

SOMOS LUZ  
WE ARE LIGHT  
NOUS SOMMES LUMIÈRE

 **airfal**  
INTERNATIONAL

CATÁLOGO / CATALOGUE

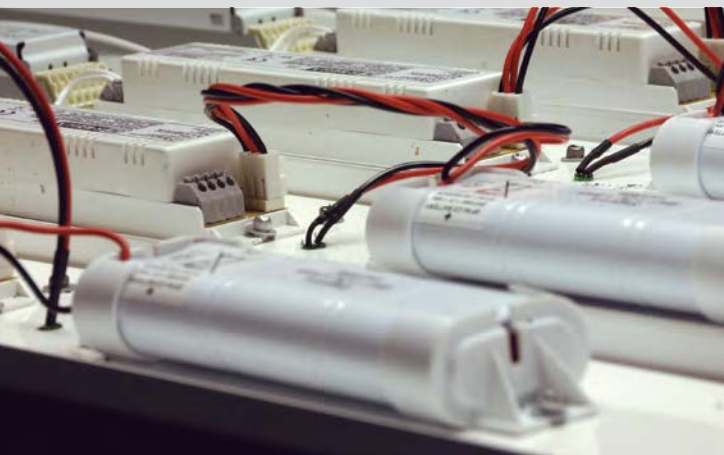
SOMOS LUZ  
WE ARE LIGHT  
NOUS SOMMES LUMIÈRE



CATÁLOGO / CATALOGUE



# AIRFAL



## HISTORIA

Airfal International nació hace más de 30 años de la mano de Fernando Ariza, que tenía alma de emprendedor y una dilatada experiencia como empresario. Hoy, en la segunda generación, la empresa que ha sabido adaptarse a las novedades tecnológicas, a la competencia nacional e International y a los cambios constantes del mercado.

## VISTAS AL FUTURO- PRODUCTO PARA CONDICIONES EXTREMAS

Si el pasado y el presente son buenos, el futuro de Airfal es ilusionante. Estamos centrados en la fabricación de iluminación ATEX, ya que somos pocos los fabricantes españoles de este tipo de luminarias. Además, nos hemos especializado en el desarrollo de iluminación para condiciones extremas, con modelos para zonas de muy altas temperaturas como hornos y campanas industriales o cámaras frigoríficas.

A día de hoy las luminarias de Airfal están presentes en casi todo el mundo, y la exportación supone más del 55% de nuestra facturación aunque esta cifra va en aumento y así se ha reflejado en los objetivos de la compañía.

## HISTORY

Airfal International was founded over 30 ago by Fernando Ariza, who had a strong entrepreneurial spirit and extensive experience as a businessman. Today, the second generation is leading a company that has been able to successfully adapt to new technology, to national and international competition and to an ever-changing market.

## LOOKING TO THE FUTURE – A PRODUCT FOR EXTREME CONDITIONS

If the past and present were bright, the future of Airfal is brighter. We are working on the manufacturing of ATEX lighting, and we are one of the few Spanish manufacturer producing this type of lighting. We have also specialised in the development of lighting for extreme conditions, including models for areas with very extreme temperatures such as industrial furnaces and hoods or cold-storage rooms.

Nowadays, Airfal lighting can be found throughout the world, and exports represent over 55% of our turnover, although this figure is on the rise and is reflected in the company's objectives.

## HISTOIRE

*Airfal International a été fondé il y a plus de 30 ans par Fernando Ariza, un entrepreneur dans l'âme possédant une vaste expérience des affaires. Actuellement dirigée par la deuxième génération, l'entreprise a su s'adapter aux nouveautés technologiques, à la concurrence nationale et internationale ainsi qu'à l'évolution constante du marché.*

## UNE VISION D'AVENIR - UN PRODUIT POUR CONDITIONS EXTRÊMES

*Si Airfal peut se targuer d'un passé et d'un présent remarquables, son avenir s'annonce encore plus prometteur. Notre activité est centrée sur la fabrication de luminaires ATEX, étant un des seuls fabricants en Espagne. Nous nous sommes également spécialisés dans la conception de luminaires pour conditions extrêmes, avec des modèles destinés à une utilisation dans des zones exposées à de très hautes ou très basses températures, comme les fours et les hottes industrielles, ou les chambres froides.*

*À l'heure actuelle, les luminaires d'Airfal sont présents pratiquement partout dans le monde et les exportations représentent plus de 55 % de notre chiffre d'affaires. Ce chiffre est d'ailleurs en augmentation et cela se reflète dans les objectifs de l'entreprise.*



## EQUIPO AIRFAL

Nuestro equipo es nuestro mayor valor. La dedicación, entrega e ilusión de toda la plantilla es clave para que el trabajo salga delante de un modo satisfactorio. La formación constante y la gran flexibilidad del equipo permiten la adaptabilidad de los productos a la demanda de nuestros clientes y nos permiten estar en aquellos proyectos más complejos.

## COMPROMISO SOCIAL, LA ESENCIA DE AIRFAL

Airfal es social desde sus inicios, con la estrecha colaboración con entidades sin ánimo de lucro que trabajan por la inserción social y laboral de personas con discapacidad intelectual. En la actualidad un total de 9 talleres ocupacionales montan las luminarias de alta rotación de Airfal y dos de ellos disponen de un taller ocupacional y un enclave laboral en las instalaciones centrales de la compañía. Airfal se vuelca en la Responsabilidad Social Corporativa e intenta impregnar todo lo que hace con esa filosofía social.

Tenemos la convicción de que estos más de 30 años son sólo los primeros capítulos de una larga historia en la que tenemos mucho que aportar y muchos hitos que alcanzar.

## THE AIRFAL TEAM

Our team is our greatest asset. The dedication, commitment and enthusiasm of our entire workforce is key in ensuring that our work progresses satisfactorily. Ongoing training and the great flexibility of our team means that our products can be adapted to meet the requirements of our clients and enable us to work on highly complex projects.

## SOCIAL RESPONSIBILITY, THE ESSENCE OF AIRFAL

Airfal has been committed to social responsibility from day one, which has included close cooperation with not-for-profit organisations that work in the field of social and labour integration for people with learning disabilities. Currently, a total of nine employment workshops assemble Airfal lights and have a high staff throughput; two of them include both an employment workshop and supported employment on site. Airfal is committed to corporate social responsibility and endeavours to apply its corporate philosophy to everything it does.

We are convinced that these first 30 years or so have been just the opening chapters of a long story in which we have a lot more to give and many more milestones to reach.

## L'ÉQUIPE AIRFAL

*Notre plus grande valeur est notre équipe. Le dévouement et l'enthousiasme de l'ensemble des employés sont essentiels pour travailler de manière satisfaisante. La formation permanente et la grande flexibilité de notre équipe nous permettent d'adapter nos produits à la demande de nos clients et de participer à des projets particulièrement complexes.*

## L'ENGAGEMENT SOCIAL, L'ESSENCE D'AIRFAL

*L'engagement social d'Airfal se traduit depuis ses débuts par une étroite collaboration avec des organismes à but non lucratif qui œuvrent pour l'insertion sociale et professionnelle des personnes souffrant d'une déficience intellectuelle. À l'heure actuelle, Airfal travaille avec 9 ateliers professionnels pour l'assemblage de ses luminaires à haute rotation, dont deux d'entre eux disposent d'un atelier professionnel et d'une enclave pour l'emploi dans ses propres installations.*

*Airfal est fortement impliquée dans la démarche de responsabilité sociale des entreprises et s'efforce d'imprégner toutes ses actions de cette philosophie.*



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 **airfal**  
INTERNATIONAL



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






















































# LUMINARIAS ESTANCAS


WATERPROOF LUMINAIRES / LUMINAIRES ÉTANCHES







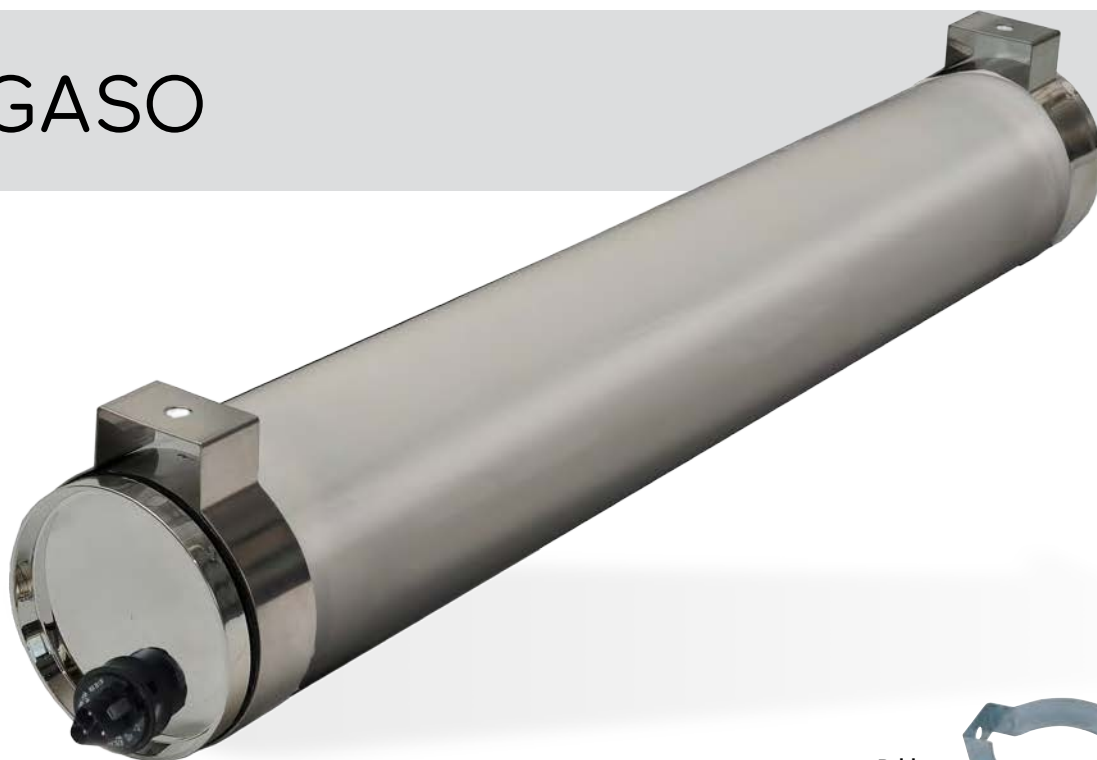
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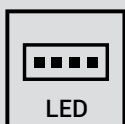


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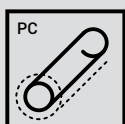
## PEGASO



Brida  
Clamp  
Collier



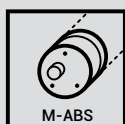
LED



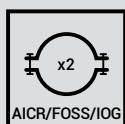
PC



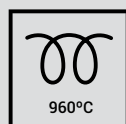
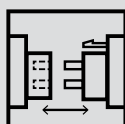
RAB/BAR/RAB



M-ABS

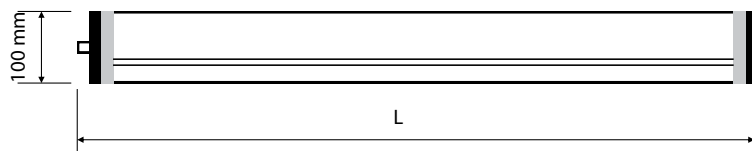
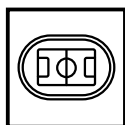


x2  
AICR/FOSS/IOG



960°C

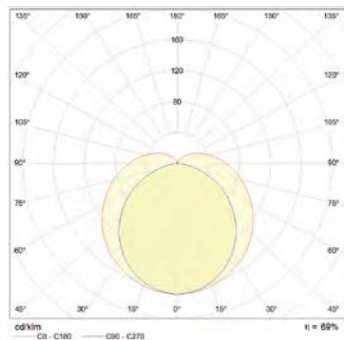
**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IK10	IP68-2	CE EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
PE113	600	13	1490	1084	3000	721	100	120	1
PE114	600	13	1550	1127	4000	721	100	120	1
PE123	600	16	2560	1862	3000	721	100	120	1
PE124	600	16	2670	1942	4000	721	100	120	1
PE213	1200	24	2980	2168	3000	1235	100	120	1
PE214	1200	24	3200	2328	4000	1235	100	120	1
PE223	1200	32	5120	3724	3000	1235	100	120	1
PE224	1200	32	5340	3884	4000	1235	100	120	1
PE313	1500	29	3720	2706	3000	1581	100	120	1
PE314	1500	29	4000	2910	4000	1581	100	120	1
PE323	1500	40	6310	4590	3000	1581	100	120	1
PE324	1500	40	6700	4874	4000	1581	100	120	1

## ACCESORIOS PEGASO / PEGASO ACCESSORIES / ACCESSOIRES PEGASO

Ref.	Q0349
Suspensión con cable de acero Steel cable suspension Suspension avec câble en acier	



LÍNEA CONTINUA  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

5 polos / 5 poles / 5 pôles

1-10  
DALI

EMERGENCY  
1h / 3h

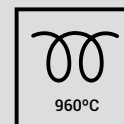
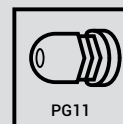
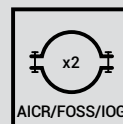
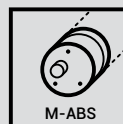
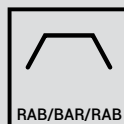
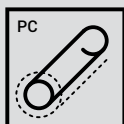
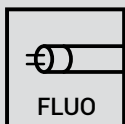


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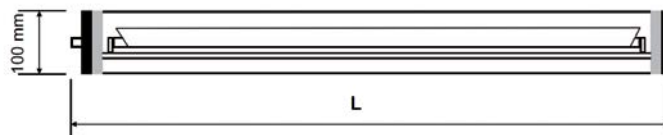
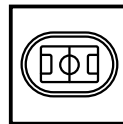
## TR1



Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IK10

IP68-2

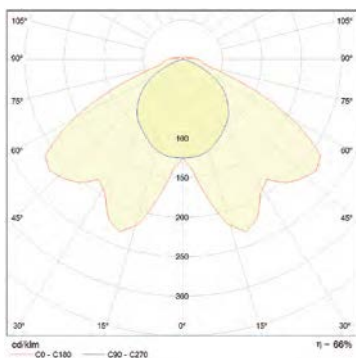
CE

EN 60598-1



**Estadio de Fútbol Nuevo San Mamés, Bilbao, España**  
 New San Mamés Football Stadium, Bilbao, Spain  
 Nouveau Stade de Football de San Mamés, Bilbao, Espagne

## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0701	14	■	675
Q0710	14	●	675
Q0702	21	■	970
Q0711	21	●	970
Q0703	28	■	1.276
Q0712	28	●	1.276
Q0704	35	■	1.578
Q0713	35	●	1.578
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0705	24	■	675
Q0714	24	●	675
Q0706	39	■	970
Q0715	39	●	970
Q0707	49	■	1.578
Q0716	49	●	1.578
Q0708	54	■	1.276
Q0717	54	●	1.276
Q0709	80	■	1.578
Q0718	80	●	1.578

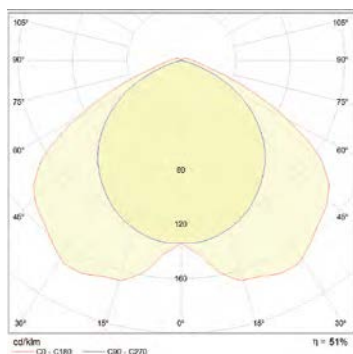
■ **Electrónica / Electronic / Électronique**

● **Regulable / Dimmable / Gradable**

# 1.2

## TR1

### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPS



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0719	14	■	675
Q0728	14	●	675
Q0720	21	■	970
Q0729	21	●	970
Q0721	28	■	1.276
Q0730	28	●	1.276
Q0722	35	■	1.578
Q0731	35	●	1.578
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0723	24	■	675
Q0732	24	●	675
Q0724	39	■	970
Q0733	39	●	970
Q0725	49	■	1.578
Q0734	49	●	1.578
Q0726	54	■	1.276
Q0735	54	●	1.276

■ **Electrónica / Electronic / Électronique**

● **Regulable / Dimmable / Gradable**

### OPCIÓN CHAPA MICROPERFORADA CUBREEQUIPOS

MICROPERFORATED BALLAST-COVERING STEEL PLATE OPTION  
OPTION GRILLE MICROPERFORÉE CACHE-APPAREILLAGE

Ref luminaria + "C". Ej.: Q0714C

Light fitting ref + "C". Ex.: Q0714C

Ref luminaire + "C". Ex.: Q0714C



Potencia Watts Puissance (W)
14-24
21-39
28-54
35-49-80

### ACCESORIOS TR1

TR1 ACCESORIES  
ACCESSOIRES TR1

Ref. Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier



### LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

5 polos / 5 poles / 5 pôles

1-10  
DALI

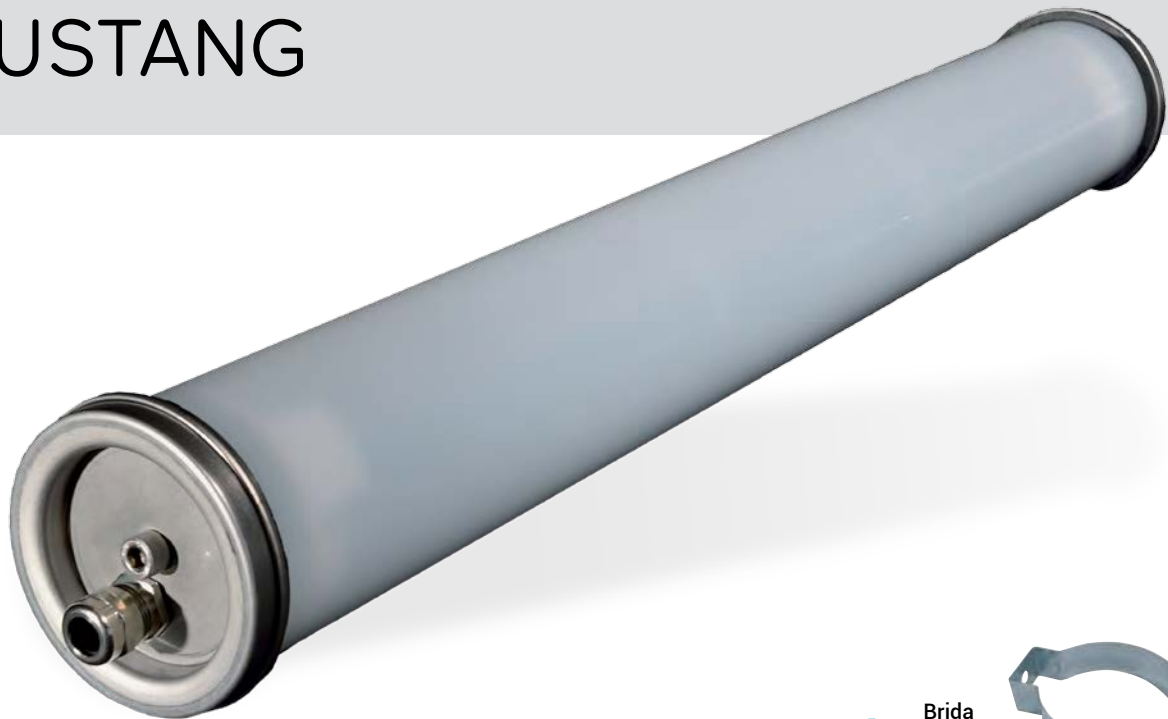
EMERGENCY  
1h / 3h





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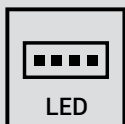
## MUSTANG



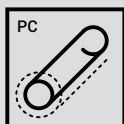
Brida  
Clamp  
Collier



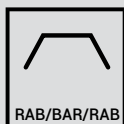
ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



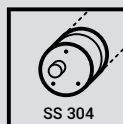
LED



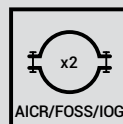
PC



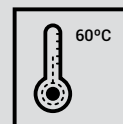
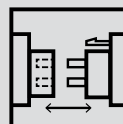
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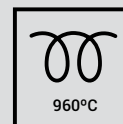
SS 304



x2  
AICR/FOSS/IOG

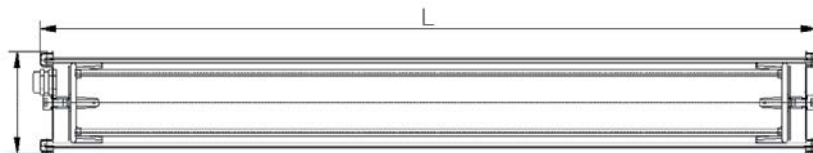
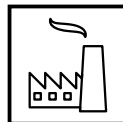
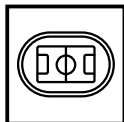


60°C



960°C


APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

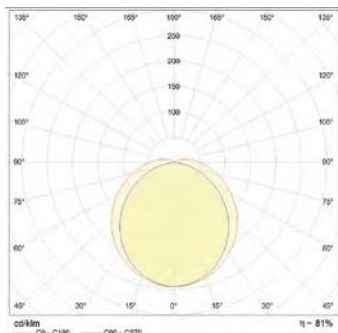








RG1	MACADAM 3/4	UGR <19	 CR>80	L70B50 > 50.000	IK10	IP69K	CE EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
MU113	600	13	1490	997	3000	763	100	120	1
MU114	600	13	1550	1037	4000	763	100	120	1
MU123	600	16	2560	1712	3000	763	100	120	1
MU124	600	16	2670	1786	4000	763	100	120	1
MU213	1200	24	2980	1993	3000	1375	100	120	1
MU214	1200	24	3200	2140	4000	1375	100	120	1
MU223	1200	32	5120	3424	3000	1375	100	120	1
MU224	1200	32	5340	3571	4000	1375	100	120	1
MU313	1500	29	3720	2488	3000	1660	100	120	1
MU314	1500	29	4000	2675	4000	1660	100	120	1
MU323	1500	40	6310	4220	3000	1660	100	120	1
MU324	1500	40	6700	4481	4000	1660	100	120	1



## ACCESORIOS / ACCESSORIES / ACCESSOIRES

Ref.				
Q0349	Q0656	Q0159	Q0153	
Suspensión con cable de acero Steel cable suspension Suspension avec câble en acier	Bridas de acero inoxidable con protección de caucho Stainless steel clamps Colliers inox antivandalisme	Bridas de acero cincado Zinc-plated steel clamps Colliers en acier galvanisé	Brida de policarbonato Polycarbonate clamp Colliers en polycarbonate	

LÍNEA CONTINUA CONTINUOUS LINE CONNECTION CÂBLAGE TRAVERSANT	3 polos / 3 poles / 3 pôles	Ref. Q0570	1-10 DALI	EMERGENCY 1h / 3h
	5 polos / 5 poles / 5 pôles	Ref. Q0571		

# 1.4

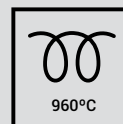
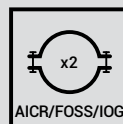
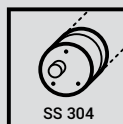
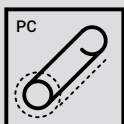
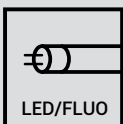
## RINOX



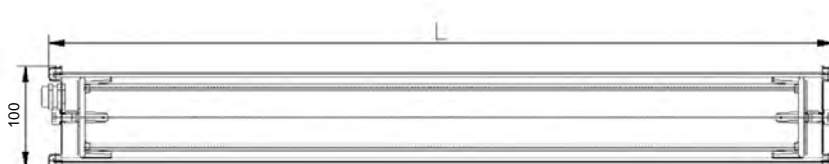
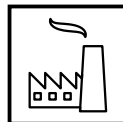
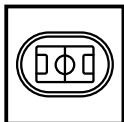
Brida  
Clamp  
Collier



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IK10

IP69K

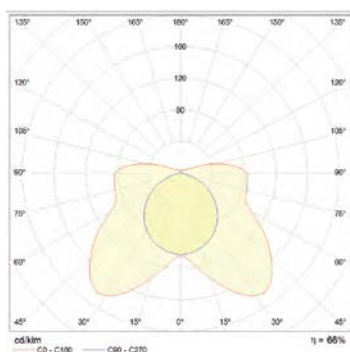
CE

EN 60598-1



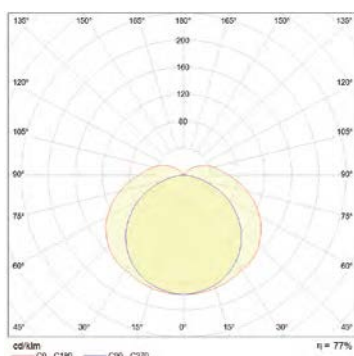
## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0511	18	■	683
Q0512	18	●	683
Q0513	36	■	1.293
Q0514	36	●	1.293
Q0515	58	■	1.593
Q0516	58	●	1.593

## 2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0517	18	■	683
Q0518	18	●	683
Q0519	36	■	1.293
Q0520	36	●	1.293
Q0521	58	■	1.593
Q0522	58	●	1.593

■ Electrónica / Electronic / Électronique

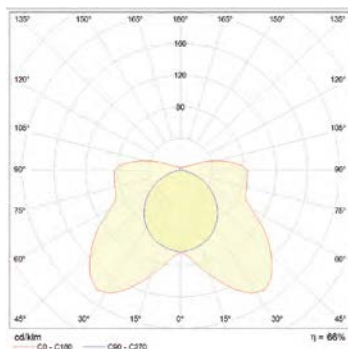
● Regulable / Dimmable / Gradable

# 1.4

## RINOX

1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	Largo Length <i>Longueur</i>
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0525	14 W	■	643
Q0526	14 W	●	643
Q0527	21 W	■	942
Q0528	21 W	●	942
Q0529	28 W	■	1.242
Q0530	28 W	●	1.242
Q0531	35 W	■	1.542
Q0532	35 W	●	1.542
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0533	24 W	■	643
Q0534	24 W	●	643
Q0535	39 W	■	942
Q0536	39 W	●	942
Q0537	49 W	■	1.542
Q0538	49 W	●	1.542
Q0539	54 W	■	1.242
Q0540	54 W	●	1.242
Q0541	80 W	■	1.542
Q0542	80 W	●	1.542

■ **Electrónica** / Electronic / *Électronique*

● **Regulable** / Dimmable / *Gradable*



IK10

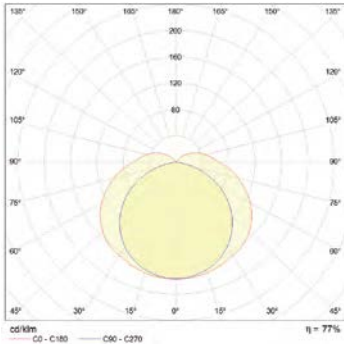
IP69K

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## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0543	14 W	■	643
Q0544	14 W	●	643
Q0545	21 W	■	942
Q0546	21 W	●	942
Q0547	28 W	■	1.242
Q0548	28 W	●	1.242
Q0549	35 W	■	1.542
Q0550	35 W	●	1.542
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0551	24 W	■	643
Q0552	24 W	●	643
Q0553	39 W	■	942
Q0554	39 W	●	942
Q0555	49 W	■	1.542
Q0556	49 W	●	1.542
Q0557	54 W	■	1.242
Q0558	54 W	●	1.242

■ **Electrónica / Electronic / Électronique**      ● **Regulable / Dimmable / Gradable**

## ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES



85°C

G13/T8

Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0559	1 x 18 W	⚠	683
Q0560	1 x 36 W	⚠	1.293
Q0561	1 x 58 W	⚠	1.593
Q0562	2 x 18 W	⚠	683
Q0563	2 x 36 W	⚠	1.293
Q0564	2 x 58 W	⚠	1.593



# 1.4

## RINOX

### RINOX LED



#### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud tubo Tube length Longueur tube	Largo Length Longueur
	(mm)	(mm)
Q0511L	600	683
Q0513L	1.200	1.293
Q0515L	1.500	1.593

#### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

Ref.	Longitud tubo Tube length Longueur tube	Largo Length Longueur
	(mm)	(mm)
Q0517L	600	683
Q0519L	1.200	1.293
Q0521L	1.500	1.593

IK10

IP69K

CE

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## ACCESORIOS RINOX/ RINOX ACCESORIES / ACCESSOIRES RINOX

### RINOX OPAL



Ref.

Potencia  
Watts  
Puissance

(W)

18

36

58

14-24

21-39

28-54

35-49-80

**Ref luminaria + "O". Ej.: Q05110**  
 Light fitting ref + "O". Ex.: Q05110  
 Ref luminaire + "O". Ex.: Q05110



Ref.

Q0349

**Suspensión con cable de acero**  
 Steel cable suspension  
 Suspension avec câble en acier



Q0656

**Bridas de acero inoxidable con protección de caucho**  
 Stainless steel clamps  
 Colliers inox antivandalisme



Q0159

**Bridas de acero cincado**  
 Zinc-plated steel clamps  
 Colliers en acier galvanisé



Q0153

**Brida de policarbonato**  
 Polycarbonate clamp  
 Colliers en polycarbonate

### LÍNEA CONTINUA

CONTINUOUS LINE CONNECTION  
 CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref Q0565

5 polos / 5 poles / 5 pôles

Ref. Q0566

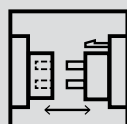
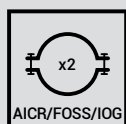
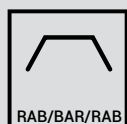
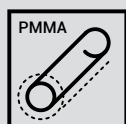
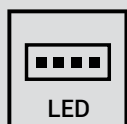
1-10  
DALIEMERGENCY  
1h / 3h

# 1.5

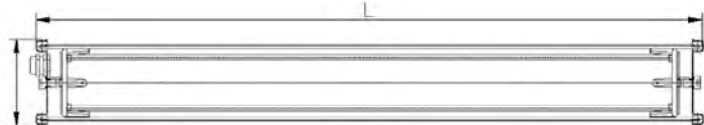
## FARM LED



Brida  
Clamp  
Collier




**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES

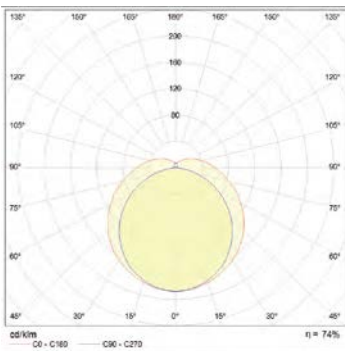


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<b>RG1</b>	MACADAM <b>3/4</b>	<b>UGR</b> <19	 <b>CR&gt;80</b>	<b>L70B50</b> > <b>50.000</b>	<b>IK10</b>	<b>IP69K</b>	<b>CE</b>  EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
			(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
<b>Q0795</b>	600	13	1490	1155	3000	763	100	120	1
<b>Q0899</b>	600	13	1550	1201	4000	763	100	120	1
<b>Q0900</b>	600	16	2560	1984	3000	763	100	120	1
<b>Q0955</b>	600	16	2670	2070	4000	763	100	120	1
<b>Q0796</b>	1200	24	2980	2310	3000	1375	100	120	1
<b>Q0957</b>	1200	24	3200	2480	4000	1375	100	120	1
<b>Q0958</b>	1200	32	5120	3969	3000	1375	100	120	1
<b>Q0959</b>	1200	32	5340	4139	4000	1375	100	120	1
<b>Q0797</b>	1500	29	3720	2883	3000	1660	100	120	1
<b>Q0961</b>	1500	29	4000	3100	4000	1660	100	120	1
<b>Q0962</b>	1500	40	6310	4891	3000	1660	100	120	1
<b>Q0963</b>	1500	40	6700	5193	4000	1660	100	120	1

## ACCESORIOS FARM / FARM ACCESSORIES / ACCESSOIRES FARM /



Ref.

**Q0349**

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier



**Q0401**

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme



**Q0159**

**Bridas de acero cincado**  
Zinc-plated steel clamps  
Colliers en acier galvanisé



**Q0158**

**Brida de metacrilato**  
Antivandalic acrylic  
Colliers en méthacrylate

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

**3 polos / 3 poles / 3 pôles**

**Ref. Q0570**

**5 polos / 5 poles / 5 pôles**

**Ref. Q0571**

**1-10**  
**DALI**

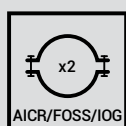
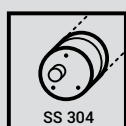
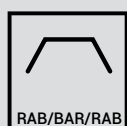
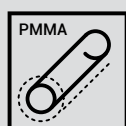
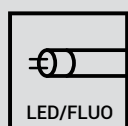
**EMERGENCY**  
1h / 3h

# 1.6

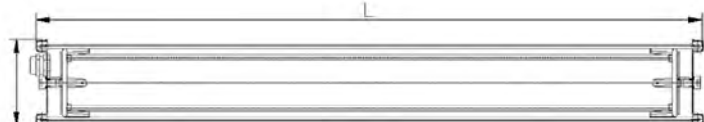
## FARM



Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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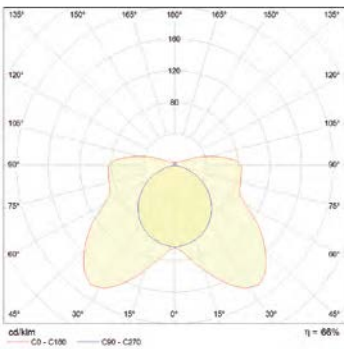


IK10

IP69K

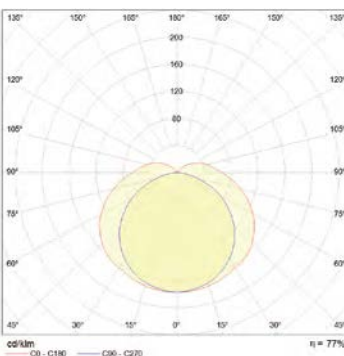
CE

EN 60598-1



T8 1 TUBO

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Carton
	(W)		(mm)	(mm)	
Q0741	18	■	683	100	1
Q0742	18	●	683	100	1
Q0743	36	■	1293	100	1
Q0744	36	●	1293	100	1
Q0745	58	■	1593	100	1
Q0746	58	●	1593	100	1



T8 2 TUBOS

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	L	D	Embalaje Packaging Carton
	(W)		(mm)	(mm)	
Q0747	18	■	683	100	1
Q0748	18	●	683	100	1
Q0749	36	■	1293	100	1
Q0750	36	●	1293	100	1
Q0751	58	■	1593	100	1
Q0752	58	●	1593	100	1



# 1.6

## FARM

### T5 1 TUBO

Ref.	Potencia	Equipo	L	D	Embalaje
	Watts Puissance	Equipment Ballast			
	(W)		(mm)	(mm)	
Q0755	14	■	643	100	1
Q0756	14	●	643	100	1
Q0757	21	■	942	100	1
Q0758	21	●	942	100	1
Q0759	28	■	1242	100	1
Q0760	28	●	1242	100	1
Q0761	35	■	1542	100	1
Q0762	35	●	1542	100	1
Q0763	24	■	643	100	1
Q0764	24	●	643	100	1
Q0765	39	■	942	100	1
Q0766	39	●	942	100	1
Q0767	49	■	1542	100	1
Q0768	49	●	1542	100	1
Q0769	54	■	1242	100	1
Q0770	54	●	1242	100	1
Q0771	80	■	1242	100	1
Q0772	80	●	1242	100	1

### T5 2 TUBOS

Ref.	Potencia	Equipo	L	D	Embalaje
	Watts Puissance	Equipment Ballast			
	(W)		(mm)	(mm)	
Q0773	14	■	643	100	1
Q0774	14	●	643	100	1
Q0775	21	■	942	100	1
Q0776	21	●	942	100	1
Q0777	28	■	1242	100	1
Q0778	28	●	1242	100	1
Q0779	35	■	1542	100	1
Q0780	35	●	1542	100	1
Q0781	24	■	643	100	1
Q0782	24	●	643	100	1
Q0783	39	■	942	100	1
Q0784	39	●	942	100	1
Q0785	49	■	1542	100	1
Q0786	49	●	1542	100	1
Q0787	54	■	1242	100	1
Q0788	54	●	1242	100	1



IK10

IP69K

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**T8 1 TUBO LED**

Ref.	Longitud tubo Tube length Longueur tube	L	D	Embalaje Packaging Carton
	(mm)	(mm)	(mm)	
Q0741L	600	683	100	1
Q0743L	1200	683	100	1
Q0745L	1500	1293	100	1

**T8 2 TUBO LED**

Q0747L	600	683	100	1
Q0749L	1200	683	100	1
Q0751L	1500	1293	100	1

**ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES**



G13/T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0789	1 x 18 W		709
Q0790	1 x 36 W		1.319
Q0791	1 x 58 W		1.624
Q0791	2 x 18 W		709

**Alto factor** / High factor / Compensé

# 1.6

## FARM

### ACCESORIOS FARM / FARM ACCESSORIES / ACCESSOIRES FARM /



Ref.	Q0349	Q0401	Q0159	Q0158
	<b>Suspensión con cable de acero</b> Steel cable suspension <i>Suspension avec câble en acier</i>	<b>Bridas de acero inoxidable</b> Stainless steel clamps <i>Colliers inox antivandalisme</i>	<b>Bridas de acero cincado</b> Zinc-plated steel clamps <i>Colliers en acier galvanisé</i>	<b>Brida de metacrilato</b> Antivandalic acrylic <i>Colliers en méthacrylate</i>
<b>LÍNEA CONTINUA</b> CONTINUOUS LINE CONNECTION CÂBLAGE TRAVERSANT		<b>3 polos / 3 poles / 3 pôles</b> Ref. Q0793		<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     1-10                      DALI                 </div> <b>EMERGENCY</b> 1h / 3h
		<b>5 polos / 5 poles / 5 pôles</b> Ref. Q0794		







# 1.7

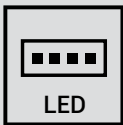
## RANGE



Brida  
Clamp  
Collier



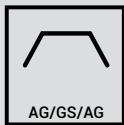
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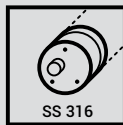
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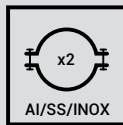
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AG/GS/AG

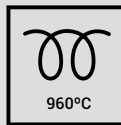


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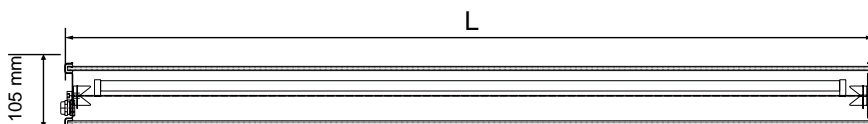
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AI/SS/INOX



960°C

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR  
<19

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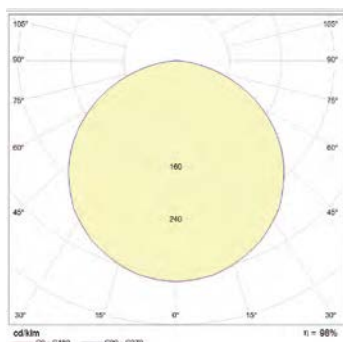
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IK07

IP69K

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
RA113	600	13	1490	1480	3000	740	105	133	1
RA114	600	13	1550	1540	4000	740	105	133	1
RA123	600	16	2560	2544	3000	740	105	133	1
RA124	600	16	2670	2653	4000	740	105	133	1
RA213	1200	24	2980	2961	3000	1340	105	133	1
RA214	1200	24	3200	3180	4000	1340	105	133	1
RA223	1200	32	5120	5087	3000	1340	105	133	1
RA224	1200	32	5340	5306	4000	1340	105	133	1
RA313	1500	29	3720	3696	3000	1640	105	133	1
RA314	1500	29	4000	3974	4000	1640	105	133	1
RA323	1500	40	6310	6270	3000	1640	105	133	1
RA324	1500	40	6700	6657	4000	1640	105	133	1

## ACCESORIOS / ACCESSORIES / ACCESSOIRES



Ref.

Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier



Q0656

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0572

5 polos / 5 poles / 5 pôles

Ref. Q0573

1-10  
DALI

EMERGENCY  
1h / 3h



# 1.8

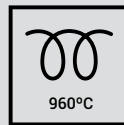
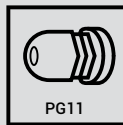
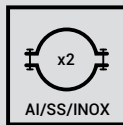
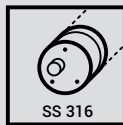
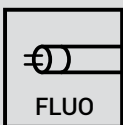
## CHEMICAL



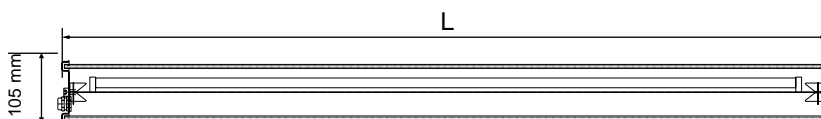
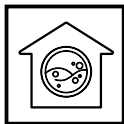
Brida  
Clamp  
Collier



ANTIVANDÁLICA / ANTIVANDALISM / ANTIVANDALISME



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IK07

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## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur	Ancho Wide Large
	(W)		(mm)	(mm)
Q0937	1x18	■	714	105
Q0938	1x36	■	1324	105
Q0942	1x58	■	1934	105

## ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur	Ancho Wide Large
	(W)		(mm)	(mm)
Q0939	1 x 18	⚠	720	105
Q0940	1 x 36	⚠	1.328	105
Q0941	1 x 58	⚠	1.934	105

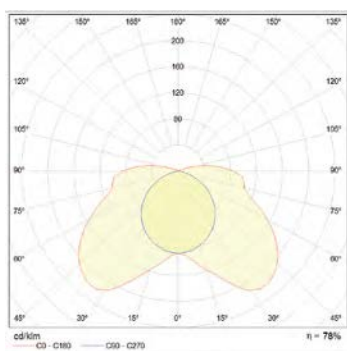
■ Electrónica / Electronic / Électronique

# 1.8

## CHEMICAL

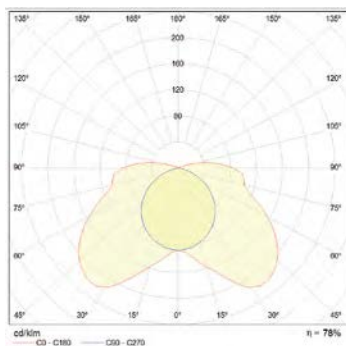
### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur	Ancho Wide Large
	(W)		(mm)	(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>				
Q0901	14	■	674	105
Q0902	21	■	974	105
Q0903	28	■	1.274	105
Q0904	35	■	1.574	105
<b>Alto Rendimiento / High Output / Flux Élevé</b>				
Q0905	24	■	674	105
Q0906	39	■	974	105
Q0907	49	■	1.574	105
Q0908	54	■	1.274	105
Q0909	80	■	1.574	105

### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur	Ancho Wide Large
	(W)		(mm)	(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>				
Q0919	14	■	674	105
Q0920	21	■	974	105
Q0921	28	■	1.274	105
Q0922	35	■	1.574	105
<b>Alto Rendimiento / High Output / Flux Élevé</b>				
Q0923	24	■	674	105
Q0924	39	■	974	105
Q0925	49	■	1.574	105
Q0926	54	■	1.274	105

### ACCESORIOS / ACCESORIES / ACCESSOIRES



Ref. Q0349

Suspensión con cable de acero  
Steel cable suspension  
Suspension avec câble en acier

LÍNEA CONTINUA  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

5 polos / 5 poles / 5 pôles

1-10  
DALI

EMERGENCY  
1h / 3h



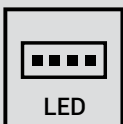


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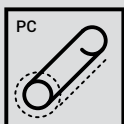
## THUNDER



Brida  
Clamp  
Collier



LED



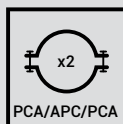
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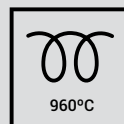
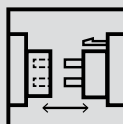
RAB/BAR/RAB



ZAMAK-Ni

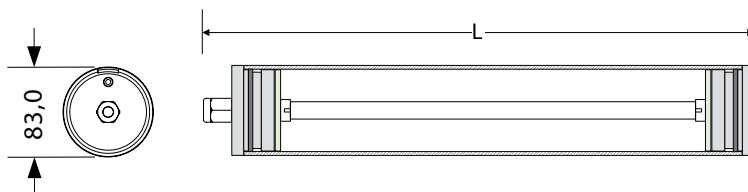
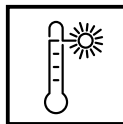
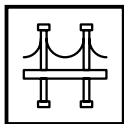
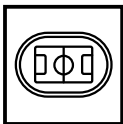


x2  
PCA/APC/PCA



960°C

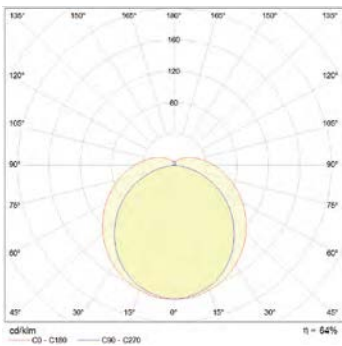
**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IK10	IP68-2	CE EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
TH113	600	13	1490	997	3000	709	83	113	1
TH114	600	13	1550	1037	4000	709	83	113	1
TH123	600	16	2560	1712	3000	709	83	113	1
TH124	600	16	2670	1786	4000	709	83	113	1
TH213	1200	24	2980	1993	3000	1319	83	113	1
TH214	1200	24	3200	2140	4000	1319	83	113	1
TH223	1200	32	5120	3424	3000	1319	83	113	1
TH224	1200	32	5340	3571	4000	1319	83	113	1
TH313	1500	29	3720	2488	3000	1574	83	113	1
TH314	1500	29	4000	2675	4000	1574	83	113	1
TH323	1500	40	6310	4220	3000	1574	83	113	1
TH324	1500	40	6700	4481	4000	1574	83	113	1

### ACCESORIOS THUNDER / THUNDER ACCESORIES / ACCESSOIRES THUNDER

Ref. Q0349		Ref. Q0655		Ref. Q0156		Ref. Q0159	
<b>Suspensión con cable de acero</b> Steel cable suspension <i>Suspension avec câble en acier</i>		<b>Bridas de acero inoxidable</b> Stainless steel clamps <i>Colliers inox antivandalisme</i>		<b>Bridas de acero inoxidable de apertura rápida</b> Quick opening stainless steel clamps <i>Colliers inox de ouverture rapide à grenouillère</i>		<b>Bridas de acero cincado</b> Zinc-plated steel clamps <i>Colliers en acier galvanisé</i>	

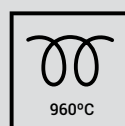
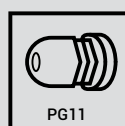
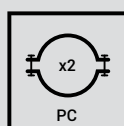
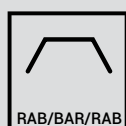
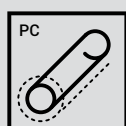
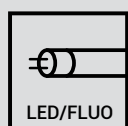
<b>LÍNEA CONTINUA</b> CONTINUOUS LINE CONNECTION CÂBLAGE TRAVERSANT	3 polos / 3 poles / 3 pôles	Ref. Q0574	<div style="border: 1px solid black; padding: 2px; display: inline-block;">1-10 DALI</div>	<b>EMERGENCY</b> 1h / 3h
	5 polos / 5 poles / 5 pôles	Ref. Q0575		

# 1.10

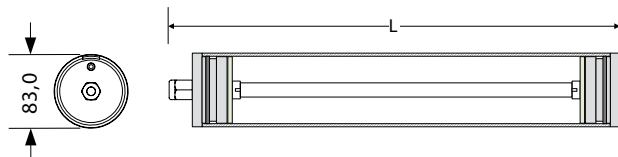
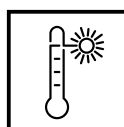
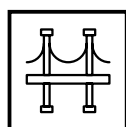
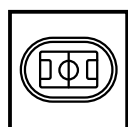
## RESIST



Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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IK10

IP68-2

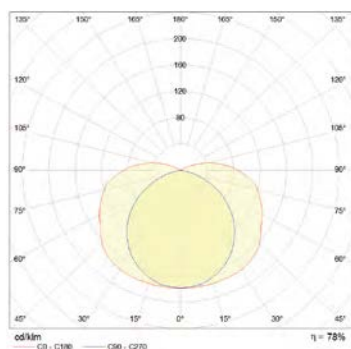
CE

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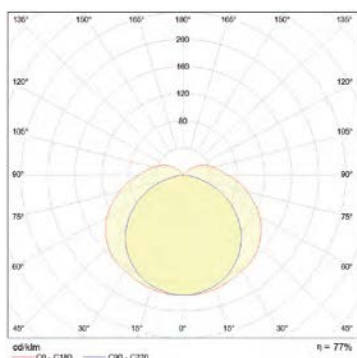
**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE**

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0601	18	■	709
Q0607	18	●	709
Q0602	36	■	1.319
Q0608	36	●	1.319
Q0603	58	■	1.624
Q0609	58	●	1.624

**2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES**



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0604	18	■	709
Q0610	18	●	709
Q0605	36	■	1.319
Q0611	36	●	1.319
Q0606	58	■	1.624
Q0612	58	●	1.624

■ Electrónica / Electronic / Électronique

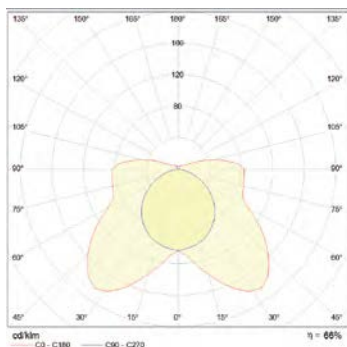
● Regulable / Dimmable / Gradable



# 1.10

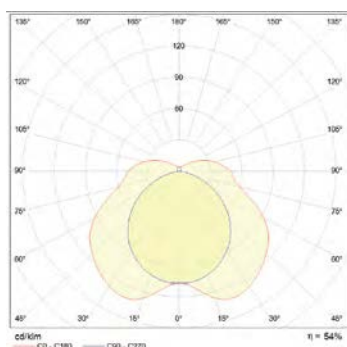
## RESIST

### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0613	14 W	■	671
Q0622	14 W	●	671
Q0614	21 W	■	966
Q0623	21 W	●	966
Q0615	28 W	■	1.272
Q0624	28 W	●	1.272
Q0616	35 W	■	1.574
Q0625	35 W	●	1.574
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0617	24 W	■	671
Q0626	24 W	●	671
Q0618	39 W	■	966
Q0627	39 W	●	966
Q0619	49 W	■	1.574
Q0628	49 W	●	1.574
Q0620	54 W	■	1.272
Q0629	54 W	●	1.272
Q0621	80 W	■	1.574
Q0630	80 W	●	1.574

### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0631	14 W	■	671
Q0646	14 W	●	671
Q0632	21 W	■	966
Q0647	21 W	●	966
Q0633	28 W	■	1.272
Q0648	28 W	●	1.272
Q0634	35 W	■	1.574
Q0649	35 W	●	1.574
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0635	24 W	■	671
Q0650	24 W	●	671
Q0636	39 W	■	966
Q0651	39 W	●	966
Q0637	49 W	■	1.574
Q0652	49 W	●	1.574
Q0638	54 W	■	1.272
Q0653	54 W	●	1.272

IK10

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**ALTAS TEMPERATURAS / HIGH TEMPERATURES / HAUTES TEMPÉRATURES**


G13/T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	Ancho Wide <i>Large</i>
	(W)		(mm)
Q0640	1 x 18 W		709
Q0641	1 x 36 W		1.319
Q0642	1 x 58 W		1.624
Q0643	2 x 18 W		709
Q0644	2 x 36 W		1.319
Q0645	2 x 58 W		1.624

■ **Electrónica** / Electronic / *Électronique*

● **Regulable** / Dimmable / *Gradable*

# 1.10

## RESIST

### RESIST LED



**Brida**  
Clamp  
Collier



#### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud tubo Tube lenght Longueur tube (mm)	Largo Length Longueur (mm)
Q0601L	600	709
Q0602L	1.200	1.319
Q0603L	1.500	1.624

#### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

G13/T8

Ref.	Longitud tubo Tube lenght Longueur tube (mm)	Largo Length Longueur (mm)
Q0604L	600	709
Q0605L	1.200	1.319
Q0606L	1.500	1.624



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**RESIST OPAL**

Ref.	Potencia Watts Puissance (W)
	18 W
<b>Ref luminaria + "O".</b>	36 W
<b>Ej.: Q06010</b>	58 W
Light fitting ref + "O".	14-24 W
Ex.: Q06010	21-39 W
Ref luminaire + "O".	28-54 W
Ex.: Q06010	35-49-80 W

**ACCESORIOS RESIST / RESIST ACCESSORIES / ACCESSOIRES RESIST**Ref. **Q0156**

**Bridas de acero inoxidable de apertura rápida**  
Quick opening stainless steel clamps  
Colliers inox de ouverture rapide à grenouillère

Ref. **Q0655**

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme

Ref. **Q0159**

**Bridas de acero cincado**  
Zinc-plated steel clamps  
Colliers en acier galvanisé

Ref. **Q0160**

**Válvula anticondensación y de equilibrado de presión**  
Anticondensation valve and pressure balancing  
Valve anti-condensation et équilibrage de pression

Ref. **Q0349**

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. **Q0404**

5 polos / 5 poles / 5 pôles

Ref. **Q0406**

1-10
DALI

**EMERGENCY**  
1h / 3h





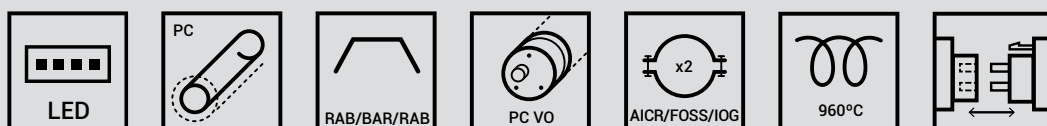
**RESIST**

Túnel peatonal, Zaragoza, España  
Pedestrian tunnel, Zaragoza, Spain  
*Tunnel pour piétonnier, Saragosse, Espagne*

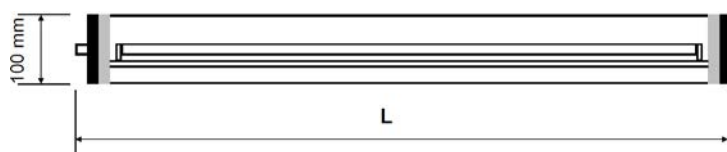
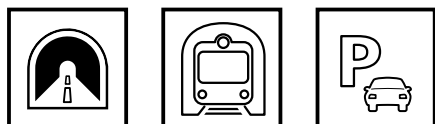


# 1.11

## TUNNEL LED



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR  
<19

CR>80

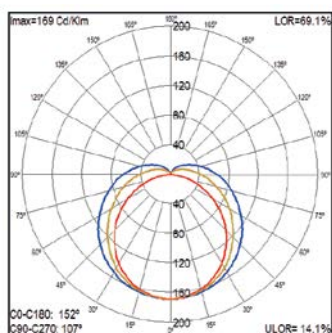
L70B50  
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IP68-2

IK10

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
TU113	600	13	1490	1084	3000	788	100	133	1
TU114	600	13	1550	1127	4000	788	100	133	1
TU123	600	16	2560	1862	3000	788	100	133	1
TU124	600	16	2670	1942	4000	788	100	133	1
TU213	1200	24	2980	2168	3000	1302	100	133	1
TU214	1200	24	3200	2328	4000	1302	100	133	1
TU223	1200	32	5120	3724	3000	1302	100	133	1
TU224	1200	32	5340	3884	4000	1302	100	133	1
TU313	1500	29	3720	2706	3000	1648	100	133	1
TU314	1500	29	4000	2910	4000	1648	100	133	1
TU323	1500	40	6310	4590	3000	1648	100	133	1

## ACCESORIOS ACCESSORIES ACCESSOIRES



Ref.

Q0349

Suspensión con cable de acero  
Steel cable suspension  
Suspension avec câble en acier



Q0156

Bridas de acero inoxidable de apertura rápida  
Quick opening stainless steel clamps  
Colliers inox de ouverture rapide à grenouillère

LÍNEA CONTINUA  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0970

5 polos / 5 poles / 5 pôles

Ref. Q0971

1-10  
DALI

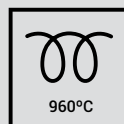
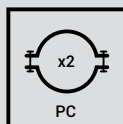
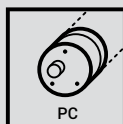
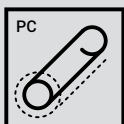
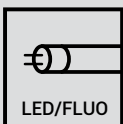
EMERGENCY  
1h / 3h

# 1.12

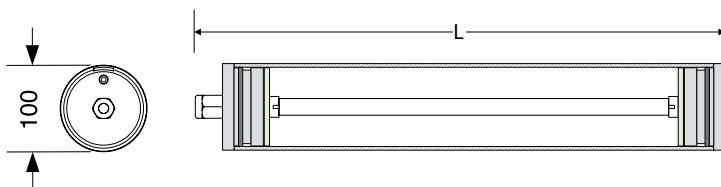
## TUNNEL



+ **Brida**  
Clamp  
Collier



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





IK10

IP68-2

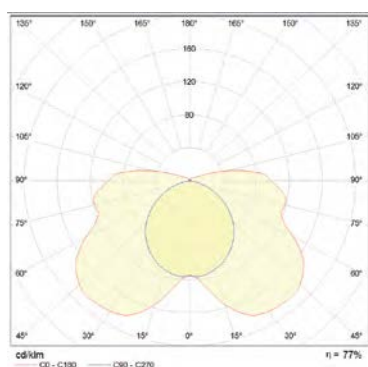
CE

EN 60598-1



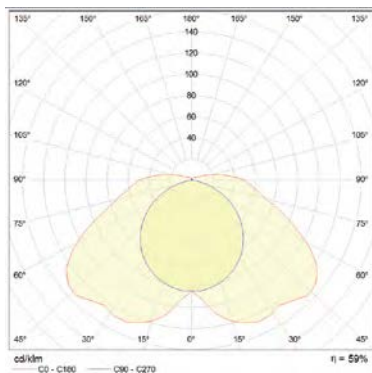
**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP**

G5/T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur	Ancho Wide Large
	(W)		(mm)	(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>				
Q0801	14 W	■	675	105
Q0802	21 W	■	970	105
Q0803	28 W	■	1276	105
Q0804	35 W	■	1.578	105
<b>Alto Rendimiento / High Output / Flux Élevé</b>				
Q0805	24 W	■	675	105
Q0806	39W	■	970	105
Q0807	49 W	■	1.578	105
Q0808	54W	■	1276	105
Q0809	80W	■	1.578	105

**2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES**



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur	Ancho Wide Large
	(W)		(mm)	(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>				
Q0819	14 W	■	675	105
Q0820	21 W	■	970	105
Q0821	28 W	■	1276	105
Q0822	35 W	■	1.578	105
<b>Alto Rendimiento / High Output / Flux Élevé</b>				
Q0823	24 W	■	675	105
Q0824	39 W	■	970	105
Q0825	49 W	■	1.578	105
Q0826	54 W	■	1.276	105

■ **Electrónica / Electronic / Électronique**

# 1.12

## TUNNEL

### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud tubo Tube length Longueur tube	Largo Length Longueur
	(mm)	(mm)
Q0801L	600	721
Q0802L	900	1.055
Q0803L	1.200	1.321
Q0804L	1.500	1.581

### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

Ref.	Longitud tubo Tube length Longueur tube	Largo Length Longueur
	(mm)	(mm)
Q0805L	600	721
Q0806L	900	1.055
Q0807L	1.200	1.321
Q0808L	1.500	1.581

### ACCESORIOS ACCESSORIES ACCESSOIRES



Ref.

Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier



Ref.

Q0156

**Bridas de acero inoxidable de apertura rápida**  
Quick opening stainless steel clamps  
Colliers inox de ouverture rapide à grenouillère

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0576

5 polos / 5 poles / 5 pôles

Ref. Q0577

1-10  
DALI

EMERGENCY  
1h / 3h





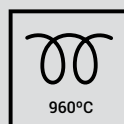
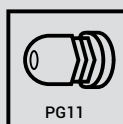
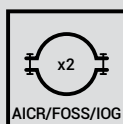
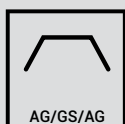
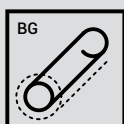
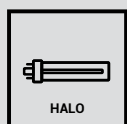


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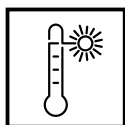
## OVEN



**Brida**  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

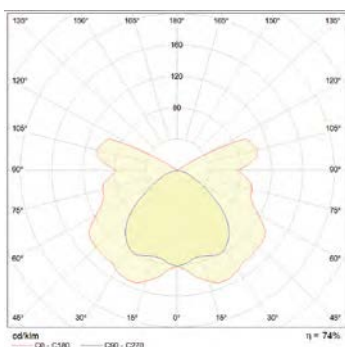
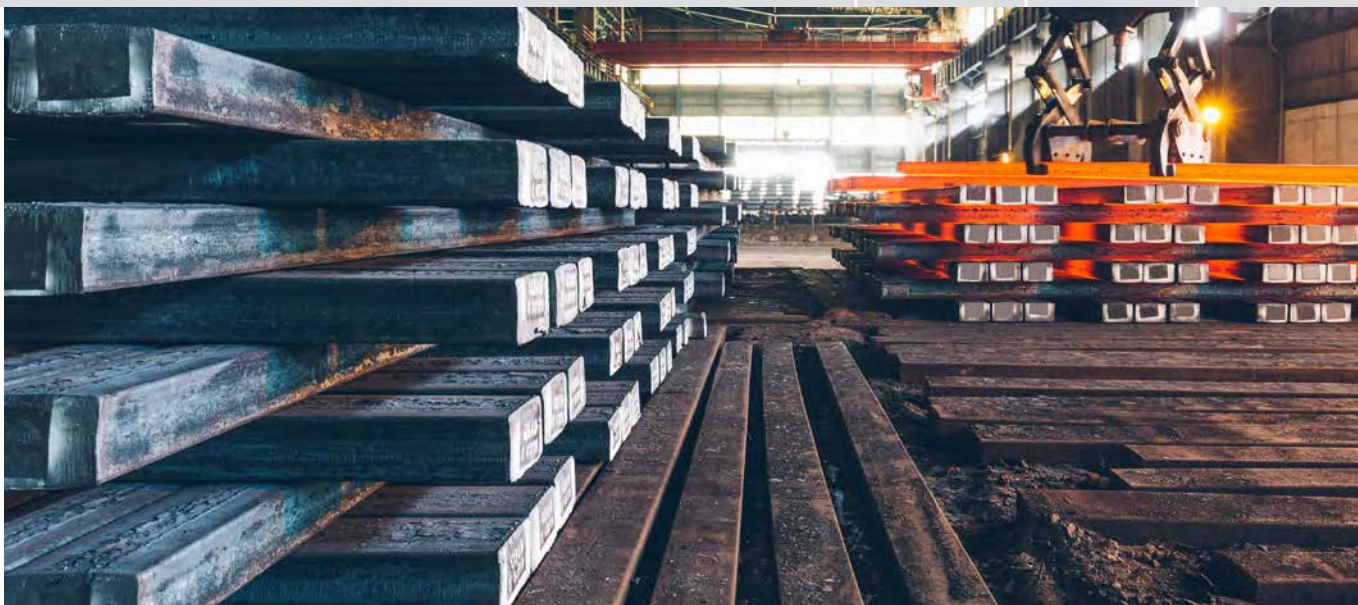


IP68-2

IK07

CE

EN 60598-1



Ref.	Potencia Watts Puissance	L	D
	(W)	(mm)	(mm)
Q0949	1x40	275	105
Q0950	2x40	275	105

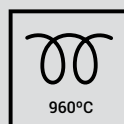
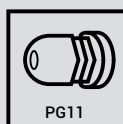
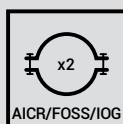
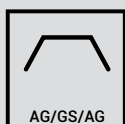
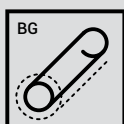
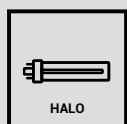


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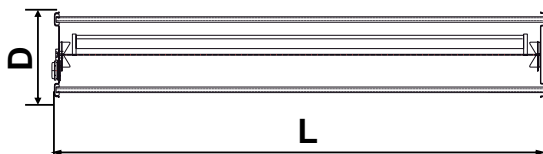
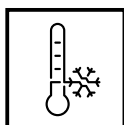
## FROZEN



Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



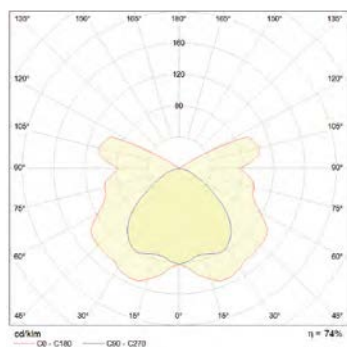


IP68-2

IK07

CE

EN 60598-1



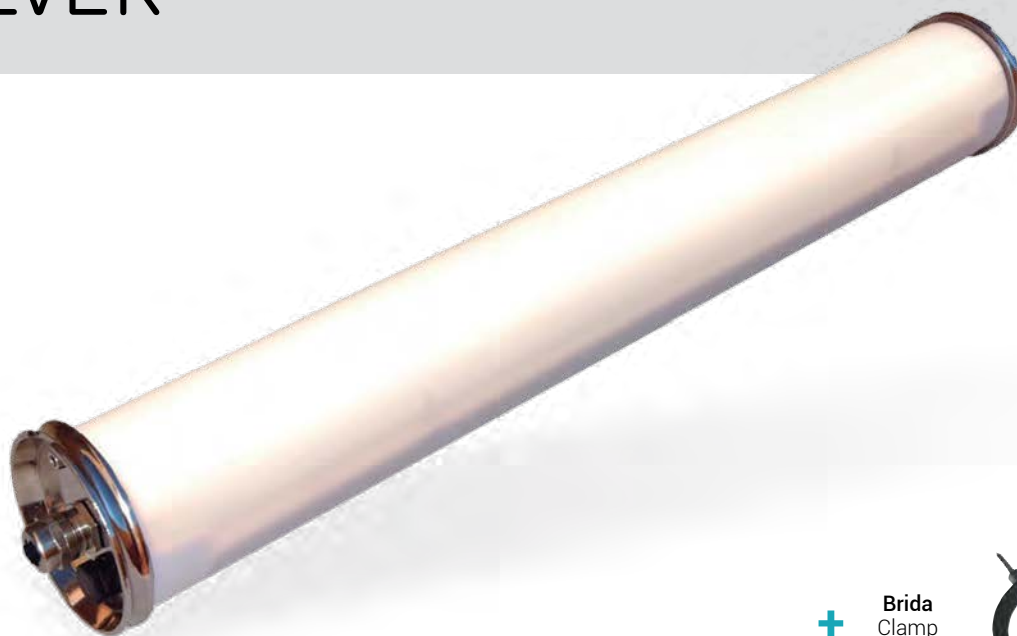
Ref.	Potencia Watts <i>Puissance</i>	L	D
	(W)	(mm)	(mm)
Q0953	1x40 W	275	105
Q0954	2x40 W	275	105



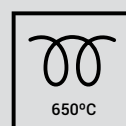
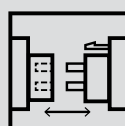
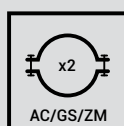
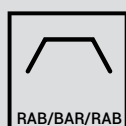
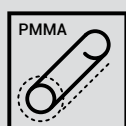
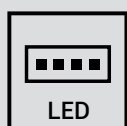
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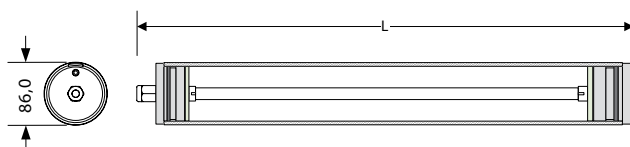
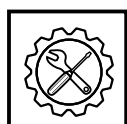
## SILVER



Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG1

MACADAM

3/4

UGR  
<19

CR>80

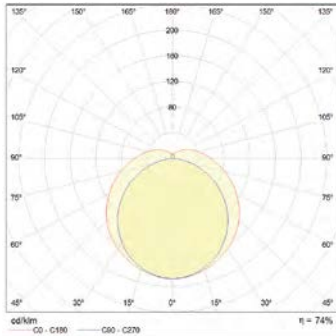
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IK10

IP68-2

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
SI113	600	13	1490	1155	3000	763	100	133	1
SI114	600	13	1550	1201	4000	763	100	133	1
SI123	600	16	2560	1984	3000	763	100	133	1
SI124	600	16	2670	2070	4000	763	100	133	1
SI213	1200	24	2980	2310	3000	1375	100	133	1
SI214	1200	24	3200	2480	4000	1375	100	133	1
SI223	1200	32	5120	3969	3000	1375	100	133	1
SI224	1200	32	5340	4139	4000	1375	100	133	1
SI313	1500	29	3720	2883	3000	1660	100	133	1
SI314	1500	29	4000	3100	4000	1660	100	133	1
SI323	1500	40	6310	4891	3000	1660	100	133	1
SI324	1500	40	6700	5193	4000	1660	100	133	1

## ACCESORIOS SILVER / SILVER ACCESSORIES / ACCESSOIRES SILVER



Ref. Q0401

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme



Q0402

**Bridas de acero inoxidable de  
apertura rápida**  
Quick opening stainless steel clamps  
Colliers inox de ouverture rapide  
à grenouillère



Q0158

**Brida de metacrilato (1 unidad)**  
Antivandalic acrylic (1 unit)  
Colliers en méthacrylate (1 unité)



Ref. Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0574

5 polos / 5 poles / 5 pôles

Ref. Q0575

1-10  
DALI

EMERGENCY  
1h / 3h

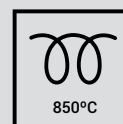
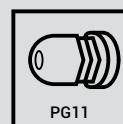
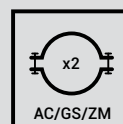
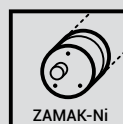
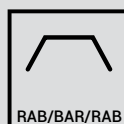
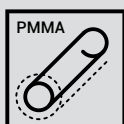
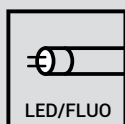


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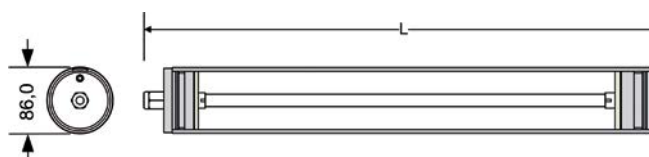
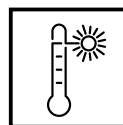
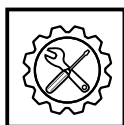
## TR2



**Brida**  
Clamp  
Collier



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IK10

IP68-2

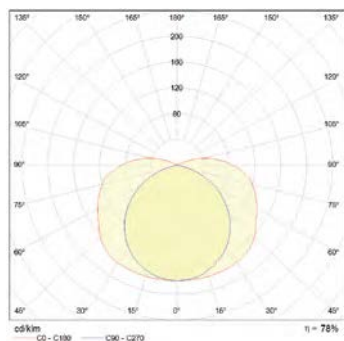
CE

EN 60598-1



**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE**

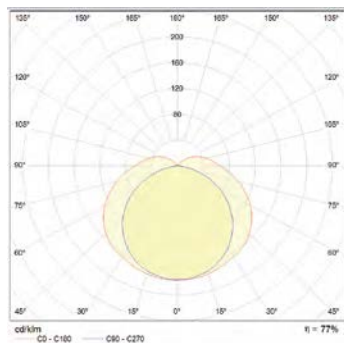
G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0435	18 W	■	709
Q0463	18 W	●	709
Q0436	36 W	■	1.319
Q0464	36 W	●	1.319
Q0437	58 W	■	1.624
Q0465	58 W	●	1.624

**2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES**

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0438	18 W	■	709
Q0466	18 W	●	709
Q0439	36 W	■	1.319
Q0467	36 W	●	1.319
Q0440	58 W	■	1.624
Q0468	58 W	●	1.624

■ Electrónica / Electronic / Électronique

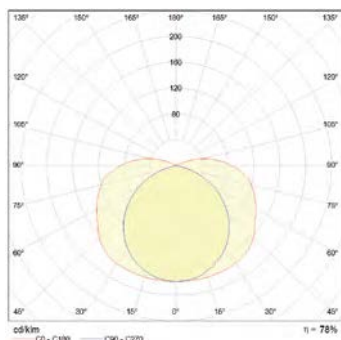
● Regulable / Dimmable / Gradable

# 1.16

## TR2

### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

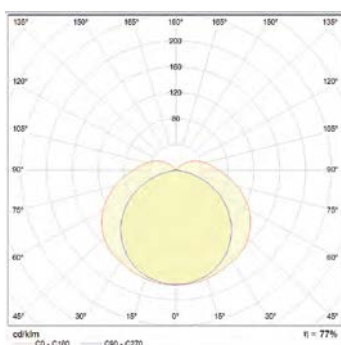
G13/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0451	14 W	■	671
Q0469	14 W	●	671
Q0452	21 W	■	966
Q0470	21 W	●	966
Q0453	28 W	■	1.272
Q0477	28 W	●	1.272
Q0454	35 W	■	1.574
Q0478	35 W	●	1.574
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0487	24 W	■	671
Q0493	24 W	●	671
Q0455	39 W	■	966
Q0479	39 W	●	966
Q0488	49 W	■	1.574
Q0494	49 W	●	1.574
Q0456	54 W	■	1.272
Q0480	54 W	●	1.272
Q0489	80 W	■	1.574
Q0495	80 W	●	1.574

### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0457	14 W	■	671
Q0481	14 W	●	671
Q0458	21 W	■	966
Q0482	21 W	●	966
Q0459	28 W	■	1.272
Q0483	28 W	●	1.272
Q0460	35 W	■	1.574
Q0484	35 W	●	1.574
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0490	24 W	■	671
Q0496	24 W	●	671
Q0461	39 W	■	966
Q0485	39 W	●	966
Q0491	49 W	■	1.574
Q0497	49 W	●	1.574
Q0462	54 W	■	1.272
Q0486	54 W	●	1.272

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable



IK10

IP68-2

CE

EN 60598-1

## TR2 LED



### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
Q0435L	600	675
Q0436L	1.200	1.285
Q0437L	1.500	1.589

### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
Q0438L	600	675
Q0439L	1.200	1.285
Q0440L	1.500	1.589

# 1.16

## TR2



**ALTAS TEMPERATURAS**  
HIGH TEMPERATURES  
HAUTES TEMPÉRATURES



G13/T8

Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
Q0471	1 x 18 W		709
Q0472	1 x 36 W		1.319
Q0473	1 x 58 W		1.624
Q0474	2 x 18 W		709
Q0475	2 X 36 W		1.319+671
Q0476	2 X 58 W		1.624+ 671



1 x 18 W

1 x 36 W

1 x 58 W

2 x 18 W



2 X 36 W

2 X 58 W

Manguera de unión: 50 cm  
Union hose: 50 cm  
Câble d'union: 50 cm

IK10

IP68-2

CE

EN 60598-1

## ACCESORIOS TR2 / TR2 ACCESORIES / ACCESSOIRES TR2

### TR2 OPAL



Ref.

Potencia

Watts

Puissance

(W)

18

36

58

14-24

21-39

28-54

35-49-80

Ref luminaria + "O". Ej.: Q06010

Light fitting ref + "O". Ex.: Q06010

Ref luminaire + "O". Ex.: Q06010



Ref.

Q0401

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme



Q0402

**Bridas de acero inoxidable de  
apertura rápida**  
Quick opening stainless steel clamps  
Colliers inox de ouverture rapide  
à grenouillère



Q0158

**Brida de metacrilato (1 unidad)**  
Antivandalic acrylic (1 unit)  
Colliers en méthacrylate (1 unité)



Ref.

Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier

Q0160

**Válvula anticondensación y  
de equilibrado de presión**  
Anticondensation valve  
and pressure balancing  
Valve anti-condensation et  
équilibrage de pression

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0404

5 polos / 5 poles / 5 pôles

Ref. Q0406

1-10  
DALI

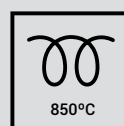
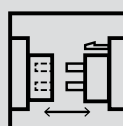
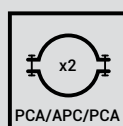
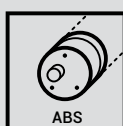
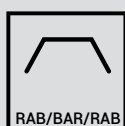
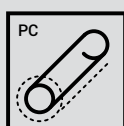
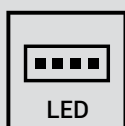
EMERGENCY  
1h / 3h

# 1.17

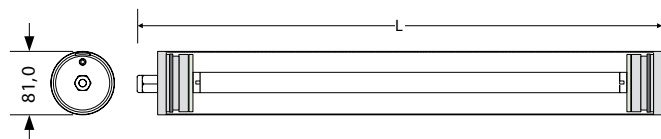
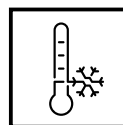
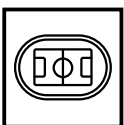
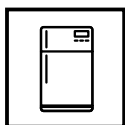
## ORION



**Brida**  
Clamp  
Collier



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





RG1

MACADAM

3/4

UGR  
<19

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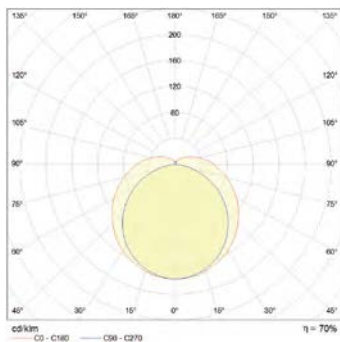
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IP67

IK07

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
			(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	
OR113	600	13	1490	1040	3000	770	81	113	1
OR114	600	13	1550	1082	4000	770	81	113	1
OR123	600	16	2560	1787	3000	770	81	113	1
OR124	600	16	2670	1864	4000	770	81	113	1
OR213	1200	24	2980	2080	3000	1380	81	113	1
OR214	1200	24	3200	2234	4000	1380	81	113	1
OR223	1200	32	5120	3574	3000	1380	81	113	1
OR224	1200	32	5340	3727	4000	1380	81	113	1
OR313	1500	29	3720	2597	3000	1633	81	113	1
OR314	1500	29	4000	2792	4000	1633	81	113	1
OR323	1500	40	6310	4404	3000	1633	81	113	1
OR324	1500	40	6700	4677	4000	1633	81	113	1

# 1.17

## ORION



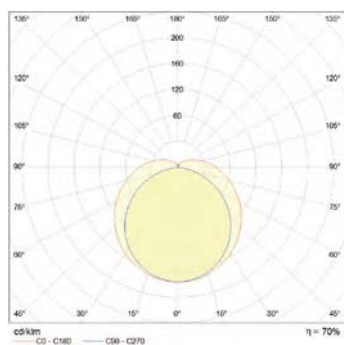
**Brida**  
Clamp  
Collier



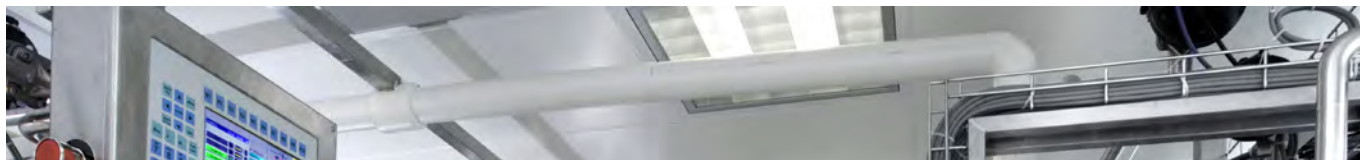
**BAJAS TEMPERATURAS**  
LOW TEMPERATURES  
BASSES TEMPÉRATURES




-40°C



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
OC123	600	32	4300	3000	3000	770	81	113	1
OC124	600	32	4600	3200	4000	770	81	113	1
OC223	1200	64	8600	6000	3000	1380	81	113	1
OC224	1200	64	9000	6300	4000	1380	81	113	1
OC323	1500	80	10750	7500	3000	1633	81	113	1
OC324	1500	80	11400	8000	4000	1633	81	113	1



RG1	MACADAM 3/4	UGR <19	 CR>80	L70B50 > 50.000	IP67	IK07	CE EN 60598-1
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## ACCESORIOS ORION / ORION ACCESSORIES / ACCESSOIRES ORION



Ref. Q0338

**Bridas de acero cincado**  
Zinc-plated steel clamps  
*Colliers en acier galvanisé*



Ref. Q0347

**Bridas de acero inoxidable**  
Stainless steel clamps  
*Colliers inox antivandalisme*



Ref. Q0348

**Bridas de acero inoxidable de apertura rápida**  
Quick opening stainless steel clamps  
*Colliers inox de ouverture rapide à grenouillère*



Ref. Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
*Suspension avec câble en acier*



Ref. Q0339

**Tapas metálicas y racor metálico**  
Metallic end caps and cable glands  
*Embouts et presse-étoupes métalliques*

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
*CÂBLAGE TRAVERSANT*

3 polos / 3 poles / 3 pôles

Ref. Q0578

5 polos / 5 poles / 5 pôles

Ref. Q0579

1-10  
DALI

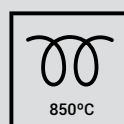
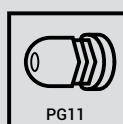
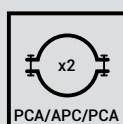
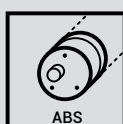
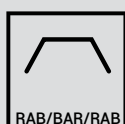
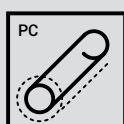
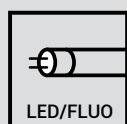
EMERGENCY  
1h / 3h

# 1.18

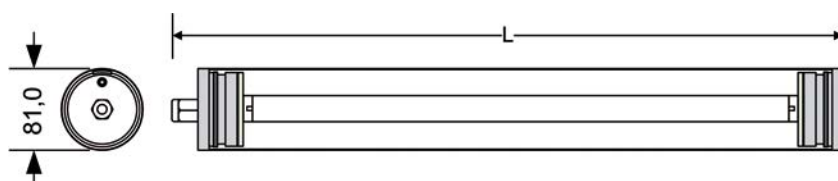
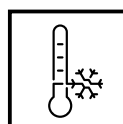
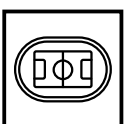
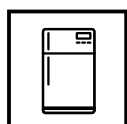
## TR3



Brida  
Clamp  
Collier



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





IP67

IK07

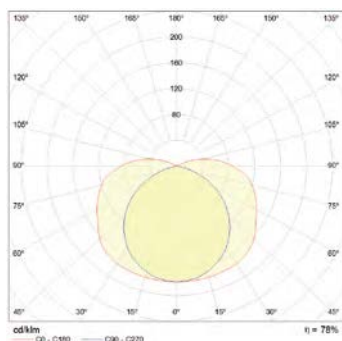
CE

EN 60598-1



## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

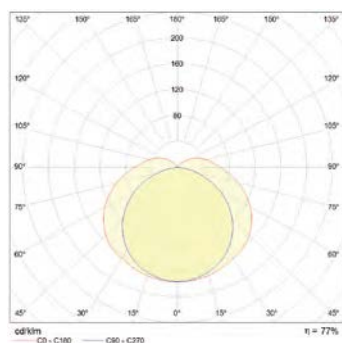
G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0035	18 W	■	713
Q0063	18 W	●	713
Q0036	36 W	■	1.323
Q0064	36 W	●	1.323
Q0037	58 W	■	1.628
Q0065	58 W	●	1.628

## 2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
Q0038	18 W	■	713
Q0066	18 W	●	713
Q0039	36 W	■	1.323
Q0067	36 W	●	1.323
Q0040	58 W	■	1.628
Q0068	58 W	●	1.628

■ Electrónica / Electronic / Électronique

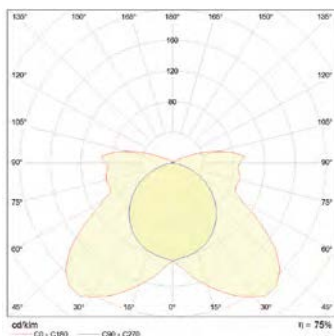
● Regulable / Dimmable / Gradable

# 1.18

## TR3

### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

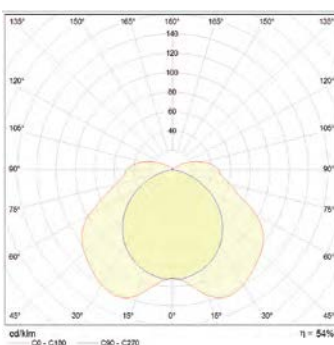
G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0051	14 W	■	675
Q0069	14 W	●	675
Q0052	21 W	■	970
Q0070	21 W	●	979
Q0053	28 W	■	1.276
Q0071	28 W	●	1.276
Q0054	35 W	■	1.578
Q0072	35 W	●	1.578
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0089	24 W	■	675
Q0087	24 W	●	675
Q0055	39 W	■	970
Q0073	39 W	●	970
Q0086	49 W	■	1.578
Q0088	49 W	●	1.578
Q0056	54 W	■	1.276
Q0074	54 W	●	1.276
Q0081	80 W	■	1.578
Q0083	80 W	●	1.578

### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
Q0057	14 W	■	675
Q0075	14 W	●	675
Q0058	21 W	■	970
Q0076	21 W	●	979
Q0059	28 W	■	1.276
Q0077	28 W	●	1.276
Q0060	35 W	■	1.578
Q0078	35 W	●	1.578
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
Q0092	24 W	■	675
Q0090	24 W	●	675
Q0061	39 W	■	970
Q0079	39 W	●	970
Q0085	49 W	■	1.578
Q0091	49 W	●	1.578
Q0062	54 W	■	1.276
Q0080	54 W	●	1.276

■ Electrónica / Electronic / Électronique ● Regulable / Dimmable / Gradable

IP67

IK07

CE

EN 60598-1


**BAJAS TEMPERATURAS / LOW TEMPERATURES / BASSES TEMPÉRATURES**

G13/T8

Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	Largo Length <i>Longueur</i>
	(W)		(mm)
Q0345	1 x 18 W		713
Q0344	1 x 36 W		1.323
Q0343	1 x 58 W		1.628
Q0342	2 x 18 W		713
Q0341	2 x 36 W		1.323
Q0340	2 x 58 W		1.628

# 1.18

## TR3

### TR3 LED



**Brida**  
Clamp  
Collier



#### 1 TUBO LED/ 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud Tubo Tube Length Longueur Tube (mm)	Longitud Luminaria Fitting Length Longueur Luminaire (mm)
Q0035L	600	713
Q0036L	1.200	1.323
Q0037L	1.500	1.628

#### 2 TUBOS LED/ 2 LED TUBES / 2 TUBES LED

G13/T8

Ref.	Longitud Tubo Tube Length Longueur Tube (mm)	Longitud Luminaria Fitting Length Longueur Luminaire (mm)
Q0038L	600	713
Q0039L	1.200	1.323
Q0040L	1.500	1.628





# 1.18

## TR3

### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
Q0201L	600	713
Q0202L	1.200	1.323
Q0203L	1.500	1.628

### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
Q0204L	600	713
Q0205L	1.200	1.323
Q0206L	1.500	1.628

### ACCESORIOS TR3 / TR3 ACCESORIES / ACCESSOIRES TR3

#### TR3 OPAL



Ref.	Potencia Watts <i>Puissance</i>
	(W)
	18
	36
	58
	14-24
	21-39
	28-54
	35-49-80

Ref luminaria + "O". Ej.: Q06010  
Light fitting ref + "O". Ex.: Q06010  
Ref luminaire + "O". Ex.: Q06010





# 1.18

## TR3

### ACCESORIOS TR3 / TR3 ACCESORIES / ACCESSOIRES TR3



Ref. **Q0338**

**Bridas de acero cincado**  
Zinc-plated steel clamps  
*Colliers en acier galvanisé*



Ref. **Q0347**

**Bridas de acero inoxidable**  
Stainless steel clamps  
*Colliers inox antivandalisme*



Ref. **Q0348**

**Bridas de acero inoxidable de apertura rápida**  
Quick opening stainless steel clamps  
*Colliers inox de ouverture rapide à grenouillère*



Ref. **Q0349**

**Suspensión con cable de acero**  
Steel cable suspension  
*Suspension avec câble en acier*



Ref. **Q0351**

**Conexión rápida**  
Quick connection  
*Connecteurs étanches de connection rapide*



Ref. **Q0339**

**Tapas metálicas y racor metálico**  
Metallic end caps and cable glands  
*Embouts et presse-étoupes métalliques*



Ref. **Q0155**

**Brida de policarbonato antivandálica**  
Antivandalic polycarbonate clamps  
*Colliers antivandalism en polycarbonate*



Ref. **Q0334**

**Brida de A.B.S. (2 unidades)**  
A.B.S. clamp (2 units)  
*Colliers en A.B.S. (2 uts.)*



Ref. **Q0161**

**Válvula anticondensación y de equilibrado de presión**  
Anticondensation valve and pressure balancing  
*Valve anti-condensation et équilibrage de pression*

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
*CÂBLAGE TRAVERSANT*

**3 polos / 3 poles / 3 pôles**

Ref. **Q0350**

**5 polos / 5 poles / 5 pôles**

Ref. **Q0361**

1-10  
DALI

**EMERGENCY**  
1h / 3h



# REFLECTORES ESPECIALES

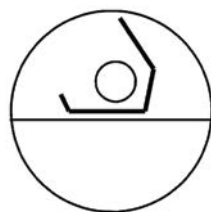
## SPECIAL REFLECTORS / RÉFLECTEURS SPÉCIAUX

### REFLECTOR INTENSIVO / INTENSIVE REFLECTOR / RÉFLECTEURS INTENSIF



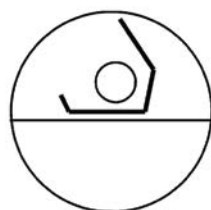
Ref.	Potencia Watts Puissance
	(W)
Q0276	1 x 14 / 24 W
Q0277	1 x 21 / 39 W
Q0278	1 x 28 / 54 W
Q0279	1 x 35 / 49 / 80 W

### REFLECTOR INTENSIVO / INTENSIVE REFLECTOR / RÉFLECTEURS INTENSIF



Ref.	Potencia Watts Puissance
	(W)
Q0280	1 x 14 / 24 W
Q0281	1 x 21 / 39 W
Q0282	1 x 28 / 54 W
Q0283	1 x 35 / 49 / 80 W

### REFLECTOR INTENSIVO / INTENSIVE REFLECTOR / RÉFLECTEURS INTENSIF



Ref.	Potencia Watts Puissance
	(W)
Q0284	1 x 14 / 24 W
Q0285	1 x 21 / 39 W
Q0286	1 x 28 / 54 W
Q0287	1 x 35 / 49 / 80 W

Válidos para los modelos Rinox, Resist, TR2 y TR3.

