

secom
here comes the light



ATEX

LIGHTING FAMILY

LUMINARIAS ATMÓSFERAS EXPLOSIVAS
LUMINAIRES EXPLOSIVE ATMOSPHERES



EXPLOSIVE ATMOSPHERES

What is meant by explosive atmosphere?

According to the applicable regulations (RD 681/2003), an explosive atmosphere is defined as a mixture with air, under atmospheric conditions, of flammable substances in the form of gases, vapors, mists or dusts, in which, after ignition, combustion spreads to the entire unburned mixture.

From this definition, from a preventive point of view, risk areas are considered to be those in which explosive atmospheres can form in such quantities that special precautions must be taken to protect the safety and health of the workers involved. In accordance with the applicable regulations, it is required to classify the areas with risk atmospheres; it is a way of categorizing the danger of the area, due to the presence of an explosive atmosphere, according to the greater or lesser frequency with which it occurs and its permanence, and to adopt the necessary measures to avoid any ignition that could lead to explosion.

Basic parameters on explosive atmospheres due to the presence of flammable gases, vapors or mists

The REBT technical instruction MIBT 026 defines an explosive atmosphere as “a mixture with air of flammable gases, vapors, mists, dusts or fibers, under atmospheric conditions, in which, after ignition, combustion spreads through the entire unconsumed mixture”. For ignition to occur at a point in space, the simultaneous presence of an explosive atmosphere with an energetic contribution is necessary.

The energy input may be in the form of flame, spark, electric arc or excessive temperature. The explosive atmosphere can be generated by dilution in air of flammable gases, vapors or mists, distinguishing two groups:

Group I: Mines (methane).



Group II: Industry other than mining.



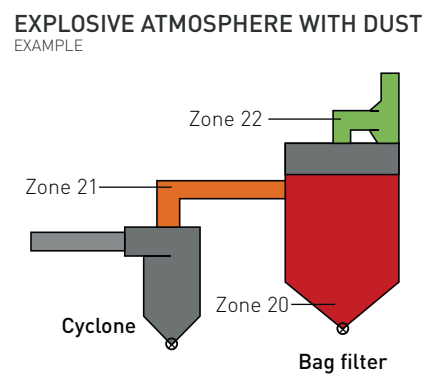
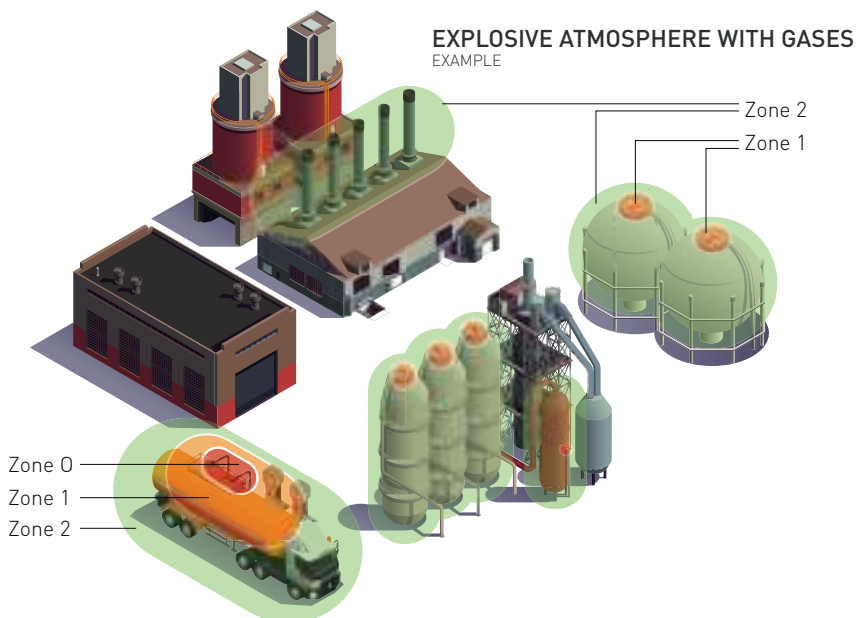
Both for the classification of these sites and to provide electrical equipment with an adequate protection mode to prevent the generation of ignition sources in an explosive atmosphere, it is important to take into account certain parameters that influence the risk of explosion and the mechanisms to prevent it from starting or to confine it once it has started.



CLASSIFICATION BY ZONE OF EXPLOSION

Explosion risk areas are classified according to the probability of the presence of an explosive atmosphere, based on a calculation of probabilities/hours per year, and are divided into three scenarios:

- Zone 0 (Gas) or Zone 20 (Dust): Very likely (Permanent or for long periods of time)
- Zone 1 (Gas) or Zone 21 (Dust): Probable (Occasional during normal operation)
- Zone 2 (Gas) or Zone 22 (Dust): Unlikely (Very occasional and short duration periods).



