




































































ATEX
EX/ ATEX

2.1		PYROS LED Zona 1,21 IP66 IK10 Módulo LED	   	/ 128
2.2		PYROS BLOCK LED Zona 1,21 IP66 IK07 Módulo LED	   	/ 132
2.3		PYROS Zona 1,21 IP66 IK10 Tubo LED/Fluorescente	   	/ 134
2.4		VITRA LED Zona 1,21 IP66 IK07 Módulo LED	   	/ 138
2.5		VITRA Zona 1,21 IP66 IK07 Tubo LED/Fluorescente	   	/ 140
2.6		FLAME Zona 1,21 IP68 IK10 Tubo Fluorescente	   	/ 144
2.7		LED SECURE Zona 2, 22 IP68 IK10 Módulo LED	    	/ 146
2.8		SECURE BLOCK Zona 2, 22 IP68 IK10 Módulo LED	   	/ 148
2.9		SECURE Zona 2, 22 IP68 IK10 Tubo LED/Fluorescente	    	/ 150
2.10		WATEX Zona 2, 22 IP66 IK07 Módulo LED	   	/ 154
2.11		Projector ATEX LED MAX Zona 2, 22 IP66 Módulo LED	   	/ 158
2.12		MINEX Zona 1, 21 IP65	  	/ 160
2.13		LUMEX Zona 1, 21 IP65	    	/ 162
2.14		TAURUS Zona 1, 21 IP65	  	/ 164
2.15		MARCADO ATEX - CUADRO DE APLICACIONES EX MARKINGS - APPLICATIONS CHART MARQUAGE ATEX - TABLEAU D'APPLICANTIONS		/ 166

2.1

PYROS LED



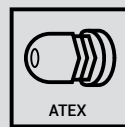
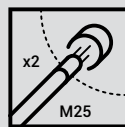
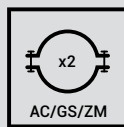
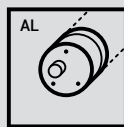
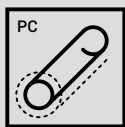
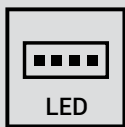
+ **Brida**
Clamp
Collier



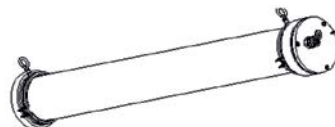
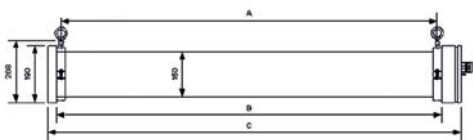
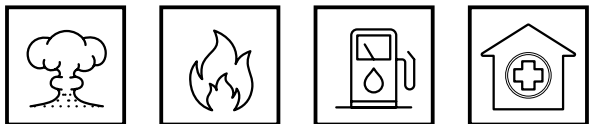
+ **Tapón EEx d**
Plug EEx d
Bouchon EEx d



+ **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

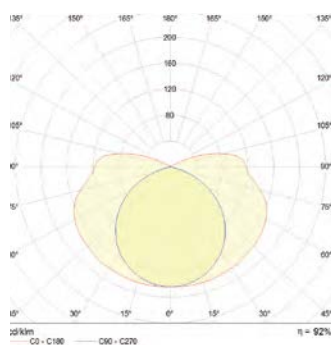
IP66
IK10

CE
EN 60598-1

94/9/CE



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



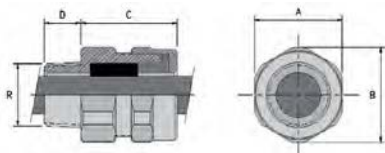
Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
		(W)	(Lm)	(°K)	(mm)	(mm)	(mm)	
PY113	600	14	2150	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.	
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

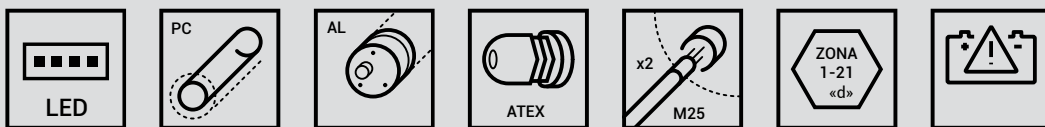
1-10
DALI

EMERGENCY
1h / 3h

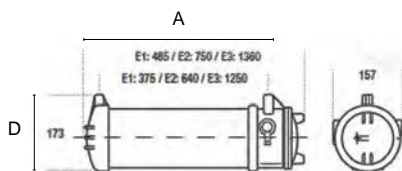
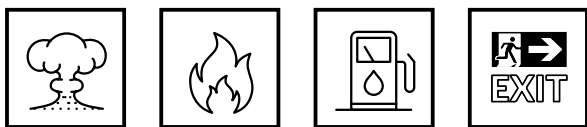