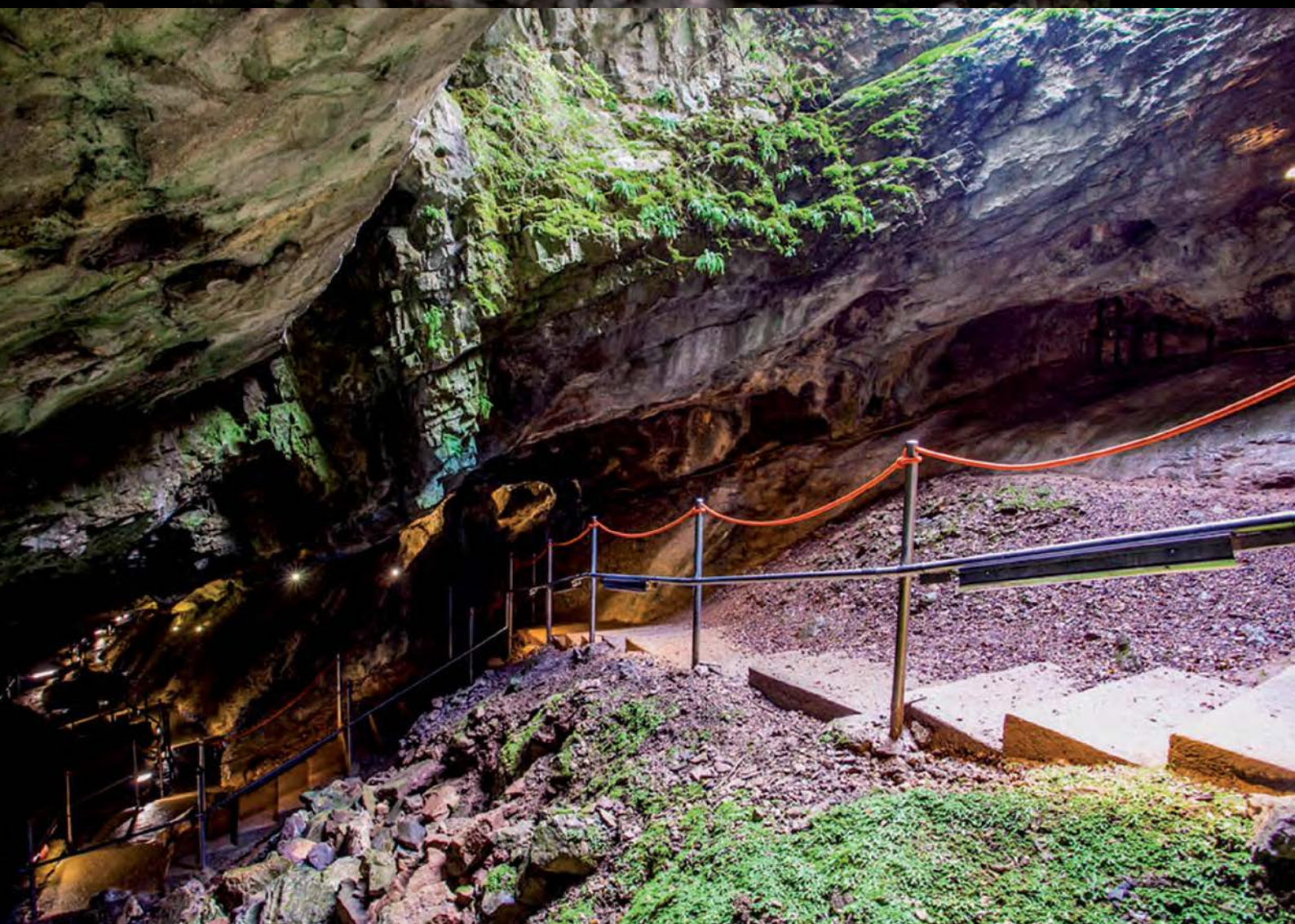




**TR4 OPAL LED**

Cueva de las Gúisas, Villanua, España  
Witches Cave, Villanua, Spain  
*Grotte des Sorcières, Villanua, Espagne*

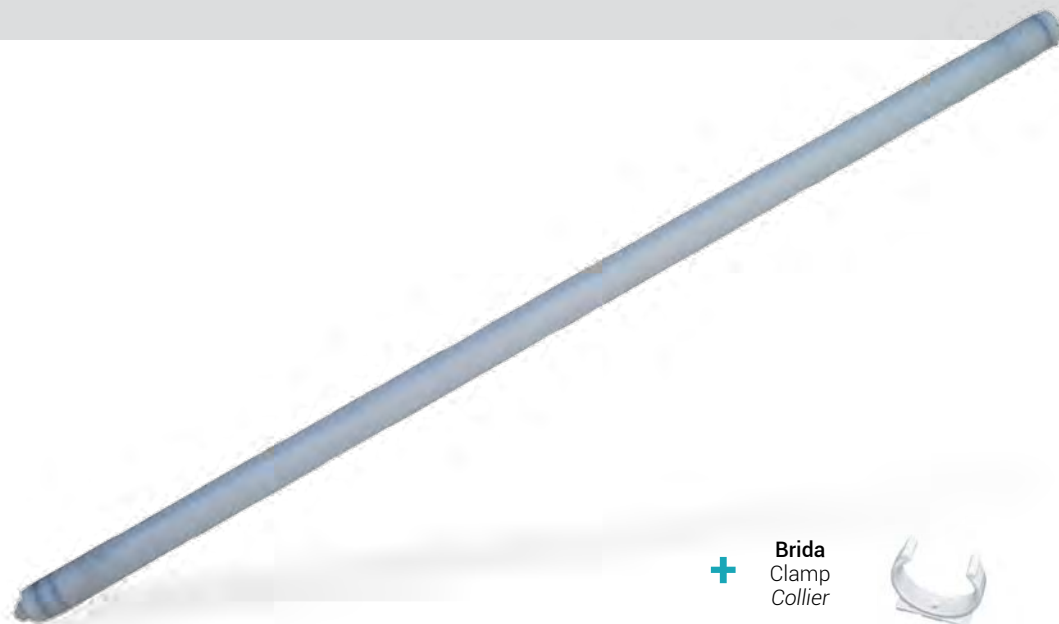




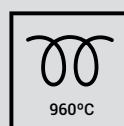
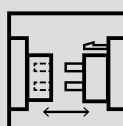
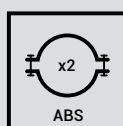
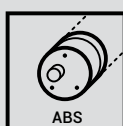
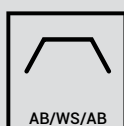
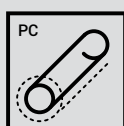
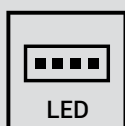


# 1.19

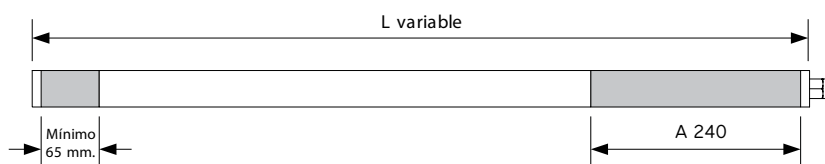
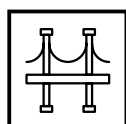
## EXCALIBUR



+ Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES

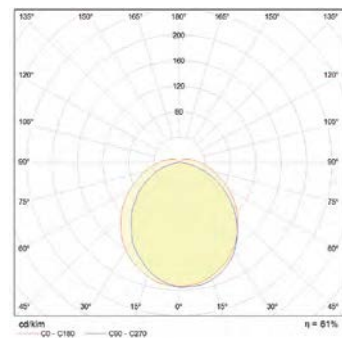


IT - DE





RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IP67	IK07	CE EN 60598-1
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Ref.	Tamaño Size Dimension (mm)	Potencia Watts Puissance (W)	Emisión Light emission Intensité lum. (Lm)	Emisión neta Net output Flux sortant (Lm)	Tª color Tª colour Tª couleur (°K)	Largo Length Longueur (mm)	Ancho Wide Large (mm)	Embalaje Packaging Carton
ER113	600	13	1490	906	3000	1080	41	1
ER114	600	13	1550	942	4000	1080	41	1
ER123	600	16	2560	1556	3000	1080	41	1
ER124	600	16	2670	1623	4000	1080	41	1
ER213	1200	24	2980	1812	3000	1620	41	1
ER214	1200	24	3200	1946	4000	1620	41	1
ER223	1200	32	5120	3113	3000	1620	41	1
ER224	1200	32	5340	3247	4000	1620	41	1
ER313	1500	29	3720	2262	3000	1910	41	1
ER314	1500	29	4000	2432	4000	1910	41	1
ER323	1500	40	6310	3836	3000	1910	41	1
ER324	1500	40	6700	4074	4000	1910	41	1

### ACCESORIOS TR3 / TR3 ACCESORIES / ACCESSOIRES TR3



Ref.

Q0057

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme



Q0063

**Tapas metálicas y racor metálico**  
Metallic end caps and nickel-plated gland  
Embouts métalliques et presseétoupe



Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0882

5 polos / 5 poles / 5 pôles

Ref. Q0580

1-10  
DALI

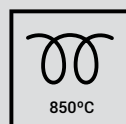
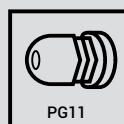
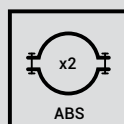
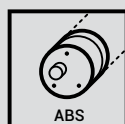
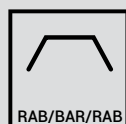
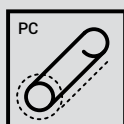
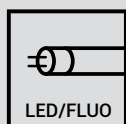
EMERGENCY  
1h / 3h

# 1.20

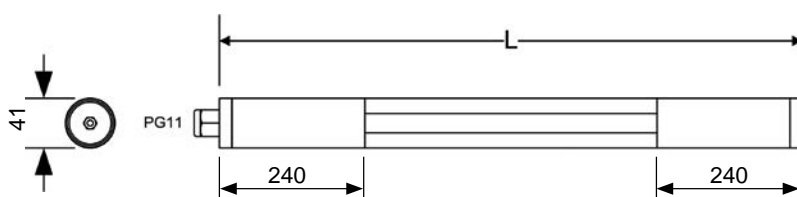
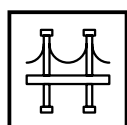
## TR4



Brida  
Clamp  
Collier



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP67

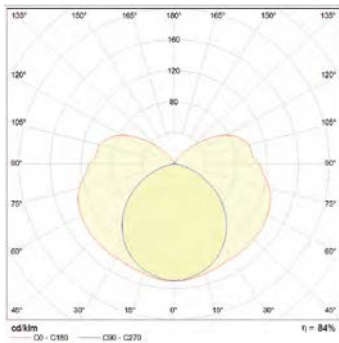
CE

EN 60598-1



## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G5/T5

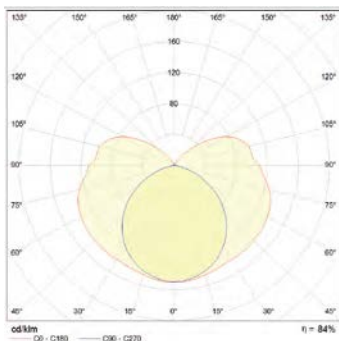


Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
R0015	18 W	■	1.080
R0022	18 W	●	***
R0016	36 W	■	1.940
R0023	36 W	●	***
R0017	58 W	■	2.240
R0024	58 W	●	***

\*\*\* Consultar / Consult / Consulter

## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G5/T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
R0051	14 W	■	1.038
R0025	14 W	●	***
R0052	21 W	■	1.335
R0026	21 W	●	***
R0053	28 W	■	1.800
R0027	28 W	●	***
R0054	35 W	■	2.100
R0028	35 W	●	***
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
R0031	24 W	■	1.038
R0034	24 W	●	***
R0055	39 W	■	1.510
R0029	39 W	●	***
R0032	49 W	■	2.100
R0035	49 W	●	***
R0056	54 W	■	1.800
R0030	54 W	●	***
R0033	80 W	■	2.330
R0036	80 W	●	***

■ Electrónica / Electronic / Électronique

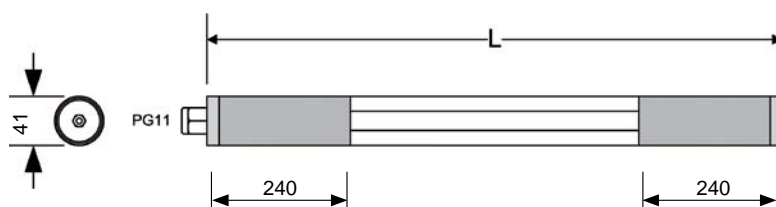
● Regulable / Dimmable / Gradable

\*\*\* Consultar / Consult / Consulter



# 1.20

## TR4 ALUMINIUM



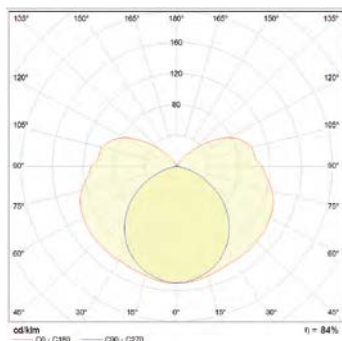
IP67

CE

EN 60598-1

## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G5/T5

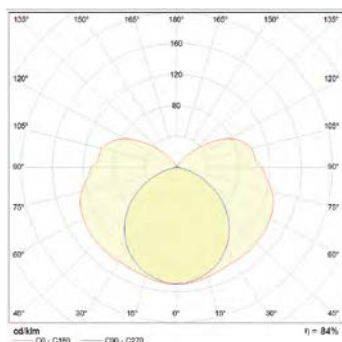


Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
R0115	18 W	■	1.080
R0118	18 W	●	***
R0116	36 W	■	1.940
R0119	36 W	●	***
R0117	58 W	■	2.240
R0120	58 W	●	***

\*\*\* Consultar / Consult / Consulter

## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
R0151	14 W	■	1.038
R0157	14 W	●	***
R0152	21 W	■	1.335
R0126	21 W	●	***
R0153	28 W	■	1.800
R0158	28 W	●	***
R0154	35 W	■	2.100
R0159	35 W	●	***
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
R0161	24 W	■	1.038
R0165	24 W	●	***
R0155	39 W	■	1.510
R0169	39 W	●	***
R0163	49 W	■	2.100
R0167	49 W	●	***
R0156	54 W	■	1.800
R0160	54 W	●	***
R0164	80 W	■	2.330
R0168	80 W	●	***

\*\*\* Consultar / Consult / Consulter

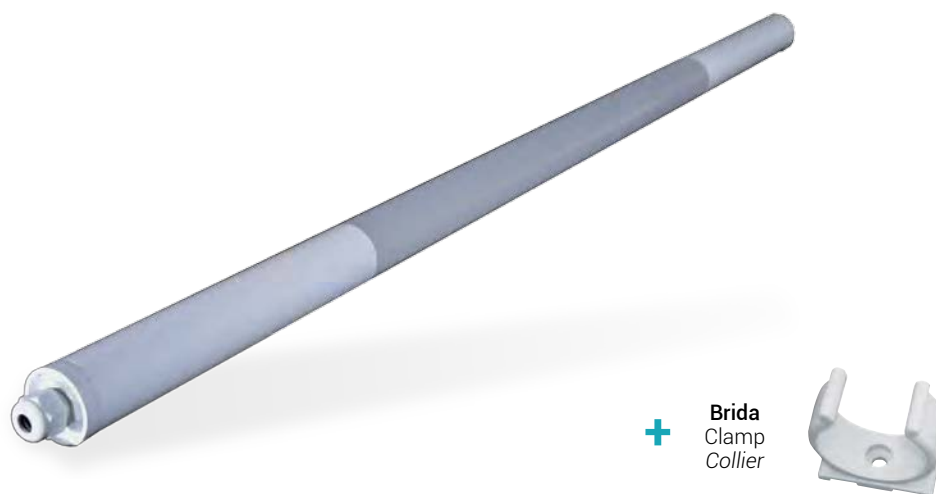
■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

# 1.20

IP67

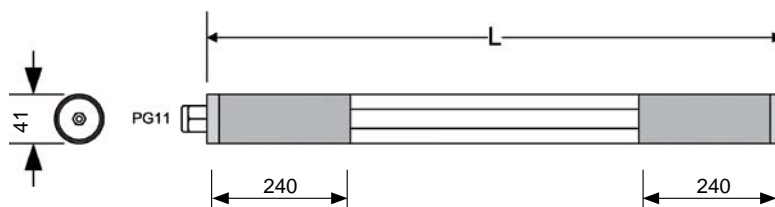
CE  
EN 60598-1



+ **Brida**  
Clamp  
Collier

<b>Potencia</b>									
Watts	18 W	36 W	58W	14-24 W	21 W	28-54 W	35-49 W	39 W	80 W
Puissance									

**Ref luminaria + "O". Ej.: R00150**  
Light fitting ref + "O". Ex.:R00150  
Ref luminaire + "O". Ex.: R00150





# TR4 LED

IP67

IK10

CE

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**BLANCO** / WHITE / *BLANC*



**OPAL** / MATTE / *OPALE*

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
R0015L	600	780
R0014L	900	1.080
R0016L	1.200	1.380
R0017L	1.500	1.680

## ALUMINIO / ALUMINIUM / ALUMINIUM

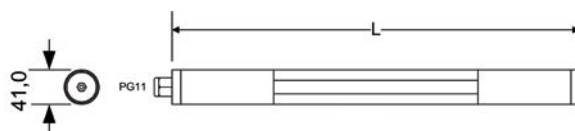
G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
R0115L	600	780
R0114L	900	1.080
R0116L	1.200	1.380
R0117L	1.500	1.680

## OPAL / MATTE / OPALE

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
R0201L	600	780
R0204L	900	1.080
R0202L	1.200	1.380
R0203L	1.500	1.680



# 1.20

## TR4

IP67

CE

EN 60598-1

### ACCESORIOS TR4 / TR4 ACCESORIES / ACCESSOIRES TR4



Ref.

R0057

**Bridas de acero inoxidable**  
Stainless steel clamps  
*Colliers inox antivandalisme*



R0063

**Tapas metálicas y racor metálico**  
Metallic end caps and cable glands  
*Embouts et presse-étoupes métalliques*



Q0349

**Suspensión con cable de acero**  
Steel cable suspension  
*Suspension avec câble en acier*

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
*CÂBLAGE TRAVERSANT*

**3 polos / 3 poles / 3 pôles**

Ref. R0058

**5 polos / 5 poles / 5 pôles**

Ref. R0064

1-10  
DALI

EMERGENCY  
1h / 3h



**TR4**

Residencia Can Travi, Barcelona, España. Luminaria TR4  
Retirement home Can Travi, Barcelona, Spain. TR4 luminaire  
Maison de retraite Can Travi, Barcelona, Espagne. Luminaire TR4

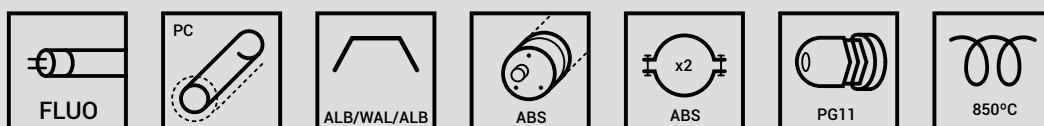


**TR4**

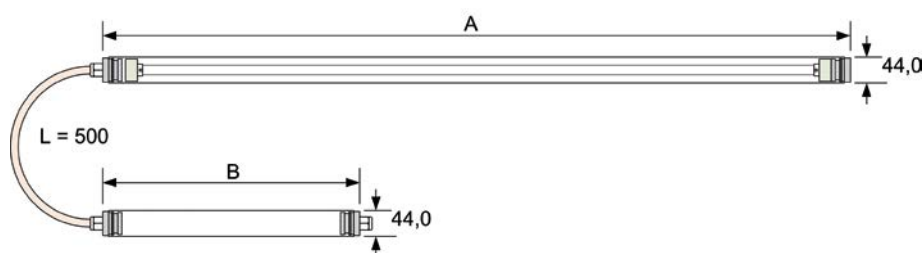
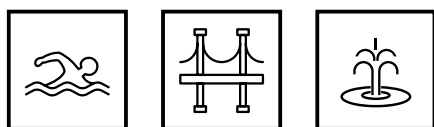
Residencia Can Travi, Barcelona, España. Luminaria TR4  
Retirement home Can Travi, Barcelona, Spain. TR4 luminaire  
Maison de retraite Can Travi, Barcelona, Espagne. Luminaire TR4

# 1.21

## COMPACT



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



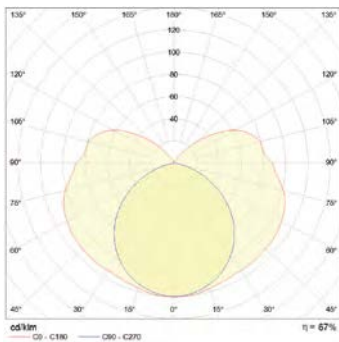
IP67

IK10

CE

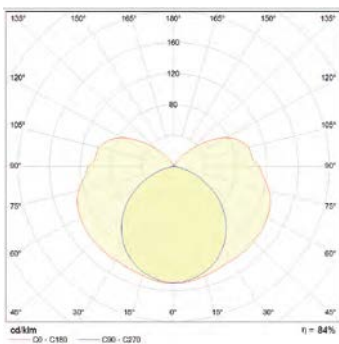
EN 60598-1

G5/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
R0201	18 W	■	745 + 245
R0204	18 W	●	745 + 245
R0202	36 W	■	1.355 + 440
R0205	36 W	●	1.355 + 440
R0203	58 W	■	1.655 + 440
R0206	58 W	●	1.655 + 440

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
R0207	14 W	■	692 + 245
R0216	14 W	●	692 + 245
R0208	21 W	■	992 + 245
R0217	21 W	●	992 + 245
R0209	28 W	■	1.292 + 440
R0218	28 W	●	1.292 + 440
R0210	35 W	■	1.592 + 440
R0219	35 W	●	1.592 + 440
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
R0211	24 W	■	692 + 245
R0220	24 W	●	692 + 245
R0212	39 W	■	992 + 245
R0221	39 W	●	992 + 245
R0213	49 W	■	1.592 + 440
R0222	49 W	●	1.592 + 440
R0214	54 W	■	1.292 + 440
R0223	54 W	●	1.292 + 440
R0215	80 W	■	1.592 + 440
R0224	80 W	●	1.592 + 440

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

## ACCESORIOS COMPACT / COMPACT ACCESSORIES / ACCESSOIRES COMPACT



Ref.

R0057

**Bridas de acero inoxidable**  
Stainless steel clamps  
Colliers inox antivandalisme

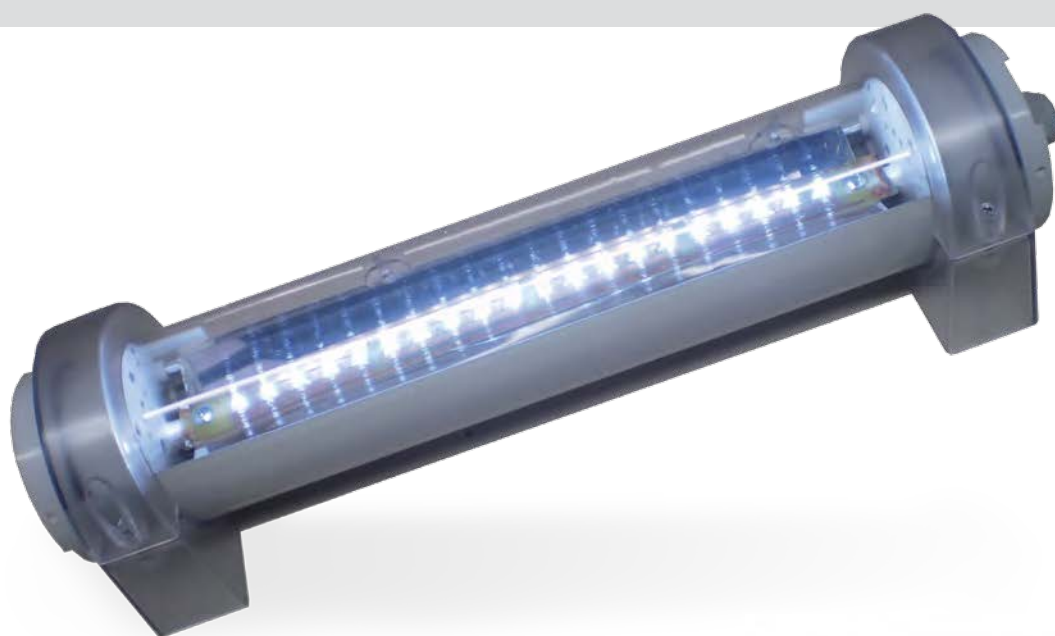


R0063

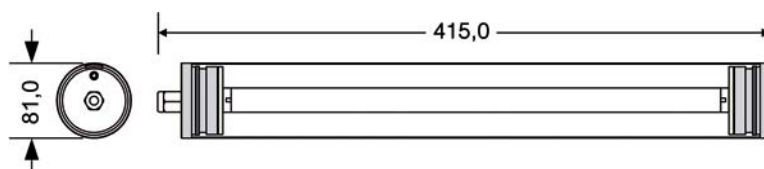
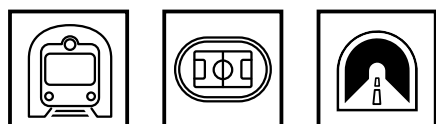
**Tapas metálicas y racor metálico**  
Metallic end caps and cable glands  
Embouts et presse-étoupes métalliques

# 1.22

## EMELUX LED

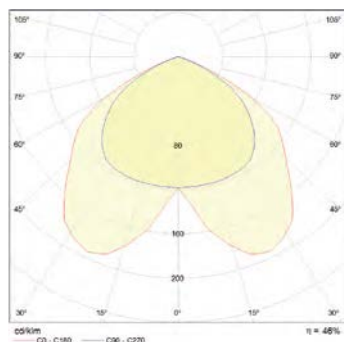


**APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES**





RG1	MACADAM 3/4	UGR <19	CR>80	L70B50 > 50.000	IK07	IP67	60598-2-22 CE EN 60598-1
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Ref.	Rendimiento Size Dimension (lm)	Equipo Equipment Ballast (W)	Autonomía Autonomy Autonomie (h)
Q0303	100	●	3
Q0304	100	●	3
Q0305	200	●	1,5
Q0306	200	●	1,5
Q0307	300	●	1
Q0308	300	●	1

Cumplen la norma 60598-2-22.

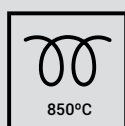
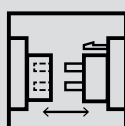
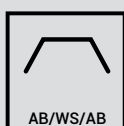
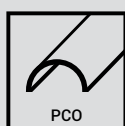
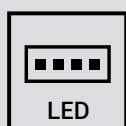
● Permanente / permanent / permanent  
● No permanente / not permanent / non permanent

## ACCESORIOS EMELUX / EMELUX ACCESORIES / ACCESSOIRES EMELUX

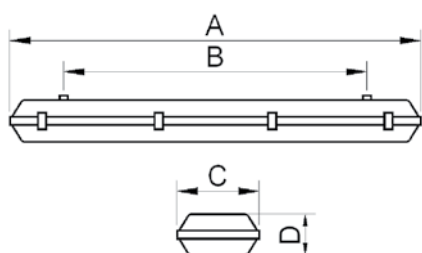
Ref.  Q0334	Ref.  Q0338	Ref.  Q0348
<b>Brida de A.B.S. (2 unidades)</b> A.B.S. clamp (2 units) Colliers en A.B.S. (2 uts.)	<b>Bridas de acero cincado</b> Zinc-plated steel clamps Colliers en acier galvanisé	<b>Bridas de acero inoxidable de apertura rápida</b> Quick opening stainless steel clamps Colliers inox de ouverture rapide à grenouillère
Ref.  Q0347	Ref.  Q0349	Ref.  Q0339
<b>Bridas de acero inoxidable</b> Stainless steel clamps Colliers inox antivandalisme	<b>Suspensión con cable de acero</b> Steel cable suspension Suspension avec câble en acier	<b>Tapas metálicas y racor metálico</b> Metallic end caps and cable glands Embouts et presse-étoupes métalliques

# 1.23

## PISTON



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES

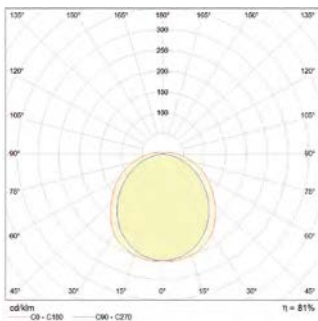


IT - DE





<b>RG1</b>	<b>MACADAM</b> 3/4	<b>UGR</b> <19	 <b>CR&gt;80</b>	<b>L70B50</b> > <b>50.000</b>	<b>IP65</b>	<b>IK07</b>	<b>CE</b>  EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Watts Puissance	Emisión Light emission Intensité lum.	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D	Cierre Fasteners Fermetures	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	(mm)		
PI113	600	24	2980	2420	3000	664	260	160	110	6	1
PI114	600	24	3200	2598	4000	664	260	160	110	6	1
PI123	600	32	5120	4157	3000	664	260	160	110	6	1
PI124	600	32	5340	4336	4000	664	260	160	110	6	1
PI213	1200	48	5960	4840	3000	1274	870	160	110	8	1
PI214	1200	48	6400	5197	4000	1274	870	160	110	8	1
PI223	1200	64	10240	8315	3000	1274	870	160	110	8	1
PI224	1200	64	10680	8672	4000	1274	870	160	110	8	1
PI313	1500	58	7440	6041	3000	1575	650	160	110	12	1
PI314	1500	58	8000	6496	4000	1575	650	160	110	12	1
PI323	1500	80	12620	10247	3000	1575	650	160	110	12	1
PI324	1500	80	13400	10881	4000	1575	650	160	110	12	1

## ACCESORIOS PISTON / PISTON ACCESSORIES / ACCESSOIRES PISTON



Ref.

**S2150**

**Grapa de acero inoxidable**  
Stainless steel clip  
Clip acier inox



**S2151**

**Sujeción a carril**  
Rail fastening  
Platine de fixation sur rail

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

**3 polos / 3 poles / 3 pôles**

**Ref. Q0883**

**5 polos / 5 poles / 5 pôles**

**Ref. Q0887**

**1-10**  
**DALI**

**EMERGENCY**  
**1h / 3h**



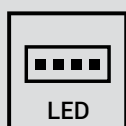




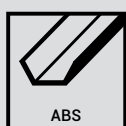


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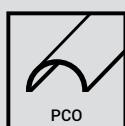
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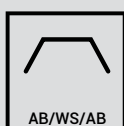
LED



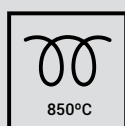
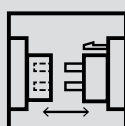
ABS



PCO

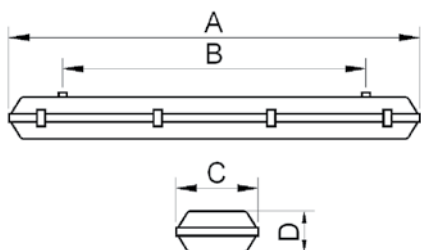
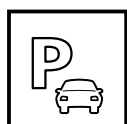


AB/WS/AB



850°C

**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES

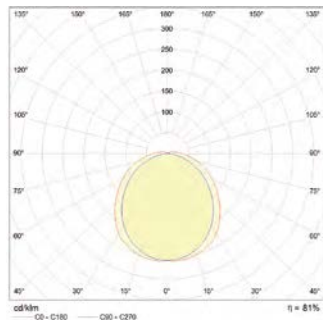
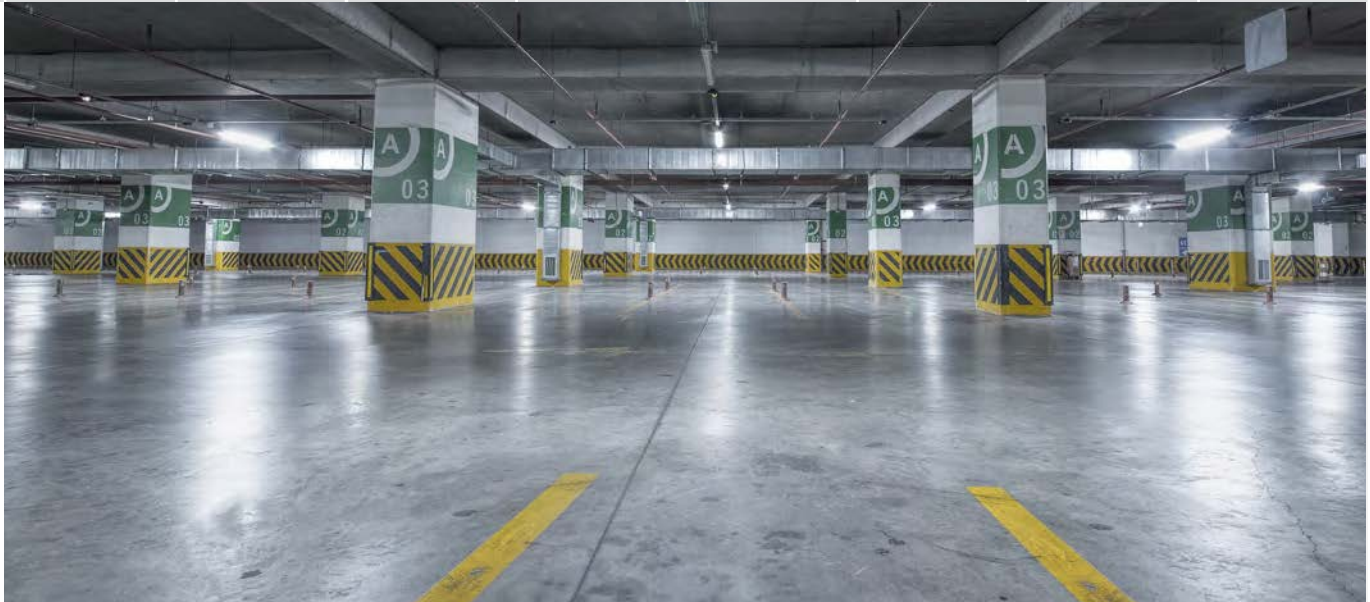


IT - DE





<b>RG1</b>	<b>MACADAM</b> 3/4	<b>UGR</b> <19	 <b>CR&gt;80</b>	<b>L70B50</b> > <b>50.000</b>	<b>IP65</b>	<b>IK07</b>	<b>CE</b> EN 60598-1
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Ref.	Tamaño Size Dimension	Potencia Watts Puissance	Emisión Light emission Intensité lum.	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D	Cierre Fasteners Fermetures	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	(mm)		
PC113	600	13	1490	1210	3000	664	260	100	110	6	1
PC114	600	13	1550	1259	4000	664	260	100	110	6	1
PC123	600	16	2560	2079	3000	664	260	100	110	6	1
PC124	600	16	2670	2168	4000	664	260	100	110	6	1
PC213	1200	24	2980	2420	3000	1274	870	100	110	8	1
PC214	1200	24	3200	2598	4000	1274	870	100	110	8	1
PC223	1200	32	5120	4157	3000	1274	870	100	110	8	1
PC224	1200	32	5340	4336	4000	1274	870	100	110	8	1
PC313	1500	29	3720	3021	3000	1575	650	100	110	12	1
PC314	1500	29	4000	3248	4000	1575	650	100	110	12	1
PC323	1500	40	6310	5124	3000	1575	650	100	110	12	1
PC324	1500	40	6700	5440	4000	1575	650	100	110	12	1

## ACCESORIOS PISTON / PISTON ACCESORIES / ACCESSOIRES PISTON



Ref.

