

LIGHTING FAMILY

LUMINARIAS ATMÓSFERAS EXPLOSIVAS LUMINAIRES EXPLOSIVE ATMOSPHERES



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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:



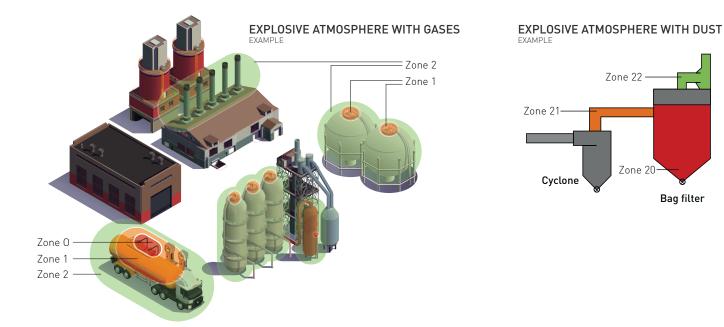
Both for the classification of these sites and to provide electrical equipment with an adequate protection mode to prevent the generation of ignition sources in an explosive atmosphere, it is important to take into account certain parameters that influence the risk of explosion and the mechanisms to 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 O (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 Dust Gases **IDENTIFICATION BY ZONE** Zone Category Zone Category 0 1G 20 1D 21 2D 1 2G

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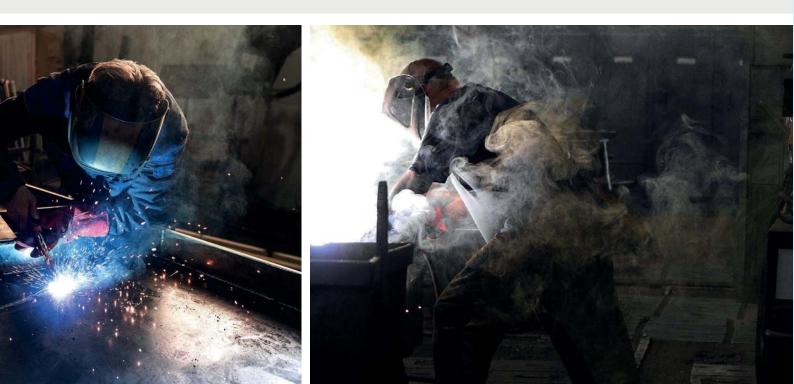
3G

22

3D

EXAMPLES OF AREAS WITH RISK OF EXPLOSIVE ATMOSPHERES

- I 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.



II 3 G Ex nR IIC T5 Gc ATEX CATEGORY SECOM LUMINAIRES



CE 1282 🔂 II 3G Ex nR IIC T5 Gc

LL 105 2018 A

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CE Marking

Notified Body Identification Number (in some cases)

Distinctive marking for equipment intended for use in explosive atmospheress

Group indication

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	
	Present continuously or for long periods	Zone 0	Ш	1G	Ga	
Gases Vapores	Sporadically present	Zone 1	П	2G o 1G	Gb o Ga	
	Rarely or never present	Zone 2	н	3G o 2G o 1G	Gc, Gb o Ga	
	Present continuously or for long periods	Zone 20	Ш	1D	Da	
Powders	Sporadically present	Zone 21	Ш	2D o 1D	Db o Da	
	Rarely or never present	Zone 22	П	3D o 2D o 1D	Dc, Db o Da	
		Mining	I	M1	Ma	
Grisú		Mining	I	M1 o M2	Mb o Ma	

Ex nR Protection modes

Protection modes						
Principle 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			

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Gas group

* When complying with the IICalso meets theIIA 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	T5 Temperature class		Temperature classes						
* When reaching T5 also		T1	T2	тз	Т4	Т5	T6		
	T1/T2/T3/T4	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.