2.2

PYROS BLOCK LED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



RG1

MACADAM

3/4

UGR
<19

CR > 80

L70B50
>
50.000

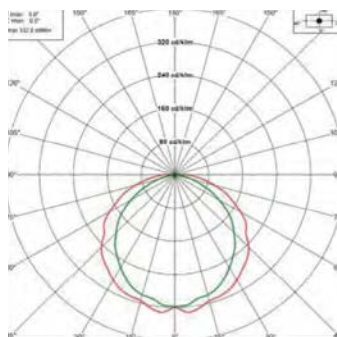
IP66
IK07

CE
EN 60598-1

2014/34/EU



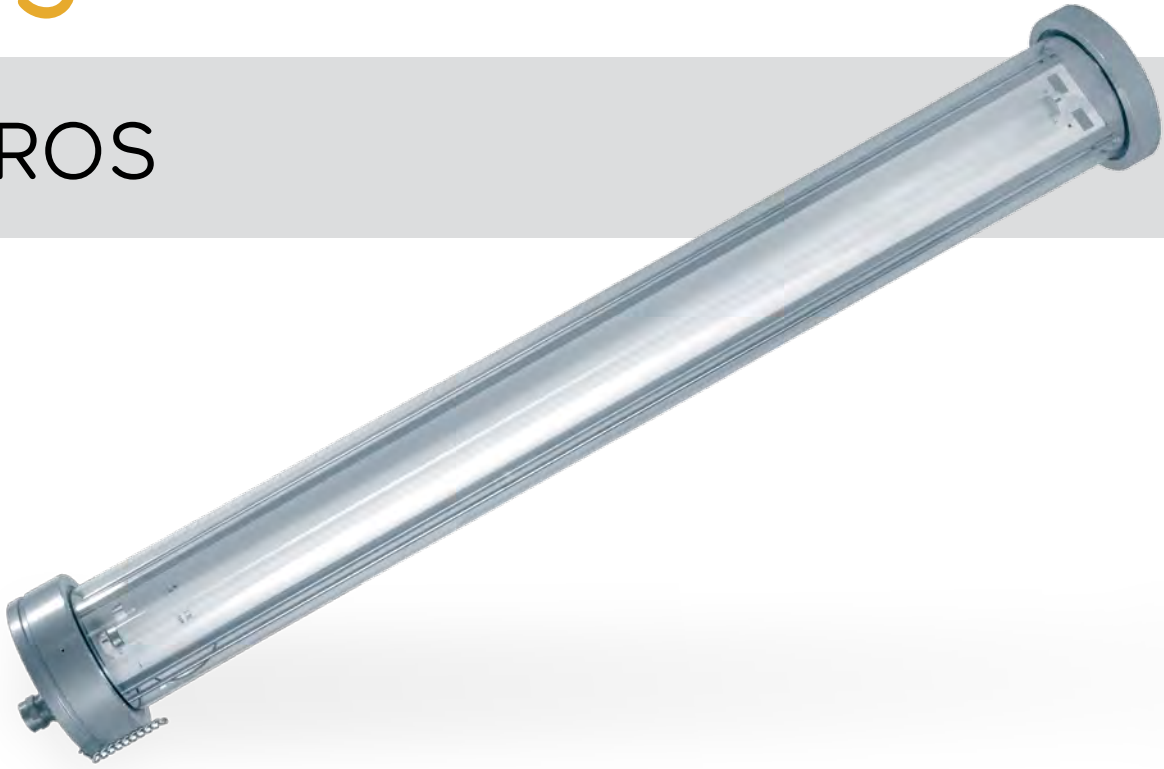
II 2GD Ex d IIB+H2
T6 Gb
Ex tb IIIC T85°C Db



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



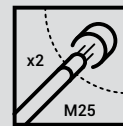
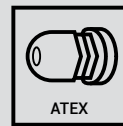
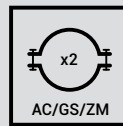
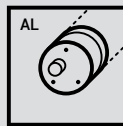
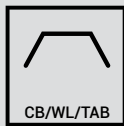
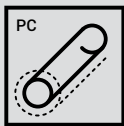
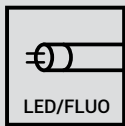
+ **Brida**
Clamp
Collier



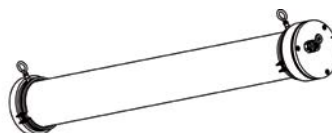
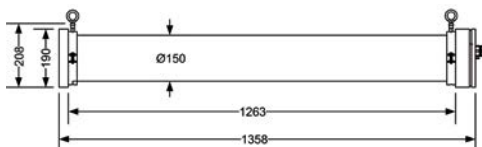
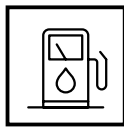
+ **Tapón EEx d**
Plug EEx d
Bouchon EEx d



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



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP66

IK10

CE

EN 60598-1

2014/34/EU

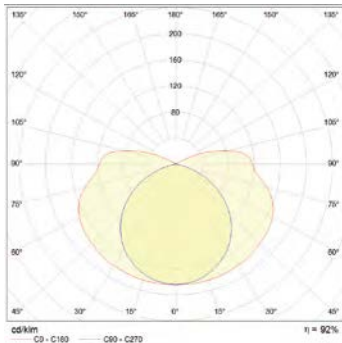


II2GD
Ex d IIB+ 2M t6 GB
Ex tb IIC T85°C Db



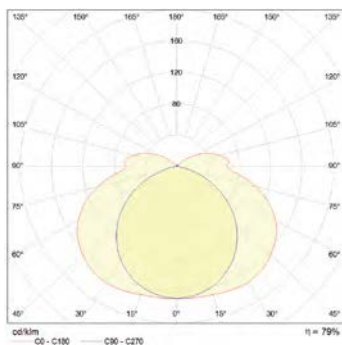
1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

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

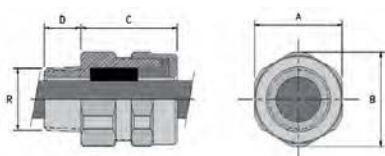
Ref.	Longitud tubo	Longitud luminaria	Peso
	Tube length	Fitting length	Weight
	Longueur tube	Longueur luminaire	Poids
	(mm)	(mm)	(Kg)
EX006L	600	748	9,7
EX002L	1.200	1.357	11,5
EX010L	1.500	1.659	12,3

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

CE

EN 60598-1

2014/34/EU

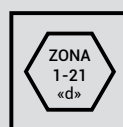
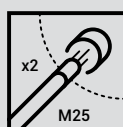
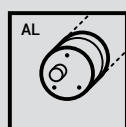
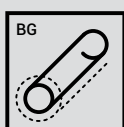
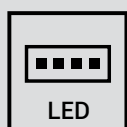


II2GD
Ex d IIB+ 2M 16 GB
Ex tb IIC T85°C Db

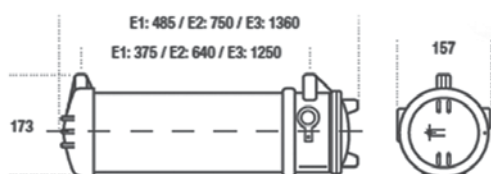
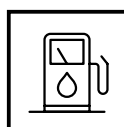