S2150

**Grapa de acero inoxidable**  
Stainless steel clip  
Clip acier inox



S2151

**Sujeción a carril**  
Rail fastening  
Platine de fixation sur rail

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. Q0883

5 polos / 5 poles / 5 pôles

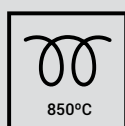
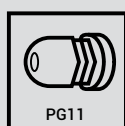
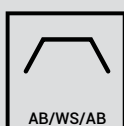
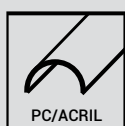
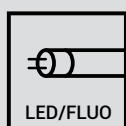
Ref. Q0887

1-10  
DALI

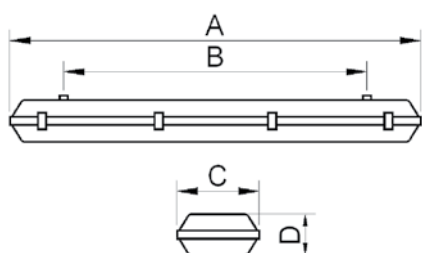
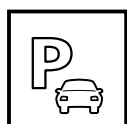
EMERGENCY  
1h / 3h

# 1.25

## SUPRA



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



Potencia Watts Puissance	B	C	D	Cierres Fasteners Fermetures
(W)	(mm)	(mm)	(mm)	
1 x 18 W	260	100	110	6
1 x 36 W	870	100	110	8
1 x 58 W	650	100	110	12
2 x 18 W	260	160	110	6
2 x 36 W	650	160	110	8
2 x 58 W	650	160	110	12



IT - DE



IP65

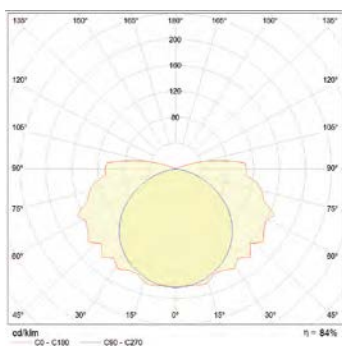


EN 60598-1



## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

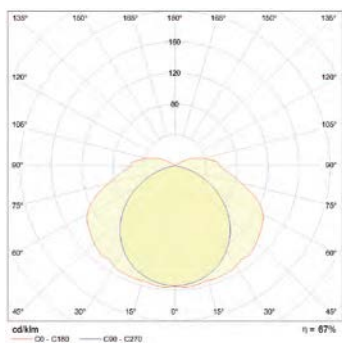
G13/T8



Ref. Acrílico Acrylic Acrylique	Ref. PC	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
		(W)		(mm)
S0107	S1107	18 W	■	664
S0127	S1127	18 W	●	664
S0108	S1108	36 W	■	1.274
S0128	S1128	36 W	●	1.274
S0109	S1109	58 W	■	1.575
S0129	S1129	58 W	●	1.575

## 2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES

G13/T8



Ref. Acrílico Acrylic Acrylique	Ref. PC	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
		(W)		(mm)
S0119	S1119	18 W	■	664
S0130	S1130	18 W	●	664
S0120	S1120	36 W	■	1.274
S0131	S1131	36 W	●	1.274
S0121	S1121	58 W	■	1.575
S0132	S1132	58 W	●	1.575

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable



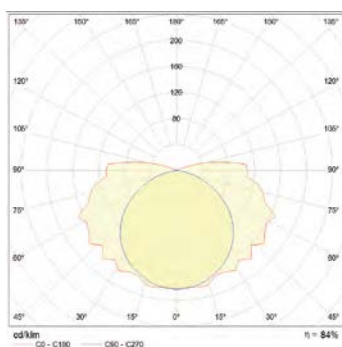
# 1.25

## SUPRA T5



1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G13/T8



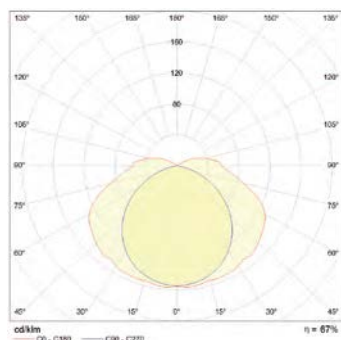
Ref. Acrylic Acrylique	Ref. PC	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
		(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>				
S2001	S2101	14 W	■	664
S2014	S2114	14 W	●	664
S2002	S2102	28 W	■	1.274
S2015	S2115	28 W	●	1.274
S2003	S2103	35 W	■	1.575
S2016	S2116	35 W	●	1.575
<b>Alto Rendimiento / High Output / Flux Élevé</b>				
S2004	S2104	24 W	■	664
S2017	S2117	24 W	●	664
S2005	S2105	49 W	■	1.575
S2018	S2118	49 W	●	1.575
S2006	S2106	54 W	■	1.274
S2019	S2119	54 W	●	1.274
S2007	S2107	80 W	■	1.575
S2020	S2120	80 W	●	1.575

IP65

CE

## 2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES

G13/T8



Ref. Acrylic Acrylique	Ref. PC	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
		(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>				
S2008	S2108	14 W	■	664
S2021	S2121	14 W	●	664
S2009	S2109	28 W	■	1.274
S2022	S2122	28 W	●	1.274
S2010	S2110	35 W	■	1.575
S2023	S2123	35 W	●	1.575
<b>Alto Rendimiento / High Output / Flux Élevé</b>				
S2011	S2111	24 W	■	664
S2024	S2124	24 W	●	664
S2012	S2112	49 W	■	1.575
S2025	S2125	49 W	●	1.575
S2013	S2113	54 W	■	1.274
S2026	S2126	54 W	●	1.274

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

**REFLECTOR ALUMINIO BRILLANTE**  
GLOSSY ALUMINIUM REFLECTOR  
RÉFLECTEUR ALUMINIUM BRILLANT

Potencia Watts Puissance	1 x 14/24 W	1 x 28/54 W	1 x 35/49/80 W	2 x 14/24 W	2 x 28/54 W	2 x 35/49 W

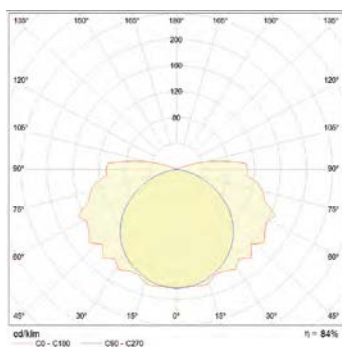
# 1.25

## SUPRA



### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

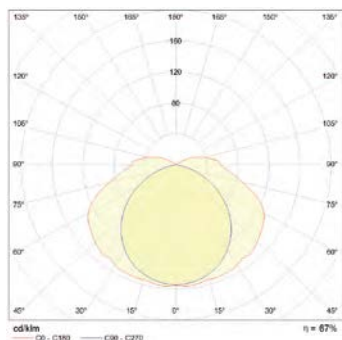
G13/T8



Ref. Acrylic Acrylique	Ref. PC	Longitud Tubo Tube Length Longueur Tube	Longitud Luminaria Fitting Length Longueur Luminaire
		(mm)	(mm)
S0107L	S1107L	600	664
S0108L	S1108L	1.200	1.274
S0109L	S1109L	1.500	1.575

### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

G13/T8



Ref. Acrylic Acrylique	Ref. PC	Longitud Tubo Tube Length Longueur Tube	Longitud Luminaria Fitting Length Longueur Luminaire
		(mm)	(mm)
S0119L	S1119L	600	664
S0120L	S1120L	1.200	1.274
S0121L	S1121L	1.500	1.575



IP65

CE



## ACCESORIOS SUPRA / SUPRA ACCESORIES / ACCESSOIRES SUPRA



Ref.

S2150

**Grapa de acero inoxidable**  
Stainless steel clip  
Clip acier inox



S2151

**Sujeción a carril DELTA**  
Delta rail fastening  
Platine de fixation sur rail DELTA

**LÍNEA CONTINUA**  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

Ref. S0122

5 polos / 5 poles / 5 pôles

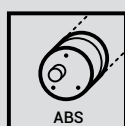
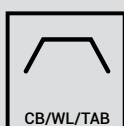
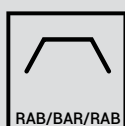
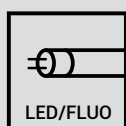
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1-10
DALI

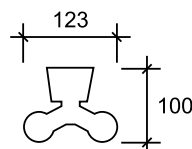
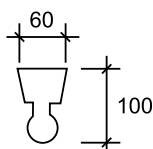
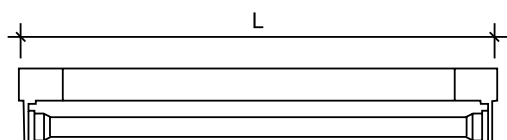
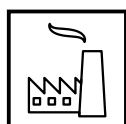
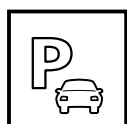
**EMERGENCY**  
1h / 3h

# 1.26

## MODELO M IP65



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP65

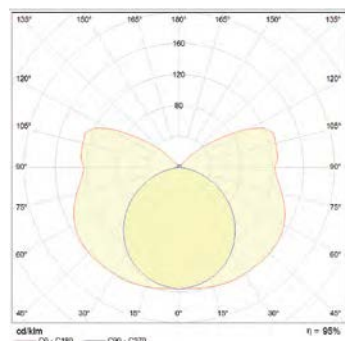
CE

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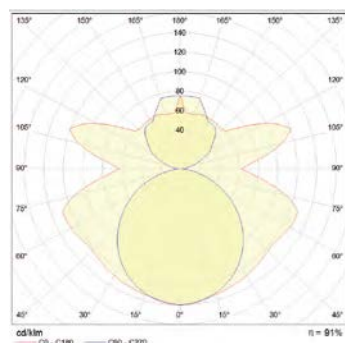
**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE**

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
M0125	18 W	■	624
M0141	18 W	●	624
M0126	36 W	■	1.233
M0142	36 W	●	1.233
M0127	58 W	■	1.534
M0143	58 W	●	1.534

**2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES**



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
M0128	18 W	■	624
M0144	18 W	●	624
M0129	36 W	■	1.233
M0145	36 W	●	1.233
M0130	58 W	■	1.534
M0146	58 W	●	1.534

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

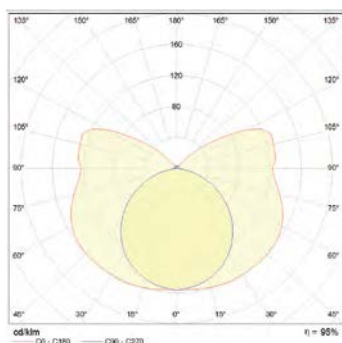


# 1.26

## MODELO M IP65

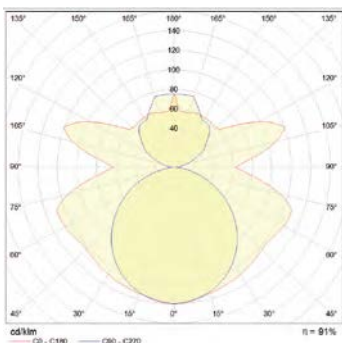
### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G5/T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
M0507	14 W	■	589
M0519	14 W	●	589
M0508	21 W	■	889
M0520	21 W	●	889
M0504	28 W	■	1.189
M0521	28 W	●	1.189
M0503	35 W	■	1.489
M0522	35 W	●	1.489
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
M0505	24 W	■	589
M0523	24 W	●	589
M0509	39 W	■	889
M0524	39 W	●	889
M0510	49 W	■	1.489
M0525	49 W	●	1.489
M0502	54 W	■	1.189
M0526	54 W	●	1.189
M0501	80 W	■	1.489

### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
M0511	14 W	■	589
M0528	14 W	●	589
M0512	21 W	■	889
M0529	21 W	●	889
M0513	28 W	■	1.189
M0530	28 W	●	1.189
M0506	35 W	■	1.489
M0531	35 W	●	1.489
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
M0514	24 W	■	589
M0532	24 W	●	589
M0515	39 W	■	889
M0533	39 W	●	889
M0516	49 W	■	1.489
M0534	49 W	●	1.489
M0517	54 W	■	1.189
M0535	54 W	●	1.189

■ Electrónica / Electronic / Électronique

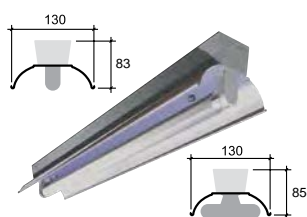
● Regulable / Dimmable / Gradable

IP65

CE

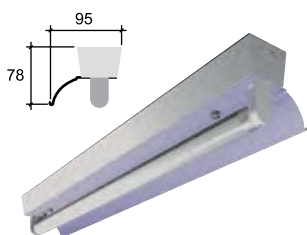
## REFLECTORES MODELO M / MODELO M REFLECTOR / REFLECTEUR MODELO M

### SIMÉTRICO / SYMMETRICAL / SYMÉTRIQUE



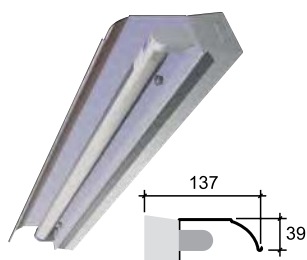
Chapa precalada Lacquered steel Acier laqué	Aluminio brillante Glossy aluminium Aluminium brillant	Potencia Watts Puissance
Ref.	Ref.	(W)
MA100	MA1A0	1 / 2 x 18 W
MA200	MA2A0	1 / 2 x 36 W
MA300	MA3A0	1 / 2 x 58 W
ME100	ME1A0	1 / 2 x 14/24 W
ME200	ME2A0	1 / 2 x 21/39 W
ME300	ME3A0	1 / 2 x 28/54 W
ME400	ME4A0	1 / 2 x 35/49 W

### ASIMÉTRICO E / ASYMMETRICAL E / ASYMÉTRIQUE E



Chapa precalada Lacquered steel Acier laqué	Aluminio brillante Glossy aluminium Aluminium brillant	Potencia Watts Puissance
Ref.	Ref.	(W)
MC100	MC1A0	1 / 2 x 18 W
MC200	MC2A0	1 / 2 x 36 W
MC300	MC3A0	1 / 2 x 58 W
MG100	MG1A0	1 / 2 x 14/24 W
MG200	MG2A0	1 / 2 x 21/39 W
MG300	MG3A0	1 / 2 x 28/54 W
MG400	MG4A0	1 / 2 x 35/49 W

### ASIMÉTRICO I / ASYMMETRICAL I / ASYMÉTRIQUE I



Chapa precalada Lacquered steel Acier laqué	Aluminio brillante Glossy aluminium Aluminium brillant	Potencia Watts Puissance
Ref.	Ref.	(W)
MD100	MD1A0	1 / 2 x 18 W
MD200	MD2A0	1 / 2 x 36 W
MD300	MD3A0	1 / 2 x 58 W
MH100	MH1A0	1 / 2 x 14/24 W
MH200	MH2A0	1 / 2 x 21/39 W
MH300	MH3A0	1 / 2 x 28/54 W
MH400	MH4A0	1 / 2 x 35/49 W

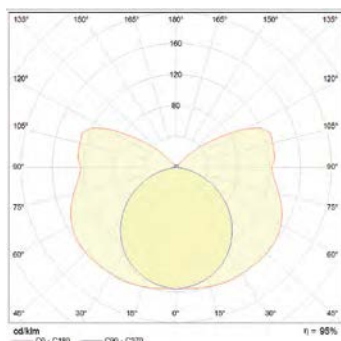
# 1.26

## MODELO M IP42



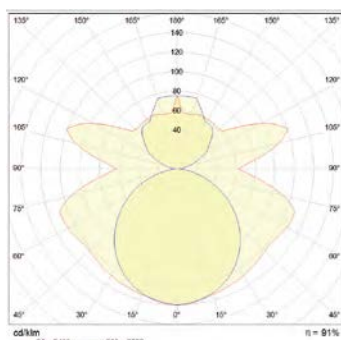
### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
M0025	18 W	■	624
M0041	18 W	●	624
M0026	36 W	■	1.233
M0042	36 W	●	1.233
M0027	58 W	■	1.534
M0043	58 W	●	1.534

### 2 TUBOS FLUORESCENTE / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
M0028	18 W	■	624
M0044	18 W	●	624
M0029	36 W	■	1.233
M0045	36 W	●	1.233
M0030	58 W	■	1.534
M0046	58 W	●	1.534

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

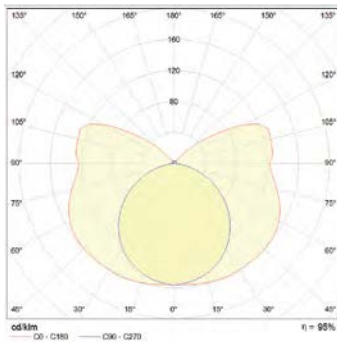


IP65

CE

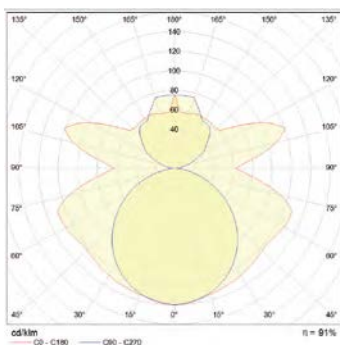
## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
M0604	14 W	■	589
M0619	14 W	●	589
M0605	21 W	■	889
M0620	21 W	●	889
M0603	28 W	■	1.189
M0621	28 W	●	1.189
M0602	35 W	■	1.489
M0622	35 W	●	1.489
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
M0606	24 W	■	589
M0623	24 W	●	589
M0607	39 W	■	889
M0624	39 W	●	889
M0601	49 W	■	1.489
M0625	49 W	●	1.489
M0608	54 W	■	1.189
M0626	54 W	●	1.189
M0609	80 W	■	1.489
M0627	80 W	●	1.489

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
M0610	14 W	■	589
M0628	14 W	●	589
M0611	21 W	■	889
M0629	21 W	●	889
M0612	28 W	■	1.189
M0630	28 W	●	1.189
M0613	35 W	■	1.489
M0631	35 W	●	1.489
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
M0614	24 W	■	589
M0632	24 W	●	589
M0615	39 W	■	889
M0633	39 W	●	889
M0616	49 W	■	1.489
M0634	49 W	●	1.489
M0617	54 W	■	1.189
M0635	54 W	●	1.189





■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

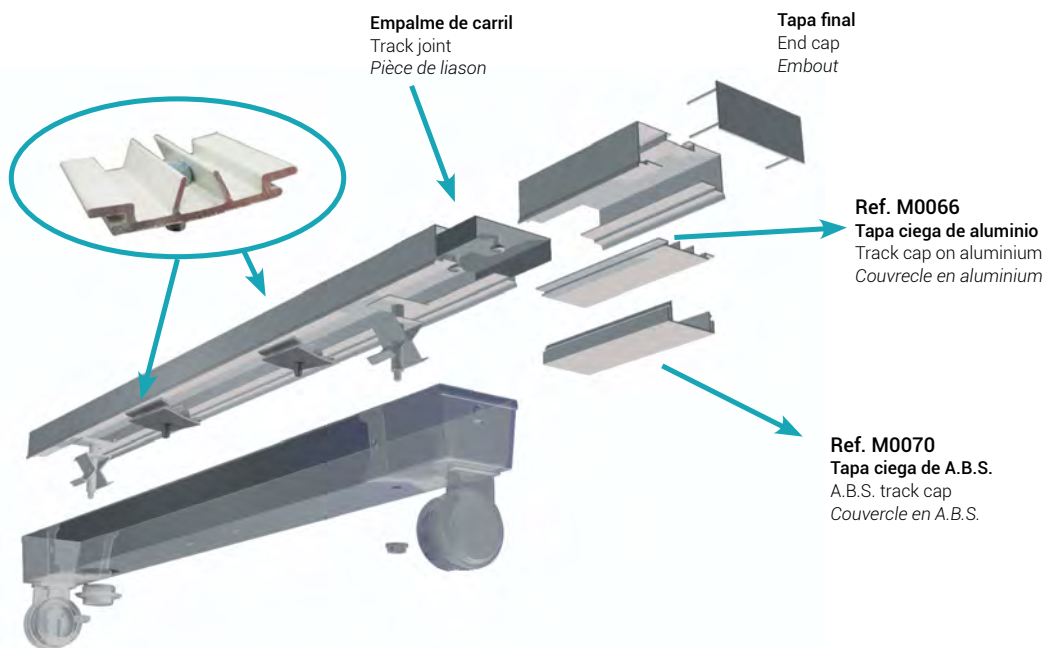
# 1.26

## MODELO M

### ACCESORIOS MODELO M / MODELO M ACCESORIES / ACCESSOIRES MODELO M

Carril Track Rail	Perfil Profile Profile	Carril Track Rail 3070 (mm) 2 X 58	Carril Track Rail 3700 (mm) 3 X 36	Tapa final End cap Embout	Empalme Track joint Pièce de liaison
		Ref.	Ref.	Ref.	Ref.
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		M0059	M0060	M0034	M0064
ALUMINIO / ALUMINIUM / ALUMINIUM 22,5 X 64 (mm)		M0061	M0062	M0065	M0064
ALUMINIO / ALUMINIUM / ALUMINIUM 26,5 X 64 (mm)		M0084	M0085	M0081	M0064
ALUMINIO / ALUMINIUM / ALUMINIUM 41,5 X 64 (mm)		M0086	M0087	M0082	M0083

Ref. M0063  
Sujeción a carril  
Fastener for track  
Fixation au RAIL



Ref.

M0191

Fijación carril a perfil techo desmontable  
Track fastener to removable ceiling profile  
Fixation de carril au profil du plafond démontable

M0031

Adaptador aro estanco Ø38 mm  
Watertight ring Ø38 mm  
Bague porte-douille étanche Ø38 mm

Tubo policarbonato / Polycarbonate  
tube / Tube de polycarbonate

	(W)	18	36	58
Ø26 Ref.	TP018	TP036	TP058	
Ø38 Ref.	TP020	TP040	TP065	





# 1. 27

## CUADRO DE APLICACIONES / APPLICATIONS CHART / TABLE

	Estancas Waterproof Étanches
<b>Accesos de pública concurrencia</b> Crowded public access <i>Accès publics à forte densité</i>	<b>PEGASO, TR4, COMPACT, TR1, RESIT, RINOX</b>
<b>Aeropuertos / estaciones de tren, metro</b> Airport / Railway station <i>Aéroports / stations de train, métro</i>	<b>THUNDER, PEGASO, SILVER, ORION, MUSTANG, TR2, TR3, TR4, RESIST, TR1</b>
<b>Aplicaciones que requieran un bloque autónomo de emergencia</b> Applications that require an autonomous emergency block and that for aesthetics <i>Établissements où un éclairage de sécurité est obligatoire</i>	<b>EMELUX LED</b>
<b>Estancias en litorales y zonas costeras</b> Stays in coastlines and coastal areas <i>Zones de côte et du littoral</i>	<b>THUNDER, SILVER, ORION, MUSTANG</b>
<b>Almacenes y áreas de carga y descarga</b> Loading and unloading warehouses <i>Zones de chargement et déchargement</i>	<b>THUNDER, SILVER, ORION, PISTON, MUSTANG</b>
<b>Aplicaciones navales</b> Naval applications <i>Applications nautiques</i>	<b>MUSTANG, TR2, RINOX, CHEMICAL, RESIST, TR1</b>
<b>Hoteles</b> Hotels <i>Hôtels</i>	<b>PEGASO</b>
<b>Terrazas y espacios de ocio abiertos</b> Terraces and leisure open spaces <i>Terrasses et espace loisirs</i>	<b>EXCALIBUR, TR4</b>
<b>Fachadas</b> Facades <i>Façades</i>	<b>EXCALIBUR, TR2, TR3, COMPACT, TR4, RESIST, RINOX</b>
<b>Mobiliario exterior</b> Outdoor furniture <i>Mobilier extérieur</i>	<b>EXCALIBUR</b>
<b>Garajes de edificios privados, comunidades de vecinos, cuartos de bomba</b> Private building garages, neighborhoods, pump rooms <i>Garages privés, syndicat de propriétaires, Chambre pour les pompes</i>	<b>PISTON, SUPRA</b>
<b>Grandes esculturas o monumentos históricos</b> Great sculptures or historic monuments <i>Grandes sculptures où monuments historiques</i>	<b>EXCALIBUR</b>
<b>Naves industriales y fábricas con producción en exterior</b> Industrial warehouses and factories with exterior production <i>Industrie et emplacements de fabrication en extérieur</i>	<b>THUNDER, SILVER, ORION, PISTON, MUSTANG, CHEMICAL, TR3, RINOX, RESIST, TR2</b>
<b>Oficinas y aulas</b> Offices and Classrooms <i>Bureaux et Salles de classe</i>	<b>PEGASO, TR1</b>



## BLEAU D'APPLICATIONS



**Luminaria personalizada tubular opal con  
módulos LED IP68-2 Meandro de Aranzadi,  
Pamplona, España**

Custom tubular opal luminaire with LED modules  
IP68-2 Aranzadi Meander, Pamplona, Spain  
*Luminaire creation sur mesure de tubulaire opale  
avec des modules LED IP68-2 Méandre d'Aranzadi,  
Pampelune, Espagne*

<b>Piscinas / SPA</b> Swimming pools / SPA <i>Piscines / SPA</i>	<b>THUNDER, SILVER, ORION, EXCALIBUR, MUSTANG, TR4, MODELO M, RESIST, COMPACT, RINOX</b>
<b>Puentes</b> Bridges <i>Ponts</i>	<b>EXCALIBUR, TR4, COMPACT</b>
<b>Zonas de especial riesgo de actos vandálicos</b> Areas with special risk of vandal acts <i>Zones spécialement exposés au vandalisme</i>	<b>MUSTANG</b>
<b>Zonas deportivas</b> Sport areas <i>Terrains de sport</i>	<b>THUNDER, PEGASO, SILVER, ORION, MUSTANG, TR3, TR1, RINOX, RESIST, TR4, TR2</b>
<b>Areas de alta temperatura</b> High temperature areas <i>Zones à haute température</i>	<b>TR2, RINOX, RESIST</b>
<b>Areas de baja temperatura</b> Low temperatures areas <i>Zones à basse température</i>	<b>TR3, ORION</b>
<b>Túneles</b> Tunnels <i>Tunnels</i>	<b>TUNNEL LED, TUNNEL</b>
<b>Hospitales</b> Hospitals <i>Hôpital</i>	<b>CHEMICAL, RANGE</b>
<b>Invernaderos y granjas</b> Greenhouses and farms <i>Serres et fermes</i>	<b>FARM LED, FARM</b>



### TR3

Residencia Estudiantes, Manresa, España. Luminaria TR3, por el arquitecto Xavier Tragant  
Student housing, Manresa, Spain. TR3 luminaire, by Xavier Tragant architect  
Foyer d' étudiants, Manresa, Espagne. TR3 luminaire, Xavier Tragant architecte





**TR3**

Residencia Estudiantes, Manresa, España. Luminaria TR3, por el arquitecto Xavier Tragant  
Student housing, Manresa, Spain. TR3 luminaire, by Xavier Tragant architect  
Foyer d'étudiants, Manresa, Espagne. TR3 luminaire, Xavier Tragant architecte









TR3  
Pull&Bear





TR3

Arquitectos: Arenas Basabe Palacios arquitectos  
Fotografía: Imagen Subliminal



**TR3**

Arquitectos: Arenas Basabe Palacios arquitectos  
Fotografía: Imagen Subliminal





**TR3 personalizada / TR3 custom made / TR3 creation sur mesure**

Estadio de Fútbol Nuevo San Mamés, Bilbao, España

New San Mamés Football Stadium, Bilbao, Spain

Nouveau Stade de Football de San Mamés, Bilbao, Espagne



**TR3 personalizada / TR3 custom made / TR3 creation sur mesure**

Estadio de Fútbol Nuevo San Mamés, Bilbao, España




































































New San Mamés Football Stadium, Bilbao, Spain

Nouveau Stade de Football de San Mamés, Bilbao, Espagne



**ATEX**  
EX/ ATEX



2.1		<b>PYROS LED</b> Zona 1,21 IP66 IK10 Módulo LED	   	/ 128
2.2		<b>PYROS BLOCK LED</b> Zona 1,21 IP66 IK07 Módulo LED	   	/ 132
2.3		<b>PYROS</b> Zona 1,21 IP66 IK10 Tubo LED/Fluorescente	   	/ 134
2.4		<b>VITRA LED</b> Zona 1,21 IP66 IK07 Módulo LED	   	/ 138
2.5		<b>VITRA</b> Zona 1,21 IP66 IK07 Tubo LED/Fluorescente	   	/ 140
2.6		<b>FLAME</b> Zona 1,21 IP68 IK10 Tubo Fluorescente	   	/ 144
2.7		<b>LED SECURE</b> Zona 2, 22 IP68 IK10 Módulo LED	    	/ 146
2.8		<b>SECURE BLOCK</b> Zona 2, 22 IP68 IK10 Módulo LED	   	/ 148
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2.12		<b>MINEX</b> Zona 1, 21 IP65	  	/ 160
2.13		<b>LUMEX</b> Zona 1, 21 IP65	    	/ 162
2.14		<b>TAURUS</b> Zona 1, 21 IP65	  	/ 164
2.15		<b>MARCADO ATEX - CUADRO DE APLICACIONES</b> EX MARKINGS - APPLICATIONS CHART MARQUAGE ATEX - TABLEAU D'APPLICANTIONS		/ 166

# 2.1

## PYROS LED



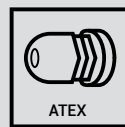
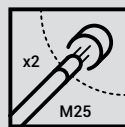
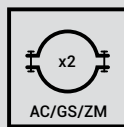
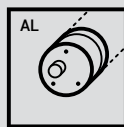
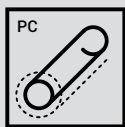
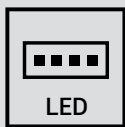
+ **Brida**  
Clamp  
Collier



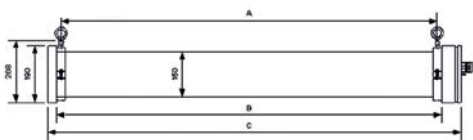
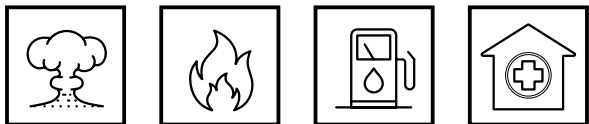
+ **Tapón EEx d**  
Plug EEx d  
Bouchon EEx d



+ **Prensaestopa EEx d**  
Cablegland EEx d  
Presse-étoupe EEx d



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR  
<19

CR>80

L70B50  
>  
50.000

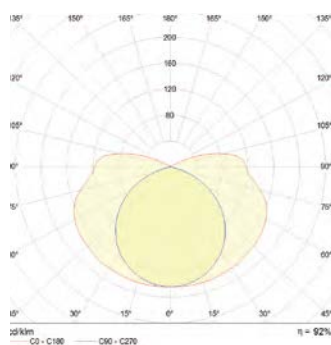
IP66  
IK10

CE  
EN 60598-1

94/9/CE



II2GD  
Ex d 2B+H2 T6 Gb  
Ex tb IIIC T85°C Db



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(°K)	(mm)	(mm)	(mm)	
PY113	600	14	2150	4000	748	150	208	1
PY123	600	28	4300	4000	748	150	208	1
PY213	1200	28	4300	4000	1357	150	208	1
PY223	1200	55	8600	4000	1357	150	208	1
PY313	1500	35	5370	4000	1659	150	208	1
PY323	1500	70	10740	4000	1659	150	208	1

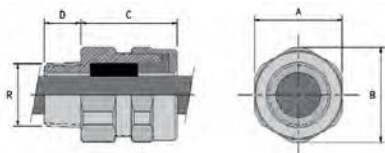


**ACCESORIOS PYROS LED / PYROS LED ACCESORIES / ACCESSOIRES PYROS LED**



**PRENSAESTOPA CABLE ARMADO / ARMED CABLEGLAND EEX / PRESSE-ÉTOUPE ARMÉ EEX**

Ref.	Tamaño de rosca (R) Thread size Taille du filet (R)				Dimensiones Dimensions Dimensions				Ø Exterior Ø Overall Ø Extérieure		Tipo Type Tipo
	Métrica Metrics Métrique	PG.	NPT	Gas cónica Gas conic Gaz conique	A	B	C	D	Min.	Max.	
<b>EX507</b>	M25x1,5	16 21	3/4" 1"	3/4" 1"	35	39	42	15	12	14	a



**Ex** II 2 GD EEx d IIC T6

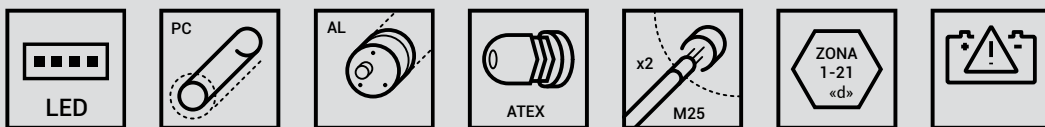
1-10  
DALI

**EMERGENCY**  
1h / 3h

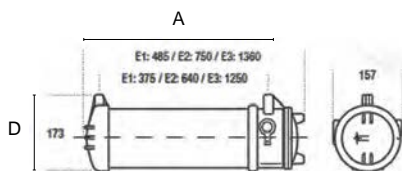
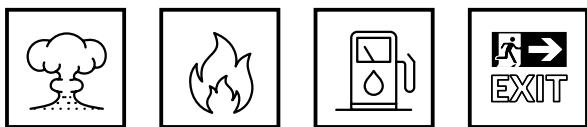


# 2.2

## PYROS BLOCK LED



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





RG1

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>  
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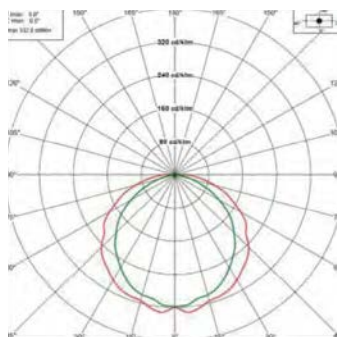
IP66  
IK07

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EN 60598-1

2014/34/EU



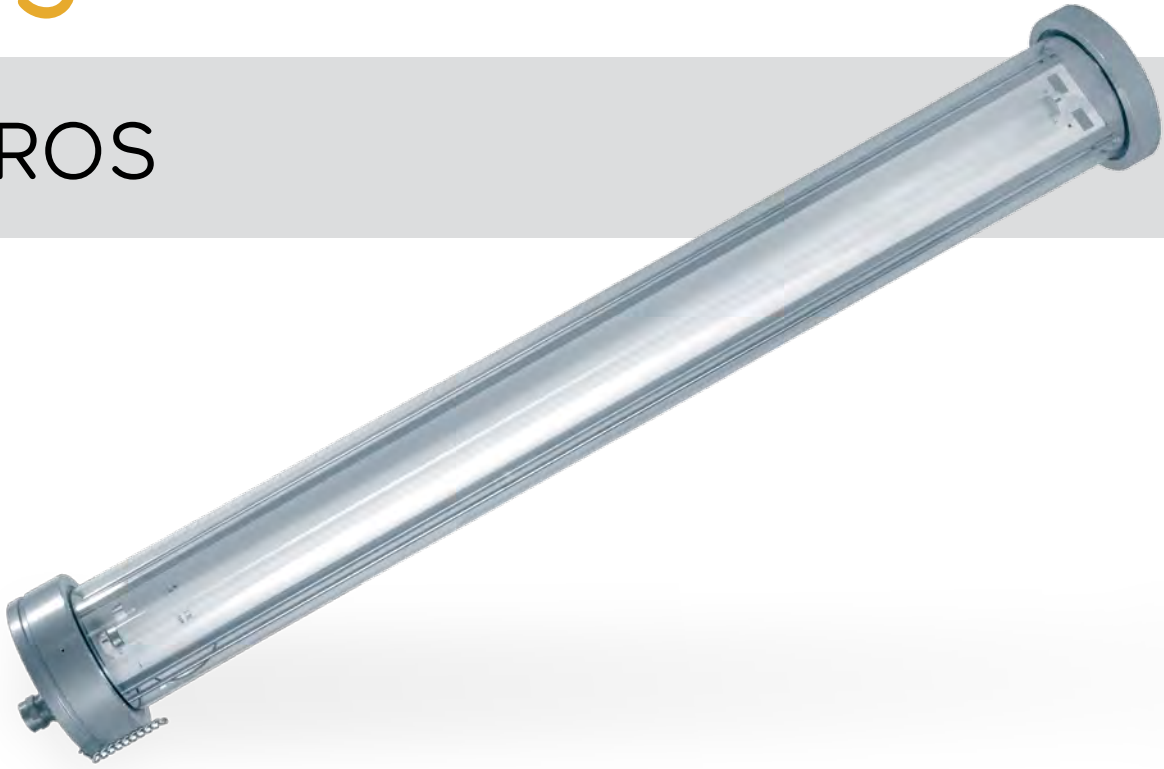
II 2GD Ex d IIB+H2  
T6 Gb  
Ex tb IIIC T85°C Db



Ref.	Fuente de luz Light source Source de lumière	Autonomía Battery life Autonomie	Manteined Non Manteined	A	D	Embalaje Packaging Emballage
	(W)			(mm)	(mm)	
EXZ10	350	1H	NM	485	173	1
EXZ11	2100 / 750	1H	M / NM	485	173	1
EXZ12	750	1H	NM	750	173	1
EXZ13	4600 / 750	1H	M / NM	750	173	1
EXZ14	4600 / 750	1H	M / NM	1360	173	1
EXZ15	350	3H	NM	485	173	1
EXZ16	750	3H	NM	485	173	1
EXZ17	750	3H	NM	1360	173	1
EXZ18	4600 / 750	3H	M / NM	750	173	1
EXZ19	4600 / 750	3H	M / NM	1360	173	1

# 2.3

## PYROS



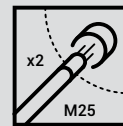
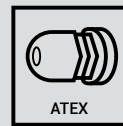
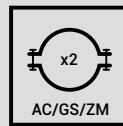
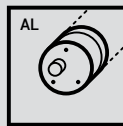
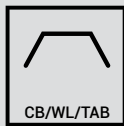
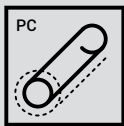
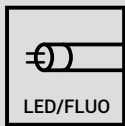
+ **Brida**  
Clamp  
Collier



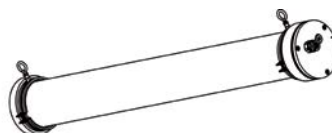
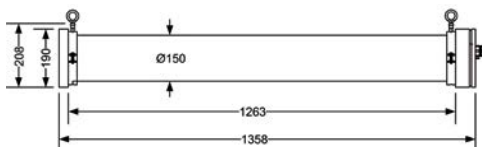
+ **Tapón EEx d**  
Plug EEx d  
Bouchon EEx d



+ **Prensaestopa EEx d**  
Cablegland EEx d  
Presse-étoupe EEx d



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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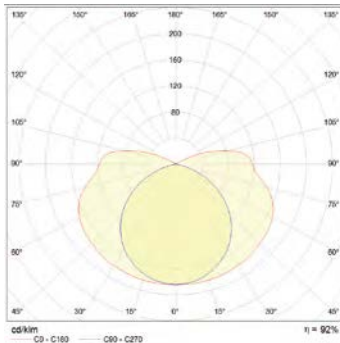


II2GD  
Ex d IIB+ 2M t6 GB  
Ex tb IIC T85°C Db



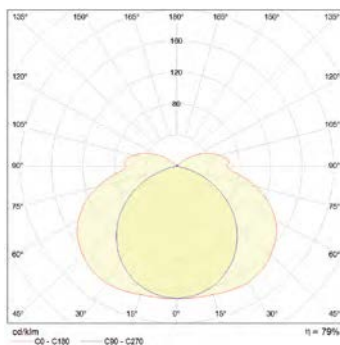
## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
EX005	18	■	748
EX007	18	●	748
EX001	36	■	1.357
EX003	36	●	1.357
EX009	58	■	1.659
EX011	58	●	1.659

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
EX006	18 W	■	748
EX008	18 W	●	748
EX002	36 W	■	1.357
EX004	36 W	●	1.357
EX010	58 W	■	1.659
EX012	58 W	●	1.659



# 2.3

## PYROS

### 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

G13/T8

Ref.	Longitud tubo	Longitud luminaria	Peso
	Tube length	Fitting length	Weight
	Longueur tube	Longueur luminaire	Poids
	(mm)	(mm)	(Kg)
EX005L	600	748	9,7
EX001L	1.200	1.357	11,5
EX009L	1.500	1.659	12,3

### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

G13/T8

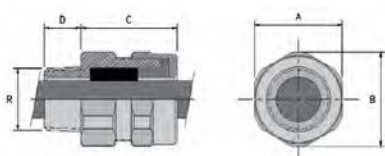
Ref.	Longitud tubo	Longitud luminaria	Peso
	Tube length	Fitting length	Weight
	Longueur tube	Longueur luminaire	Poids
	(mm)	(mm)	(Kg)
EX006L	600	748	9,7
EX002L	1.200	1.357	11,5
EX010L	1.500	1.659	12,3

### ACCESORIOS PYROS / PYROS ACCESORIES / ACCESSOIRES PYROS

#### PRENSAESTOPA CABLE ARMADO / ARMED CABLEGLAND EEX / PRESSE-ÉTOUPE ARMÉ EEX



Ref.	Tamaño de rosca (R)				Dimensiones				Ø Exterior		
	Thread size		Taille du filet (R)		Dimensions				Ø Overall		Ø Extérieur
	Métrica	PG.	NPT	Gas cónica	A	B	C	D	Min.	Max.	Typo
	Metrics			Gas conic							Typo
	Métrique			Gaz conique							Typo
EX507	M25x1,5	16 21	3/4" 1"	3/4" 1"	35	39	42	15	12	14	a



Ex II 2 GD EEx d IIC T6

1-10  
DALI

EMERGENCY  
1h / 3h



IP66

IK10

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EN 60598-1

2014/34/EU

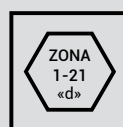
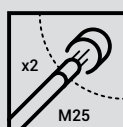
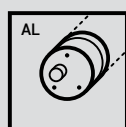
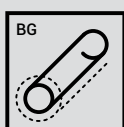
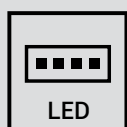


II2GD  
Ex d IIB+ 2M 16 GB  
Ex tb IIC T85°C Db

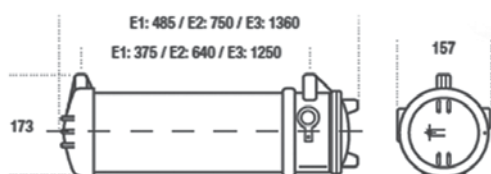
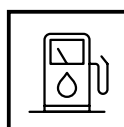


# 2.4

## VITRA LED



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM  
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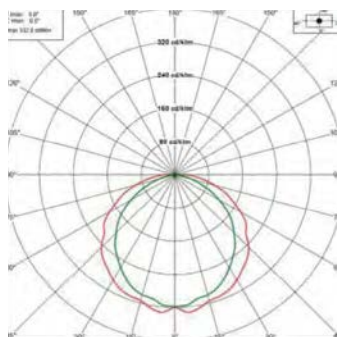
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L70B50  
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50.000

IP66  
IK07

CE  
EN 60598-1

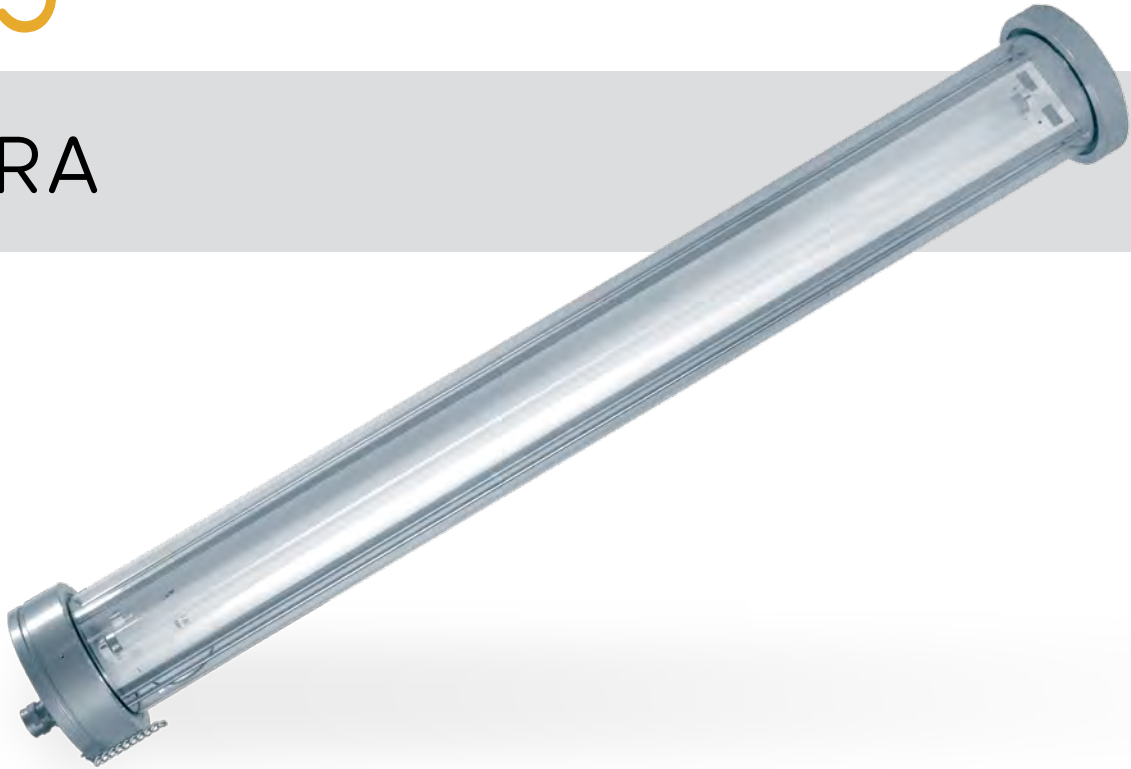
2014/34/EU  
EX  
II 2GD Ex db IIC  
T6 Gb / Ex tb IIIC  
T85 Db.