PRODUCT CATEGORY IDENTIFICATION BY ZONE

Gases		Dust	
Zone	Category	Zone	Category
0	1G	20	1D
1	2G	21	2D
2	3G	22	3D


EXAMPLES OF AREAS WITH RISK OF EXPLOSIVE ATMOSPHERES

- **Chemical industry:** Use of flammable liquids and gases.
- **Landfills and civil engineering:** Formation of flammable gases.
- **Energy production companies:** Coal dust generated during transport, grinding and drying.
- **Wastewater treatment companies:** Formation of flammable gases.
- **Woodworking industry:** Formation of wood dust.
- **Gas supply companies.**
- **Paint and enamel workshops:** Paint mists, solvents and powder pigments.
- **Manufacture of light material parts and metal carpentry workshops:** Explosive metal powders (aluminum, magnesium, etc.).
- **Agricultural facilities:** fodder dehydrators, almond shellers.
- **Fertilizers.**
- **Food industry:** Transportation, processing and storage of flour, starch, sugar, cocoa, milk and egg powder, spices and their derivatives.
- **Pharmaceutical industry:** Use of flammable liquids and gases.
- **Refineries.**
- **Textile industry:** Storage and treatment of cotton, linen and fibers.
- **Premises where flammable chemical products are used.**
- **Agricultural industries:** Silos for animal feed, cereals, starch and hay. Dryers.
- **Forestry industries:** Wood sawmills. Pulp and paper manufacturing.
- **Recycling companies.**



CE | 1282 |  | II | 3G | Ex nR | IIC | T5 | Gc

LL 105 2018 A

- CE** CE Marking
- 1282** Notified Body Identification Number (in some cases)
-  Distinctive marking for equipment intended for use in explosive atmospheres
- II** Group indication
- 3G** Category indication, showing whether the material is suitable for gas (G) or dust (D)

Indications for group, category and material protection levels					
Hazardous substance	Exposure time	Zone exposure time	Group	Category	Material protection level
Gases Vapores	Present continuously or for long periods	Zone 0	II	1G	Ga
	Sporadically present	Zone 1	II	2G o 1G	Gb o Ga
	Rarely or never present	Zone 2	II	3G o 2G o 1G	Gc, Gb o Ga
Powders	Present continuously or for long periods	Zone 20	II	1D	Da
	Sporadically present	Zone 21	II	2D o 1D	Db o Da
	Rarely or never present	Zone 22	II	3D o 2D o 1D	Dc, Db o Da
Grisú		Mining	I	M1	Ma
		Mining	I	M1 o M2	Mb o Ma

Ex nR Protection modes

Protection modes			
Principle of protection	Type of protection	Marcado	Use in zone
Contains the explosion	Anti-deflagrante wrapping	Ex d	Zona 1 y 2
Prevents arcing, sparks and overheating	Mayor seguridad	Ex e	Zona 1 y 2
Limits energy	Seguridad intrínseca	Ex i	Zona 0, 1 y 2
Prevents explosive atmosphere from entering the enclosure	Presurización	Ex p	Zona 1 y 2
Prevents explosive atmosphere from entering the enclosure	Encapsulation	Ex m	Zona 1 y 2
Prevents explosive atmosphere from entering the enclosure	Immersion in oil	Ex o	Zona 1 y 2
Prevents the propagation of a explosion to the outside	Dust filling	Ex q	Zona 1 y 2
Prevents the equipment from sparking	anti sparks	Ex n	Zona 2

IIC Gas group

*** When complying with the IIC also meets the IIA and IIB**

Gas and Vapor Division						
Gas group	Gas or steam type					
IIA	ammonia methane ethane propane	ethyl alcohol cyclohexane butane	hexane gasoline	acetaldehyde		
IIB	gas city acrylic nitrile	ethylene ethylene oxide	ethylene glycol hydrogen sulfide			
IIC	hydrogen	acetylene				carbon sulfide

T5 Temperature class

*** When reaching T5 also meets T1 / T2 / T3 / T4**


Temperature classes					
T1	T2	T3	T4	T5	T6
450°C	300°C	200°C	135°C	100°C	85°C

Gc Equipment Protection Level (EPL): Protection level assigned to the material based on its risk of becoming a source of ignition.