2.4

VITRA LED



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

RG1

MACADAM

3/4

UGR
<19

CR > 80

L70B50
>
50.000

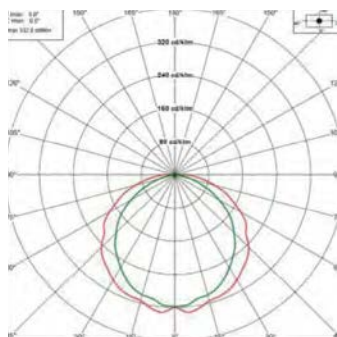
IP66
IK07

CE
EN 60598-1

2014/34/EU



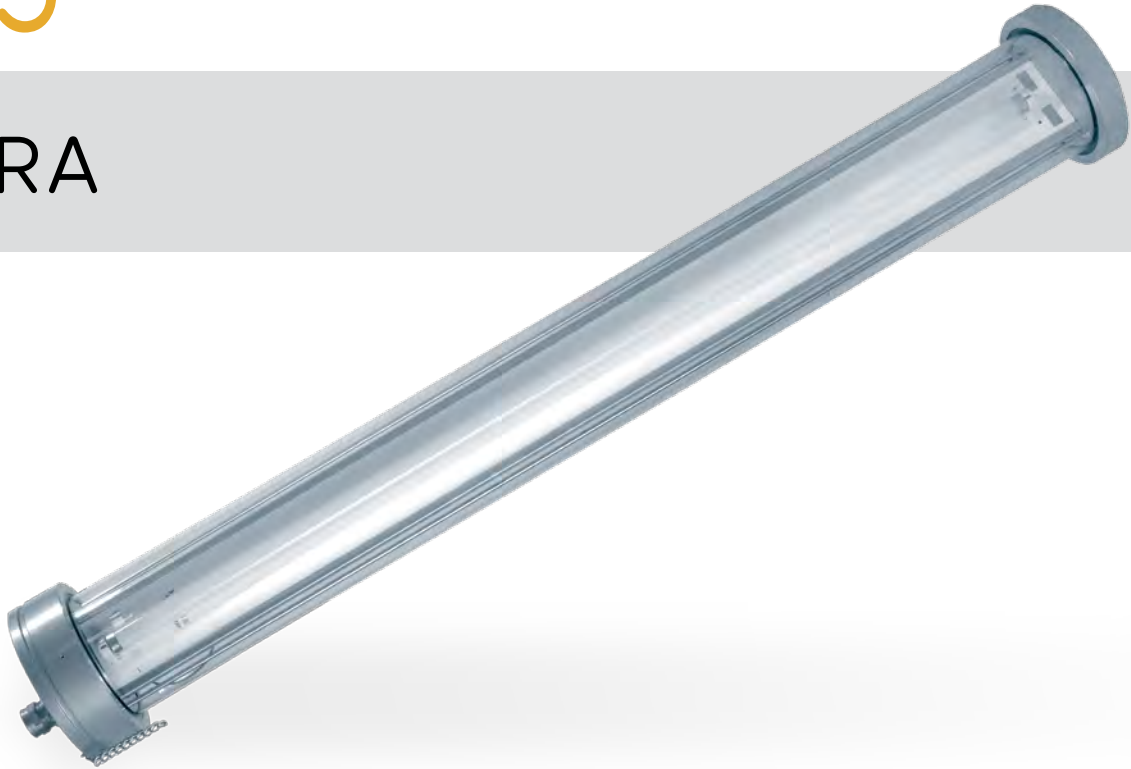
II 2GD Ex db IIC
T6 Gb / Ex tb IIIC
T85 Db.



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



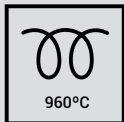
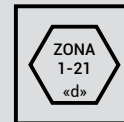
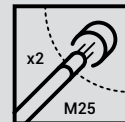
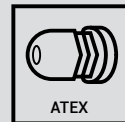
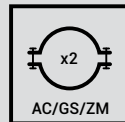
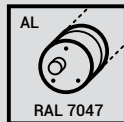
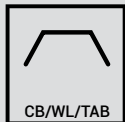
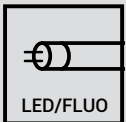
+ **Brida**
Clamp
Collier



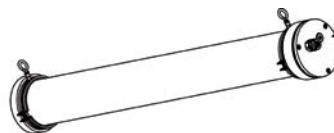
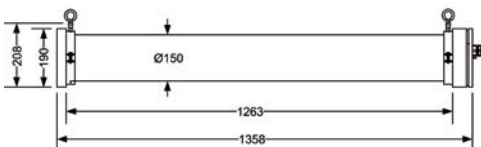
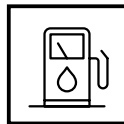
+ **Tapón EEx d**
Plug EEx d
Bouchon EEx d



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



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK07

CE

EN 60598-1

94/9/CE

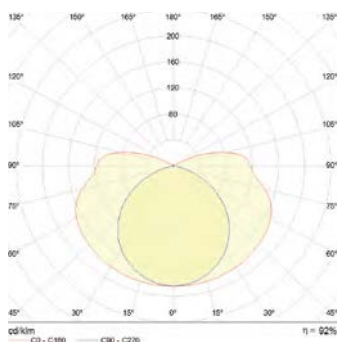


II2GD
Ex d IIB+ 2M t6 GB
Ex tb IIC T85°C Db



1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8

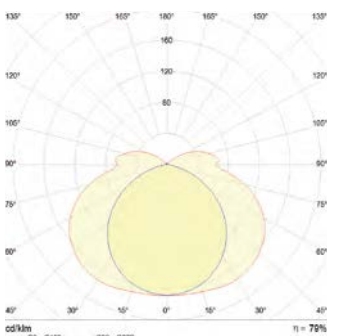


1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

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

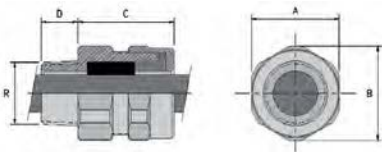
Ref.	Longitud tubo	Longitud luminaria	Peso
	Tube length Longueur tube	Fitting length Longueur lumineaire	Weight Poids
	(mm)	(mm)	(Kg)
EX205L	600	748	9,7
EX207L	1.200	1.357	11,5