Ref.	Tamaño (W)	Emisión luminica	Largo (Kg)	Ancho (mm)	Embalaje Packaging Emballage
EXZ05	485	1275	485	173	1
EXZ06	485	2400	750	173	1
EXZ07	750	2550	750	173	1
EXZ08	750	4800	750	173	1
EXZ09	1360	4800	1360	173	1
EXZ12	1360	5500	1360	173	1

# 2.5

## VITRA



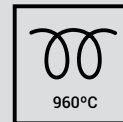
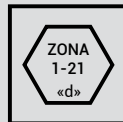
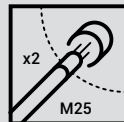
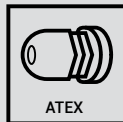
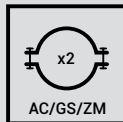
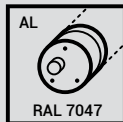
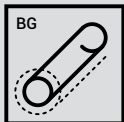
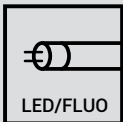
+ **Brida**  
Clamp  
Collier



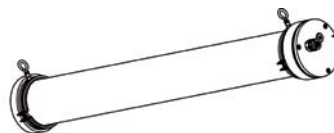
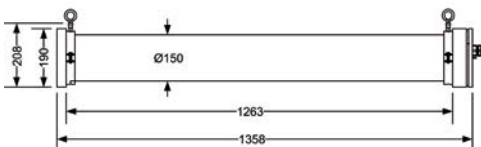
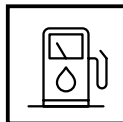
+ **Tapón EEx d**  
Plug EEx d  
Bouchon EEx d



+ **Prensaestopa EEx d**  
Cablegland EEx d  
Presse-étoupe EEx d



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

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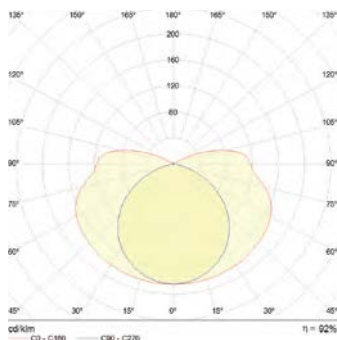


II2GD  
Ex d IIB+ 2M t6 GB  
Ex tb IIC T85°C Db



## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8

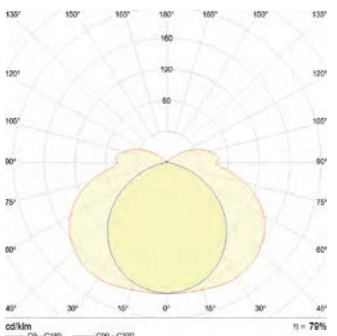


### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Lenght Longueur
	(W)		(mm)
EX201	18	■	748
EX202	18	●	748
EX203	36	■	1.357
EX204	36	●	1.357

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Lenght Longueur
	(W)		(mm)
EX205	18	■	748
EX206	18	●	748
EX207	36	■	1.357
EX208	36	●	1.357

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

## 1 TUBO LED / 1 LED TUBE / 1 TUBE LED

Ref.	Longitud tubo Tube lenght Longueur tube	Longitud luminaria Fitting lenght Longueur luminaire	Peso Weight Poids
	(mm)	(mm)	(Kg)
EX201L	600	748	9,7
EX203L	1.200	1.357	11,5



# 2.5

## VITRA

### 2 TUBOS LED / 2 LED TUBES / 2 TUBES LED

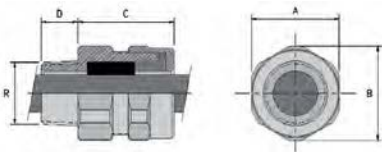
Ref.	Longitud tubo	Longitud luminaria	Peso
	Tube length	Fitting length	Weight
	Longueur tube	Longueur lumineaire	Poids
	(mm)	(mm)	(Kg)
EX205L	600	748	9,7
EX207L	1.200	1.357	11,5

### ACCESORIOS VITRA / VITRA ACCESORIES / ACCESSOIRES VITRA



#### PRENSAESTOPA CABLE ARMADO / ARMED CABLEGLAND EEX / PRESSE-ÉTOUPE ARMÉ EEX

Ref.	Tamaño de rosca (R)			Gas cónica	Dimensiones				Ø Exterior		
	Thread size				Dimensions				Ø Overall		
	Métrica	PG.	NPT	Gas cónica	A	B	C	D	Min.	Max.	Tipo
	Metrics			Gaz							Type
	Métrique			Gaz conique							Typo
EX507	M25x1,5	16 21	3/4" 1"	3/4" 1"	35	39	42	15	12	14	a



Ex II 2 GD EEx d IIC T6

1-10  
DALI

EMERGENCY  
1h / 3h



  
  
 DIESEL  
 GASOLEO A 1.12  
 DIESEL  
 PREMIER 1.22  
 GASOLINA  
 95 1.33  
 GASOLINA  
 98 1.33  
 GASOLEO B 0.83  
 SOMAFIC  
 24h

**ESTACION DE SEALICID**  
 EXTRAJE EL PUEBLO QUE SE ASOMA A LA HOZ

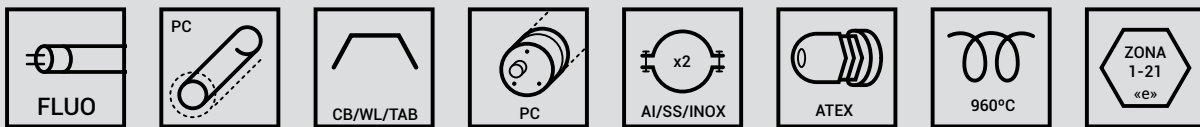
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 DIESEL  
 DIESEL

# 2.6

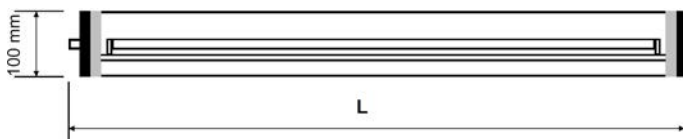
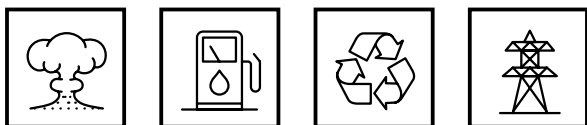
## FLAME



+ Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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IK10

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EN 60598-1

94/9/CE

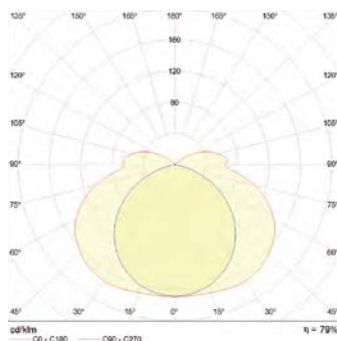


II 2GD  
Ex e mb IIC T4 Gb  
Ex tb IIC T85°C Db  
(T95°C para 58W)



**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP**

G13/T8

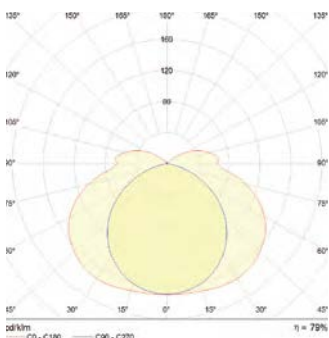


**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP**

Ref.	Potencia Watts Puissance (w)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
EX301	18	■	775
EX302	36	■	1.385
EX303	58	■	1.685

**2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES**

G13/T8

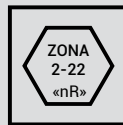
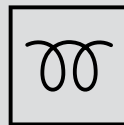
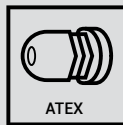
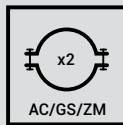
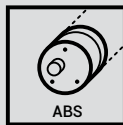
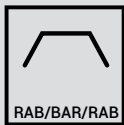
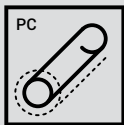
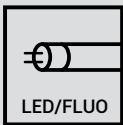


Ref.	Potencia Watts Puissance (w)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
EX304	18	■	775
EX305	36	■	1.385
EX306	58	■	1.685

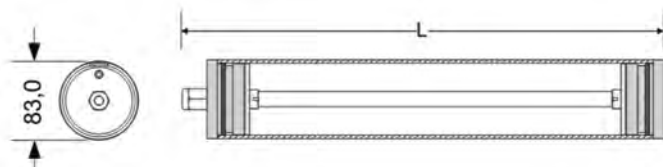
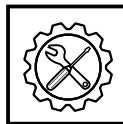
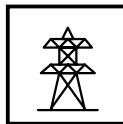
■ Electrónica / Electronic / Électronique

# 2.7

## LED SECURE



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR  
<19

CR > 80

L70B50  
>  
50.000

IP68-2  
IK10

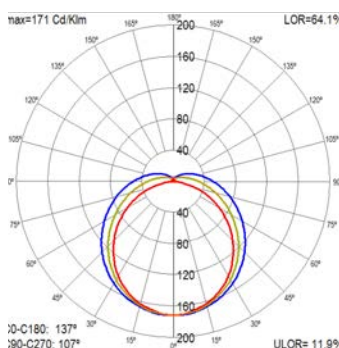
CE

EN 60598-1

94/9/CE



II 3GD  
Ex nR II C T6 Gc  
Ex t IIIC T85°C Dc

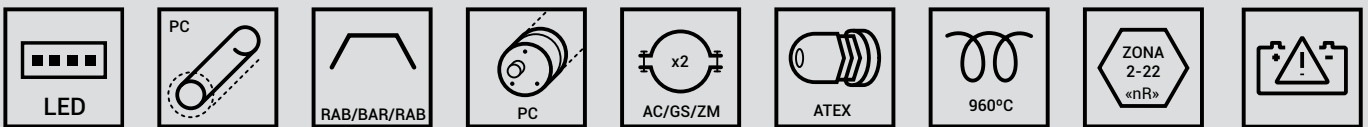


Ref.	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
LS113	13	1490	997	3000	727	83	133	1
LS114	13	1550	1037	4000	727	83	133	1
LS123	16	2560	1712	3000	727	83	133	1
LS124	16	2670	1786	4000	727	83	133	1
LS213	24	2980	1993	3000	1337	83	133	1
LS214	24	3200	2140	4000	1337	83	133	1
LS223	32	5120	3424	3000	1337	83	133	1
LS224	32	5340	3571	4000	1337	83	133	1
LS313	29	3720	2488	3000	1637	83	133	1
LS314	29	4000	2675	4000	1637	83	133	1
LS323	40	6310	4220	3000	1637	83	133	1
LS324	40	6700	4481	4000	1637	83	133	1

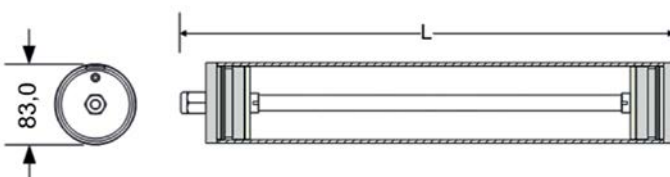
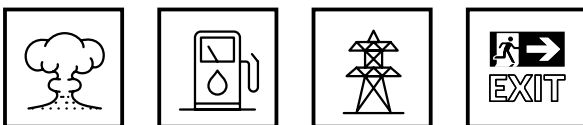


# 2.8

## SECURE BLOCK



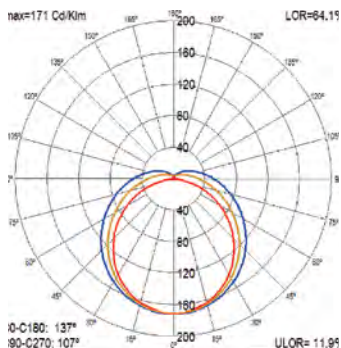
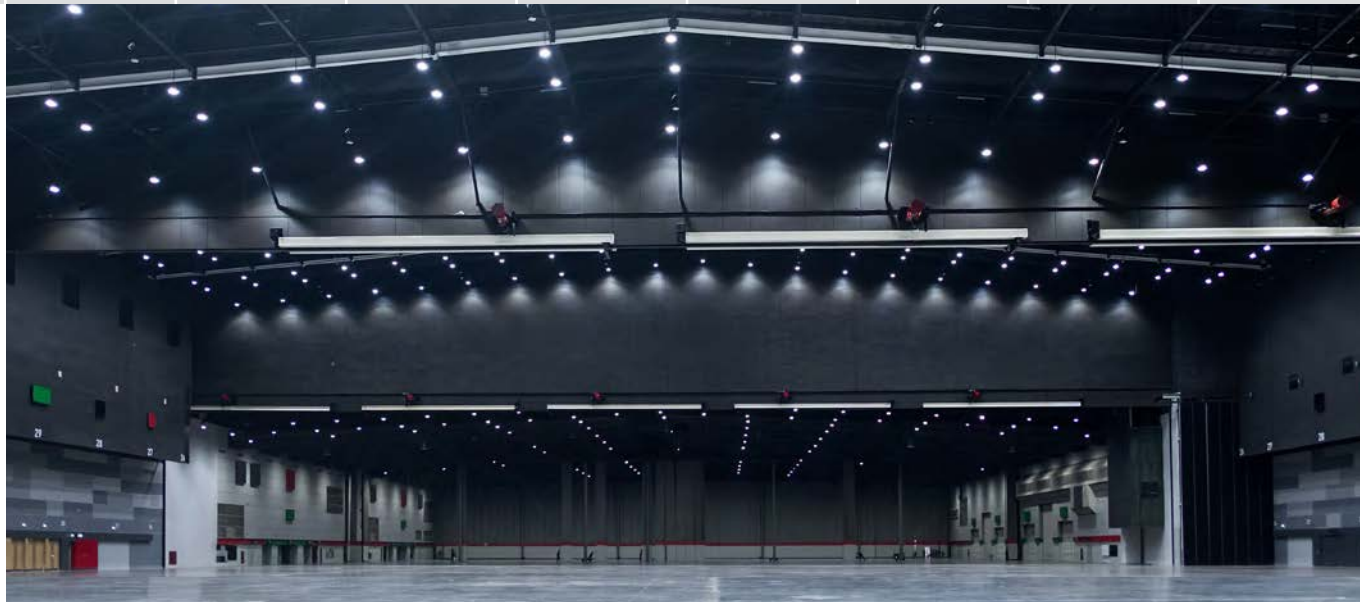
**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1	MACADAM 3/4	UGR <19	L70B50 > 50.000	IP68-2	IK10	CE EN 60598-1	2014/34/EU Ex II Ex II 3GD Ex nR IIC T6 Gc Zone 22: Ex t IIIC T85 °C Dc.
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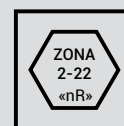
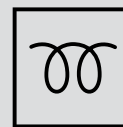
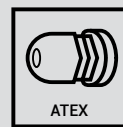
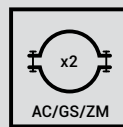
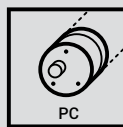
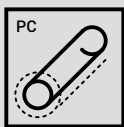
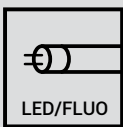
Ref.	Emisión Output Flux	Vida autónoma Autonomy Autonomie	Tª color Tª colour Tª couleur (K°)	L (mm)	D (mm)	Embalaje Packaging Emballage (uds)
EXSE1	100 lm	3 hrs	5500	415	81	1
EXSB2	200 lm	90 min	5500	415	81	1
EXSB3	300 lm	60 min	5500	415	81	1

# 2.9

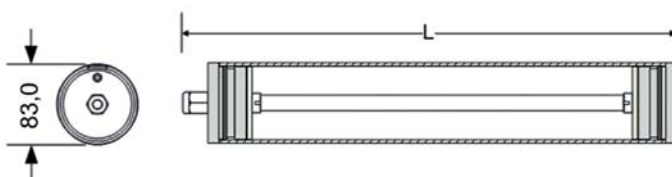
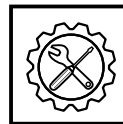
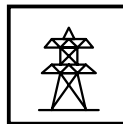
## SECURE



Brida  
Clamp  
Collier



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP68-2

IK10

CE

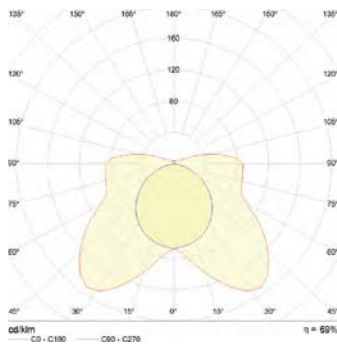
EN 60598-1

94/9/CE


 II 3GD  
 Ex nR II C T6 Gc  
 Ex t IIIC T85°C Dc


## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8

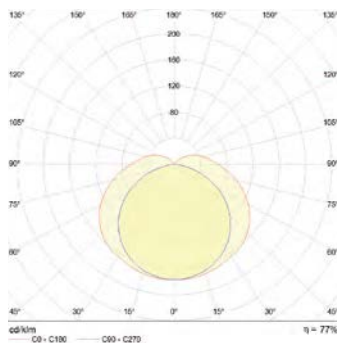


### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Lenght Longueur
	(W)		(mm)
EX601	18	■	709
EX602	36	■	1.319
EX603	58	■	1.624

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Lenght Longueur
	(W)		(mm)
EX612	18	■	709
EX613	36	■	1.319
EX614	58	■	1.624

■ Electrónica / Electronic / Électronique

# 2.9

## SECURE

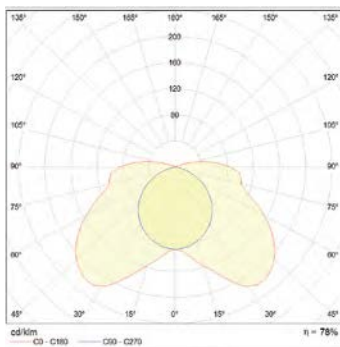


Brida  
Clamp  
Collier



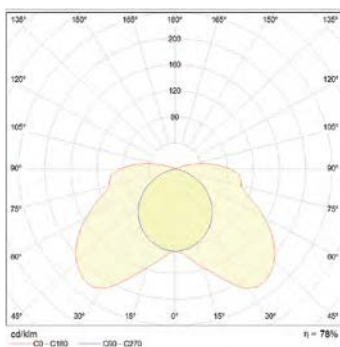
### 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
EX604	14 W	■	671
EX605	21 W	■	966
EX606	28 W	■	1.272
EX607	35 W	■	1.574
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
EX608	24 W	■	671
EX609	39 W	■	966
EX610	49 W	■	1.272
EX611	54 W	■	1.574



### 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
EX615	14 W	■	671
EX616	21 W	■	966
EX617	28 W	■	1.272
EX618	35 W	■	1.574
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
EX619	24	■	671
EX620	39	■	966
EX621	49	■	1.272
EX622	54	■	1.574

■ Electrónica / Electronic / Électronique



RG1	MACADAM 3/4	UGR <19	 CR>80	L70B50 > 50.000	IP68-2 IK10	CE EN 60598-1	94/9/CE  II 2GD Ex e mb IIC T4 Gb Ex tb IIC T85°C Db (T95°C para 58W)
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**1 TUBO LED / 1 LED TUBE / 1 TUBE LED**

G13/T8

Ref.	Longitud tubo	Longitud luminaria
	Tube lenght Longueur tube	Fitting lenght Longueur lumineaire
	(mm)	(mm)
EX601L	600	748
EX602L	1.200	1.357
EX603L	1.500	1.659

**2 TUBOS LED / 2 LED TUBES / 2 TUBES LED**

G13/T8

Ref.	Longitud tubo	Longitud luminaria
	Tube lenght Longueur tube	Fitting lenght Longueur lumineaire
	(mm)	(mm)
EX612L	600	748
EX613L	1.200	1.357
EX614L	1.500	1.659



IT - DE

**ACCESORIOS SECURE/ SECURE**  
ACCESORIES / ACCESSOIRES  
SECURE



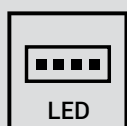
Ref. EX623

**Bridas en plástico antiestático (2 uds.)**  
Antistatic plastic clamps (2 units)  
Colliers en plastique antistatique (2 uts.)

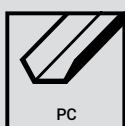


# 2.10

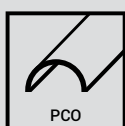
## WATEX



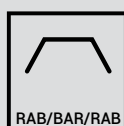
LED



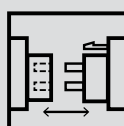
PC



PCO

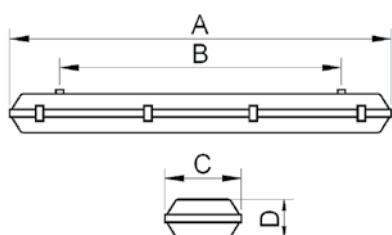
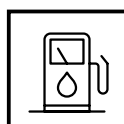
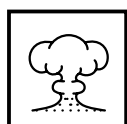


RAB/BAR/RAB



ZONA  
2-22  
«nR»

**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK07

CE

EN 60598-1

94/9/CE

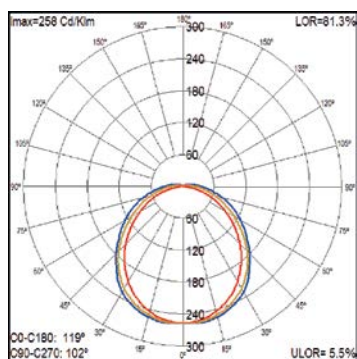


Zona 2: II 3GD Ex  
nR IIC T5 Gc  
Zona 22: Ex t IIC  
T100 °C Dc.



1 MODULO LED / 1 LED MODULE / MODULE LED

G13/T8



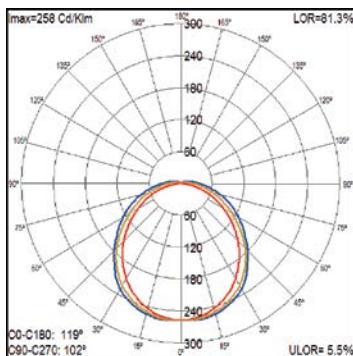
Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
EW113	600	13	1490	1210	3000	664	260	100	110
EW114	600	13	1550	1259	4000	664	260	100	110
EW123	600	16	2560	2079	3000	664	260	100	110
EW124	600	16	2670	2168	4000	664	260	100	110
EW213	1200	24	2980	2420	3000	1274	870	100	110
EW214	1200	24	3200	2598	4000	1274	870	100	110
EW223	1200	32	5120	4157	3000	1274	870	100	110
EW224	1200	32	5340	4336	4000	1274	870	100	110
EW313	1500	29	3720	3021	3000	1575	650	100	110
EW314	1500	29	4000	3248	4000	1575	650	100	110
EW323	1500	40	6310	5124	3000	1575	650	100	110
EW324	1500	40	6700	5440	4000	1575	650	100	110

# 2.10

## WATEX

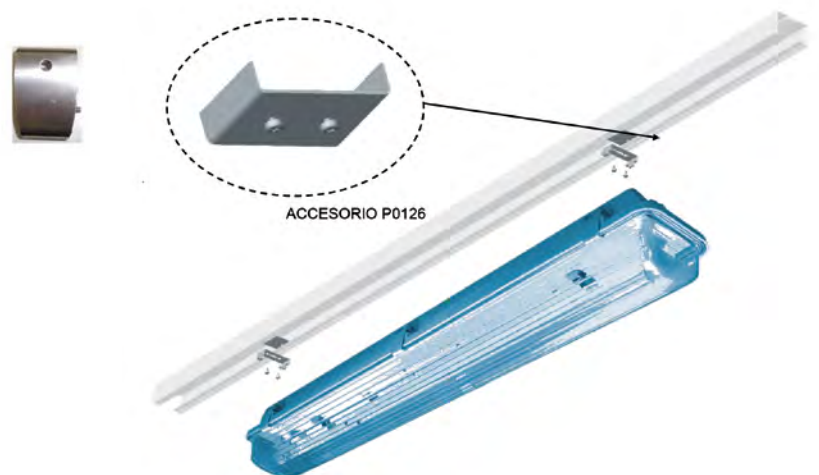
2 MODULOS LED / 2 LED MODULES / 2 MODULES LED

G13/T8



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta	Emisión neta	Tª color Tª colour Tª couleur	A	B	C	D
			Gross output Flux de la source	Net output Flux sortant					
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
EY113	600	24	2980	2420	3000	664	260	160	110
EY114	600	24	3200	2598	4000	664	260	160	110
EY123	600	32	5120	4157	3000	664	260	160	110
EY124	600	32	5340	4336	4000	664	260	160	110
EY213	1200	48	5960	4840	3000	1274	870	160	110
EY214	1200	48	6400	5197	4000	1274	870	160	110
EY223	1200	64	10240	8315	3000	1274	870	160	110
EY224	1200	64	10680	8672	4000	1274	870	160	110
EY313	1500	58	7440	6041	3000	1575	650	160	110
EY314	1500	58	8000	6496	4000	1575	650	160	110
EW323	1500	80	12620	10247	3000	1575	650	160	110
EW324	1500	80	13400	10881	4000	1575	650	160	110

### ACCESORIOS WATEX / WATEX ACCESSORIES / ACCESSOIRES WATEX



1-10  
DALI

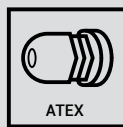
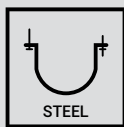
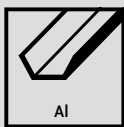
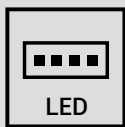
EMERGENCY  
1h / 3h



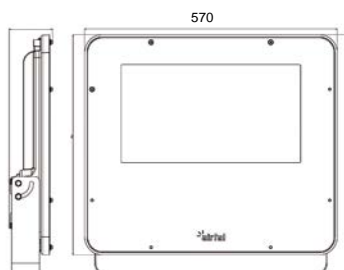
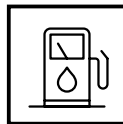


# 2.11

## PROYECTOR ATEX LED MAX



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK07

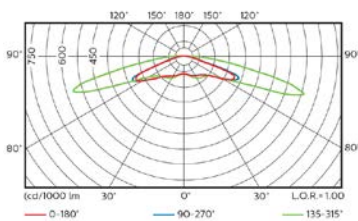
CE

EN 60598-1

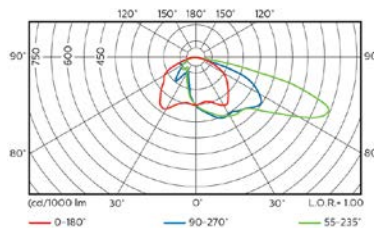
2014/34/EU


 II 3GD Ex nR IIc  
 T5 Gc  
 Ex tc IIIC 100°C Dc

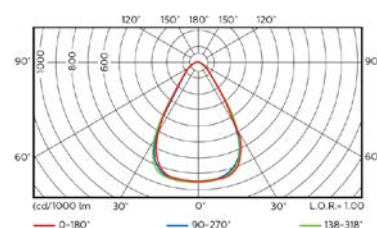

Ref.	Nº De Módulos	Potencia	Equiv HM	Emisión bruta	Tª color	Tamaño	Ancho	Embalaje
		Power Puissance	Equiv MH Equiv HM	Gross output Flux de la source	Tª colour Tª couleur	Size Dimension	Wide Large	Packaging Emballage
		(W)	(W)					
PA104	2	48	70	6700	4000	570 x 496	98	1
PA204	4	97	150	13400	4000	570 x 496	98	1
PA304	6	146	250	20100	4000	570 x 496	98	1
PA404	8	194	400	26800	4000	570 x 496	98	1



Ref. +A



Ref. +B



Ref. +C

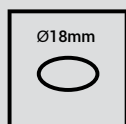
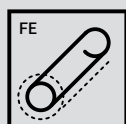
## ACCESORIOS PROYECTOR ATEX LED MAX / PROYECTOR ATEX LED MAX ACCESORIES / ACCESSOIRES PROYECTOR ATEX LED MAX

1-10 DALI	EMERGENCY 1h / 3h
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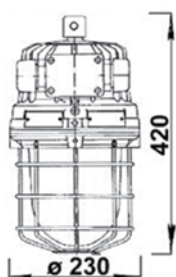
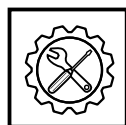


# 2.12

## MINEX



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP65

IK08

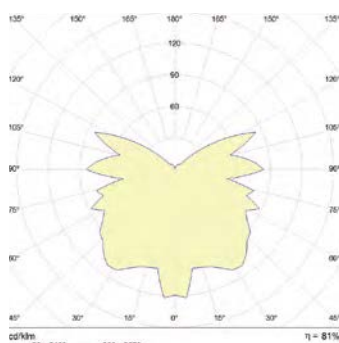
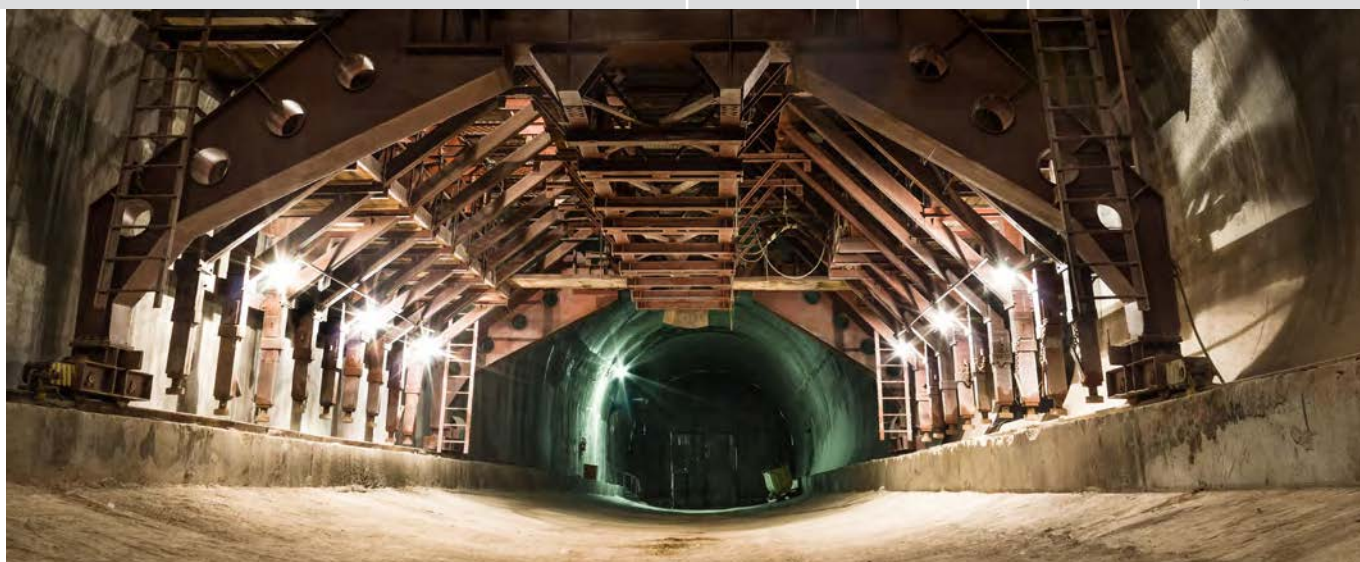
CE

EN 60598-1

94/9/CE



I M2 Ex d I II 2GD  
Ex d tD A IIB T4-  
T6; II 2D Ex t IIIC  
T Db



Ref.	Fuente de luz Light source Type de source	Clase temperatura Temperature classe Classe de température	Peso Weight Poids (Kg)
EX101	Incandescent 200 W E27	T4	18
	Incandescent 150 W E27	T5	
	Incandescent 60-100 W E27	T6	
	Compact 23 W E27	T6	
	Luz mezcla / Mixed-light / Lampe mixte 160 W E27	T5	
	Incandescent 100 W E27	T5	
EX102	V. de Sodio / Sodium 50 W E27	T4	19
EX103	V. de Sodio / Sodium 110 W E27	T4	19
EX105	Compact TC-D (G24d-3)	T6	19,5

## ACCESORIOS MINEX/ MINEX ACCESORIES / ACCESSOIRES MINEX

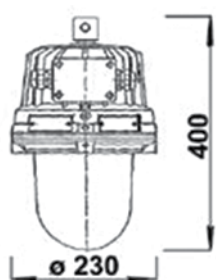
Ref.	
EX106	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX107	Vidrio de repuesto / Flange with glass / Verre de remplacement
EX108	Campana reflectora / Lampshare / Réflecteur
EX109	Sujeción a techo / Holder for immovable fixing to ceiling / Fixation au plafond
EX110	Tapón ciego / Antivandalic polycarbonate / Embout
EX111	Filtro rojo / Optical red insert / Filtre rouge
EX113	Filtro verde / Optical green insert / Filtre vert
EX114	Vidrio con reflector (maximo 60 W) / Optical clear with refractor for signalling purposes / Verre avec réflecteur (maximum 60 W)
EX115	Brida prensaestopas para cables Ø 16-20 mm / Flange cable grand / Presse-étoupe pour câbles de Ø 16-20 mm.

# 2.13

## LUMEX



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





IP65

CE

EN 60598-1

94/9/CE



II 2GD Ex de tD IIC  
T3-T6.



Ref.	Fuente de luz Light source Type de source	Clase temperatura Temperature classe Classe de température	Peso Weight Poids (Kg)
EX116	Incandescent 200 W E27	T4	8
	Incandescent 150 W E27	T4	
	Incandescent 60-100 W E27	T5	
	Luz mezcla / Mixed-light / Lampe mixte 160 W E27	T4	
EX117	V. de Sodio / Sodium 50 W E27	T4	8
EX118	V. de Sodio / Sodium 110 W E27	T3	9
EX119	Compact TC-D (G24d-3)	T6	9

## ACCESORIOS LUMEX/ LUMEX ACCESORIES / ACCESSOIRES LUMEX

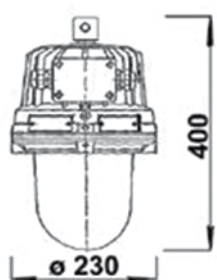
Ref.	
EX106	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX120	Vidrio de repuesto / Flange with glass / Verre de remplacement
EX108	Campana reflectora / Lampshare / Réflecteur
EX109	Sujeción a techo / Holder for immovable fixing to ceiling / Fixation au plafond
EX121	Tapón ciego / Antivandalic polycarbonate / Embout
EX122	Tapón roscado / Blinding screw / Embout fileté
EX111	Filtro rojo / Optical red insert / Filtre rouge
EX113	Filtro verde / Optical green insert / Filtre vert
EX114	Vidrio con reflector (maximo 60 W) / Optical clear with refractor for signalling purposes / Verre avec réflecteur (maximum 60 W)
EX115	Brida prensaestopas para cables Ø 16-20 mm / Flange cable grand / Presse-étoupe pour câbles de Ø 16-20 mm.

# 2.14

## TAURUS



**APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES**



IT - DE



IP65

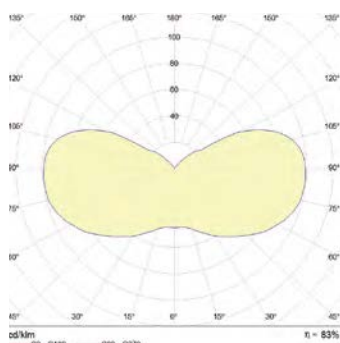
CE

94/9/CE



EN 60598-1

II 2GD  
Ex de tD IIC T2-T6



Ref.	Fuente de luz Light source Type de source	Clase temperatura Temperature classe Classe de température	Peso Weight Poids (Kg)
EX131	V. de Sodio / Sodium 210 W E40	T4	26
EX132	V. de Sodio / Sodium 350 W E40	T2	27
EX133	H. Metalicos / Metal Halide 250 W E40	T3	26
	V. de Sodio / Sodium 250 W E40	T3	26
EX134	V. de Sodio / Sodium 400 W E40	T2	27
EX135	H. Metalicos / Metal Halide 400 W E40	T2	27
EX136	H. Metalicos / Metal Halide 150 W E40	T5	25
	V. de Sodio / Sodium 150 W E40	T5	25

### ACCESORIOS LUMEX/ LUMEX ACCESORIES / ACCESSOIRES LUMEX




Ref.	
EX137	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX138	Vidrio de puesto / Flange with glass / Verre de remplacement
EX139	Campana reflectora / Lampshare / Réflecteur
EX121	Tapón ciego / Antivandalic polycarbonate / Embout
EX122	Tapón roscado / Blinding screw / Embout fileté
EX140	Llave de apertura de luminaria / Wrench M 205 x 2 type / Clé d'ouverture du luminaire



# 2.15

## MARCADO ATEX / EX MARKINGS / MARQUAGE ATEX

	<b>Categoría de aparatos</b> Fixture category <i>Catégorie des appareils</i>	<b>Ex</b>	<b>Modo de protección</b> Protection mode <i>Mode de protection</i> <b>d</b>	<b>Grupo de gases</b> Gases group <i>Groupe de gaz</i> <b>IIC</b>	<b>Clase de temperatura</b> Temperature class <i>Classe de température</i> <b>T6</b>	<b>Protección gases</b> Gases protection <i>Protection aux gaz</i> <b>Gb</b>
	<b>II 2 GD</b>	<b>Ex</b>	<b>Modo de protección</b> Protection mode <i>Mode de protection</i> <b>t</b>	<b>Grupo de polvos</b> Dusts group <i>Groupe de poussières</i> <b>IIIC</b>	<b>Clase de temperatura</b> Temperature class <i>Classe de température</i> <b>T85° C</b>	<b>Protección polvo</b> Dust protectio <i>Protection aux poussières</i> <b>Db</b>

### CLASIFICACIÓN DE LAS ZONAS ATEX / EX ZONE CLASSIFICATION / CLASSIFICATION DES ZONES ATEX

#### Aparatos del Grupo II: Industrias de superficie

Group II Fixtures: Above ground industries

*Appareils du Groupe II: Industrie de surface*

Zona Zone <i>Zone</i>	Categoría Category <i>Catégorie</i>	Presencia de ambientes explosivos Explosive environment presence <i>Présence d'ambiance explosive</i>
Zona / Zone / Zone 0 Zona / Zone / Zone 20	<b>1G (gases y vapores / gases &amp; vapors / gaz et vapeurs)</b> <b>1D (polvos / dusts / poussières)</b>	<b>Constante, permanente</b> Constant, permanent <i>Permanet, constant</i>
Zona / Zone / Zone 1 Zona / Zone / Zone 21	<b>2G (gases y vapores / gases &amp; vapors / gaz et vapeurs)</b> <b>2D (polvos / dusts / poussières)</b>	<b>Ocasional, frecuente</b> Occasional, frequent <i>Fréquent, occasionnel</i>
Zona / Zone / Zone 2 Zona / Zone / Zone 22	<b>3G (gases y vapores / gases &amp; vapors / gaz et vapeurs)</b> <b>3D (polvos / dusts / poussières)</b>	<b>Nunca en servicio normal, solo durante breves periodos de tiempo</b> Never in a normal service, only for short periods of time <i>Jamais pour un service normal, unique ment durant des brèves périodes</i>

#### Aparatos del Grupo I: Minas con Grisú

Group I Fixtures: Mines with fire-damp

*Appareils du Groupe I: Mines avec du grisou*

M1	<b>Presencia (metano, polvo)</b> Presence (methane, dust) <i>Présence (méthane, poussière)</i>
M2	<b>Riesgo de presencia (metano, polvo)</b> Presence Risk (methane, dust) <i>Risque de présence (méthane, poussière)</i>

### MODOS DE PROTECCIÓN / PROTECTION MODES / MODES DE PROTECTION

Símbolo Symbol <i>Symbole</i>	Categoría Category <i>Catégorie</i>	Zona Zone <i>Zone</i>
<b>d</b>	Antideflagrante / Explosion proof / <i>Enveloppe antidéflagrante</i>	<b>1,2</b>
<b>e</b>	Seguridad aumentada / Increased security / <i>Sécurité augmentée</i>	<b>1,2</b>
<b>ia</b>	Seguridad intrínseca / Intrinsic security / <i>Sécurité intrinsèque</i>	<b>0,1,2</b>
<b>ib</b>	Seguridad intrínseca / Intrinsic security / <i>Sécurité intrinsèque</i>	<b>1,2</b>
<b>o</b>	Inmersión en aceite / Oil immersion / <i>Immersion en huile</i>	<b>2</b>
<b>p</b>	Presurizado / Pressurized / <i>Surpression</i>	<b>1,2</b>
<b>q</b>	Bajo arena / Below sand / <i>Remplissage de l'enveloppe par un matériau pulvérulent</i>	<b>1,2</b>
<b>m</b>	Encapsulado / Encapsulated / <i>Encapsulage</i>	<b>1,2</b>
<b>n</b>	Antichispas / Antisparks / <i>Pas de production d'étincelles</i>	<b>2</b>

**CLASIFICACIÓN DE LOS GASES SEGÚN SU TEMPERATURA DE IGNICIÓN (\*)**  
**GAS CLASSIFICATION ACCORDING TO IGNITION TEMPERATURE (\*)**  
**CLASSIFICATION DES GAZ SELON LEURSTEMPÉRATURES D'IGNITION (\*)**

Grupos Groups Groupes	Gases Gases Gaz	Clases de temperatura Temperature classes Classe de températures					
		T1	T2	T3	T4	T5	T6
I	<b>Metano (Grisú)</b> / Methane (Fire-damp) / Méthane (Grisou)	•					
	<b>Acetona</b> / Acetone / Acétone	•					
	<b>Ácido acético</b> / Acetic acid / Acide acétique	•					
	<b>Amoniaco</b> / Ammonia / Ammoniac	•					
	<b>Etano</b> / Ethane / Éthane	•					
	<b>Cloruro de metileno</b> / Methylene chloride / Dichlorométhane/Chlorure de méthylène	•					
	<b>Metano (CH4)</b> / Methane (CH4) / Méthane (CH4)	•					
	<b>Óxido de carbono</b> / Carbon oxide / Oxyde de carbone	•					
	<b>Propano</b> / Propane / Propane	•					
	<b>N-Butano</b> / N-Butane / N-Butane		•				
	<b>N-Butil</b> / N-Butyl / N-Butil		•				
	<b>N-Hexano</b> / N-Hexane / N-Hexane			•			
	II	<b>Acetaldehido</b> / Acetaldehyde / Éthanal/Acétaldéhyde				•	
<b>Eter etílico</b> / Ethyl ether / Éther diéthylique/éthoxyéthane					•		
<b>Nitrito de etilo</b> / Ethyl nitrite / Nitrite d'éthyle							•
<b>Etileno</b> / Ethyl / Éthylène			•				
<b>B</b>		<b>Etil Óxido</b> / Ethyl Oxide / Éthylène oxyde		•			
<b>Hidrógeno sulfurado</b> / Sulfur Hydrogen / Sulfure d'hydrogène				•			
<b>C</b>		<b>Acetileno (C2H2)</b> / Acetylen (C2H2) / Acétylène (C2H2)		•			
<b>Sulfuro de carbono (CS2)</b> / Carbon Sulfur (CS2)/ Sulfure de carbone (CS2)							•
<b>Hidrógeno (H2)</b> / Hydrogene (H2) / Hydrogène(H2)		•					

(\*) El material marcado como IIB se adapta a las aplicaciones que exigen material marcado como IIA, y IIC se adapta para IIA y IIB.