* Marked in color the compliance specifications of Secom ATEX luminaires

CE | 1282 |  | II | 3D | Ex tc | IIIC | 100°C | Dc

LL 105 2018 A

- CE** CE Marking
- 1282** Notified Body Identification Number (in some cases)
-  Distinctive marking for equipment intended for use in explosive atmospheres
- II** Group indication
- 3D** Category indication, showing whether the material is suitable for gas (G) or dust (D)

Indications for group, category and material protection levels					
Hazardous substance	Exposure time	Zone classification	Group	Category	Material protection level
Gases Vapores	Present continuously or for long periods	Zone 0	II	1G	Ga
	Present sporadically	Zone 1	II	2G o 1G	Gb o Ga
	Present rarely or never	Zone 2	II	3G o 2G o 1G	Gc, Gb o Ga
Powders	Present continuously or for long periods	Zone 20	II	1D	Da
	Present sporadically	Zone 21	II	2D o 1D	Db o Da
	Present rarely or never	Zone 22	II	3D o 2D o 1D	Dc, Db o Da
Grisú		Mining	I	M1	Ma
		Mining	I	M1 o M2	Mb o Ma

Ex tc Protection modes

Protection modes			
Principle of protection	Type of protection	Marking	Use in zone
Contains the explosion	Octopus wrapping	Ex ta	Zone 21 y 22
		Ex tb	
		Ex tc	
Prevents the atmosphere from entering explosive in the envelope	Powder pressurization	Ex pb Ex pc	Zone 21 y 22
Limits energy	Intrinsically safe for dust	Ex ia Ex ib Ex ic	Zone 20, 21 y 22
Exclusion of explosive atmosphere and limitation of surface temperature	Encapsulation	Ex ma Ex mb Ex mc	Zone 20, 21 y 22

IIIC Dust group

***By complying with IIIC also complies with IIIA and IIIB**

Subdivisions of Group III		
IIIA	IIIB	IIIC
Combustible particles in suspension	Non-conductive dust	Conductive dust
		IIIC
		IIIB
		IIIA
Material marked IIIB is suitable for group IIIA applications. Material marked IIIC is suitable for Group IIIB and IIIA applications..		

100°C Maximum surface temperature reached by the luminaire


Dc Equipment Protection Level (EPL): Level of protection assigned to the equipment based on its risk of becoming an ignition source to the material based on its risk of becoming an ignition source.

* Color marking of Secom's ATEX luminaire compliance specifications

CE | 1282 |  | II | 2G | Ex db | IIB+H2 | T6 | Gb

INERIS 14 ATEX 0064X

INERIS: Acronym of the Notified Laboratory.
14: Year of Certification.
ATEX: Atex Directive.
0064X: Certificate identification number.

- CE** CE Marking
- 1282** Notified Body Identification Number (in some cases)
-  Distinctive marking for equipment intended for use in explosive atmospheres
- II** Group indication
- 2G** Category indication, showing whether the material is suitable for gas (G) or dust (D)

Indications for group, category and material protection levels					
Hazardous substance	Exposure time	Zone classification	Group	Category	Material protection level
Gases Vapors	Present continuously or for long periods	Zone 0	II	1G	Ga
	Present sporadically	Zone 1	II	2G o 1G	Gb o Ga
	Present rarely or never	Zone 2	II	3G o 2G o 1G	Gc, Gb o Ga
Powders	Present continuously or for long periods	Zone 20	II	1D	Da
	Present sporadically	Zone 21	II	2D o 1D	Db o Da
	Present rarely or never	Zone 22	II	3D o 2D o 1D	Dc, Db o Da
Grisú		Mining	I	M1	Ma
		Mining	I	M1 o M2	Mb o Ma

Ex db Modos de protección

Protection modes			
Principle of protection	Type of protection	market	Use in zone
Contains the explosion	Anti-deflagrante wrapping	Ex d	Zone 1 y 2
Prevents arcing, sparks and overheating	Increased safety	Ex e	Zone 1 y 2
Limits energy	Intrinsic safety	Ex i	Zone 0, 1 y 2
Prevents explosive atmosphere from entering the enclosure	Pressurization	Ex p	Zone 1 y 2
Prevents explosive atmosphere from entering the enclosure	Encapsulation	Ex m	Zone 1 y 2
Prevents explosive atmosphere from entering the enclosure	Immersion in oil	Ex o	Zone 1 y 2
Prevents the spread of an explosion outdoors	Dust filling	Ex q	Zone 1 y 2
Prevents the equipment from sparking	Antichispa	Ex n	Zone 2

IIB Gas group

***By complying with IIB also meets the IIA**

Gases and vapors division						
Gas group	Type of gas or steam					
IIA	ammonia methane ethane propane	ethyl alcohol cyclohexane butane	hexane gasolines	acetaldehyde		
IIB	nitrile acrylic city gas	ethylene ethylene oxide	ethylene glycol hydrogen sulfide			
IIC	hydrogen	acetylene				carbon disulfide

T6 Temperature class

***When meeting T6 also meets T1/T2/T3/T4/T5**

Temperature classes					
T1	T2	T3	T4	T5	T6
450°C	300°C	200°C	135°C	100°C	85°C

Gb Equipment Protection Level (EPL): Level of protection assigned to the material based on its risk of becoming an ignition source material according to its risk of becoming an ignition source.