ACCESORIOS VITRA / VITRA ACCESORIES / ACCESSOIRES VITRA



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

Ref.	Tamaño de rosca (R)			Gas cónica Gas conic Gaz conique	Dimensiones				Ø Exterior		
	Thread size Taille du filet (R)				Dimensions Dimensions				Ø Overall Ø Extérieure		
	Métrica Metrics Métrique	PG.	NPT		A	B	C	D	Min.	Max.	Tipo Type Tipo
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 1.32
 GASOLINA
 98 1.33
 GASOLEO B 0.82
 SOMAFIC
 24h

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

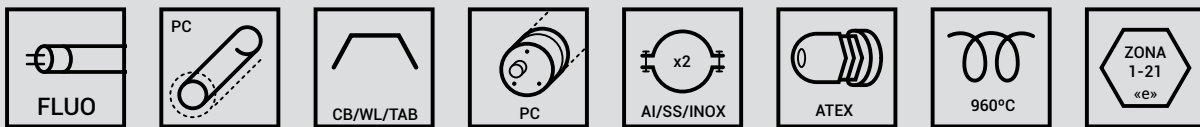
DIESEL
 DIESEL
 DIESEL
 DIESEL
 DIESEL

2.6

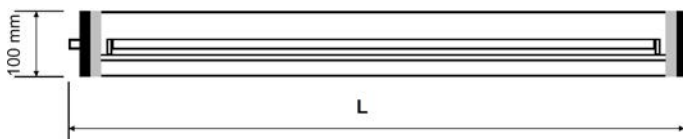
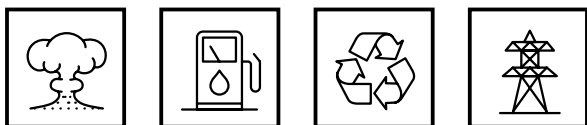
FLAME



+ Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP68-2

IK10

CE

EN 60598-1

94/9/CE

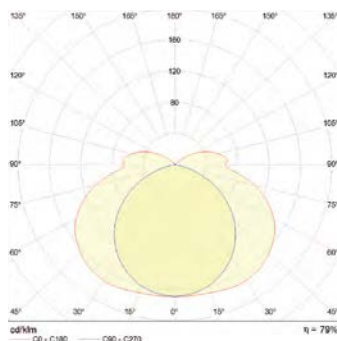


II 2GD
Ex e mb IIC T4 Gb
Ex tb IIC T85°C Db
(T95°C para 58W)



1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G13/T8

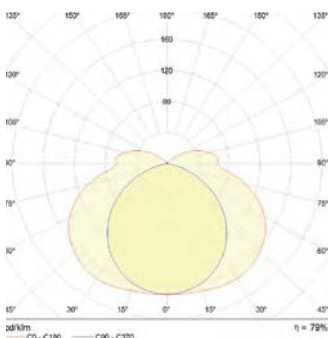


1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

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

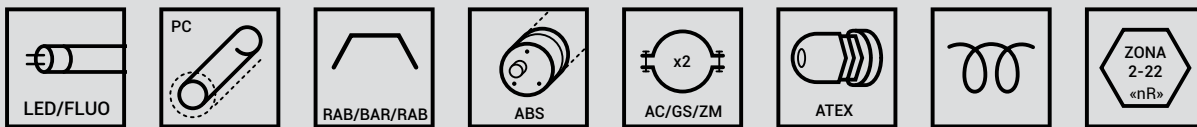


Ref.	Potencia Watts Puissance (w)	Equipo Equipment Ballast	Largo Lenght Longueur (mm)
EX304	18	■	775
EX305	36	■	1.385
EX306	58	■	1.685

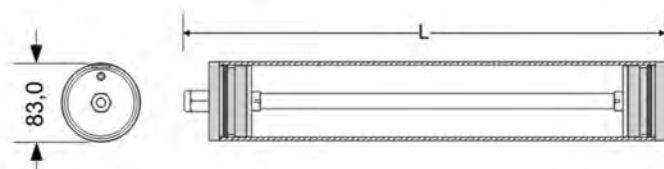
■ Electrónica / Electronic / Électronique

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

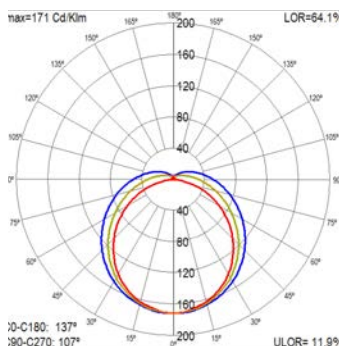
CE

EN 60598-1

94/9/CE



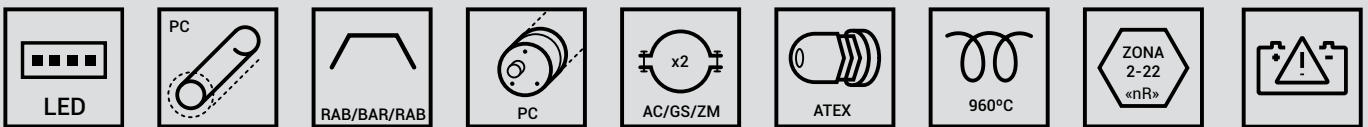
II 3GD
Ex nR II C T6 Gc
Ex t IIIC T85°C Dc