The material marked as IIB adapts to applications that require marked material as IIA, and IIC adapts to IIA & IIB.

Le matériel marqué comme IIB s'adapte aux applications exigées par le matériel marqué comme IIA, ainsi que le groupe IIC s'adapte pour IIA et IIB.

Temperatura máxima de la superficie (°C) Surface maximum temperature (°C) Température maximale de la surface (°C)	Clases de temperatura Temperature classes Classe de températures
<b>T1</b>	450
<b>T2</b>	300
<b>T3</b>	200
<b>T4</b>	135
<b>T5</b>	100
<b>T6</b>	85

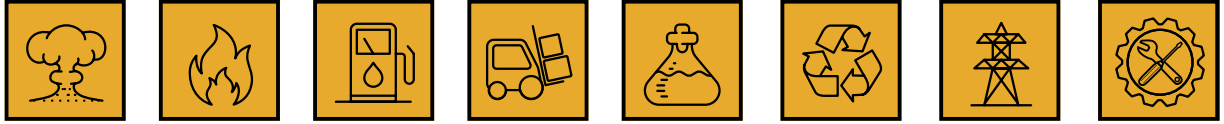
# 2.15

## CUADRO DE APLICACIONES COMUNES / COMMON APPL



					
<p><b>MINEX</b></p>	<p><b>PYROS</b></p>	<p><b>LUMEX</b></p>	<p><b>FLAME</b></p>	<p><b>TAURUS</b></p>	
<p>Minería bajo tierra, incluyendo las que tengan riesgo de acumulación de gas grisú</p> <p>Underground mining, including those who are at risk of accumulation of firedamp</p> <p><i>Exploitation minière souterraine, et qui sont à risque d'accumulation de grisou</i></p>	<p>Zonas inmediatas a bocas de carga y descarga de combustible en exteriores</p> <p>Zone close to fuel valve and pumps</p> <p><i>Zones adjacentes aux orifices de remplissage et de décharge de carburant</i></p>	<p>Zona colindantes con válvulas y conexiones de conducciones de m. inflamable</p> <p>Zone close to valves and connectors in flammable pipes</p> <p><i>Zones situées à proximité de robinets et de raccords de m. inflammable</i></p>	<p>Almacenes de disolventes, pinturas o adhesivos volátiles</p> <p>Solvent, paint or glue warehouses</p> <p><i>Entrepôts de solvants, de peintures ou d'adhésifs volatils</i></p>	<p>Zonas cerradas (piscinas de fangos) de tratamiento de residuos urbanos</p> <p>Urban waste treatment centers (closed rooms)</p> <p><i>Zones confinées (bassins de boues) destinées au traitement de déchets urbains</i></p>	<p>Depósitos y zonas de manipulación de fertilizantes</p> <p>Fertilizer handling zones and warehouses</p> <p><i>Dépôts et zones de manipulation d'engrais</i></p>
<p><b>ZONA M</b></p>	<p><b>ZONA 1 - 21</b></p>				







# APPLICATIONS CHART / TABLEAU D'APPLICATIONS COMMUNES

								
LUMEX	VITRA	TAURUS	SECURE - WATEX - PROYECTOR ATEX LED MAX					
<p>Laboratorios con riesgo por manipulación de proyecciones de líquidos corrosivos</p> <p>Laboratories where corrosive liquid projections or heavy oil are possible</p> <p><i>Laboratoires exposés + a des risques de projection de liquides corrosifs</i></p>	<p>Cabinas de pintura con proyección de disolventes para limpieza</p> <p>Paint booth where solvents are used to cleaning operations</p> <p><i>Cabines de peinture dans solvants sont projetés à des fins de nettoyage</i></p>	<p>Zonas de producción con emisión de productos abrasivos (cloro)</p> <p>Production zones where abrasives (chlorine) are present</p> <p><i>Zones de production caractérisées par l'émission de produits abrasifs (chlore)</i></p>	<p>Conducciones de extracción de polvo (cementeras, extractores de cereales, etc.)</p> <p>Dust extraction pipe (cement factories, grain extractors, etc.)</p> <p><i>Conduites d'extraction de poussière (cimenteries, extracteurs de céréales, etc.)</i></p>	<p>Fosos de talleres</p> <p>Garage trenches</p> <p><i>Fosses de garage</i></p>	<p>Zonas de carga / descarga de cereales a cielo abierto</p> <p>Loading and unloading grain zones (open areas)</p> <p><i>Zones de chargement / déchargement de céréales à ciel ouvert</i></p>	<p>Almacenes de maquinaria (agrícola, industrial, etc.)</p> <p>Machinery warehouse (farming, industrial, etc.)</p> <p><i>Entrepôts d'équipements (agricoles, industriels, etc.)</i></p>	<p>Talleres de carpintería, barnizado de muebles</p> <p>Carpentry workshop, furniture varnishing</p> <p><i>Ateliers de menuiserie, vernissage de meubles</i></p>	<p>Surtidores de combustible (gasolineras). Zona no inmediata a las bocas de surtidor</p> <p>Fuel pumps (Gas stations, not immediate areas)</p> <p><i>Pompes à essence (stations-service), zone non adjacente aux bacs des pompes</i></p>
<b>ZONA 1 - 21</b>			<b>ZONA 2 - 22</b>					



# ILUMINACIÓN TÉCNICA

TECHNICAL LIGHTING / ÉCLAIRAGE TECHNIQUE



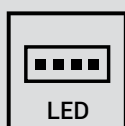


3.1		<b>CARRIL LED</b> IP44 Módulo LED	  	/ 172
3.2		<b>DELTA</b> IP20 Tubo LED/Fluorescente	  	/ 174
3.3		<b>MINIDELTA</b> IP20 Tubo LED/Fluorescente	   	/ 190
3.4		<b>SUPERDELTA</b> IP20 Tubo LED/Fluorescente	  	/ 200
3.5		<b>DECO</b> IP20 Tubo LED/Fluo	  	/ 204
3.6		<b>METALLIC</b> IP20 Tubo LED/Fluo	   	/ 208
3.7		<b>EXTREME LED</b> IP44 Módulo LED	 	/212
3.8		<b>CUADRO DE APLICACIONES</b> APPLICATIONS CHART TABLEAU D'APPLICANTIONS		/ 214

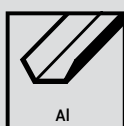


# 3.1

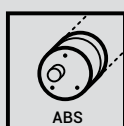
## CARRIL LED



LED

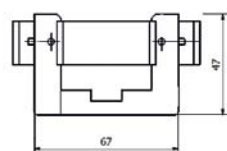
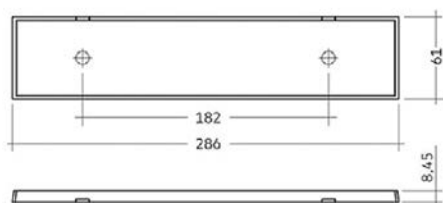
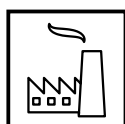


Al



ABS

**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



Pieza de unión / Track joint / Pièce de liaison



IT - DE



RG1

MACADAM

3/4

UGR  
<19

CR>80

L70B50  
>  
50.000

IP44

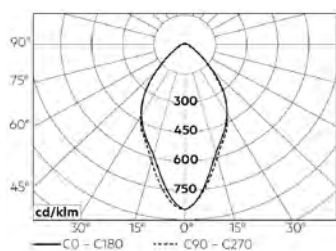
CE

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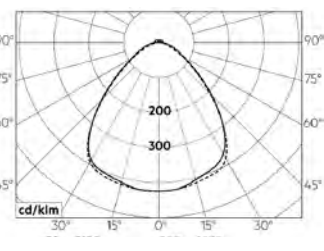
Ref.	Nº Módulos Nº Modules Nº Modules	Potencia Watts Puissance	Emisión Bruta Light emission Intensité lum.	Tª color Tª colour Tª couleur	Longitud Bloque Block length Longueur de bloc	Ancho Wide Large
		(W)				
CA214	2	26	4000	4000	570	67
CA314	3	38	6000	4000	855	67
CA414	4	51	8000	4000	1140	67
CA514	5	65	10000	4000	1425	67

60°



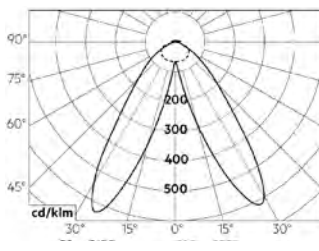
Ref +A

90°



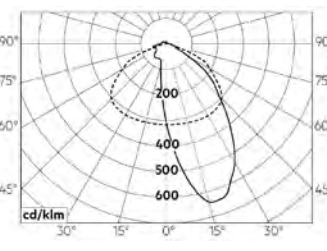
Ref +B

Doble asimétrico / double asymmetric / double asymétrique



Ref +C

Asimétrico / asymmetric / asymétrique



Ref +D

## ACCESORIOS CARRIL LED / CARRIL LED ACCESORIES / ACCESSOIRES CARRIL LED



Ref. Q0349

Suspensión con cable de acero  
Steel cable suspension  
Suspension avec câble en acier



Tapa / Endcap / Embout:  
Ref. CA902

Union / Union / Union:  
Ref. CA901

LÍNEA CONTINUA  
CONTINUOUS LINE CONNECTION  
CÂBLAGE TRAVERSANT

3 polos / 3 poles / 3 pôles

5 polos / 5 poles / 5 pôles

1-10  
DALI

EMERGENCY  
1h / 3h

UNIÓN  
PA6+FG

# 3.2

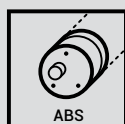
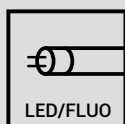
## DELTA T8



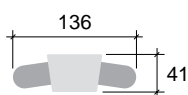
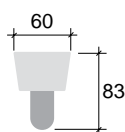
1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE



2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





IP 20

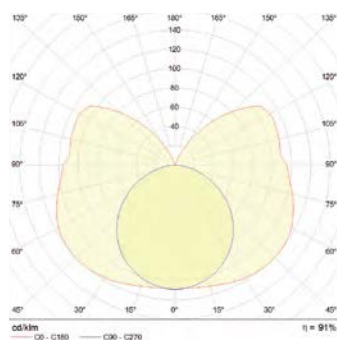
CE

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## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE

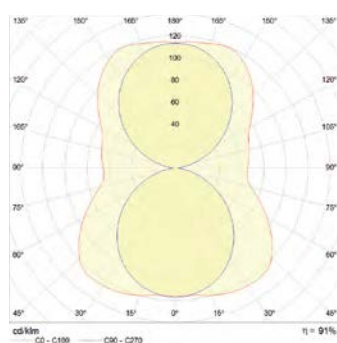
G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
D0049	18 W	■	624
D0133	18 W	●	624
D0050	36 W	■	1.233
D0134	36 W	●	1.233
D0051	58 W	■	1.534
D0135	58 W	●	1.534

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G13/T8



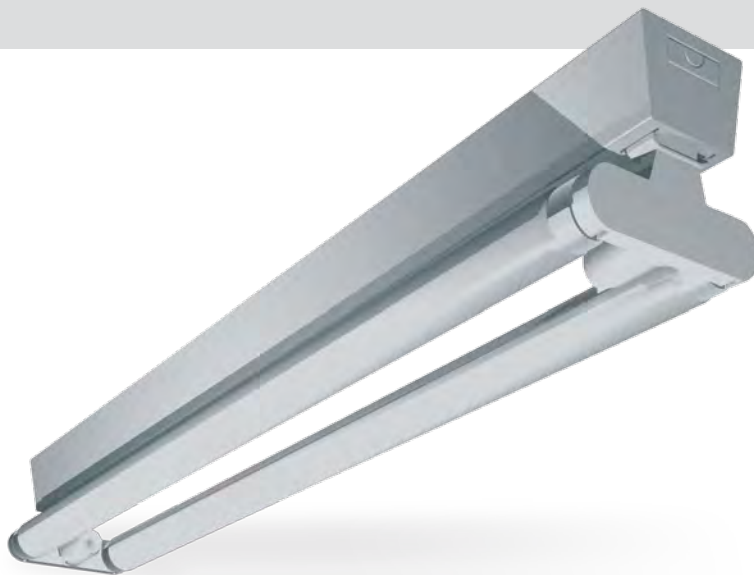
Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
D0052	18 W	■	624
D0136	18 W	●	624
D0053	36 W	■	1.233
D0137	36 W	●	1.233
D0054	58 W	■	1.534
D0138	58 W	●	1.534

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

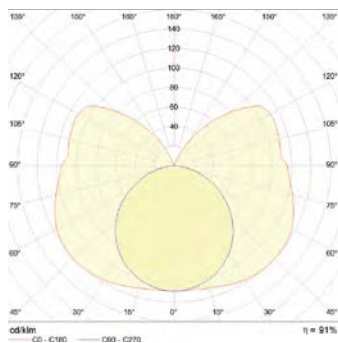
# 3.2

## DELTA T8



**PORTALÁMPARAS DOBLE 2 TUBOS FLUORESCENTES**  
 DOUBLE LAMPHOLDER 2 LAMPS  
 PORTE LAMPES DOUBLE 2 LAMPES

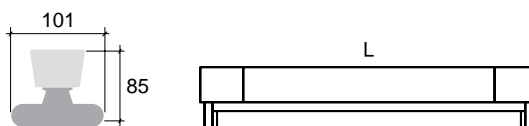
G13/T8



Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	Largo Length <i>Longueur</i>
	(W)		(mm)
D0152	18 W	■	624
D0139	18 W	●	624
D0153	36 W	■	1.233
D0140	36 W	●	1.233
D0154	58 W	■	1.534
D0141	58 W	●	1.534

■ **Electrónica** / Electronic / *Électronique*

● **Regulable** / Dimmable / *Gradable*







# 3.2

## DELTA T5

IP20

CE

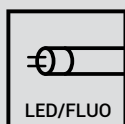
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**1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMPE**



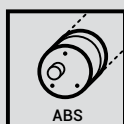
**2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES**



LED/FLUO

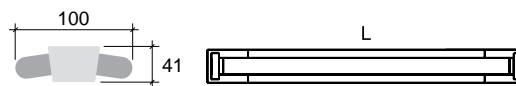
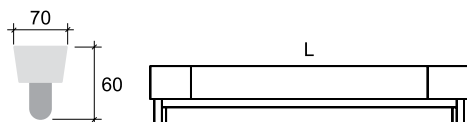


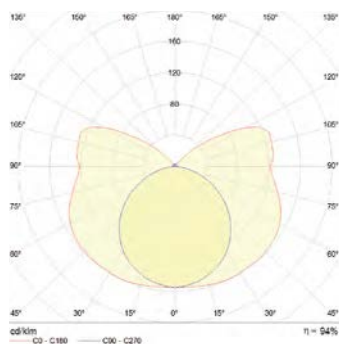
AP/LS/AL



ABS

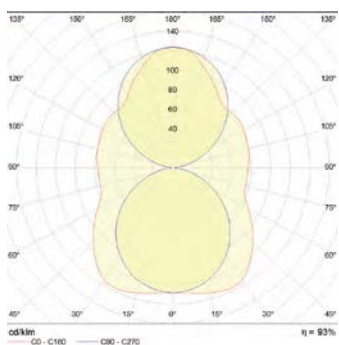
**APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES**





Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0101	14 W	■	587
D0067	14 W	●	587
D0102	21 W	■	887
D0068	21 W	●	887
D0103	28 W	■	1.187
D0069	28 W	●	1.187
D0104	35 W	■	1.487
D0071	35 W	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0146	24 W	■	587
D0150	24 W	●	587
D0105	39 W	■	887
D0072	39 W	●	887
D0147	49 W	■	1.487
D0151	49 W	●	1.487
D0106	54 W	■	1.187
D0073	54 W	●	1.187
D0142	80 W	■	1.487
D0144	80 W	●	1.487

2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0107	14 W	■	587
D0078	14 W	●	587
D0108	21 W	■	887
D0079	21 W	●	887
D0109	28 W	■	1.187
D0080	28 W	●	1.187
D0110	35 W	■	1.487
D0095	35 W	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0164	24 W	■	587
D0168	24 W	●	587
D0111	39 W	■	887
D0096	39 W	●	887
D0165	49 W	■	1.487
D0169	49 W	●	1.487
D0112	54 W	■	1.187
D0097	54 W	●	1.187
D0143	80 W	■	1.487
D0145	80 W	●	1.487

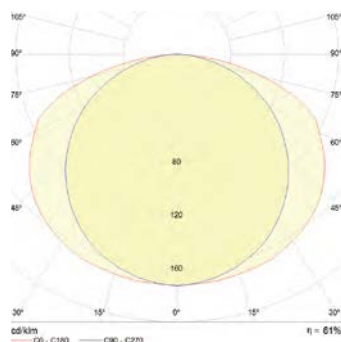
■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

# 3.2

## DELTA T5

G13/T8



Ref.	Potencia Watts <i>Puissance</i>	Equipo Equipment <i>Ballast</i>	Largo Length <i>Longueur</i>
	(W)		(mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0261	14 W	■	587
D0262	14 W	●	587
D0263	21 W	■	887
D0264	21 W	●	887
D0265	28 W	■	1.187
D0266	28 W	●	1.187
D0267	35 W	■	1.487
D0268	35 W	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0269	24 W	■	587
D0270	24 W	●	587
D0271	39 W	■	887
D0272	39 W	●	887
D0273	49 W	■	1.487
D0274	49 W	●	1.487
D0275	54 W	■	1.187
D0276	54 W	●	1.187
D0277	80 W	■	1.487
D0278	80 W	●	1.487

■ **Electrónica** / Electronic / *Électronique*

● **Regulable** / Dimmable / *Gradable*





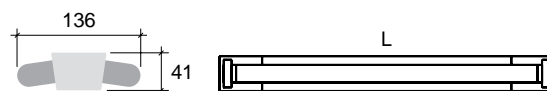
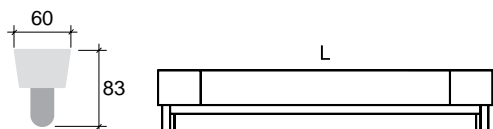
# 3.2

## DELTA LED

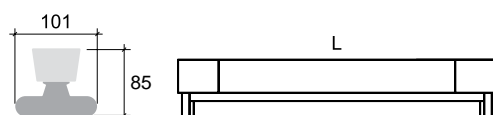


**1 TUBO LED / 1 LED TUBE / 1 TUBE LED**

**2 TUBOS LED / 2 LED TUBES / 2 TUBES LED**



**2 TUBOS LED (PORTALÁMPARAS DOBLE / DOUBLE LAMP HOLDER //PORTE LAMPES DOUBLE)**



IP20

CE

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**1 TUBO LED / 1 LED TUBE**  
*/ 1 TUBE LED*

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
D0049L	600	624
D0055L	900	928
D0050L	1.200	1.233
D0051L	1.500	1.534

**2 TUBOS LED / 2 LED**  
*TUBES / 2 TUBES LED*

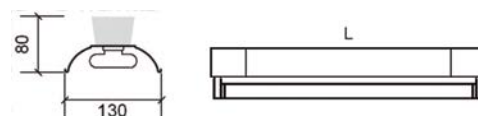
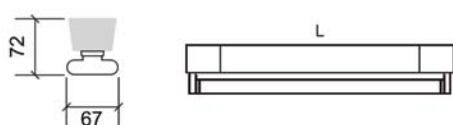
G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
D0052L	600	624
D0056L	900	928
D0053L	1.200	1.233
D0054L	1.500	1.534

**2 TUBOS LED (PORTALÁMPARAS DOBLE /**  
*DOUBLE LAMP HOLDER / PORTE LAMPES*  
**DOUBLE)**

G13/T8

Ref.	Longitud Tubo Tube Length <i>Longueur Tube</i>	Longitud Luminaria Fitting Length <i>Longueur Luminaire</i>
	(mm)	(mm)
D0152L	600	624
D0156L	900	928
D0153L	1.200	1.233
D0154L	1.500	1.534

**VERSIÓN CONEXIÓN RÁPIDA / QUICK CONNECTION / CONNECTION RAPIDE**

**Con reflector de aluminio brillante**  
With glossy aluminium reflector  
Avec réflecteur en aluminium brillant



**Posición final**  
Final position  
Position finale



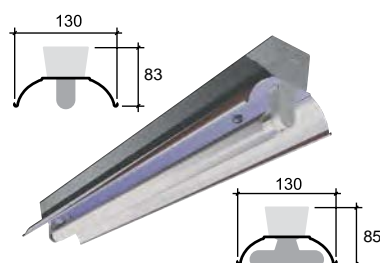
Ref.	D0187	D0188	D0190
	<b>Conexión rápida</b> Quick connection <i>Connexion rapide</i>	<b>Interconector macho hembra</b> Male-female interconnector <i>Interconecteur mâle-femelle</i>	<b>Cable de conexión</b> Connection cable <i>Connexion par câble</i>



# 3.2

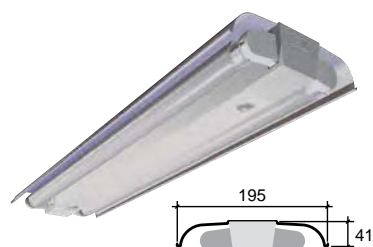
## REFLECTORES REFLECTORS / RÉFLECTEURS

### SIMÉTRICO 1 TUBO Y PORTALÁMPARAS DOBLE G13 SYMMETRICAL 1 LAMP AND DOUBLE LAMPHOLDER G13 SYMÉTRIQUE 1 LAMPE ET PORTE LAMPES DOUBLE G13



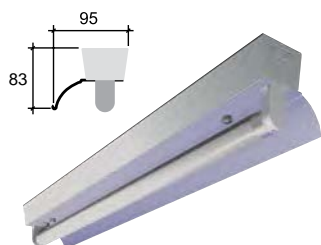
Ref.	Potencia		Largo
	Watts		Length
	Puissance		Longueur
	(W)		(mm)
<b>T8</b>			
DA400	15 W	Chapa / Steel / Acier	471
DA4A0	15 W	Aluminio / Aluminium	471
DA100	18 W	Chapa / Steel / Acier	624
DA1A0	18 W	Aluminio / Aluminium	624
DA600	30 W	Chapa / Steel / Acier	928
DA6A0	30 W	Aluminio / Aluminium	928
DA200	36 W	Chapa / Steel / Acier	1233
DA2A0	36 W	Aluminio / Aluminium	1233
DA300	58 W	Chapa / Steel / Acier	1534
DA3A0	58 W	Aluminio / Aluminium	1534
<b>T5</b>			
DE100	14-24 W	Chapa / Steel / Acier	587
DE1A0	14-24 W	Aluminio / Aluminium	587
DE200	21-39 W	Chapa / Steel / Acier	857
DE2A0	21-39 W	Aluminio / Aluminium	857
DE300	28-54 W	Chapa / Steel / Acier	1187
DE3A0	28-54 W	Aluminio / Aluminium	1187
DE400	35-49-80 W	Chapa / Steel / Acier	1487
DE4A0	35-49-80 W	Aluminio / Aluminium	1487

### SIMÉTRICO 2 TUBOS / SYMMETRICAL 2 LAMPS / SYMÉTRIQUE 2 LAMPES



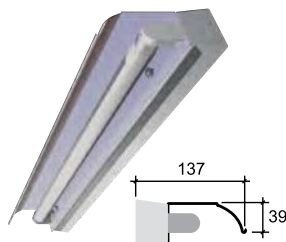
Ref.	Potencia		Largo
	Watts		Length
	Puissance		Longueur
	(W)		(mm)
<b>T8</b>			
DB400	15 W	Chapa / Steel / Acier	471
DB4A0	15 W	Aluminio / Aluminium	471
DB100	18 W	Chapa / Steel / Acier	624
DB1A0	18 W	Aluminio / Aluminium	624
DB600	30 W	Chapa / Steel / Acier	928
DB6A0	30 W	Aluminio / Aluminium	928
DB200	36 W	Chapa / Steel / Acier	1233
DB2A0	36 W	Aluminio / Aluminium	1233
DB300	58 W	Chapa / Steel / Acier	1534
DB3A0	58 W	Aluminio / Aluminium	1534
<b>T5</b>			
DF100	14-24 W	Chapa / Steel / Acier	587
DF1A0	14-24 W	Aluminio / Aluminium	587
DF200	21-39 W	Chapa / Steel / Acier	857
DF2A0	21-39 W	Aluminio / Aluminium	857
DF300	28-54 W	Chapa / Steel / Acier	1187
DF3A0	28-54 W	Aluminio / Aluminium	1187
DF400	35-49-80 W	Chapa / Steel / Acier	1487
DF4A0	35-49-80 W	Aluminio / Aluminium	1487

ASIMÉTRICO E / ASYMMETRICAL E / ASYMÉTRIQUE E



Ref.	Potencia Watts Puissance (W)	Material	Largo Length Longueur (mm)
<b>T8</b>			
DC400	15 W	Chapa / Steel / Acier	471
DC4A0	15 W	Aluminio / Aluminium	471
DC100	18 W	Chapa / Steel / Acier	624
DC1A0	18 W	Aluminio / Aluminium	624
DC600	30 W	Chapa / Steel / Acier	928
DC6A0	30 W	Aluminio / Aluminium	928
DC200	36 W	Chapa / Steel / Acier	1233
DC2A0	36 W	Aluminio / Aluminium	1233
DC300	58 W	Chapa / Steel / Acier	1534
DC3A0	58 W	Aluminio / Aluminium	1534
<b>T5</b>			
DG100	14-24 W	Chapa / Steel / Acier	587
DG1A0	14-24 W	Aluminio / Aluminium	587
DG200	21-39 W	Chapa / Steel / Acier	857
DG2A0	21-39 W	Aluminio / Aluminium	857
DG300	28-54 W	Chapa / Steel / Acier	1187
DG3A0	28-54 W	Aluminio / Aluminium	1187
DG400	35-49-80 W	Chapa / Steel / Acier	1487
DG4A0	35-49-80 W	Aluminio / Aluminium	1487


ASIMÉTRICO i / ASYMMETRICAL i / ASYMÉTRIQUE i



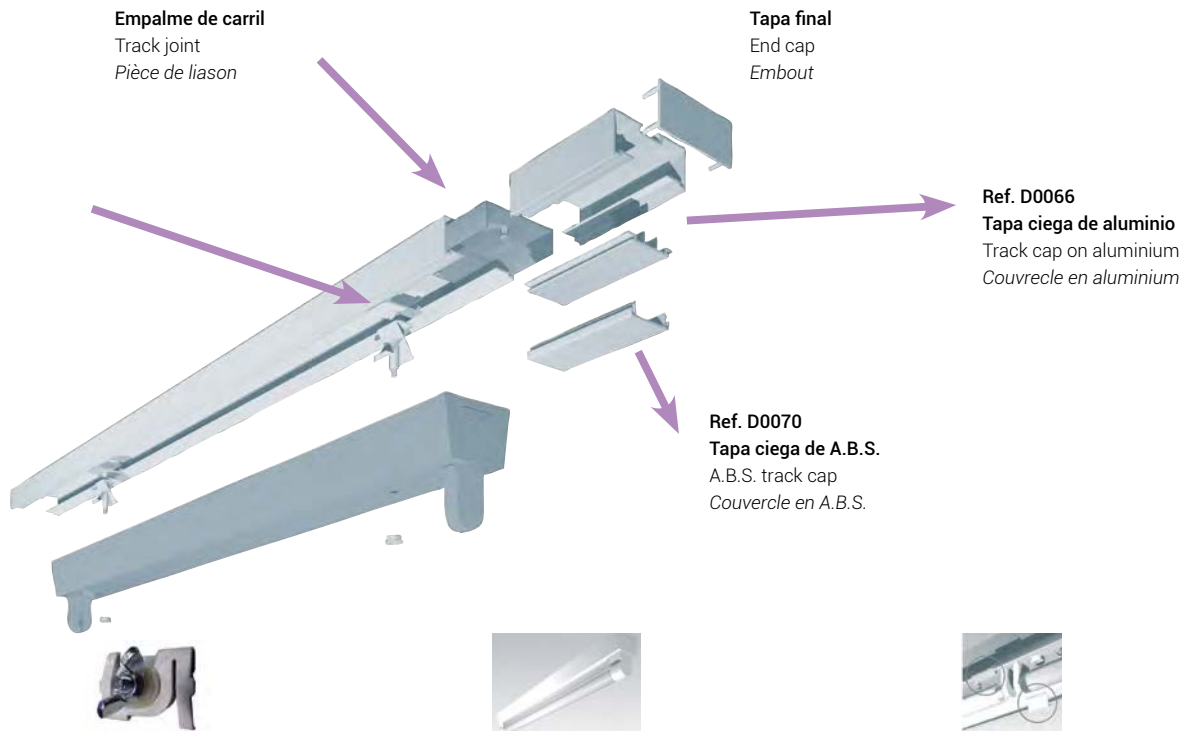
Ref.	Potencia Watts Puissance (W)	Material	Largo Length Longueur (mm)
<b>T8</b>			
DD400	15 W	Chapa / Steel / Acier	471
DD4A0	15 W	Aluminio / Aluminium	471
DD100	18 W	Chapa / Steel / Acier	624
DD1A0	18 W	Aluminio / Aluminium	624
DD600	30 W	Chapa / Steel / Acier	928
DD6A0	30 W	Aluminio / Aluminium	928
DD200	36 W	Chapa / Steel / Acier	1233
DD2A0	36 W	Aluminio / Aluminium	1233
DD300	58 W	Chapa / Steel / Acier	1534
DD3A0	58 W	Aluminio / Aluminium	1534
<b>T5</b>			
DH100	14-24 W	Chapa / Steel / Acier	587
DH1A0	14-24 W	Aluminio / Aluminium	587
DH200	21-39 W	Chapa / Steel / Acier	857
DH2A0	21-39 W	Aluminio / Aluminium	857
DH300	28-54 W	Chapa / Steel / Acier	1187
DH3A0	28-54 W	Aluminio / Aluminium	1187
DH400	35-49-80 W	Chapa / Steel / Acier	1487
DH4A0	35-49-80 W	Aluminio / Aluminium	1487

# 3.2

## CARRILES Y ACCESORIOS TRACKS AND ACCESSORIES / RAIL ET ACCESSOIRES

Carril Track Rail	T8			T5		Tapa final End cap Embout	Empalme Track joint Pièce de liaison	Sujeción a carril Fastener for track Fixation au RAIL	
	Perfil Profile Profile	Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail				Carril Track Rail
	3070 (mm)	3700 (mm)	4620 (mm)	3000 (mm)	3598 (mm)				
	2 X 58	3 X 36	3 X 58	2 X 35/49	3 X 28/54				
	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		D0059	D0060	D0174	D0039	D0125	D0034	D0064	D0063

Ref. D0063  
Sujeción a carril  
Fastener for track  
Fixation au RAIL




Ref.	D0191	D0025	D0074
Fijación carril a perfil techo desmontable Track fastener to removable ceiling profile Fixation de carril au profil du plafond démontable	Tapa final difusor End cap for diffuser Embout diffuseur	Pieza alineación reflectores Reflector alignment piece Pièce d'alignement des réflecteurs	

### Difusor / Diffuser / Diffuseur

Ref.	D0026	D0027	D0029	D0030	D0031
(W)	15	18	30	36	58

### Suspensiones / Suspensions / Suspensions

	Carril Track Rail	22,5 - 25	D0156	D0157	D0158	D0159	D0160	D0161
	Medida (mm)		Tija 95 Stem 95 Tige 95	Tija 250 Stem 250 Tige 250	Tija 500 Stem 500 Tige 500	Tija 1000 Stem 1000 Tige 1000	Tija 1500 Stem 1500 Tige 1500	con cable de acero 1900 With steel cable 1900 Avec câble en acier 1900






ACCESORIOS  
ACCESORIES  
ACCESOIRES




# 3.2

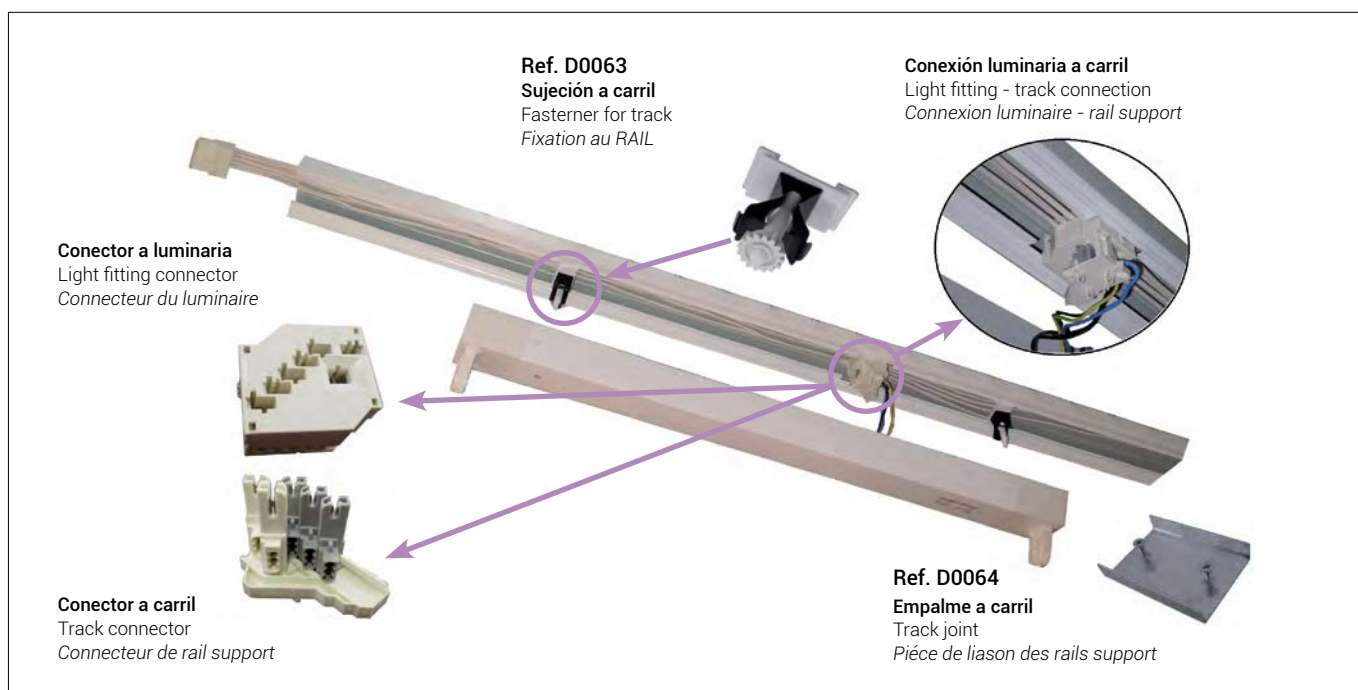
## CARRILES Y ACCESORIOS TRACKS AND ACCESSORIES / RAIL ET ACCESSOIRES

### CARRIL 5 HILOS / 5 WIRES TRACK / RAIL SUPPORT 5 FILS

Carril Track Rail	Perfil Profile Profile	T8			T5	
		Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail
		3070 (mm) 2 X 58	3700 (mm) 3 X 36	4620 (mm) 3 X 58	3000 (mm) 2 X 35/49	3598 (mm) 3 X 28/54
	Ref.	Ref.	Ref.	Ref.	Ref.	
25 X 67,2 (mm)		D0043	D0047	D0172	D0179	D0180

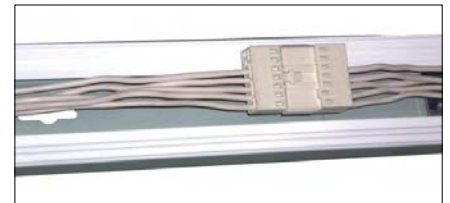
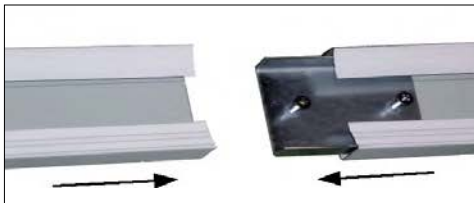
### CARRIL 7 HILOS / 7 WIRES TRACK / RAIL SUPPORT 7 FILS

Carril Track Rail	Perfil Profile Profile	T8			T5	
		Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail	Carril Track Rail
		3070 (mm) 2 X 58	3700 (mm) 3 X 36	4620 (mm) 3 X 58	3000 (mm) 2 X 35/49	3598 (mm) 3 X 28/54
	Ref.	Ref.	Ref.	Ref.	Ref.	
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		D0044	D0048	D0173	D0181	D0182





Conexión entre carriles / Connection between tracks / Connecteur de RAIL



Ref.

D0065

**Tapa final de carril aluminio**  
End cap for track aluminium  
*Embout final du rail support aluminium*



D0070

**Tapa ciega de A.B.S.**  
Track cap on A.B.S.  
*Couvercle en A.B.S.*



D0066

**Tapa ciega de aluminio**  
Aluminium track cap  
*Couvercle en aluminium*



Ref.