* Color marking of Secom's Atex luminaire compliance specifications

CE | 1282 |  | II | 2D | Ex tb | IIC | 85°C | Db

INERIS 14 ATEX 0064X

INERIS: Acronym of the Notified Laboratory.
14: Year of Certification.
ATEX: Atex Directive.
0064X: Certificate identification number.

CE

CE Marking

1282

Notified Body Identification Number (in some cases)



Distinctive marking for equipment intended for use in explosive atmospheres

II

Group indication

2D

Category indication, showing whether the material is suitable for gas (G) or dust (D)

Indications for group, category and material protection levels

Hazardous substance	Exposure time	Zone classification	Group	Category	Material protection level
Gases Vapors	Present continuously or for long periods	Zone 0	II	1G	Ga
	Sporadically present	Zone 1	II	2G o 1G	Gb o Ga
	Rarely or never present	Zone 2	II	3G o 2G o 1G	Gc, Gb o Ga
Powders	Present continuously or for long periods	Zone 20	II	1D	Da
	Sporadically present	Zone 21	II	2D o 1D	Db o Da
	Rarely or never present	Zone 22	II	3D o 2D o 1D	Dc, Db o Da
Grisú		Mining	I	M1	Ma
		Mining	I	M1 o M2	Mb o Ma

Ex tb

Protection modes

Protection modes

Principle of protection	Type of protection	Marking	Use in zone
Contains the explosion	Dust cover	Ex ta	Zone 21 y 22
		Ex tb	
		Ex tc	
Prevents explosive atmosphere from entering the enclosure	Powder pressurization	Ex pb Ex pc	Zone 21 y 22
Limits energy	Intrinsically safe for dust	Ex ia Ex ib Ex ic	Zone 20, 21 y 22
Exclusion of explosive atmosphere and limitation of surface temperature	Encapsulation	Ex ma Ex mb Ex mc	Zone 20, 21 y 22

IIC

Dust group

***By complying with IIC also complies with IIIA and IIIB**

Subdivisions of Group III

IIIA	IIIB	IIC
Combustible particles in suspension	Non-conductive dust	Conductive dust
		IIC
		IIIB
		IIIA
Material marked IIIB is suitable for group IIIA applications. Material marked IIC is suitable for group IIIB and IIIA applications.		

85°C

Maximum surface temperature reached by the luminaire

Db

Equipment Protection Level (EPL): Level of protection assigned to the equipment based on its risk of becoming an ignition source to the material based on its risk of becoming an ignition source.

GENERAL CONDITIONS

EXPLOSIVE ATMOSPHERES

TEAM CLASSIFICATION

Electrical apparatus operating in potentially explosive areas are classified into two groups and five categories.

The groups indicate the industrial environment where the equipment will be installed.

Group I: this group includes equipment and protection systems designed to operate in subway or surface mines where explosive mixtures of gases and combustion dusts may occur. or surface mines, where explosive mixtures of gases and oxidizing dusts may occur.

Group II: this group includes all other installations where explosive atmospheres may occur. explosive atmospheres.

The categories mark, according to the safety level, the operating zone of the apparatus.

For Group I we have two categories (M1 and M2) and for Group II we have three (1, 2 and 3).

	Category	Zone	Exposure time	Level of protection
Group I	M1		Present continuously or for long periods	Very high
	M2		Present sporadically	High
Group II	1 G	0	Present continuously or for long periods	Very high
	1 D	20		
	2 G	1	Present sporadically	High
	2 D	21		
	3 G	2	Present rarely or never	Normal
	3 D	22		