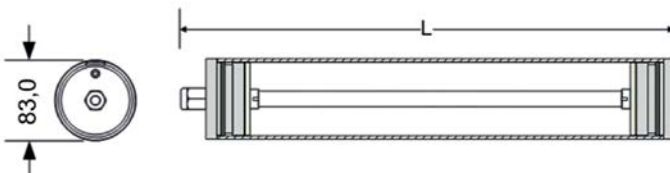
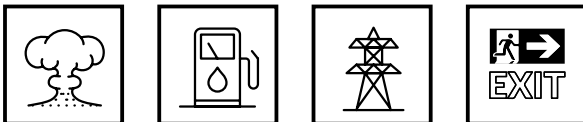
Ref.	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	Largo Length Longueur	Ancho Wide Large	Ancho con brida Width with clamp Largeur avec fixations	Embalaje Packaging Emballage
	(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
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



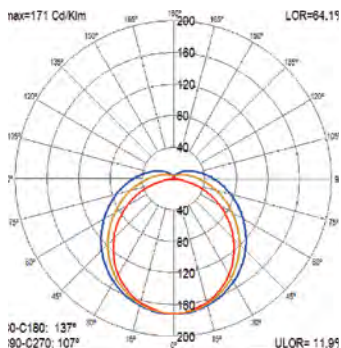
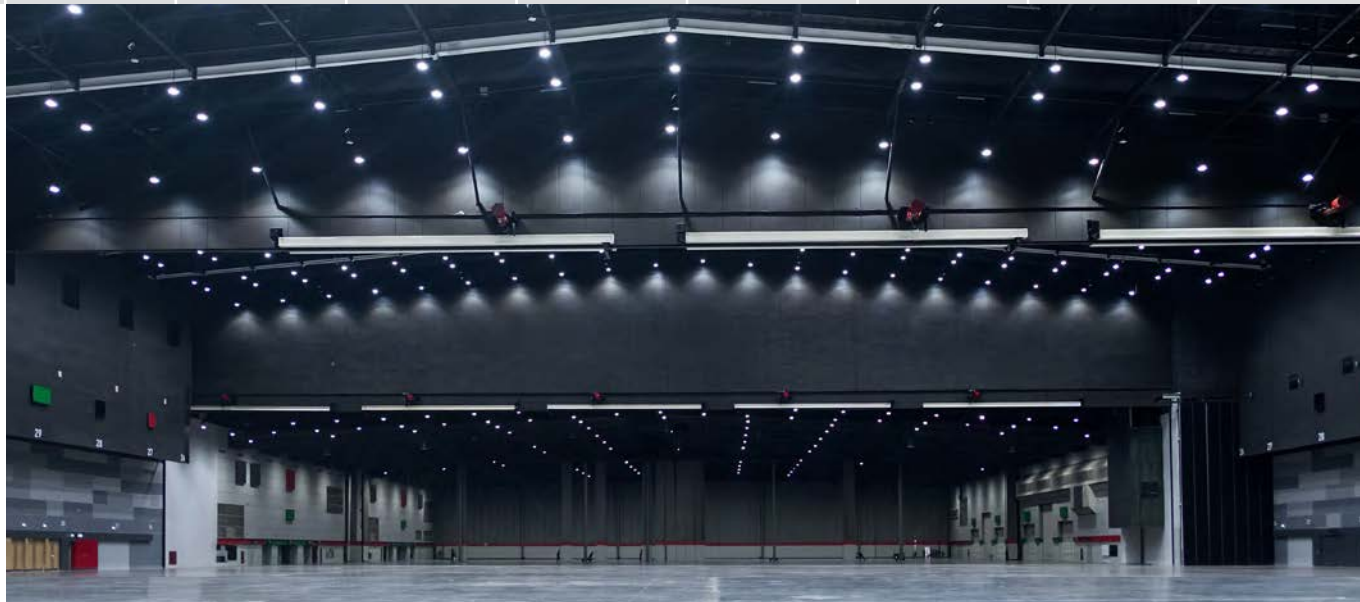
APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



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.
-----	----------------	------------	-----------------------	--------	------	------------------	---



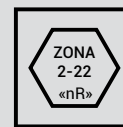
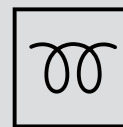
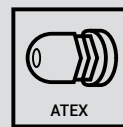
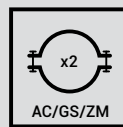
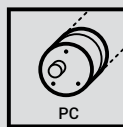
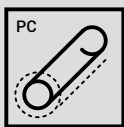
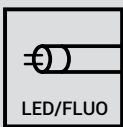
Ref.	Emisión Output Flux	Vida autónoma Autonomy Autonomie	Tª color Tª colour Tª couleur (K°)	L (mm)	D (mm)	Embalaje Packaging Emballage (uds)
EXSE1	100 lm	3 hrs	5500	415	81	1
EXSB2	200 lm	90 min	5500	415	81	1
EXSB3	300 lm	60 min	5500	415	81	1

2.9

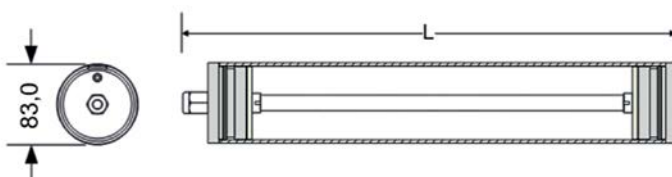
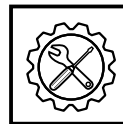
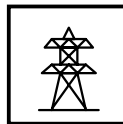
SECURE