D0034

**Tapa final de carril de chapa 25x64**  
End cap for lacquered steel track 25x64  
*Embout final du rail support d'acier 25x64*



D0191

**Fijación carril a perfil techo desmontable**  
Track fastener to removable ceiling profile  
*Fixation de carril au profil du plafond démontable*

(\*) No disponible para Mini Delta

For Mini Delta model not available  
*Non disponible pour Mini Delta*

**Para luminarias de 2 tubos con reflector debe usarse el portalámparas G13 doble.**

For 2 tubes light fitting with reflector have to use double G13 lampholder.  
*Pour les luminaires avec 2 lampes et réflecteur doit être utilisé porte lampes double G13.*

ACCESORIOS DELTA / DELTA ACCESORIES / ACCESSOIRES DELTA

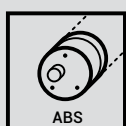
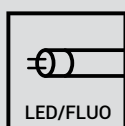
1-10  
DALI

EMERGENCY  
1h / 3h

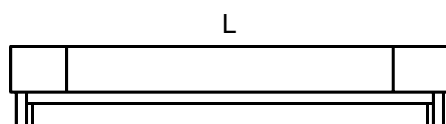
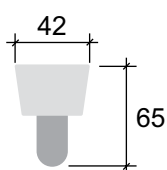


# 3.3

## MINIDELTA



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP20

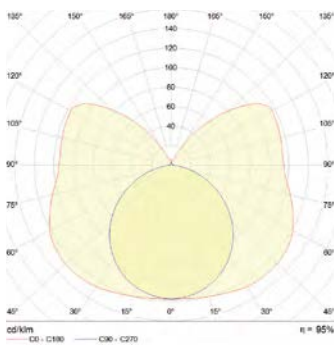
CE

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1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0701	14 W	■	598
D0712	14 W	●	598
D0702	21 W	■	898
D0713	21 W	●	898
D0703	28 W	■	1.198
D0714	28 W	●	1.198
D0704	35 W	■	1.498
D0715	35 W	●	1.498
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0705	24 W	■	598
D0716	24 W	●	598
D0706	39 W	■	898
D0717	39 W	●	898
D0707	49 W	■	1.498
D0718	49 W	●	1.498
D0708	54 W	■	1.198
D0719	54 W	●	1.198
D0709	80 W	■	1.498
D0720	80 W	●	1.498

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

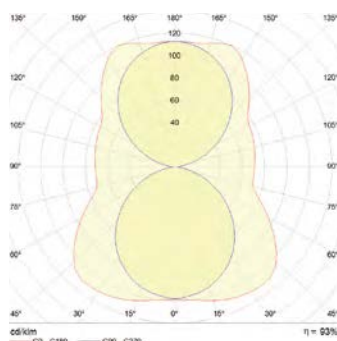
# 3.3

## MINIDELTA



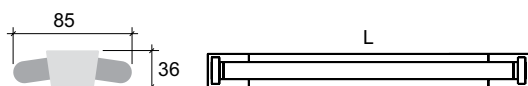
2 TUBOS FLUORESCENTES / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0721	14 W	■	598
D0729	14 W	●	598
D0722	21 W	■	898
D0730	21 W	●	898
D0723	28 W	■	1.198
D0731	28 W	●	1.198
D0724	35 W	■	1.498
D0732	35 W	●	1.498
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0725	24 W	■	598
D0733	24 W	●	598
D0726	39 W	■	898
D0734	39 W	●	898
D0753	49 W	■	1.498
D0754	49 W	●	1.498
D0727	54 W	■	1.198
D0735	54 W	●	1.198
D0728	80 W	■	1.498
D0736	80 W	●	1.498

■ Electrónica / Electronic / Électronique    ● Regulable / Dimmable / Gradable





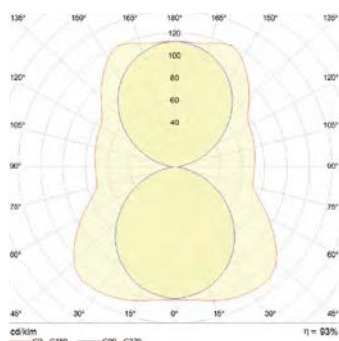
IP20

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**PORTALÁMPARAS DOBLE, 2 FLUORESCENTES / DOUBLE LAMPHOLDER 2 LAMPS /  
PORTE LAMPES DOUBLE, 2 LAMPES**



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0737	14 W	■	598
D0745	14 W	●	598
D0738	21 W	■	898
D0746	21 W	●	898
D0739	28 W	■	1.198
D0747	28 W	●	1.198
D0740	35 W	■	1.498
D0748	35 W	●	1.498
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0741	24 W	■	598
D0749	24 W	●	598
D0742	39 W	■	898
D0750	39 W	●	898
D0755	49 W	■	1.498
D0756	49 W	●	1.498
D0743	54 W	■	1.198
D0751	54 W	●	1.198
D0709	80 W	■	1.498
D0720	80 W	●	1.498

■ Electrónica / Electronic / Électronique

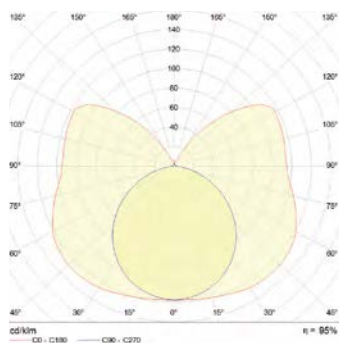
● Regulable / Dimmable / Gradable

# 3.3

## MINIDELTA LED

1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

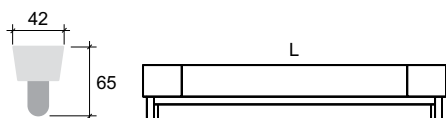
T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0771	18 W	■	635
D0772	18 W	●	635
D0773	36 W	■	1.244
D0774	36 W	●	1.244
D0775	58 W	■	1.545
D0776	58 W	●	1.545

■ **Electrónica** / Electronic / Électronique

● **Regulable** / Dimmable / Gradable



1 TUBO LED / 1 LED TUBE / 1 TUBE LED

T8



Ref.	Longitud Tubo Tube Length Longueur Tube (mm)	Largo Length Longueur (mm)
D0771L	600	624
D0777L	900	928
D0773L	1.200	1.233
D0775L	1.500	1.534

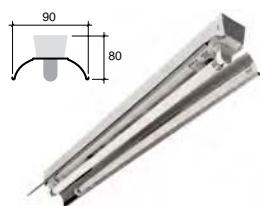
IP20

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## REFLECTORES MINIDELTA / MINIDELTA REFLECTOR / REFLECTEUR MINIDELTA

## SIMÉTRICO 1 TUBO / SYMMETRICAL 1 LAMP / SYMÉTRIQUE 1 LAMPE



Ref.	Potencia Watts Puissance		Largo Length Longueur
	(W)		(mm)
DK100	14-24	Chapa / Steel / Acier	598
DK1A0	14-24	Aluminio / Aluminium	598
DK200	21-39	Chapa / Steel / Acier	898
DK2A0	21-39	Aluminio / Aluminium	898
DK300	28-54	Chapa / Steel / Acier	1.198
DK3A0	28-54	Aluminio / Aluminium	1.198
DK400	35-49-80	Chapa / Steel / Acier	1.498
DK4A0	35-49-80	Aluminio / Aluminium	1.498

## SIMÉTRICO 2 TUBOS / SYMMETRICAL 2 LAMPS / SYMÉTRIQUE 2 LAMPES



Ref.	Potencia Watts Puissance		Largo Length Longueur
	(W)		(mm)
DJ100	14-24	Chapa / Steel / Acier	598
DJ1A0	14-24	Aluminio / Aluminium	598
DJ200	21-39	Chapa / Steel / Acier	898
DJ2A0	21-39	Aluminio / Aluminium	898
DJ300	28-54	Chapa / Steel / Acier	1.198
DJ3A0	28-54	Aluminio / Aluminium	1.198
DJ400	35-49-80	Chapa / Steel / Acier	1.498
DJ4A0	35-49-80	Aluminio / Aluminium	1.498

## ASIMÉTRICO E / ASYMMETRICAL E / ASYMÉTRIQUE E



Ref.	Potencia Watts Puissance	Material	Largo Length Longueur
	(W)		(mm)
DL100	14-24	Chapa / Steel / Acier	598
DL1A0	14-24	Aluminio / Aluminium	598
DL200	21-39	Chapa / Steel / Acier	898
DL2A0	21-39	Aluminio / Aluminium	898
DL300	28-54	Chapa / Steel / Acier	1.198
DL3A0	28-54	Aluminio / Aluminium	1.198
DL400	35-49-80	Chapa / Steel / Acier	1.498
DL4A0	35-49-80	Aluminio / Aluminium	1.498

## SIMÉTRICO 2 TUBOS / SYMMETRICAL 2 LAMPS / SYMÉTRIQUE 2 LAMPES



Ref.	Potencia Watts Puissance	Material	Largo Length Longueur
	(W)		(mm)
DM100	14-24	Chapa / Steel / Acier	598
DM1A0	14-24	Aluminio / Aluminium	598
DM200	21-39	Chapa / Steel / Acier	898
DM2A0	21-39	Aluminio / Aluminium	898
DM300	28-54	Chapa / Steel / Acier	1.198
DM3A0	28-54	Aluminio / Aluminium	1.198
DM400	35-49-80	Chapa / Steel / Acier	1.498
DM4A0	35-49-80	Aluminio / Aluminium	1.498




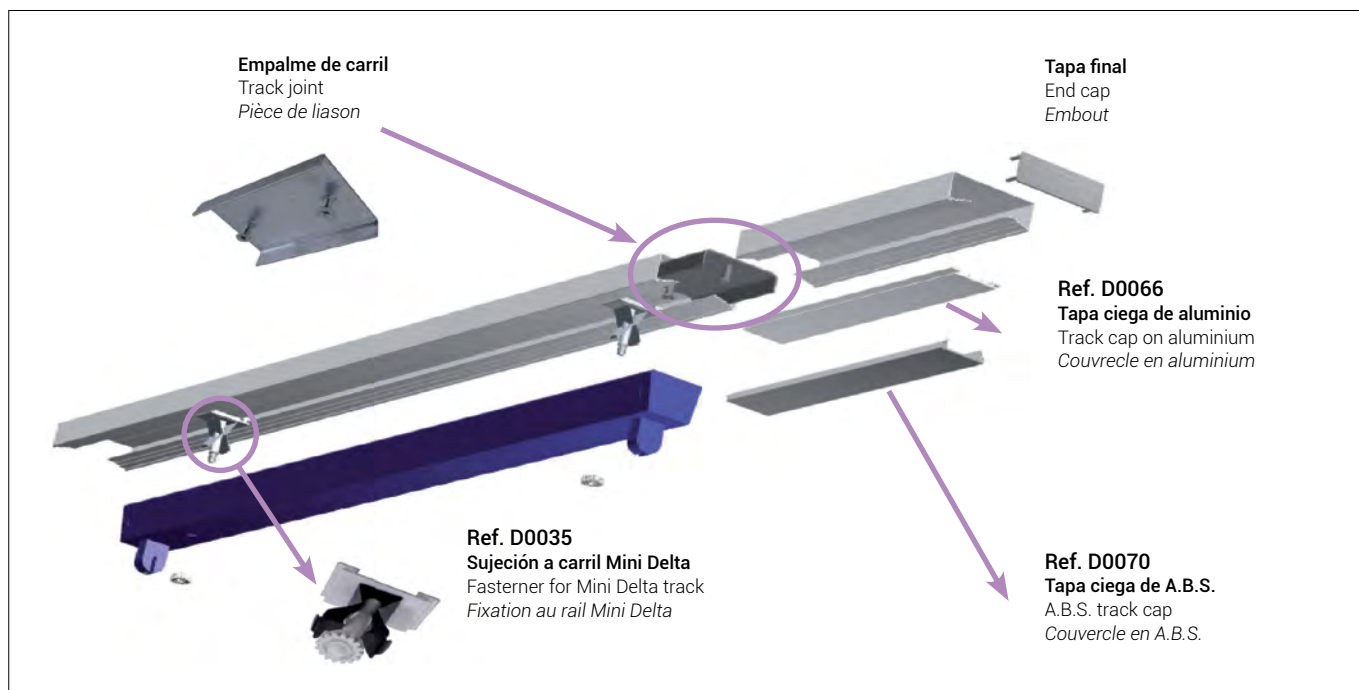
# 3.3

## MINIDELTA

### ACCESORIOS MINIDELTA / MINIDELTA ACCESSORIES / ACCESSOIRES MINIDELTA

#### CARRILES Y ACCESORIOS TRACKS AND ACCESSORIES CHEMINS LIMINEUX ET ACCESSOIRES

	Perfil Profile Profile	Carril Track Rail 3000 (mm) 2 X 35/49 Ref.	Carril Track Rail 3598 (mm) 3 X 28/54 Ref.	Tapa final End cap Embout Ref.	Empalme Track joint Pièce de liaison Ref.
CHAPA ACERO / LACQUERED STEEL / ACIER LAQUÉ 25 X 67,2 (mm)		D0039	D0125	D0034	D0064





**D0191**

**Ref.**

**Fijación carril a perfil techo desmontable**  
Track fastener to removable ceiling profile  
*Fixation de carril au profil du plafond démontable*



**D0074**

**Pieza alineación reflectores**  
Reflector alignment piece  
*Pièce d'alignement des réflecteurs*

**Suspensiones / Suspensions / Suspensions**



<b>Carril</b> Track Rail	<b>22,5 - 25</b>	<b>D0156</b>	<b>D0157</b>	<b>D0158</b>	<b>D0159</b>	<b>D0160</b>	<b>D0161</b>
<b>(mm)</b>		Tija 95 Stem 95 Tige 95	Tija 250 Stem 250 Tige 250	<b>Tija 500</b> Stem 500 Tige 500	<b>Tija 1000</b> Stem 1000 Tige 1000	<b>Tija 1500</b> Stem 1500 Tige 1500	<b>con cable de acero 1900</b> With steel cable 1900 Avec câble en acier 1900

# 3.3

## MINIDELTA

### OPCIÓN CONEXIÓN RÁPIDA / QUICK CONNETION OPTION / OPCION CONNECTION RAPIDE



Ref.

D0781

D0782

**Conexión rápida**  
Quick conection  
*Connexion rapide*

**Interconector**  
interconnector  
*Interconnecteur*

### CARRIL / TRACK / RAIL

#### Carril / Track / Rail

Perfil / Profile / Profile

3000 (mm) 2 X 35/49

3598 (mm) 3 X 28/54

Ref.

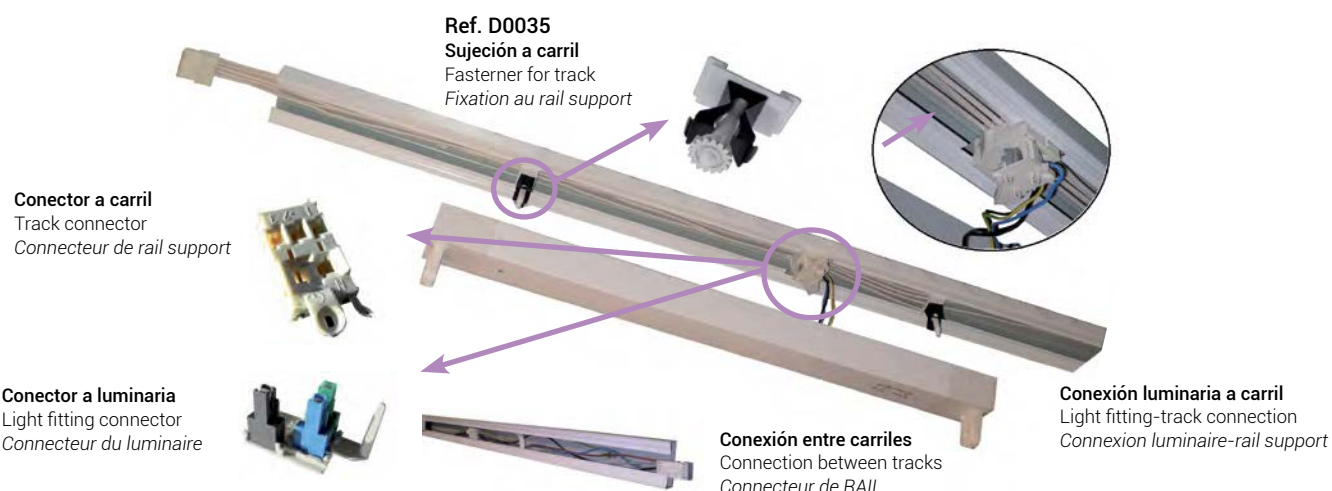
Ref.

25 X 67,2 (mm)



D0783

D0784



**Ref. D0035**  
**Sujeción a carril**  
Fastener for track  
*Fixation au rail support*

**Conector a carril**  
Track connector  
*Connecteur de rail support*

**Conector a luminaria**  
Light fitting connector  
*Connecteur du luminaire*

**Conexión entre carriles**  
Connection between tracks  
*Connecteur de RAIL*

**Conexión luminaria a carril**  
Light fitting-track connection  
*Connexion luminaire-rail support*

3 polos / 3 poles / 3 pôles (L, N, T)

5 polos / 5 poles / 5 pôles (L, N, T,+,-)

Ref.D0785

Ref. D0786



Ref.

D0070

D0034

D0064

D0191

**Tapa ciega de A.B.S.**  
Track cap on A.B.S.  
*Couvercle en A.B.S.*

**Tapa final de carril de chapa 25x64**  
End cap for lacquered steel track 25x64  
*Embout final du rail support d'acier 25x64*

**Empalme a carril**  
Track joint  
*Pièce de liason des rails support*

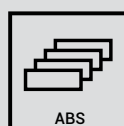
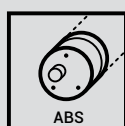
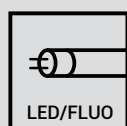
**Fijación carril a perfil techo desmontable**  
Track fastener to removable ceiling profile  
*Fixation de carril au profil du plafond démontable*



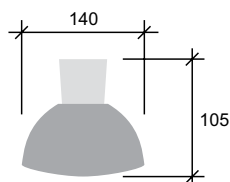


# 3.4

## SUPERDELTA



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



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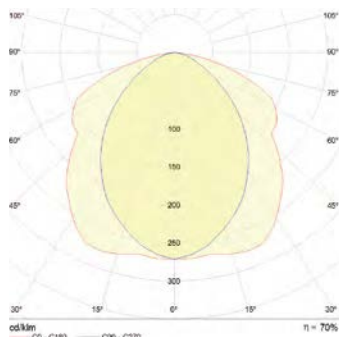


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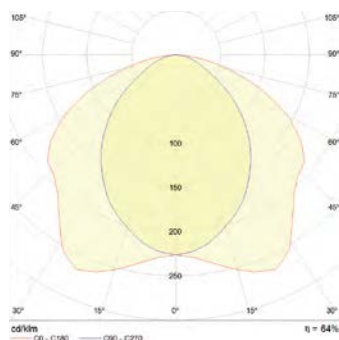
## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
D0336	15 W	■	471
D0349	18 W	■	624
D0433	18 W	●	624
D0337	30 W	■	928
D0350	36 W	■	1.233
D0434	36 W	●	1.233
D0351	58 W	■	1.534
D0435	58 W	●	1.534

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
D0319	15 W	■	471
D0352	18 W	■	624
D0439	18 W	●	624
D0338	30 W	■	928
D0353	36 W	■	1.233
D0440	36 W	●	1.233
D0354	58 W	■	1.534
D0441	58 W	●	1.534

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

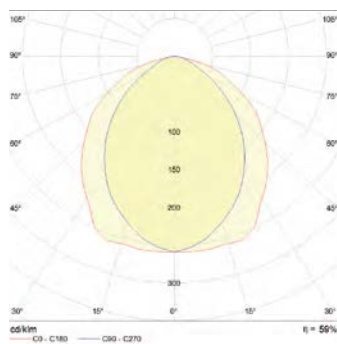


# 3.4

## SUPERDELTA

1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0401	14 W	■	587
D0407	14 W	●	587
D0402	21 W	■	887
D0408	21 W	●	887
D0403	28 W	■	1.187
D0409	28 W	●	1.187
D0404	35 W	■	1.487
D0410	35 W	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0420	24 W	■	587
D0423	24 W	●	587
D0405	39 W	■	887
D0411	39 W	●	887
D0421	49 W	■	1.487
D0424	49 W	●	1.487
D0406	54 W	■	1.187
D0412	54 W	●	1.187
D0422	80 W	■	1.487
D0425	80 W	●	1.487

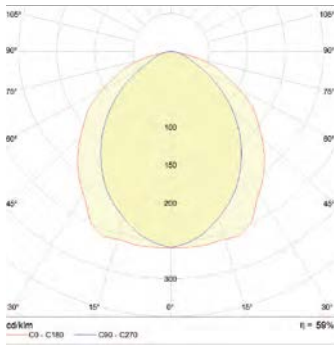
IP20

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**2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES**

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0442	14 W	■	587
D0451	14 W	●	587
D0443	21 W	■	887
D0452	21 W	●	887
D0444	28 W	■	1.187
D0453	28 W	●	1.187
D0445	35 W	■	1.487
D0454	35 W	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0446	24 W	■	587
D0455	24 W	●	587
D0447	39 W	■	887
D0456	39 W	●	887
D0448	49 W	■	1.487
D0457	49 W	●	1.487
D0449	54 W	■	1.187
D0458	54 W	●	1.187
D0450	80 W	■	1.487
D0459	80 W	●	1.487

**ACCESORIOS SUPERDELTA / SUPERDELTA ACCESORIES / ACCESSOIRES SUPERDELTA**

**Detalle de montaje**  
Assembly detail  
Détail du montage

**Lama / Louvre / Grille**

T8		T5	
Mod. (W)	Ref.	Mod. (W)	Ref.
15	D0326	14-24	D0332
18	D0327	21-39	D0333
30	D0329	28-54	D0334
36	D0330	35-80	D0335
58	D0331		

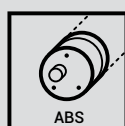
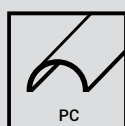
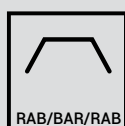
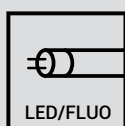
**Tapa final / End cap / Embout**

Ref. D0325

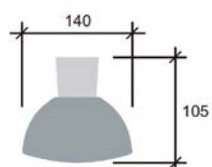
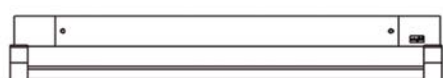
1-10 DALI
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# 3.5

## DECO



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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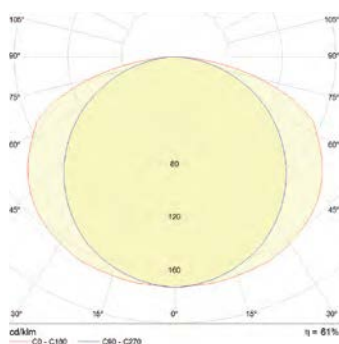
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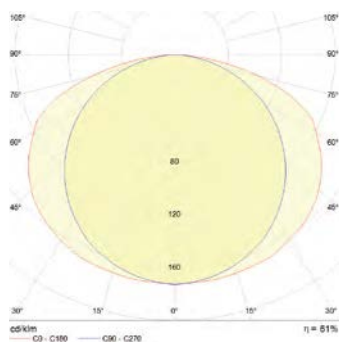
## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
D0825	18	■	624
D0831	18	●	624
D0826	36	■	1.233
D0834	36	●	1.233
D0827	58	■	1.534
D0835	58	●	1.534

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Length Longueur
	(W)		(mm)
D0828	18	■	624
D0836	18	●	624
D0829	36	■	1.233
D0839	36	●	1.233
D0830	58	■	1.534
D0840	58	●	1.534

■ **Electrónica** / Electronic / Électronique

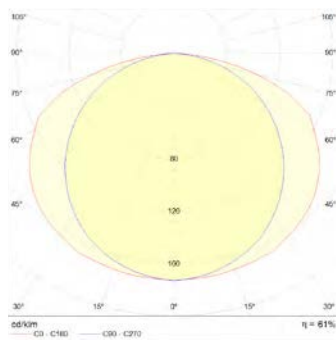
● **Regulable** / Dimmable / Gradable

# 3.5

## DECO

1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

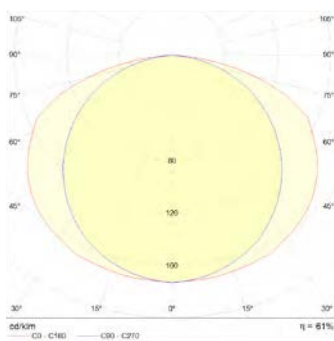
G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0850	14	■	587
D0851	14	●	587
D0852	21	■	887
D0853	21	●	887
D0854	28	■	1.187
D0855	28	●	1.187
D0856	35	■	1.487
D0857	35	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0858	24	■	587
D0859	24	●	587
D0860	39	■	887
D0861	39	●	887
D0862	49	■	1.487
D0863	49	●	1.487
D0864	54	■	1.187
D0865	54	●	1.187
D0866	80	■	1.487
D0867	80	●	1.487

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0868	14	■	587
D0869	14	●	587
D0870	21	■	887
D0871	21	●	887
D0872	28	■	1.187
D0873	28	●	1.187
D0874	35	■	1.487
D0875	35	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0876	24	■	587
D0877	24	●	587
D0878	39	■	887
D0879	39	●	887
D0880	49	■	1.487
D0881	49	●	1.487
D0882	54	■	1.187
D0883	54	●	1.187
D0884	80	■	1.487
D0885	80	●	1.487

## ACCESORIOS DECO / DECO ACCESORIES / ACCESSOIRES DECO

Tapa final / End cap / Embout

Ref. D0841

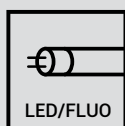
1-10  
DALI

Difusor / Diffuser / Diffuseur

T8		T5	
Mod. (W)	Ref.	Mod. (W)	Ref.
18	D0842	14-24	D0846
36	D0844	21-39	D0847
58	D0845	28-54	D0848
		35-80	D0849

# 3.6

## METALLIC



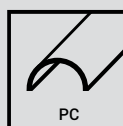
LED/FLUO



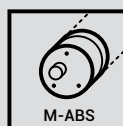
AP/LS/AL



RAB/BAR/RAB



PC

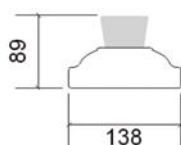
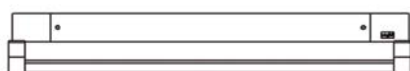


M-ABS



AL  
BRIGHTNESS

**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





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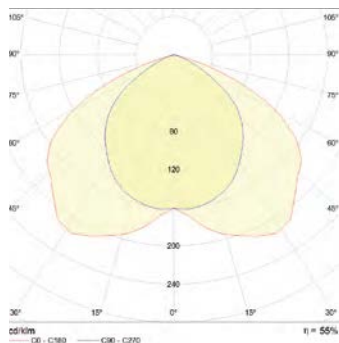
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EN 60598-1



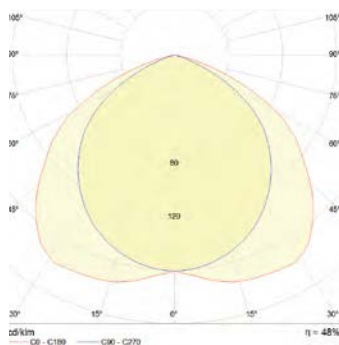
## 1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
D0925	18	■	624
D0931	18	●	624
D0926	36	■	1.233
D0932	36	●	1.233
D0927	58	■	1.534
D0933	58	●	1.534

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
D0928	18	■	624
D0934	18	●	624
D0929	36	■	1.233
D0935	36	●	1.233
D0930	58	■	1.534
D0936	58	●	1.534

■ Electrónica / Electronic / Électronique

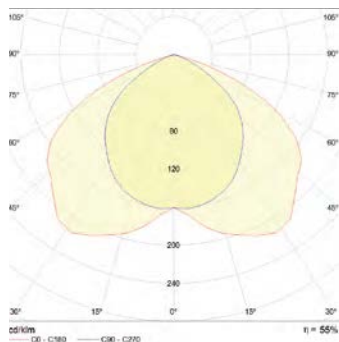
● Regulable / Dimmable / Gradable

# 3.6

## METALLIC

1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0937	14	■	587
D0955	14	●	587
D0938	21	■	887
D0956	21	●	887
D0939	28	■	1.187
D0957	28	●	1.187
D0940	35	■	1.487
D0958	35	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0941	24	■	587
D0959	24	●	587
D0942	39	■	887
D0960	39	●	887
D0943	49	■	1.487
D0961	49	●	1.487
D0944	54	■	1.187
D0962	54	●	1.187
D0945	80	■	1.487
D0963	80	●	1.487

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

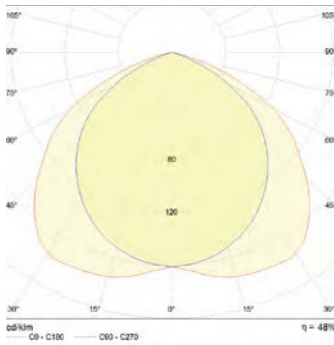
IP20

CE

EN 60598-1

## 2 TUBOS FLUORESCENTES / 2 LAMPS / 2 LAMPES

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
D0946	14	■	587
D0964	14	●	587
D0947	21	■	887
D0965	21	●	887
D0948	28	■	1.187
D0966	28	●	1.187
D0949	35	■	1.487
D0967	35	●	1.487
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
D0950	24	■	587
D0968	24	●	587
D0951	39	■	887
D0969	39	●	887
D0952	49	■	1.487
D0970	49	●	1.487
D0953	54	■	1.187
D0971	54	●	1.187
D0954	80	■	1.487
D0972	80	●	1.487

## ACCESORIOS METALLIC / METALLIC ACCESORIES / ACCESSOIRES METALLIC

Tapa final / End cap / Embout

Ref. D0901

EMERGENCY  
1h / 3h

Lama aluminio / Aluminium louvre / Grille aluminium

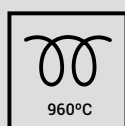
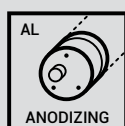
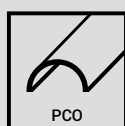
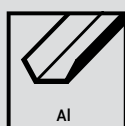
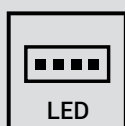
T8		T5	
Mod. (W)	Ref.	Mod. (W)	Ref.
1X18	D0909	1X14-24	D0905
1X36	D0903	1X21-39	D0906
1X58	D0904	1X28-54	D0907
2X18	D0910	1X35-80	D0908
2X36	D0911	2X14-24	D0913
2X58	D0912	2X21-39	D0914
		2X28-54	D0915
		2X35-80	D0916

■ Electrónica / Electronic / Électronique

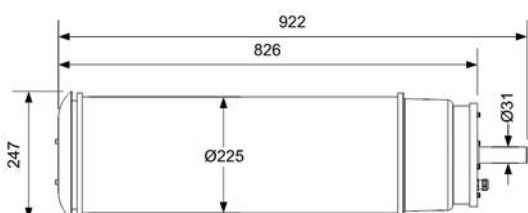
● Regulable / Dimmable / Gradable

# 3.7

## EXTREME LED



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





RG1

MACADAM

3/4

UGR  
<19

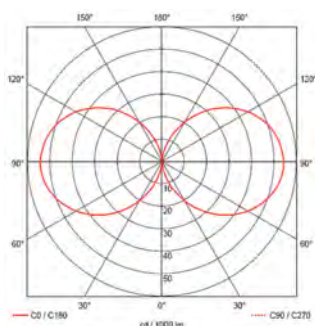
CR>80

L70B50  
>  
50.000

IP20

CE

EN 60598-1



Ref.	Potencia Watts Puissance	Emisión Emission Émission	Largo Length Longueur	Superficie iluminada Illuminated surface Surface éclairé
	(W)	(Lm)	(mm)	(m <sup>2</sup> )
EXT01	735	52.000		2.400

Montaje 1' / Quick start 1' / Montage 1'  
Iluminación 360° / 360° Lighting / Éclairage 360°  
No deslumbramiento / Non glare / Non éblouissant

## ACCESORIOS EXTREME / EXTREME ACCESORIES / ACCESSOIRES EXTREME



Trípode / Tripod / Trépied

Ref. EXT10

# 3.8

## CUADRO DE APLICACIONES / APPLICATIONS CHART / TABLEAU DES APPLICATIONS

	Técnica Technical Technique
<b>Accesos de pública concurrencia</b> Crowded public access <b>Accès publics à forte densité</b>	<b>MINIDELTA, DECO, METALLIC</b>
<b>Aulas de enseñanza</b> Classrooms <b>Salles de classe</b>	<b>DECO, DELTA, METALLIC, MINIDELTA, SUPERDELTA</b>
<b>Comercios y escaparates</b> Shops and shop windows <i>Commerces et vitrines</i>	<b>DELTA, SUPERDELTA, MINIDELTA, CARRIL LED</b>
<b>Iluminación portátil, iluminación de emergencia, eventos</b> Portable lighting, Emergency lighting, Events lighting <i>Éclairage portable, Illumination d'urgence, Éclairage des événements</i>	<b>EXTREME LED</b>
<b>Naves industriales</b> Warehouses <i>Entrepôts industriels</i>	<b>CARRIL LED, DELTA</b>
<b>Oficinas</b> Offices <i>Bureaux</i>	<b>SUPERDELTA, METALLIC, DECO</b>
<b>Supermercados</b> Supermarkets <i>Supermarchés</i>	<b>MINIDELTA, SUPERDELTA</b>



## TABLEAU D'APPLICATIONS





































# ILUMINACIÓN RESIDENCIAL

RESIDENTIAL LIGHTING / ÉCLAIRAGE RÉSIDENTIEL



 **airfal**  
INTERNATIONAL



4.1		<b>CYLINDRIC</b> IP40 IK07 Tubo LED/fluorescente	  	/ 218
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4.9		<b>CUADRO DE APLICACIONES</b> APPLICATIONS CHART TABLEAU D'APPLICANTIONS		/ 238

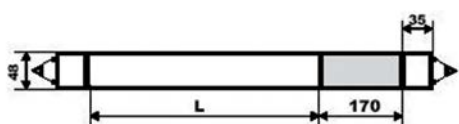
# 4.1

## CYLINDRIC



\*Tubo fluorescente Incluido / Tubo fluorescente incluido / Tubo fluorescente incluido.

### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



### ACCESORIOS ACCESORIES / ACCESSOIRES

Tubo fluorescente tono 840 incluido. Cable de conexión incorporado con enchufe. Dos tubos fluorescentes tono 840 incluidos. Una tapa sellada.

Fluorescent tube tone 840 included. Built-in connection cable with plug. Two 840 tone fluorescent tubes included. A sealed lid.

Tube fluorescent ton 840 inclus. Câble de connexion intégré avec prise. Deux tubes fluorescents 840 inclus. Un couvercle scellé.



IT - DE

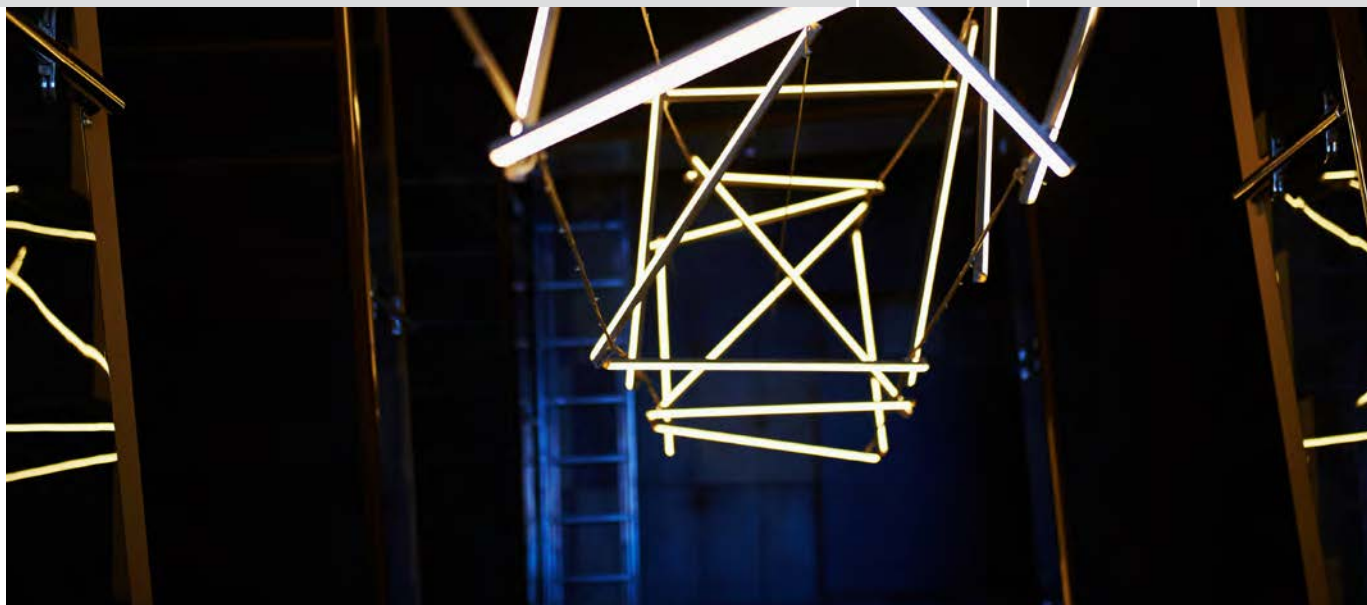


IP40

IK07

CE

EN 60598-1



G5/T5

Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
<b>Alta Eficacia</b> / High Efficiency / Haute Efficacité			
C0501	14 W	■	550
C0502	21 W	■	850
<b>Alto Rendimiento</b> / High Output / Flux Élevé			
C0503	24 W	■	550

■ **Electrónica** / Electronic / Électronique

## ACCESORIOS CYLINDRIC / CYLINDRIC ACCESORIES / ACCESSOIRES CYLINDRIC

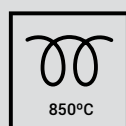
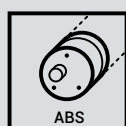
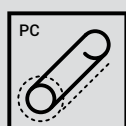
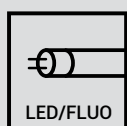


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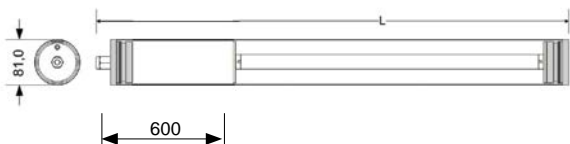
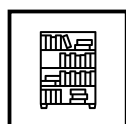
**Suspensión con cable de acero**  
Steel cable suspension  
Suspension avec câble en acier

# 4.2

## CYLINDRIC+



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





IP67

IK07

CE

EN 60598-1



G5/T8

Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
C0505	18 W	■	1.313
C0506	36 W	■	1.923
C0507	58 W	■	2.228

G5/T5

Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
C0508	14 W	■	1.280
C0509	21 W	■	1.570
C0510	28 W	■	1.880
C0511	35 W	■	2.200
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
C0512	24 W	■	1.280
C0513	39 W	■	1.570
C0514	49 W	■	2.200
C0515	54 W	■	1.880
C0516	80 W	■	2.200

■ Electrónica / Electronic / Électronique

**ACCESORIOS CYLINDRIC+ / CYLINDRIC+ ACCESORIES / ACCESSOIRES CYLINDRIC+**



Ref. C0504

Suspensión con cable de acero  
Steel cable suspension  
Suspension avec câble en acier



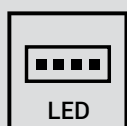
Q0155

Brida de policarbonato  
Polycarbonate clamps  
Colliers en polycarbonate

1-10  
DALI

# 4.3

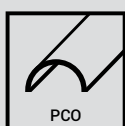
## MIRROR LED



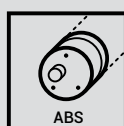
LED



AP/LS/AL

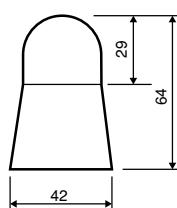
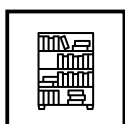


PCO



ABS

**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG1

MACADAM  
3/4

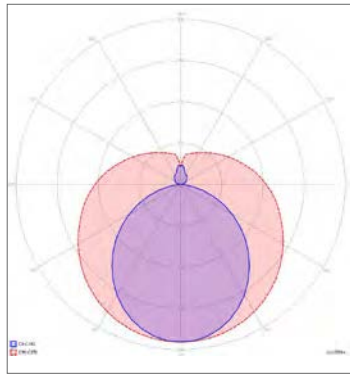
UGR  
<19

CR>80

L70B50  
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50.000

IP44

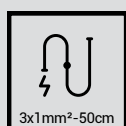
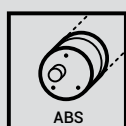
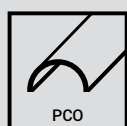
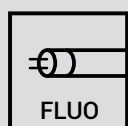
CE  
EN 60598-1



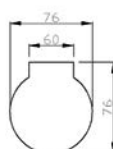
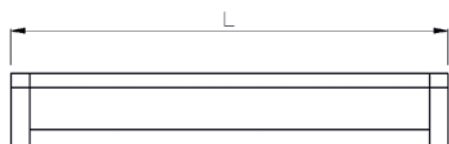
Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Embalaje Packaging Emballage
	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)		
MI113	600	13	1490	1243	3000	635	42	1
MI114	600	13	1550	1293	4000	635	42	1
MI123	600	16	2560	2136	3000	635	42	1
MI124	600	16	2670	2227	4000	635	42	1
MI213	1200	24	2980	2486	3000	1198	42	1
MI214	1200	24	3200	2669	4000	1198	42	1
MI223	1200	32	5120	4271	3000	1198	42	1
MI224	1200	32	5340	4455	4000	1198	42	1
MI313	1500	29	3720	3103	3000	1498	42	1
MI314	1500	29	4000	3337	4000	1498	42	1
MI323	1500	40	6310	5264	3000	1498	42	1
MI324	1500	40	6700	5589	4000	1498	42	1

# 4.4

## MODULAR



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





RG1

MACADAM

3/4

UGR  
<19

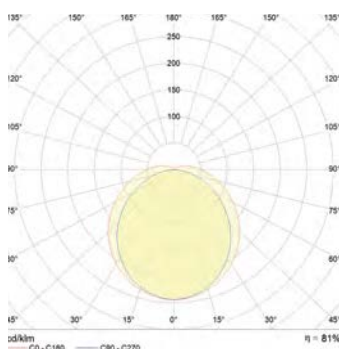
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>  
50.000

IP44

CE

EN 60598-1



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	
M007	600	13	1490	1202	3000	623	76	1
M001	600	13	1550	1251	4000	623	76	1
M008	600	16	2560	2066	3000	623	76	1
M002	600	16	2670	2155	4000	623	76	1
M009	1200	24	2980	2405	3000	1232	76	1
M003	1200	24	3200	2582	4000	1232	76	1
M010	1200	32	5120	4132	3000	1232	76	1
M004	1200	32	5340	4309	4000	1232	76	1
M011	1500	29	3720	3002	3000	1479	76	1
M005	1500	29	4000	3228	4000	1479	76	1
M012	1500	40	6310	5092	3000	1479	76	1
M006	1500	40	6700	5407	4000	1479	76	1

Ref +G o Ref+A para modelo color gris o blanco

Ref+G o Ref+A for grey or white model

Ref+G o Ref+A pour gris ou blanc modele

## ACCESORIOS MODULAR / MODULAR ACCESORIES / ACCESSOIRES MODULAR

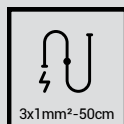
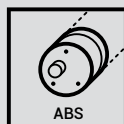
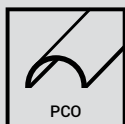
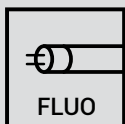
**LÍNEA CONTINUA M0180 Y LÍNEA CONTINUA DE CABECERA M0190**  
CONTINUOUS LINE M0180 AND INITIAL CONTINUOUS LINE M0190  
CÂBLAGE TRAVERSANT M0180 ET CÂBLAGE TRAVERSANT EN TÊTE M0190

Unión  
Union  
Union  
C120B

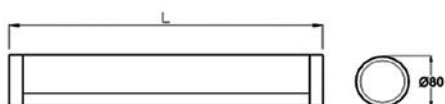
EMERGENCY  
1h / 3h

# 4.5

## SMART



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM  
3/4

UGR  
<19

CR>80

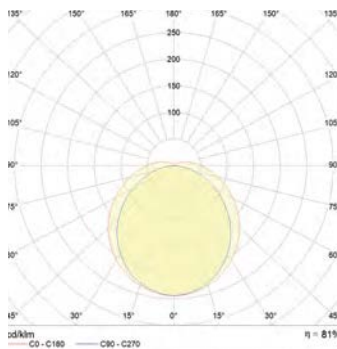
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50.000

IP44

CE  
EN 60598-1



G13/T8



Ref +G o Ref+A para modelo color gris o blanco  
Ref+G o Ref+A for grey or white model  
Ref+G o Ref+A pour gris ou blanc modele

Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	
MO27	600	13	1490	1202	3000	623	80	1
MO21	600	13	1550	1251	4000	623	80	1
MO28	600	16	2560	2066	3000	623	80	1
MO22	600	16	2670	2155	4000	623	80	1
MO29	1200	24	2980	2405	3000	1232	80	1
MO23	1200	24	3200	2582	4000	1232	80	1
MO30	1200	32	5120	4132	3000	1232	80	1
MO24	1200	32	5340	4309	4000	1232	80	1
MO31	1500	29	3720	3002	3000	1479	80	1
MO25	1500	29	4000	3228	4000	1479	80	1
MO32	1500	40	6310	5092	3000	1479	80	1
MO26	1500	40	6700	5407	4000	1479	80	1

## ACCESORIOS SMART / SMART ACCESORIES / ACCESSOIRES SMART

Ref. C0504

Suspensión con cable de acero  
Steel cable suspension  
Suspension avec câble en acier



LÍNEA CONTINUA MO180 Y LÍNEA CONTINUA DE CABECERA MO190  
CONTINUOUS LINE MO180 AND INITIAL CONTINUOUS LINE MO190  
CÂBLAGE TRAVERSANT MO180 ET CÂBLAGE TRAVERSANT EN TÊTE MO190

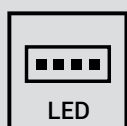
Unión  
Union  
Union  
N120B

1-10  
DALI

EMERGENCY  
1h / 3h

# 4.6

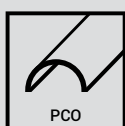
## MODULAR DELUXE



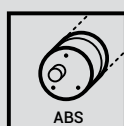
LED



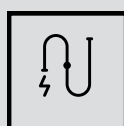
CAP/LSB/CAL



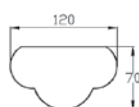
PCO



ABS



**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE





RG1

MACADAM

3/4

UGR  
<19

CR>80

L70B50  
>  
50.000

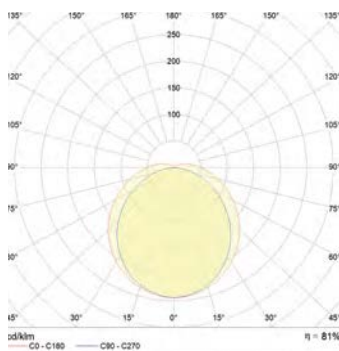
IP44

CE

EN 60598-1



G13/T8



**Ref +G o REF+A para modelo color gris o blanco**

Ref+G o Ref+A for grey or white model

Ref+G o Ref+A pour gris ou blanc modele

Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Embalaje Packaging Emballage
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	
M047	600	13	1490	1243	3000	628	120	6
M041	600	13	1550	1293	4000	628	120	6
M048	600	16	2560	2136	3000	628	120	6
M042	600	16	2670	2227	4000	628	120	6
M049	1200	24	2980	2486	3000	1238	120	6
M043	1200	24	3200	2669	4000	1238	120	6
M050	1200	32	5120	4271	3000	1238	120	6
M044	1200	32	5340	4455	4000	1238	120	6
M051	1500	29	3720	3103	3000	4000	120	6
M045	1500	29	4000	3337	4000	4000	120	6
M052	1500	40	6310	5264	3000	6700	120	6
M046	1500	40	6700	5589	4000	6700	120	6