PROTECTION MODES

	Marking	Principle of protection	Type of protection	Use in zone	EN Standard
G	Ex d	Contains the explosion	Anti-deflagrante wrapping	Zone 1 y 2	EN 60079-1
	Ex e	Prevents arcing, sparks and overheating	Increased safety	Zone 1 y 2	EN 60079-7
	Ex i	Limits energy ia = for use in zone 0, 1 and 2 ib = for use in zone 1 and 2	Intrinsic safety	Zone 0, 1 y 2	EN 60079-11
	Ex p	Prevents explosive atmosphere from entering the enclosure px = for use in zones 1 and 2 py = para uso en zona 1 y 2 pz = for use in zone 1 and 2	Pressurization	Zone 1 y 2	EN 60079-2
	Ex m	Prevents explosive atmosphere from entering the enclosure ma = for use in Zone 0, 1 and 2 mb = for use in zone 1 and 2	Encapsulation	Zone 1 y 2	EN 60079-18
	Ex o	Prevents explosive atmosphere from entering the enclosure	Immersion in oil	Zone 1 y 2	EN 60079-6
	Ex q	Prevents the spread of an explosion outdoors	Relleno de polvo	Zone 1 y 2	EN 60079-5
	Ex n	Prevents the equipment from sparking nA = anti-sparks nC = anti-spark device, in which the contacts are protected nL = power-limited device	Anti-sparks	Zone 2	EN 60079-15
	Ex op	Limits the energy of the optical beam op is = inherent protection from optical radiation op pr = optical radiation protection op sh = optical radiation interlocking	Optical safety	Zone 1 y 2	EN 60079-28
D	Ex t	Contains the explosion ta = for use in zone 20 tb = for use in zone 21 tc = for use in zone 22	Octopus wrapping	Zone 21 y 22	EN 60079-31
	Ex p	Prevents explosive atmosphere from entering the enclosure pb = for use in zone 21 pc = for use in zone 22	Powder pressurization	Zone 21 y 22	EN 61241-4
	Ex i	Limits energy ia = for use in zones 20, 21 and 22 ib = for use in zone 21 and 22 ic = for use in zone 22	Intrinsic safety for dust	Zone 20, 21 y 22	EN 60079-11
	Ex m	Prevents explosive atmosphere from entering the enclosure ma = for use in zones 20, 21 and 22 mb = for use in zones 21 and 22 mc = for use in zone 22	Encapsulation	Zone 20, 21 y 22	EN 60079-18

ATEX10/20/30/40/50 GAS MARKING

II 2 G Ex db IIC T6 Gb

ATEX CATEGORY SECOM LUMINAIRES

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CE | 1282 |  | II | 2G | Ex db | IIC | T6 | Gb

EMC 18 ATEX 2599

EMC: Acronym of the Notified Laboratory.
18: Year of Certification.
ATEX: Atex Directive.
2599: Certificate identification number.

CE CE Marking

1282 Notified Body Identification Number (in some cases)

 Distinctive marking for equipment intended for use in explosive atmospheres

II Group indication

2G Category indication, showing whether the material is suitable for gas (G) or dust (D)

Indications for group, category and material protection levels

Hazardous substance	Exposure time	Zone classification	Group	Category	Material protection level
Gases Vapors	Present continuously or for long periods	Zone 0	II	1G	Ga
	Present sporadically	Zone 1	II	2G o 1G	Gb o Ga
	Present rarely or never	Zone 2	II	3G o 2G o 1G	Gc, Gb o Ga
Powders	Present continuously or for long periods	Zone 20	II	1D	Da
	Present sporadically	Zone 21	II	2D o 1D	Db o Da
	Present rarely or never	Zone 22	II	3D o 2D o 1D	Dc, Db o Da
Grisú		Mining	I	M1	Ma
		Mining	I	M1 o M2	Mb o Ma

Ex db Protection modes

Protection modes

Principle of protection	Type of protection	Marking	Use in zone
Contiene la explosión	Envolvente antideflagrante	Ex d	Zona 1 y 2
Prevents arcing, sparks and overheating	Increased safety	Ex e	Zona 1 y 2
Limits energy	Intrinsic safety	Ex i	Zona 0, 1 y 2
Prevents explosive atmosphere from entering the enclosure	Pressurization	Ex p	Zona 1 y 2
Prevents explosive atmosphere from entering the enclosure	Encapsulation	Ex m	Zona 1 y 2
Prevents the atmosphere from entering the enclosure	Immersion in oil	Ex o	Zona 1 y 2
Prevents the spread of an explosion outdoors	Dust filling	Ex q	Zona 1 y 2
Prevents the equipment from sparking	anti sparks	Ex n	Zona 2

IIC Gas group

***By complying with the IIC also complies with the IIA and IIB**

División de gases y vapores

Gas group	Tipo de gas o vapor				
IIA	ammonia methane ethane propane	alcohol etílico ciclohexano butano	hexane gasolines	acetaldehyde	
IIB	nitrile acrylic city gas	ethylene ethylene oxide	ethylene glycol hydrogen sulfide		
IIC	hydrogen	acetylene			carbon disulfide

T6 Temperature class

***When meeting T6 also meets T1/T2/T3/T4/T5**

Temperature classes

T1	T2	T3	T4	T5	T6
450°C	300°C	200°C	135°C	100°C	85°C

Gb Equipment Protection Level (EPL): Level of protection assigned to the material based on its risk of becoming an ignition source material according to its risk of becoming an ignition source.