Brida
Clamp
Collier



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP68-2

IK10

CE

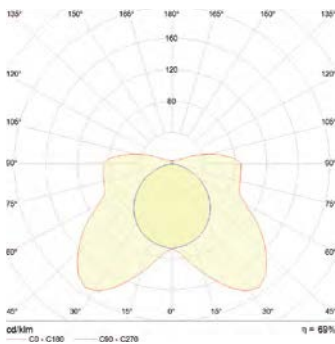
EN 60598-1

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

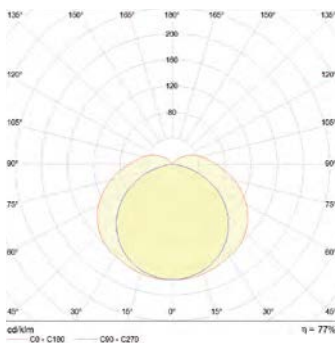


1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

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

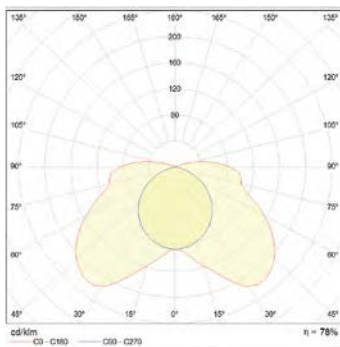


Brida
Clamp
Collier



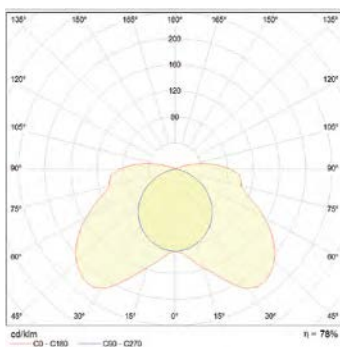
1 TUBO FLUORESCENTE / 1 LAMP / 1 LAMP

G5/T5



Ref.	Potencia Watts Puissance (W)	Equipo Equipment Ballast	Largo Length Longueur (mm)
Alta Eficacia / High Efficiency / Haute Efficacité			
EX604	14 W	■	671
EX605	21 W	■	966
EX606	28 W	■	1.272
EX607	35 W	■	1.574
Alto Rendimiento / High Output / Flux Élevé			
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)
Alta Eficacia / High Efficiency / Haute Efficacité			
EX615	14 W	■	671
EX616	21 W	■	966
EX617	28 W	■	1.272
EX618	35 W	■	1.574
Alto Rendimiento / High Output / Flux Élevé			
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 IIIC T85°C Db (T95°C para 58W)
-----	----------------	------------	--	-----------------------	----------------	------------------	--



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

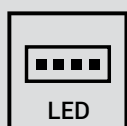


Ref. EX623

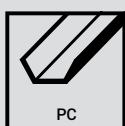
Bridas en plástico antiestático (2 uds.)
Antistatic plastic clamps (2 units)
Colliers en plastique antistatique (2 uts.)

2.10

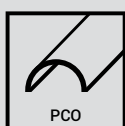
WATEX



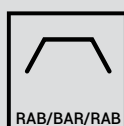
LED



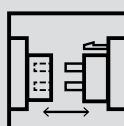
PC



PCO

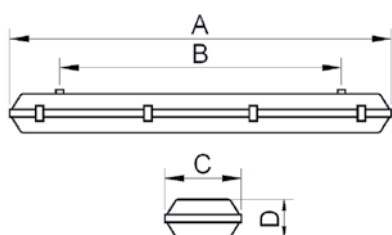
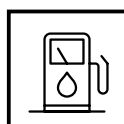
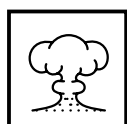


RAB/BAR/RAB



ZONA
2-22
«nR»

APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP66

IK07

CE

EN 60598-1

94/9/CE

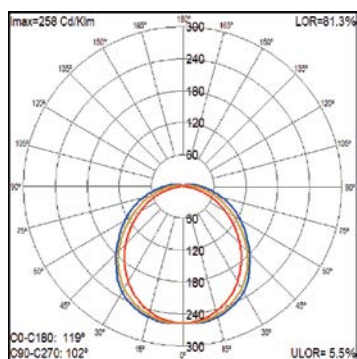


Zona 2: II 3GD Ex
nR IIC T5 Gc
Zona 22: Ex t IIC
T100 °C Dc.



1 MODULO LED / 1 LED MODULE / MODULE LED

G13/T8



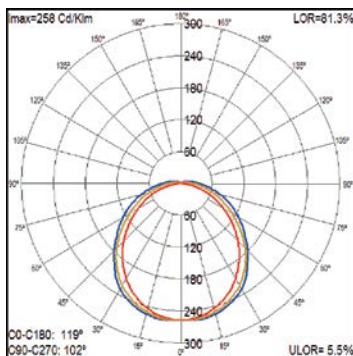
Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta Gross output Flux de la source	Emisión neta Net output Flux sortant	Tª color Tª colour Tª couleur	A	B	C	D
		(W)	(Lm)	(Lm)	(°K)	(mm)	(mm)	(mm)	
EW113	600	13	1490	1210	3000	664	260	100	110
EW114	600	13	1550	1259	4000	664	260	100	110
EW123	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

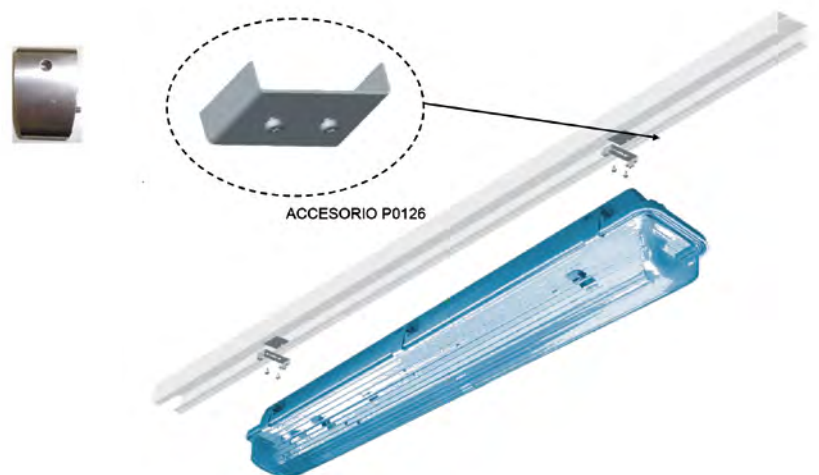
2 MODULOS LED / 2 LED MODULES / 2 MODULES LED