**ACCESORIOS MODULAR / MODULAR ACCESORIES / ACCESSOIRES MODULAR**

Ref. C0504

**Suspensión con cable de acero**

Steel cable suspension

Suspension avec câble en acier



**LÍNEA CONTINUA MO180 Y LÍNEA CONTINUA DE CABECERA MO190**  
CONTINUOUS LINE MO180 AND INITIAL CONTINUOUS LINE MO190  
CÂBLAGE TRAVERSANT MO180 ET CÂBLAGE TRAVERSANT EN TÊTE MO190

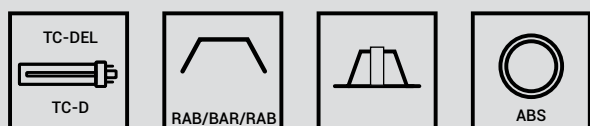
Unión  
Union  
Union

1-10  
DALI

**EMERGENCY**  
1h / 3h

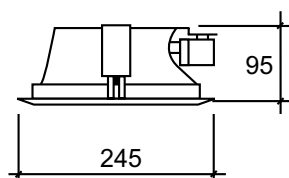
# 4.7

## DOWNLIGHTS



NOT INCLUDED

**APLICACIONES INDICADAS** / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP42

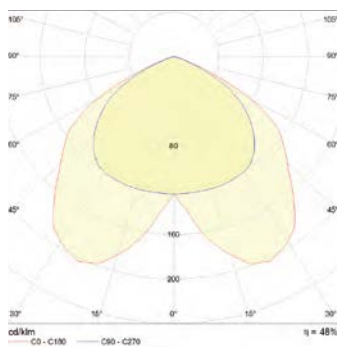
CE

EN 60598-1



**DOWNLIGHT 245 ø**  
**1 LÁMPARA / 1 LAMP / 1 LAMPE**

G24 D/TC-D



Ref.	Potencia Power Puissance (W)	Equipo Equipment Ballast
K320	1x 18 W	■
K324	1x 26 W	■
K360	2x13 W	■
K328	2x18 W	■
K003	2x18 W	●
K332	2x26 W	●
K005	2x26 W	●

■ **Electrónica / Electronic / Électronique** ● **Regulable / Dimmable / Gradable**







**DOWNLIGHT**

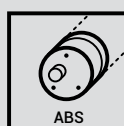
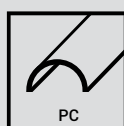
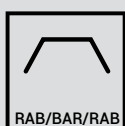
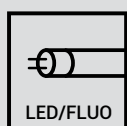
Showroom, Zaragoza, España  
Showroom, Zaragoza, Spain  
Showroom, Saragosse, Espagne

# 4.8

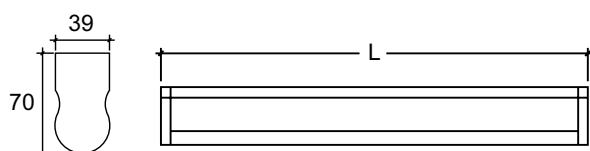
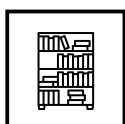
## MODELO 1 / MODEL 1 / MODÈLE 1



Color Colour Couleur	RAL	Ref.
	6018	V
	9010	B
	1021	A
	3000	R
	9011	N
	9006	G



### APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



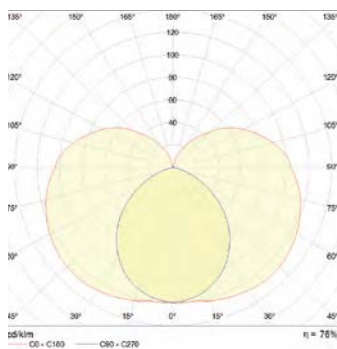
IP42

CE

EN 60598-1

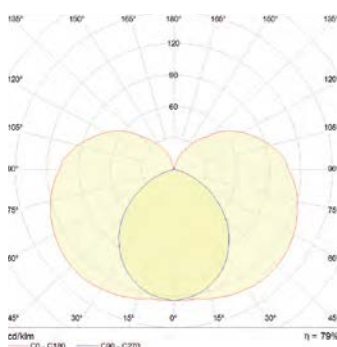


G13/T8



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
A112	18	■	658
A136	18	●	658
A116	36	■	1.266
A140	36	●	1.266
A120	58	■	1.566
A144	58	●	1.566

G5/T5



Ref.	Potencia Watts Puissance	Equipo Equipment Ballast	Largo Lenght Longueur
<b>Alta Eficacia / High Efficiency / Haute Efficacité</b>			
A163	14	■	579
A169	14	●	579
A164	21	■	879
A170	21	●	879
A165	28	■	1.179
A171	28	●	1.179
A166	35	■	1.479
A172	35	●	1.479
<b>Alto Rendimiento / High Output / Flux Élevé</b>			
A167	39 W	■	879
A173	39 W	●	879
A168	54 W	■	1.179
A174	54 W	●	1.179

■ Electrónica / Electronic / Électronique

● Regulable / Dimmable / Gradable

# 4.8

## MODELO 1 / MODEL 1 / MODÈLE 1

### CLASE II / CLASS II / CLASSE II



Modelo / Model / Modèle	Ref.
Conversión Clase II / Class II conversion	A6000

### ACCESORIOS MODELO 1 / MODEL 1 ACCESSORIES / ACCESSOIRES MODÈLE 1



T8	Ref.	A0540	A0550	A0570	A0580	A0590
	Mod.	15 W	18 W	30 W	36 W	58 W

Difusor  
Diffuser  
Diffuseur

T8	Ref.	A1570	A1580	A1590	A1600	A1610	A1620
	Mod.	14 W	21 W	28 W	35 W	39 W	54 W



Ref.	A086	A148	A111	A050	A051	A052	A053
	Interruptor Switch Interrupteur	Enchufe Socket Prise de courant	Soporte giratorio Revolving support Support tournant	Adaptador línea continua Continuity adapter Adaptateur ligne continue	Adaptador ángulo Angle adapter Adaptateur angle	Adaptador "T" "T" adapter Adaptateur "T"	Adaptador "X" "X" adapter Adaptateur "X"

Color Colour Couleur	RAL	Ref.
	9010	B
	9011	N



IP44

CE

EN 60598-1

## ACCESORIOS SUSPENSIÓN / SUSPENSION ACCESSORIES / ACCESSOIRES DE SUSPENSION



**Cuerpo superior**  
Upper body  
Corps supérieur

T8	Ref.	A098	A099	A101	A102	A102
	Mod.	15 W	18 W	30 W	36 W	58 W

T5	Ref.	A175	A176	A177	A178	A179	A180
	Mod.	14 W	21 W	28 W	35 W	39 W	54 W

Ref.	A105	A106	A107	A108
Mod.	Tija 250 mm Stem 250 mm Tige 250 mm	Tija 500 mm Stem 500 mm Tige 500 mm	Tija 1000 mm Stem 1000 mm Tige 1000 mm	Tija 1500 mm Stem 1500 mm Tige 1500 mm



**Tija de tubo**  
Tube stem  
Tige de tube



Ref. A0970

**Adaptador cuerpo superior**  
Upper body adapter  
Adaptateur corps supérieur



A087

**Adaptador superior final**  
Final upper adapter  
Adaptateur supérieur final



A089

**Adaptador superior continuo**  
Continuous upper adapter  
Adaptateur supérieur continue



A091

**Adaptador superior ángulo**  
Angle upper adapter  
Adaptateur supérieur angle



Ref. A0970

**Adaptador superior "T"**  
"T" upper adapter  
Adaptateur supérieur "T"



A087

**Adaptador superior "X"**  
"X" upper adapter  
Adaptateur supérieur "X"



A089

**Cable de acero**  
Steel cable  
Câble en acier



A091

**Suspensiones extensibles**  
Extendable suspensions  
Suspensions extensibles



# 4.9

## CUADRO DE APLICACIONES / APPLICATIONS CHART /

	<b>Residencial</b> Residential <i>Résidentiel</i>
<b>Accesos de pública concurrencia</b> Crowded public access <i>Accès publics à forte densité</i>	<b>CYLINDRIC + MIRROR LED SMART</b>
<b>Aulas de enseñanza</b> Classrooms <i>Salles de classe</i>	<b>DOWNLIGHTS MODULAR DELUXE</b>
<b>Comercios y escaparates</b> Shops and shop windows <i>Commerces et vitrines</i>	<b>DOWNLIGHTS</b>
<b>Salones de eventos</b> Event rooms <i>Salons des événements</i>	<b>CYLINDRIC</b>
<b>Oficinas</b> Offices <i>Bureaux</i>	<b>DOWNLIGHTS MODULAR SMART</b>
<b>Supermercados</b> Supermarkets <i>Supermarchés</i>	<b>DOWNLIGHTS SMART</b>
<b>Mobiliario residencial</b> Residential furniture <i>Meubles résidentiels</i>	<b>MIRROR LED CYLINDRIC</b>



## TABLEAU D'APPLICATIONS











**TR3 OPAL / MATTE / OPALE**

Parking Serrano Park, Madrid, España  
Serrano Park parking, Madrid, Spain  
Parking Serrano Park, Madrid, Espagne



airfal  
INTERNATIONAL



airfal  
INTERNATIONAL

**5.1 KITS DE EMERGENCIA**  
EMERGENCY KIT  
*ÉCLAIRAGE DE SECOURS*



# 5.1

## KITS DE EMERGENCIA / EMERGENCY KIT / ÉCLAIRAGE D

### MODOS DE PROTECCIÓN / PROTECTION MODES / MODES DE PROTECTION

Modelo Model Modèle	Portalámparas Lampholder Douille	Portalámparas Lampholder Douille
Delta, Superdelta, Modelo M, Deco, Metallic, TR2, TR3, Secure, Resist, Cobra y Nevada,	T8: Desde / From / À partir de 18 W T5: Desde / From / À partir de 14 W	T8: Desde / From / À partir de 30 W T5: Desde / From / À partir de 21 W
Supra T8 y Supra T5	T8: Desde / From / À partir de 18 W T5: Desde / From / À partir de 14 W	T8: Desde / From / À partir de 36 W T5: Desde / From / À partir de 28 W
Minidelta y Modelo 1	T8: Desde / From / À partir de 30 W T5: Desde / From / À partir de 21 W	T8: Desde / From / À partir de 30 W T5: Desde / From / À partir de 21 W
Downlight, TR4, Compact, TR1, Tunnel, Pyros, Vitra y Chemical	Todas / All / Tous	Todas / All / Tous

	Wattios Watts Puissance	Rendimiento Efficiency Rendement	Autonomía Autonomy Autonomie
OEM02	T8 - 18	27%	1 h.
	T8 - 36	22%	1 h.
	T8 - 58	20%	1 h.
OEM04	T8 - 18	18%	1 h.
	T8 - 36	9%	1 h.
	T8 - 58	6%	1 h.
	T5 - 14	20%	1 h.
	T5 - 21	18%	1 h.
	T5 - 24	18%	1 h.
	T5 - 28	12%	1 h.
	T5 - 35	9%	1 h.
	T5 - 39	9%	1 h.
	T5 - 49	7%	1 h.
	T5 - 54	6%	1 h.
T5 - 49	4%	1 h.	
OEM05	T8 - 18	12%	3 h.
	T8 - 36	10%	2 h.
	T8 - 58	9%	1,5 h.
OEM06	MODULOS LED	CONSULTAR	1/3 h.



DE SECOURS

IK0 Z7

CE

IP40

CLASE I



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6.1	<b>CONDICIONES DE VENTA</b> CONDITIONS GÉNÉRALES DE VENTE <i>DONNÉES TECHNIQUES</i>	/ 248
6.2	<b>INDICE DE REFERENCIAS</b> INDEX OF REFERENCES <i>INDEX DES RÉFÉRENCES</i>	/ 254

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# 6.1

## CONDICIONES GENERALES DE VENTA

### CONDICIONES GENERALES DE VENTA

1. Las condiciones de venta son para mercancía puesta en nuestra fábrica en Zaragoza, por consiguiente, los riesgos de transporte son por cuenta del comprador.
2. Para pedidos superiores a 600 € netos los portes serán a nuestro cargo, excepto en Bases y Esferas que viajarán siempre a portes debidos. Para los pedidos fuera de la Península, para que las mercancías viajen a portes pagados serán de una cuantía superior a 750 €.
3. El pedido mínimo será de 50 €. En caso de no alcanzar dicha cantidad se cobrarán 20 € por gastos de gestión.
4. Tubos protectores siempre cantidades según embalaje.
5. Reclamaciones:
  - a) Como consecuencia del transporte: Se aceptarán en un plazo máximo de las 24 horas siguientes a la recepción de la mercancía, acompañando fotocopia del albarán de la Agencia de Transporte en el que constará la incidencia de rotura, mal estado, etc...
  - b) Como consecuencia de faltas numéricas: Se aceptarán en un plazo máximo de las 24 horas siguientes al día de recepción.
6. Devoluciones:

Pasados 15 días de la recepción de una mercancía, el cliente no podrá realizar ninguna clase de reclamación ni devolución de las mismas.

No se aceptan devoluciones de material, salvo previo acuerdo y autorización por nuestra parte, efectuadas por escrito.

Los aparatos devueltos sólo se abonarán, como máximo, con el 80% de su valor en factura. Los portes de la devolución correrán por parte del cliente.

7. Este catálogo anula a todos los anteriores.

La información publicada en este catálogo ha sido cuidadosamente recopilada y es suficientemente precisa para la gran mayoría de las aplicaciones. Sin embargo, debido al continuo desarrollo y mejora en nuestros productos, pueden introducirse modificaciones en el material, diseño, especificaciones técnicas y homologaciones sin previo aviso.

Por todo ello, los esquemas deben ser tomados únicamente como referencia y recomendamos confirmar dimensiones antes de realizar el pedido.

8. AIRFAL INTERNATIONAL garantiza que sus luminarias están libres de defectos de fabricación desde la fecha de fabricación, durante un periodo de dos años.

Esta garantía está condicionada al apropiado almacenamiento, instalación y mantenimiento del producto. Esta garantía no es aplicable a cualquier producto que no haya sido instalado de acuerdo con la Reglamentación Eléctrica aplicable, los Estándares de Seguridad de AENOR, los estándares definidos por la ISO, y cualquier otra legislación local aplicable. Esta garantía no cubre los daños en cualquier luminaria debidos al abuso, mal uso, esfuerzos excesivos o fuera de lo normal y condiciones de operación para los que no está diseñada cada luminaria, así como contra sobre tensiones o instalación no adecuada. Todas las luminarias deben probarse antes de su instalación definitiva.

Esta garantía solo es aplicable al comprador original o en su caso al

primer usuario final. Si un producto cubierto por esta garantía presenta cualquier defecto de fabricación, deberá ponerse en contacto con nuestro departamento de Calidad / Soporte Técnico para seguir el procedimiento que marca nuestro Servicio de Garantía. El Departamento de Calidad indicará al cliente los pasos a seguir.

### CONDICIONES GENERALES DE GARANTÍA DE PRODUCTO

AIRFAL INTERNATIONAL S.L. garantiza el funcionamiento de sus productos contra cualquier defecto en los materiales y mano de obra empleados para su fabricación de forma estándar durante DOS años desde la fecha de suministro. Se ofrece de forma adicional una extensión legal obligatoria de 6 meses (Ley 23/2003) contando desde la fecha de suministro para compensar posibles demoras por almacenamiento.

De forma adicional AIRFAL INTERNATIONAL ofrece una garantía adicional de CINCO (5) años para componentes LED (Módulos y drivers) que tengan una vida media estimada por el fabricante de 50000 o más horas.

Igualmente, el período de garantía de la reparación o reposición de productos AIRFAL INTERNATIONAL S.L. se extiende a los 2 ó 5 años especificados en esta extensión de la Garantía legal.

Para hacer efectiva dicha garantía se deberá tramitar la correspondiente reclamación, por escrito, a nuestro departamento Calidad-Gestión de incidencias.

Nuestra garantía incluye la reparación, reposición, o cambio del producto y/o componentes sin cargo alguno para el cliente, excluyendo mano de obra, así como los gastos de transporte derivados del cumplimiento de garantía.

#### 1. Cobertura de Garantía.

La presente garantía cubre si se cumplen las siguientes condiciones:

- 1.1.- El producto suministrado se utiliza conforme a las especificaciones de la Ficha Técnica, relativas tanto al Producto como a su empleo.
- 1.2.- Las prestaciones luminosas (flujo) de sus productos LED durante el período de garantía se mantendrán según los datos técnicos ofrecidos en la ficha técnica del módulo led utilizado en cada luminaria admitiendo una tolerancia del 5 %.
- 1.3.- Para productos instalados en exterior una utilización máxima anual media de 4.000 horas y que se utilicen respetando las especificaciones técnicas y las instrucciones de instalación.
- 1.4.- Si el producto ha estado funcionando en el rango de temperatura ambiente especificado en su correspondiente ficha técnica.
- 1.5.- Si la instalación y/o montaje del Producto se han realizado conforme a las instrucciones que acompañan al Producto, y por personal técnico especializado.
- 1.6.- Si el Producto no se ha expuesto a cargas mecánicas no conformes a su uso previsto.
- 1.7.- En lo referente a los equipos electrónicos, si el producto se ha instalado con lámparas conformes a las especificaciones IEC correspondientes y en vigor en el momento de la adquisición. En el caso de utilizar lámparas o fuentes de luz especiales, se deberá consultar a AIRFAL INTERNATIONAL S.L. antes de la adquisición del producto.



1.8.- Si el Cliente conserva el Producto que ha resultado presuntamente defectuoso en el estado en que se encuentre (incluida la lámpara) durante todo el tiempo que sea necesario para que AIRFAL INTERNATIONAL S.L. pueda llevar a cabo las comprobaciones necesarias en relación a los problemas o defectos encontrados. NO se atenderán reclamaciones de productos que hayan sufrido cualquier modificación, alteración en su cableado o mecanización de cualquiera de sus partes.

1.9.- Si el presunto defecto, debidamente especificado y comprobado en su naturaleza y entidad, ha sido comunicado por escrito por el Cliente a AIRFAL INTERNATIONAL S.L. en un plazo máximo de treinta (30) días tras su descubrimiento.

1.10.- Si el Cliente ha pagado regularmente el Producto, de acuerdo con las condiciones de pago establecidas con AIRFAL INTERNATIONAL S.L.

1.11.- Si el producto ni ninguna de sus partes han sido reparados, sustituidos, ajustados, sellados o modificados en cualquiera de sus partes por el cliente ni por ninguna otra persona sin la autorización previa y por escrito de AIRFAL INTERNATIONAL S.L.

## **2. La Garantía no será válida en relación a:**

2.1.- Los defectos del Producto debidos a eventos imprevistos e impredecibles, fortuitos y/o de fuerza mayor (incluyendo descargas eléctricas, rayos, averías en la red...), que excluyan al proceso de fabricación del Producto como origen de los mismos.

*\*Si el producto se instala en un ambiente o entorno químicamente agresivo, se informará previamente a AIRFAL INTERNATIONAL S.L. por escrito, que indicará las precauciones a tener en cuenta, así como las acciones periódicas de mantenimiento.*

2.2.- Los defectos derivados de descargas eléctricas, transitorios, y cualquier otro fenómeno eléctrico derivado de posibles perturbaciones con origen en la alimentación eléctrica de la luminaria, incluidos los contemplados en la norma IEC 61000-4-5 (EMC). Esta garantía NO cubrirá ningún producto que integre equipos electrónicos instalados en una red eléctrica con un THD superior al 10%. (1)

2.3.- Los gastos que se deriven de la reparación del defecto (por ej., los gastos de montaje o desmontaje, el transporte del Producto defectuoso y del Producto reparado o nuevo, gastos de disposición, gastos de manutención y alojamiento, dispositivos de elevación o andamiaje); dichos gastos irán a cargo del Cliente.

2.4.- Las partes sujetas a desgaste, como por ejemplo las lámparas.

2.5.- Fallo súbito igual o menor al diez por ciento (10 %) de la cifra total del número de semiconductores LED (con redondeo a la unidad más próxima) de un producto durante el periodo de garantía.

2.6.- Fallo súbito igual o menor del cinco por ciento (5 %) de la cifra total de Drivers en luminarias LED (con redondeo a la unidad más próxima) de un producto durante el periodo de garantía.

2.7.- Sistemas de control adicionales no suministrados por AIRFAL INTERNATIONAL S.L., tales como elementos de mando y control, sensores, interfaces etc...

2.8.- Piezas, elementos y accesorios añadidos al producto no suministrados por AIRFAL INTERNATIONAL S.L. con posterioridad a su entrega.

2.9.- Desgaste normal del producto.

2.10.- Uso de detectores de presencia. AIRFAL INTERNATIONAL S.L.

no recomienda el uso de detectores de presencia con corte de alimentación en luminarias fluorescentes. En el caso de usarlos, la garantía del producto no cubrirá ninguna luminaria cuyo tiempo de funcionamiento sea inferior a 20 minutos de encendido por detección. El detector deberá actuar sobre la fase, nunca sobre el neutro. Cortar el neutro origina sobretensiones que causan averías en los balastos.

En caso de que los Productos presentaran defectos cubiertos por esta declaración de Garantía, y siempre que se verifiquen las condiciones establecidas, AIRFAL INTERNATIONAL S.L. podrá proceder, a su discreción, a la reparación y/o sustitución de los mismos con productos iguales o equivalentes, de acuerdo con los avances tecnológicos que se hayan producido respecto a los originales.

Además, AIRFAL INTERNATIONAL S.L. cubrirá eventuales gastos derivados del cambio de luminarias en obra hasta un máximo de 10 minutos de mano de obra por punto de luz.

El Cliente no tendrá ningún otro derecho a reclamar a AIRFAL INTERNATIONAL S.L. en relación con el Producto defectuoso. En particular, no podrán debitarse a AIRFAL INTERNATIONAL S.L. eventuales gastos de conservación del Producto defectuoso / viciado, ni ninguna otra indemnización o resarcimiento de daños; el Cliente tampoco tendrá derecho a reclamar y/o pretender aplazamientos en los pagos.

(1) La creciente sofisticación y complejidad de los equipos de alimentación y control de las luminarias, hace que a la vez sean más sensibles a perturbaciones eléctricas de todo tipo. Por ello, las luminarias equipadas con módulos led que sean fabricadas a petición del cliente con aislamiento Clase II y por lo tanto sin conexión de tierra, al carecer de este importantísimo conductor de protección, NO pueden ser garantizadas durante 5 años como el resto (Clase I).

(2) Las luminarias equipadas con tubos LED, estarán sujetas a dos diferentes condiciones de garantía:

i. Con tubos LED suministrados por AIRFAL. En este caso, la garantía será la del tubo suministrado, usualmente, dos años.

ii. Si se suministran preparadas para tubos led no suministrados por AIRFAL, la garantía quedará sujeta a las características del tubo utilizado por el cliente. En ningún caso AIRFAL será responsable de fallos de funcionamiento del tubo led utilizado por el cliente, ni de daños en la luminaria causados por el tubo mismo.

# 6.1

## GENERAL SALES TERMS

### GENERAL SALES TERMS

1. The sales terms apply to merchandise EXWORKS Zaragoza, therefore, the transport risks are accountable to the buyer.
2. The minimum order is 50€. In case of not reaching this quantity, 20€ will be charged as order expenses.
3. Protective tube quantities will always have to be ordered by complete boxes.
4. Claims:
  - a) As a consequence of transport: Will be accepted in a maximum period of 24 hours following reception of the merchandise, accompanied by photocopy of the Transport Delivery Note in which it will state the brakeage, bad condition, etc.
  - b) As a consequence of missing pieces: Will be accepted in a maximum period of 24 hours following date of reception.

#### 5. Returns:

Passed 15 days of merchandise reception, the customer will not be able to make any kind of claim or return.

Merchandise returns will not be accepted, except previous agreement and authorization by our part, stated in writing.

#### 6. This catalogue cancels all previous ones.

The information published in this catalogue has been carefully collected and is sufficiently precise for most of applications. However, due to the continuing developing and improving of our products, modifications can be introduced in the materials, design, technical specifications and certifications without previous notice.

For all this, the measurements must be only taken as a reference and we recommend confirming dimensions before placing orders.

#### 7. AIRFAL INTERNATIONAL, S.L. guarantees that its light fixtures are free of manufacturing defects and labor employed for its producing in a standard manner during TWO years from supply date.

This guaranty is conditioned to the proper stocking, installation and maintenance of the product. This guaranty is not applicable to any product that hadn't been installed in accordance with the applicable Electrical Norms, the AENOR Safety standards, the ISO defined standards, and other applicable local legislation. This guaranty does not cover damage in any light fixture due to misuse, excessive force or out of the ordinary and operating conditions that each luminaire is not designed for, as well as against overload or inadequate installation. All luminaries must be tested before final installation.

This guaranty is only applicable to the original buyer or in its case to the first final user. If a guaranty covered product presents any manufacturing defect, contact must be made to our Technical/Quality Department to follow the procedure marked by our Guaranty Service. The Quality Department will indicate to the client the steps to take.

### GENERAL PRODUCT WARRANTY CONDITIONS

AIRFAL INTERNATIONAL S.L. guarantees the performance of its products against any defect in materials and workmanship employed for their standard manufacture for TWO years from the date of delivery. Additionally a mandatory legal extension of 6 months (law 23/2003)

is offered, counting from the date of delivery to compensate possible delays for storage.

Additionally, AIRFAL INTERNATIONAL offers an additional guarantee of five (5) years for LED components (modules and drivers) that have an average estimated life by the manufacturer of 50000 or more hours.

Likewise, the period of warranty of repair or replacement of AIRFAL INTERNATIONAL S.L. products extends to 2 or 5 years specified in this extension of the legal warranty.

To make effective such warranty the corresponding claim shall be processed, in writing, to our Quality-Technical Department.

Our warranty covers the repair, replacement, or change of the product and/or components without charge to the customer, excluding labor, as well as transport costs resulting from the fulfilment of the warranty.

#### 1. Warranty coverage.

The present warranty covers if the following conditions are met:

- 1.1 The supplied product is used in accordance with the technical datasheet specifications, regarding both the product and its use.
- 1.2. The luminous performance (flow) of its LED products during the warranty period will be maintained according to the technical data in the technical datasheet of the led module used in each fixture allowing a tolerance of 5%.
- 1.3. For products installed outdoors an annual maximum utilization average of 4,000 hours and will have to be used according to technical specifications and installation instructions.
- 1.4 If the product has been operating in the temperature range specified on its corresponding technical data sheet.
- 1.5 If the installation and/or assembly of the product has been carried out according to the instructions accompanying the product, and by specialized technical personnel.
- 1.6. If the product has not been exposed to mechanical loads not conforming to its intended use.
- 1.7. In relation to electronic equipment, if the product has been installed with lamps in conformity with the corresponding IEC specifications and valid at the time of purchase. In the case of using special lamps or light sources, consult AIRFAL International S.L. before purchasing the product.
- 1.8. If the customer preserves the product which has been allegedly defective in the state in which it is found (including the lamp) for as long as it is necessary for AIRFAL international S.L. to carry out the necessary verifications in relation to the problems or defects encountered. No claims will be made for products that have undergone any modification, alteration in their wiring or mechanization of any of their parts.
- 1.9. If the alleged defect, duly specified and verified in its nature and entity, has been communicated in writing by the client to AIRFAL International S.L. in a maximum period of thirty (30) days after its discovery.
- 1.10. If the customer has paid the product normally, according to the payment conditions established with AIRFAL International S.L.
- 1.11. If the product or any of its parts have been repaired, replaced,

adjusted, sealed or modified in any part by the customer or by any other person without the prior written permission of AIRFAL International S.L.

## 2. The warranty will not be valid in relation to:

2.1. The defects of the product due to unforeseen and unpredictable, accidental events and of major force (including lightning, rays, faults in the network...), that excluded the manufacturing process of the product as the source of them.

\* If the product is installed in a chemically aggressive environment, AIRFAL INTERNATIONAL S.L. will have to be informed previously in writing, who will indicate the precautions to take into account, as well as periodic maintenance actions"

2.2 The defects resulting from lightning, transient, and any other electrical phenomenon resulting from perturbations with origin in the power supply of the luminaire, including those referred to in the standard IEC 61000-4-5 (EMC). This warranty will not cover any product that integrates electronic equipment installed in an electrical network with a THD greater than 10% (1)

2.3. The costs arising from the repair of the defect (e.g., expenses of installation and/or disassembly, transport of the defective product and the repaired or new product, provision, maintenance and accommodation expenses, scaffolding or lifting devices); such costs shall be payable by the customer.

2.4 The parts subject to wear and tear, such as for example the lamps.

2.5 Sudden failure equal to or less than ten per cent (10%) of the total number of LED semiconductors (rounding to the nearest unit) of a product during the warranty period.

2.6. Sudden failure equal to or less than five percent (5%) of the total number of Drivers in LED luminaires (rounding to the nearest unit) of a product during the period of warranty.

2.7 Additional control systems not supplied by AIRFAL INTERNATIONAL S.L., such as elements of command and control, sensors, interfaces etc...

2.8 Parts, elements and accessories added to the product not supplied by AIRFAL INTERNATIONAL S.L. subsequently to its delivery.

2.9. Normal wear of the product.

2.10 Use of presence detectors. AIRFAL INTERNATIONAL S.L. does not recommend the use of detectors with power cuts in fluorescent lighting fixtures. In the case of using them, the product warranty will not cover any luminaire whose running time is less than 20 minutes from the start detection. The detector must act on the phase, never on the neutral. To cut neutral causes surges that cause faults in the ballasts.

In the case of a product would present defects covered by this warranty declaration, and whenever conditions are verified, AIRFAL INTERNATIONAL S.L. may undertake, at its discretion, the repair and/or replacement of the same or equivalent product, in accordance with the technological advances that have occurred to the original product.

The customer will not have any other right to claim to AIRFAL INTERNATIONAL S.L. in relation to the defective product. In particular, may not debit AIRFAL INTERNATIONAL SL /eventual conservation expenses of the defective product, nor any other indemnity or compensa-

tion for damages. Customer is not entitled to claim or ask for a delay in payment.

(1) The increasing sophistication and complexity of power and control equipment in the luminaires, makes it to be more sensitive to electrical disturbances of all kinds. For this reason, luminaires equipped with led modules that are manufactured at the request of the client with insulation class II and therefore without ground connection, in the absence of this very important protective conductor, can not be guaranteed for 5 years like the rest (class I).

(2) The luminaires fitted with LED tubes, will be subject to two different conditions of warranty:

- i. With LED tubes supplied by AIRFAL. In this case, the warranty will be the one of the supplied tube, usually two years.
- ii. If the luminaire is supplied prepared for led tubes not supplied by AIRFAL, the warranty will be subject to the characteristics of the led tube used by the client. In no case AIRFAL will be responsible for malfunctions of the led tube used by the client, or damage in the fixture caused by the same tube.

# 6.1

## CONDITIONS GÉNÉRALES DE VENTE

### CONDITIONS GÉNÉRALES DE VENTE

1. Les conditions générales de vente sont applicables aux marchandises disponibles dans notre usine à Saragosse, par conséquent les risques inhérents au transport sont supportés par l'acheteur.

2. La commande minimum est de 50 €. Pour les commandes inférieures à ce montant, des frais de gestion de 20 € seront facturés.

3. Tubes de protection toujours des quantités en fonction de l'emballage.

4. Réclamations :

a) Détérioration pendant le transport : Toute réclamation devra être effectuée dans les 24 heures suivant la réception de la marchandise, en joignant une photocopie du bon de livraison de l'agence de transport faisant état de la détérioration, du mauvais état, etc.

b) Erreur dans le nombre de produits : Toute réclamation devra être effectuée dans les 24 heures suivant la réception.

5. Retours :

Passé un délai de 15 jours après réception de la marchandise, aucune réclamation ou retour ne sera accepté.

Aucun retour de matériel n'est accepté, sauf accord préalable et autorisation écrite de notre part.

Les appareils retournés seront remboursés à hauteur de maximum 80 % de leur montant facturé. Les frais de retour seront à la charge du client.

6. Ce catalogue annule tous les précédents catalogues.

Les informations publiées dans ce catalogue ont été soigneusement recueillies et sont suffisamment précises pour la plupart des applications. Toutefois, en raison du développement continu et de l'amélioration de nos produits, des modifications peuvent être apportées au matériel, à la conception, aux spécifications techniques et aux homologations, sans préavis.

Par conséquent, les schémas ne doivent être utilisés qu'à titre de référence et nous vous recommandons de confirmer les dimensions avant de passer commande.

7. AIRFAL INTERNATIONAL garantit ses luminaires contre tout défaut de fabrication, à compter de la date de fabrication et ce pour une période de deux ans.

Pour bénéficier de cette garantie, le produit doit être convenablement stocké, installé et entretenu. Cette garantie ne s'applique pas aux produits dont l'installation n'est pas conforme à la réglementation générale applicable aux matériels électriques, aux normes de sécurité AENOR, aux normes définies par l'ISO et à toute autre législation locale applicable. Cette garantie ne couvre pas les dommages causés aux luminaires en raison d'abus, de mauvaise utilisation, de contraintes excessives ou inhabituelles et de conditions d'utilisation autres que celles prévues pour chaque luminaire, ou du fait de surtensions ou d'une installation inappropriée. Tous les luminaires doivent être testés avant leur installation définitive.

Cette garantie s'applique uniquement à l'acheteur original, ou au premier utilisateur final le cas échéant. Si un produit couvert par cette garantie présente un défaut de fabrication, veuillez contacter notre département qualité/support technique pour suivre la procédure éta-

blie par notre service de garantie. Le département qualité vous indiquera les démarches à suivre.

### CONDITIONS GÉNÉRALES DE GARANTIE DES PRODUITS

AIRFAL INTERNATIONAL SL garantit le fonctionnement de ses produits contre tout vice au niveau de la main-d'œuvre et du matériel utilisés pour leur fabrication, et ce de manière standard pendant 2 ans à compter de la date de fourniture. Une extension légale obligatoire de 6 mois (loi 23/2003) est proposée en complément à compter de la date de fourniture en vue de compenser les retards éventuels provoqués par l'entreposage.

En outre, la société AIRFAL INTERNATIONAL propose une garantie supplémentaire de 5 ans valable sur tous les composants LED (modules et drivers) dont la durée de vie moyenne estimée par le fabricant s'élève à 50 000 heures ou plus.

De même, la période de garantie des produits AIRFAL INTERNATIONAL SL réparés ou remplacés est étendue à 2 ou 5 ans (en fonction de la nature du composant), comme spécifié dans cette extension de la garantie légale.

Pour faire valoir cette garantie, une réclamation doit être adressée par écrit à notre département Qualité-Gestion des incidents.

Notre garantie comprend la réparation, le remplacement ou le changement du produit et/ou du composant sans frais pour le client, à l'exception des coûts relatifs à la main-d'œuvre ainsi que des frais de transport afférents à l'application de la garantie.

#### 1. Couverture de la garantie

La couverture de cette garantie s'applique lorsque les conditions ci-dessous sont respectées :

1.1.- Le produit fourni est utilisé conformément aux spécifications de la fiche technique relatives au produit ainsi qu'à son utilisation.

1.2.- Les performances lumineuses (flux) des produits LED sont préservées pendant la période de garantie selon les données techniques spécifiées sur la fiche technique du module LED utilisé sur chaque luminaire, avec une tolérance autorisée de 5 %.

1.3.- L'utilisation annuelle moyenne maximale des produits installés à l'extérieur est de 4 000 heures, ces derniers étant utilisés dans le respect des spécifications techniques et des consignes d'installation.

1.4.- Le produit a été mis en fonctionnement dans la plage de température ambiante spécifiée sur la fiche technique.

1.5.- L'installation et/ou le montage ont été réalisés par du personnel technique spécialisé conformément aux consignes fournies avec le produit.

1.6.- Le produit N'A PAS été soumis à des contraintes mécaniques non conformes à l'usage prévu.

1.7.- En ce qui concerne les équipements électroniques, le produit a été installé avec des lampes conformes aux spécifications CEI en vigueur lors de l'acquisition. En cas d'utilisation de lampes ou de sources lumineuses spéciales, il convient de consulter AIRFAL INTERNATIONAL SL avant de procéder à l'achat du produit.

1.8.- Le client conserve le produit présumé défectueux en l'état dans



lequel il se trouve (lampe comprise) pendant toute la durée nécessaire afin qu'AIRFAL INTERNATIONAL SL puisse mener à bien les vérifications pertinentes concernant les problèmes ou les défauts relevés. AUCUNE réclamation déposée au sujet de produits ayant subi des modifications, dont le câblage a été altéré ou dont certaines pièces ont été réusinées NE SERA TRAITÉE.

1.9. - Le défaut présumé, dont la nature et l'ampleur sont convenablement spécifiées et vérifiées, a été communiqué par écrit par le client à AIRFAL INTERNATIONAL SL dans un délai maximum de 30 jours à compter de son constat.

1.10. - Le client a réglé le montant du produit conformément aux conditions de paiement convenues avec AIRFAL INTERNATIONAL SL.

1.11. - Ni le produit ni l'une de ses parties n'ont fait l'objet d'une réparation, d'un remplacement, d'un réglage, d'un scellage ou d'une modification par le client ou par toute autre personne sans l'autorisation écrite préalable d'AIRFAL INTERNATIONAL SL.

## 2. La garantie ne couvre pas :

2.1. - Les défauts du produit provoqués par des événements imprévisibles et imprévisibles, des situations fortuites et/ou des cas de force majeure (décharges électriques, foudre, pannes du réseau électrique, etc.), dont l'origine ne met pas en cause le processus de fabrication.

\*Si le produit est installé dans un environnement ou un milieu chimiquement agressif, la société AIRFAL INTERNATIONAL SL doit en être préalablement tenue informée par écrit afin qu'elle puisse spécifier les précautions à prendre en compte ainsi que les actions de maintenance régulière à réaliser.

2.2. - Les défauts dérivés de décharges électriques, de régimes transitoires et de tout autre phénomène électrique lié à des perturbations potentielles en provenance de l'alimentation électrique du luminaire, y compris les défauts visés dans la norme CEI 61000-4-5 (EMC). Cette garantie NE couvre AUCUN produit intégrant des équipements électroniques installés sur un réseau électrique dont le taux de distorsion harmonique (THD) est supérieur à 10 %. (1)

2.3. - Les coûts afférents à la réparation du défaut (coûts de montage ou de démontage, frais de transport du produit défectueux et du produit réparé ou neuf, frais de mise à disposition, frais de déplacement et de séjour, coûts des dispositifs de levage ou des échafaudages utilisés, etc.), qui sont pris en charge par le client.

2.4. - Les parties soumises à l'usure (lampes, par exemple).

2.5. - Une défaillance soudaine inférieure ou égale à 10 % du nombre total de semi-conducteurs LED (arrondi à l'unité la plus proche) d'un produit pendant la période de garantie.

2.6. - Une défaillance soudaine inférieure ou égale à 5 % du nombre total de drivers de luminaires LED (arrondi à l'unité la plus proche) d'un produit pendant la période de garantie.

2.7. - Les systèmes de commande supplémentaires non fournis par AIRFAL INTERNATIONAL SL tels que les éléments de commande et de contrôle, les capteurs, les interfaces, etc.

2.8. - Les pièces, les éléments et les accessoires ajoutés au produit et non fournis par AIRFAL INTERNATIONAL SL après sa livraison.

2.9. - L'usure normale du produit.

2.10. - L'utilisation de détecteurs de présence. AIRFAL INTERNATIONAL SL ne recommande pas l'emploi de détecteurs de présence pro-

voquant la coupure de l'alimentation de lampes fluorescentes. Si ces derniers sont utilisés, la garantie du produit ne couvre aucun luminaire dont la durée de fonctionnement est inférieure à 20 minutes par détection. Le détecteur doit toujours agir sur la phase et jamais sur le neutre. Une coupure du neutre entraîne en effet des surtensions qui provoquent des pannes au niveau des ballasts.

Dans le cas où les produits présenteraient des défauts couverts par cette déclaration de garantie, et à condition que les conditions établies soient vérifiées, AIRFAL INTERNATIONAL SL peut opter pour la réparation et/ou le remplacement de ces derniers par des produits identiques ou équivalents, sur la base des progrès technologiques survenus par rapport aux produits d'origine.

AIRFAL INTERNATIONAL SL couvre également les coûts éventuels découlant du remplacement sur site des luminaires, et ce à condition que le temps de main-d'œuvre soit inférieur ou égal à 10 minutes par point lumineux.

Le client ne bénéficie d'aucun autre droit de réclamation auprès d'AIRFAL INTERNATIONAL SL pour ce qui est des produits défectueux. Il ne peut notamment pas se diriger à AIRFAL INTERNATIONAL SL pour réclamer le remboursement de frais de conservation éventuels du produit défectueux ou présentant un vice, ni une quelconque indemnisation ou un dédommagement en raison des préjudices. Le client ne peut pas prétendre non plus à un report de paiement.

(1) La sophistication et la complexité de plus en plus poussées des équipements d'alimentation et de commande des luminaires les rendent également plus sensibles aux perturbations électriques de toute nature. Les luminaires équipés de modules LED fabriqués à la demande du client avec une isolation de classe II et, par conséquent, sans raccordement à la terre, NE peuvent donc PAS être garantis pendant une période de 5 ans comme le reste des luminaires (classe I) en raison de l'absence de ce conducteur de protection extrêmement important.

(2) Les luminaires équipés de tubes LED sont assortis de deux conditions de garantie différentes :

i. Tubes LED fournis par AIRFAL. Dans ce cas, la garantie s'étend sur la période de garantie du tube fourni qui est habituellement de 2 ans.

ii. Si les luminaires sont livrés et préparés pour recevoir des tubes LED non fournis par AIRFAL, la garantie est assujettie aux caractéristiques du tube utilisé par le client. La société AIRFAL ne peut jamais être tenue pour responsable des dysfonctionnements du tube LED utilisé par le client ou des dégâts occasionnés par celui-ci sur le luminaire.

# 6.2

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