ATEX10/20/30/40/50 MARKED POWDER

II 2 D Ex tb IIIC T80°C Db
ATEX CATEGORY SECOM LUMINAIRES

secom
here comes the light

CE | 1282 |  | II | 2D | Ex tb | IIIC | 80°C | Db

EMC 18 ATEX 2599

EMC: Acronym of the Notified Laboratory.
18: Year of Certification.
ATEX: Atex Directive.
2599: Certificate identification number.

CE

CE Marking

1282

Notified Body Identification Number (in some cases)



Distinctive marking for equipment intended for use in explosive atmospheres

II

Group indication

2D

Category indication, showing whether the material is suitable for gas (G) or dust (D)

Indications for group, category and material protection levels

Hazardous substance	Exposure time	Zone classification	Group	Category	Material protection level
Gases Vapors	Present continuously or for long periods	Zone 0	II	1G	Ga
	Present sporadically	Zone 1	II	2G o 1G	Gb o Ga
	Present rarely or never	Zone 2	II	3G o 2G o 1G	Gc, Gb o Ga
Powders	Present continuously or for long periods	Zone 20	II	1D	Da
	Present sporadically	Zone 21	II	2D o 1D	Db o Da
	Present rarely or never	Zone 22	II	3D o 2D o 1D	Dc, Db o Da
Grisú		Mining	I	M1	Ma
		Mining	I	M1 o M2	Mb o Ma

Ex tb

Protection modes

Protection modes

Principle of protection	Type of protection	Marking	Use in zone
Contains the explosion	Octopus wrapping	Ex ta	Zone 21 y 22
		Ex tb	
		Ex tc	
Prevents explosive atmosphere from entering the enclosure	Powder pressurization	Ex pb Ex pc	Zone 21 y 22
Limita la energia	Intrinsically safe for dust	Ex ia Ex ib Ex ic	Zone 20, 21 y 22
Exclusion of explosive atmosphere and limitation of surface temperature	Encapsulation	Ex ma Ex mb Ex mc	Zone 20, 21 y 22

IIIC

Dust group

***By complying with IIIC also complies with IIIA and IIIB**

Subdivisions of Group III

IIIA	IIIB	IIIC
Combustible particles in suspension	Non-conductive dust	Conductive dust
IIIB		IIIC
IIIA		IIIC
Material marked IIIB is suitable for group IIIA applications. Material marked IIIC is suitable for group IIIB and IIIA applications.		

80°C

Maximum surface temperature reached by the luminaire

Db

Equipment Protection Level (EPL): Level of protection assigned to the equipment based on its risk of becoming an ignition source to the material based on its risk of becoming an ignition source.

LUMINAIRES WITH COMPLIANCE ATEX DIRECTIVE

Secom's ATEX family of luminaires are designed to operate in areas with risk of explosion, complying with the ATEX directive 2014/34/EU, issued and applicable in the European Union.

Atex Directive
Number: 2014/34/UE
ECM 18 ATEX 2599

Atex Category
II 2 G Ex db IIC T6 Gb
II 2 D Ex tb IIIC T80°C Db

CE Standards
UNE-EN 60598-1:2015+A1:2018
UNE-EN 60598-2-5:2016

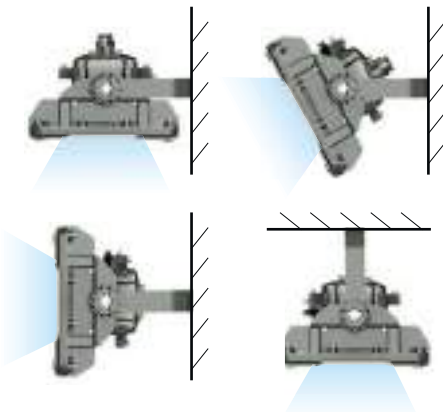
Atex Standards
EN 60079-0:2012+A11:2013
EN 60079-1:2014
EN 60079-28:2015
EN 60079-31:2014



Luminaires manufactured with high quality materials
high quality, giving them resistance and robustness.

Reinforced aluminum structure and safety glass diffuser.

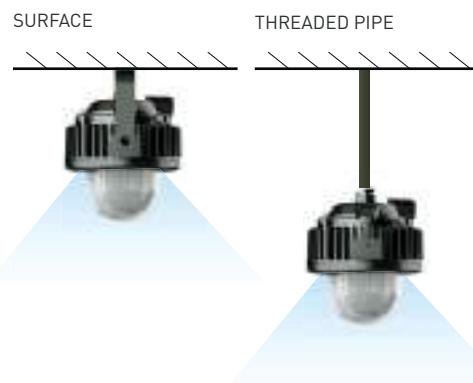
Angle of orientation: Up to 180°.