G13/T8



Ref.	Tamaño Size Dimension	Potencia Power Puissance	Emisión bruta 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)				
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



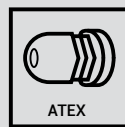
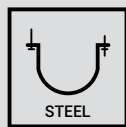
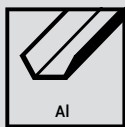
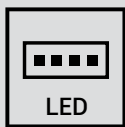
1-10
DALI

EMERGENCY
1h / 3h

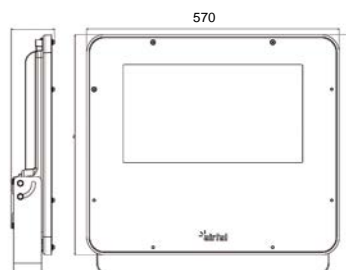
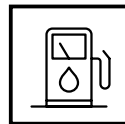


2.11

PROYECTOR ATEX LED MAX



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE

IP66

IK07

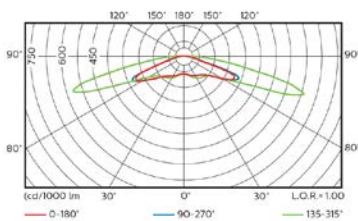
CE

EN 60598-1

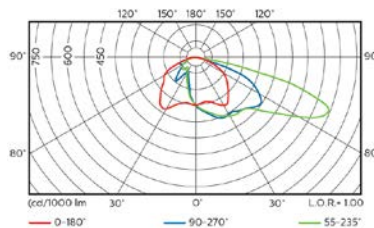
2014/34/EU


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

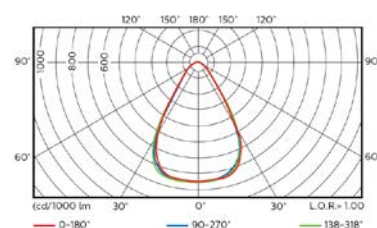

Ref.	Nº De Módulos	Potencia	Equiv HM	Emisión bruta	Tª color	Tamaño	Ancho	Embalaje
		Power Puissance	Equiv MH Equiv HM	Gross output Flux de la source	Tª colour Tª couleur	Size Dimension	Wide Large	Packaging Emballage
		(W)	(W)					
PA104	2	48	70	6700	4000	570 x 496	98	1
PA204	4	97	150	13400	4000	570 x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



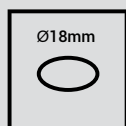
Ref. +C

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

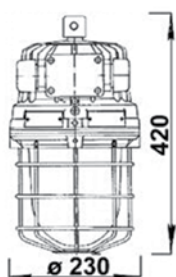
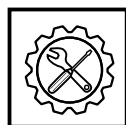
1-10 DALI	EMERGENCY 1h / 3h
--------------	----------------------

2.12

MINEX



APLICACIONES INDICADAS / SUITABLE APPLICATIONS / APPLICATIONS APPROPRIÉES



IT - DE



IP65

IK08

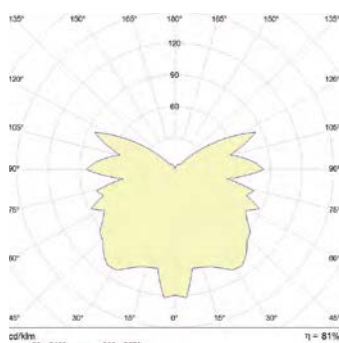
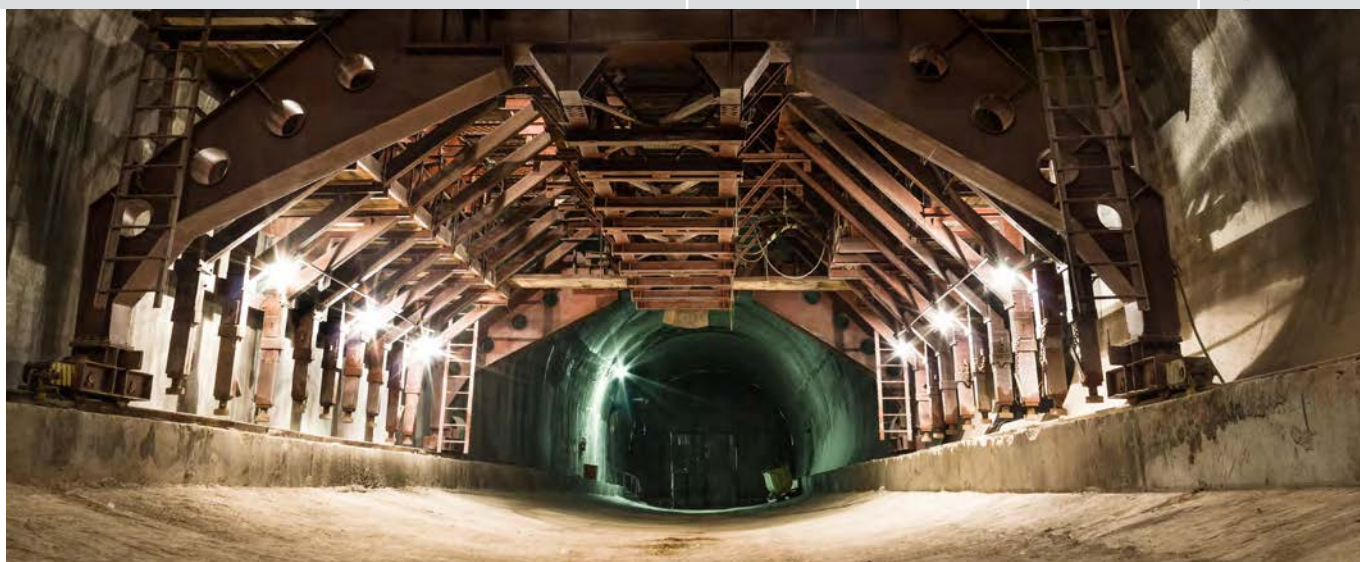
CE