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

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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	xposure time Zone Group Category		Material protection level			
	Present continuously or for long periods	Zone 0	Ш	1G	Ga		
Gases	Present sporadically	Zone 1	П	2G o 1G	Gb o Ga		
Vapores	Present rarely or never	Zone 2	П	3G o 2G o 1G	Gc, Gb o Ga		
	Present continuously or for long periods	Zone 20	Ш	1D	Da		
Powders	Present sporadically	Zone 21	Ш	2D o 1D	Db o Da		
	Present rarely or never	Zone 22	н	3D o 2D o 1D	Dc, Db o Da		
		Mining	I	М1	Ма		
Grisú		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 Ex tb Ex tc	Zone 21 y 22			
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

IIIA and IIIB

*By complying with IIIC also complies with

Subdivisions of Group III							
IIIA IIIB IIIC							
Non-conductive dust	Conductive dust						
	IIIB Non-conductive dust						

100°C Maximum surface temperature reached by the luminaire

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

ATEX909 Tube screen watertight **GAS MARKING**

II 2 G Ex db IIC T6 Gb ATEX CATEGORY SECOM LUMINAIRES



INERIS 14 ATEX 0064X

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

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CE Marking

Notified Body Identification Number (in some cases)

Distinctive marking for equipment intended for use in explosive atmospheres

Group indication

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	
	Present continuously or for long periods	Zone 0	Ш	1G	Ga	
Gases Vapors	Present sporadically	Zone 1	н	2G o 1G	Gb o Ga	
	Present rarely or never	Zone 2	н	3G o 2G o 1G	Gc, Gb o Ga	
	Present continuously or for long periods	Zone 20	Ш	1D	Da	
Powders	Present sporadically	Zone 21	Ш	2D o 1D	Db o Da	
	Present rarely or never	Zone 22	П	3D o 2D o 1D	Dc, Db o Da	
		Mining	I	M1	Ma	
Grisú		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	Gases and vapors division								
*By complying with IIB also meets the IIA		Gas group	Type of gas or steam							
		IIA	ammonia methane ethane propane	ethyl alcohol cyclohexane butane		acetaldeł	nyde			
		IIB	nitrile acrylic city gas	ethylene ethylene oxide	ethylene gly hydrogen sulfide					
		IIC	hydrogen	acetylene				carbon disulfide		
T6	Temperature class	SS Temperature classes								
*14/1	······································		T1	T2	T3	T4	Т5	Т6		
rwhen	meeting T6 also		450°C	300°C	200°C	135°C	100°C	85°C		

meets T1/T2/T3/T4/T5

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.

ATEX909 Tube screen watertight MARKED POWDER

II 2 D Ex tb IIC T85°C Db ATEX CATEGORY SECOM LUMINAIRES



C € | 1282 | 🔂 | II | 2D | Ex tb | IIIC | 85°C | Db

INERIS 14 ATEX 0064X

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

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CE Marking

Notified Body Identification Number (in some cases)

Distinctive marking for equipment intended for use in explosive atmospheres

Group indication

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	Material protection level					
	Present continuously or for long periods	Zone 0	Ш	1G	Ga				
Gsess	Sporadically present	Zone 1	П	2G o 1G	Gb o Ga				
Vapors	Rarely or never present	Zone 2	П	3G o 2G o 1G	Gc, Gb o Ga				
	Present continuously or for long periods	Zone 20	Ш	1D	Da				
Powders	Sporadically present	Zone 21	Ш	2D o 1D	Db o Da				
	Rarely or never present	Zone 22	н	3D o 2D o 1D	Dc, Db o Da				
		Mining	I	M1	Ма				
Grisú		Mining	I	M1 o M2	Mb o Ma				

Ex tb Protection modes

Protection modes							
Principle of protection	Marking	Use in zone					
Contains the explosion	Dust cover	Ex ta Ex tb Ex tc	Zone 21 y 22				
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				

IIIC Dust group

IIIA and IIIB

*By complying with IIIC also complies with

IIIB n-conductive dust	IIIC Conductive dust						
n-conductive dust	Conductive dust						
	-						
	IIIE suitable for group IIIA a ble for group IIIB and II						

IIIC

85°C Maximum surface temperature reached by the luminaire

Equipment Protection Level (EPL): Level of protection assigned to the equipment based on its Db 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
Crown I	M1		Present continuously or for long periods	Very high
Group I	M2		Present sporadically	High
	1 G	0		Vonskieh
	1 D	20	Present continuously or for long periods	Very high
	2 G	1	Present sporadically	High
Group II	2 D	21	Present sporaucatly	nıgı
	3 G	2	Present rarely or never	Normal
	3 D	22		Normat