Installation systems:

Surface: by means of loop (included in product).

Suspension: by means of threaded tube
(threaded pipe not included).



ATEX
LIGHTING FAMILY

**WATERTIGHT SCREEN
WATERTIGHT TUBE SCREEN**



ATEX908

PANTALLA ESTANCA / WATERPROOF SCREEN



Color Secundario
Secondary Colour

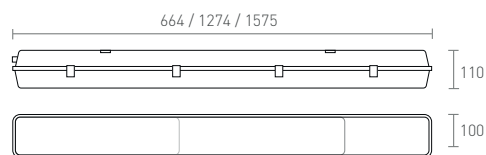


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Categoría ATEX gas: II 3G Ex nR IIC T5 Gc
Categoría ATEX polvo: II 3D Ex tc IIIC T100°C Dc

ZONA 2-22

Superficie Surface	LED W	Driver Incluido Included	120°	K	CRI	50.000h.
	16w 32w 40w			3000 4000 5000	>80	
ATEX	IP 66	IK 08	+50° -20°	Kg. ATEX 16w 1,5	Kg. ATEX 32w 3	Kg. ATEX 40w 3,5



ATEX908/ PANTALLA ESTANCA / WATERPROOF SCREEN

Ref.	Color / Colour	Medidas / Measures	W	[83] lm 3000k	*[84] lm 4000k	[85] lm 5000k
ATEX908 16 84	Gris / Gray	664x100x110	16	2560	2670	2670
ATEX908 32 84	Gris / Gray	1274x100x110	32	5120	5340	5340
ATEX908 40 84	Gris / Gray	1575x100x110	40	6310	6700	6700

*Estándar / *Standard

ATEX909

PANTALLA TUBO ESTANCA / WATERPROOF TUBE SCREEN



Color Secundario
Secondary Colour

Categoría ATEX gas: II 2G Ex db IIB+H2 T6 Gb
Categoría ATEX polvo: II 2D Ex tb IIIC T85°C Db

ZONA 1-21 y ZONA 2-22

Superficie	LED W 28w 55w 70w	Driver Incluido Included	120°	K 4000 5000	CRI >80	50.000h.
ATEX	IP 66	IK 10	+50° -20°	Kg. ATEX 16w 9,7	Kg. ATEX 32w 11,5	Kg. ATEX 40w 12,3



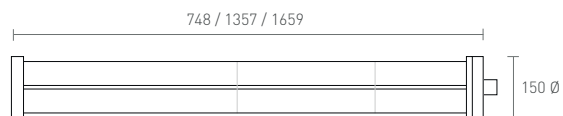
BRIDAS
CLAMPS



TAPÓN Ex db
PLUG Ex db



PRESANSAESTOPA Ex db
CABLEGLAND Ex db



ATEX909/ PANTALLA TUBO ESTANCA / WATERPROOF SCREEN

Ref.	Color / Colour	Medidas / Measures	W	*[84] lm 4000k	[85] lm 5000k
ATEX909 28 84	Gris / Gray	748x150	28	4300	4300
ATEX909 55 84	Gris / Gray	1357x150	55	8600	8600
ATEX909 70 84	Gris / Gray	1659x150	70	10740	10740

*Estándar / *Standard

ATEX
LIGHTING FAMILY

**PROJECTORS
BELLS**



ATEX 40/50

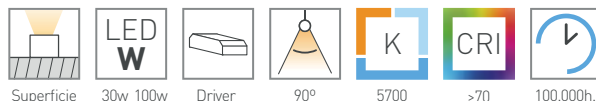
PROYECTOR / FLOOD LIGHT



Color Secundario
Secondary Colour



58



Superficie
Surface

LED
W
30w 100w
50w 150w
70w 200w

Driver
Incluido
Included

90°
60°

5700

CRI
>70

100.000h.



ATEX

IP
66

IK
08

WF2

180°

+50°
-30°

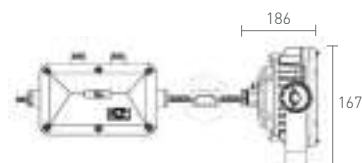
Kg.
ATEX40
9

Kg.
ATEX50
8,8

Grado
anticorrosión
Anticorrosion
grade



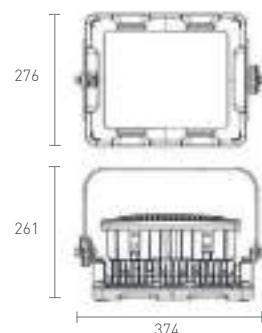
EMERGENCIA / EMERGENCY



ATEX40 / PROYECTOR CON EMERGENCIA (KE) / FLOOD LIGHT WITH EMERGENCY (KE) / 90°

Ref.	Color / Colour	W	W Emergencia / Emergency	*[85] lm 5700k
ATEX40 30	Gris / Gray	30	13,5	3600
ATEX40 50	Gris / Gray	50	13,5	6000
ATEX40 70	Gris / Gray	70	13,5	8400