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

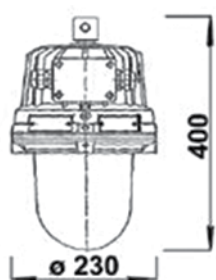
Ref.	
EX106	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX107	Vidrio de repuesto / Flange with glass / Verre de remplacement
EX108	Campana reflectora / Lampshare / Réflecteur
EX109	Sujeción a techo / Holder for immovable fixing to ceiling / Fixation au plafond
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

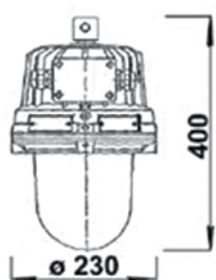
Ref.	
EX106	Rejilla protección sobre vidrio / Protective guard / Grille de protection pour le verre
EX120	Vidrio de repuesto / Flange with glass / Verre de remplacement
EX108	Campana reflectora / Lampshare / Réflecteur
EX109	Sujeción a techo / Holder for immovable fixing to ceiling / Fixation au plafond
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

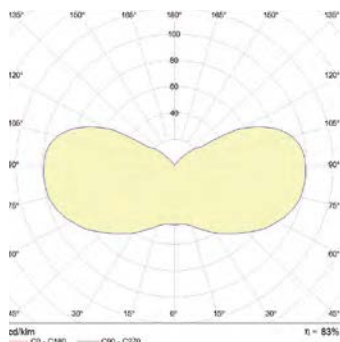
CE

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

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

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	1G (gases y vapores / gases & vapors / gaz et vapeurs) 1D (polvos / dusts / poussières)	Constante, permanente Constant, permanent <i>Permanet, constant</i>
Zona / Zone / Zone 1 Zona / Zone / Zone 21	2G (gases y vapores / gases & vapors / gaz et vapeurs) 2D (polvos / dusts / poussières)	Ocasional, frecuente Occasional, frequent <i>Fréquent, occasionnel</i>
Zona / Zone / Zone 2 Zona / Zone / Zone 22	3G (gases y vapores / gases & vapors / gaz et vapeurs) 3D (polvos / dusts / poussières)	Nunca en servicio normal, solo durante breves periodos de tiempo 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	Presencia (metano, polvo) Presence (methane, dust) <i>Présence (méthane, poussière)</i>
M2	Riesgo de presencia (metano, polvo) 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>
d	Antideflagrante / Explosion proof / <i>Enveloppe antidéflagrante</i>	1,2
e	Seguridad aumentada / Increased security / <i>Sécurité augmentée</i>	1,2
ia	Seguridad intrínseca / Intrinsic security / <i>Sécurité intrinsèque</i>	0,1,2
ib	Seguridad intrínseca / Intrinsic security / <i>Sécurité intrinsèque</i>	1,2
o	Inmersión en aceite / Oil immersion / <i>Immersion en huile</i>	2
p	Presurizado / Pressurized / <i>Surpression</i>	1,2
q	Bajo arena / Below sand / <i>Remplissage de l'enveloppe par un matériau pulvérulent</i>	1,2
m	Encapsulado / Encapsulated / <i>Encapsulage</i>	1,2
n	Antichispas / Antisparks / <i>Pas de production d'étincelles</i>	2

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	Metano (Grisú) / Methane (Fire-damp) / Méthane (Grisou)	•						
	Acetona / Acetone / Acétone	•						
	Ácido acético / Acetic acid / Acide acétique	•						
	Amoniaco / Ammonia / Ammoniac	•						
	Etano / Ethane / Éthane	•						
	Cloruro de metileno / Methylene chloride / Dichlorométhane/Chlorure de méthylène	•						
	Metano (CH4) / Methane (CH4) / Méthane (CH4)	•						
	Óxido de carbono / Carbon oxide / Oxyde de carbone	•						
	Propano / Propane / Propane	•						
	II	N-Butano / N-Butane / N-Butane		•				
		N-Butil / N-Butyl / N-Butil		•				
		N-Hexano / N-Hexane / N-Hexane			•			
		Acetaldehido / Acetaldehyde / Éthanal/Acétaldéhyde				•		
Eter etílico / Ethyl ether / Éther diéthylique/éthoxyéthane					•			
Nitrito de etilo / Ethyl nitrite / Nitrite d'éthyle							•	
B	Etileno / Ethyl / Éthylène		•					
	Etil Óxido / Ethyl Oxide / Éthylène oxyde		•					
	Hidrógeno sulfurado / Sulfur Hydrogen / Sulfure d'hydrogène			•				
C	Acetileno (C2H2) / Acetylen (C2H2) / Acétylène (C2H2)		•					
	Sulfuro de carbono (CS2) / Carbon Sulfur (CS2)/ Sulfure de carbone (CS2)						•	
	Hidrógeno (H2) / 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.

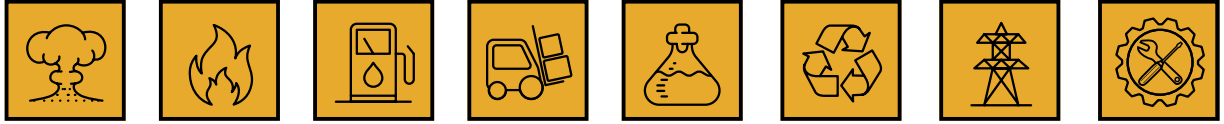
Temperatura máxima de la superficie (°C) Surface maximum temperature (°C) Température maximale de la surface (°C)	Clases de temperatura Temperature classes Classe de températures
T1	450
T2	300
T3	200
T4	135
T5	100
T6	85

2.15



CUADRO DE APLICACIONES COMUNES / COMMON APPL

					
<p>MINEX</p>	<p>PYROS</p>	<p>LUMEX</p>	<p>FLAME</p>	<p>TAURUS</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>ZONA M</p>	<p>ZONA 1 - 21</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>
ZONA 1 - 21			ZONA 2 - 22					