*Estándar / *Standard



ATEX50 / PROYECTOR / HIGH BAY / 60°

Ref.	Color / Colour	W	*[85] lm 5700k
ATEX50 10	Gris / Gray	100	12000
ATEX50 15	Gris / Gray	150	18000
ATEX50 20	Gris / Gray	200	24000

*Estándar / *Standard

ATEX 10/20/30

CAMPANAS / HIGH BAY



Color Secundario
Secondary Colour



58



Tubo roscado
Threaded tube



Superficie
Surface



LED
W

10w 20w 30w 40w



Driver
Incluido
Included



120°
140°
95°



5700



>70



100.000h.



ATEX



IP
66



IK
08



WF2

Grado anticorrosión
Anticorrosion grade



+50°
-30°



180°



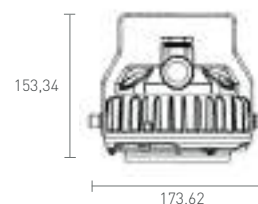
ATEX10
3,2



ATEX20
3,2



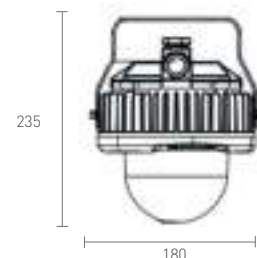
ATEX30
8,8



ATEX10 / MINI CAMPANA - PORYECTOR / MINI HIGH BAY - FLOOD LIGHT / 120°

Ref.	Color / Colour	W	*[85] lm 5700k
ATEX10 10	Gris / Gray	10	1200
ATEX10 20	Gris / Gray	20	2400
ATEX10 30	Gris / Gray	30	3600

*Estándar / *Standard



ATEX20 / MINI CAMPANA GRAN APERTURA / LARGE OPENING MINI HIGH BAY / 140°

Ref.	Color / Colour	W	*[85] lm 5700k
ATEX20 20	Gris / Gray	20	2400
ATEX20 30	Gris / Gray	30	3600
ATEX20 40	Gris / Gray	40	4800

*Estándar / *Standard



ATEX30 / CAMPANA / HIGH BAY / 95°

Ref.	Color / Colour	W	*(85) lm 5700k
ATEX30 10	Gris / Gray	100	12000
ATEX30 15	Gris / Gray	150	18000

*Estándar / *Standard



Los beneficios de las luminarias de LEDs de secom.

Ahorro energético por su alta eficiencia.

Ahorro en mantenimiento de luminarias.

Reproducción cromática (IRC) 80.

Amplia gama en temperaturas de color.

Amplia gama de medidas y de colores.

Posibilidad de regular las luminarias.

Ópticas de alto rendimiento.

Fácil montaje e instalación.

¿Por qué trabajar con secom?

Fabricación nacional de todas sus luminarias de LEDs.

Disponibilidad de todos los componentes de las luminarias de LEDs (disipadores, LEDs, circuitos, drivers, etc) para reposición.

El mejor servicio en luminarias de LEDs, debido a la fabricación nacional y al gran stocks de componentes.

Gran versatilidad en diseño, posibilidad de personalizar luminarias.

Productos que cumplen la normativa europea vigente.

LEDs Osram / Samsung.

Estricto control de calidad.

Gran inversión en I+D+i para el desarrollo de flujos lumínicos y tecnologías de disipación de temperatura.

PCB con fechador para verificar la vida media útil garantizada.

The benefits of secom LED lighting fittings.

Energy-saving because of his high efficiency.

Saving in maintenance.

Cromatic reproduction (ICR) 80.

Wide range of colour temperature.

Wide range of measures and colours.

Possibility of dimming the lighting fitting.

High output optics.

Easy installation.

Why should you work with secom?

Own production of all our LED light fitting.

Availability of all components of LEDs fittings (heat sink, LEDs, drivers, etc.) for replacement.

The best service in the LEDs fitting due to the production in our own production plants of and a large stock of components.

Flexibility in design and possibility of customize the fittings.

The products comply with European standards.

Components are Osram / Samsung.

Strict quality control.

Big investment in R&D on development of luminus fluxes and temperature dissipation technologies.

PCB with its production date for life span control.



secom
here comes the light

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