	PROTECTION MODES								
	Marking	Principle of protection	Type of protection	Use in zone	EN Standard				
	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				
	Exi	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 py = for use in zone 1 and 2	Pressurization	Zone 1 y 2	EN 60079-2				
G	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-spsrks	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				
	Ext	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				
D	Exi	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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EMC 18 ATEX 2599

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

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CE Marking

Notified Body Identification Number (in some cases)

Distinctive marking for equipment intended for use in explosive atmospheres

Group indication

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	Material protection level				
	Present continuously or for long periods			1G	Ga			
Gases	Present sporadically	Zone 1	н	2G o 1G	Gb o Ga			
Vapors	Present rarely or never	Zone 2	н	3G o 2G o 1G	Gc, Gb o Ga			
	Present continuously or for long periods	Zone 20	Ш	1D	Da			
Powders	Present sporadically	Zone 21	Ш	2D o 1D	Db o Da			
	Present rarely or never	Zone 22	П	3D o 2D o 1D	Dc, Db o Da			
	Mining		I	M1	Ма			
Grisú		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	División de gases y vapores							
*Dy complying with the	Gas group	up Tipo de gas o vapor						
*By complying with the IICalso complies with the IIA and IIB	IIA	ammonia methane ethane propane	alcohol etílic ciclohexano butano	- hovano	acetaldeh	yde		
	IIB	nitrile acrylic city gas	ethylene ethylene oxide	ethylene gl hydroger sulfide				
	IIC	hydrogen	acetylene				carbon disulfide	
	Temperature classes							
T6 Temperature class		T1	T2	тз	T4	T5	T6	
*When meeting T6 also m	neets	450°C	300°C	200°C	135°C	100°C	85°C	

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

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



C € | 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.

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Group indication

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	
	Present continuously or for long periods	Zone 0	П	1G	Ga	
Gases	Present sporadically	Zone 1	П	2G o 1G	Gb o Ga	
Vapors	Present rarely or never	Zone 2	Ш	3G o 2G o 1G	Gc, Gb o Ga	
	Present continuously or for long periods	Zone 20	Ш	1D	Da	
Powders	Present sporadically	Zone 21	н	2D o 1D	Db o Da	
	Present rarely or never	Zone 22	Ш	3D o 2D o 1D	Dc, Db o Da	
		Mining	I.	M1	Ma	
Grisú		Mining	I.	M1 o M2	Mb o Ma	

Protection modes Ex tb

Protection modes					
Principle of protection Type of protection Marking Use in zone					
		Ex ta			
Contains the explosion	Octopus wrapping	Ex tb	Zone 21 y 22		
		Ex tc			
Prevents explosive atmosphere from entering the enclosure	Powder pressurization	Ex pb Ex pc	Zone 21 y 22		
Limita la energía	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

IIIA and IIIB

*By complying with IIIC also complies with

Subdivisions of Group III Combustible particles in Non-conductive dust Conductive dust suspension IIIC IIIB IIIA 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

Equipment Protection Level (EPL): Level of protection assigned to the equipment based on Db 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

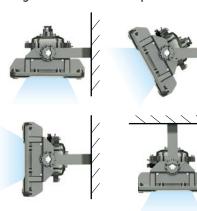
Atex Standards EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-28:2015 EN 60079-31:2014



Luminaires manufactured with high quality materials high quality, giving them resistance and robustness. Reinforced aluminum structure and safety glass diffuser.

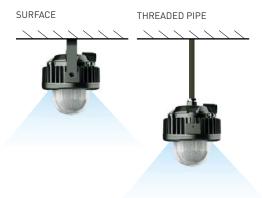


Angle of orientation: Up to 180°.



Installation systems:

Surface: by means of loop (included in product). Suspension: by means of threaded tube (threaded pipe not included).





WATERTIGHT SCREEN WATERTIGHT TUBE SCREEN



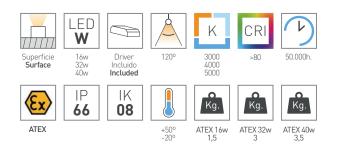
ATEX908

PANTALLA ESTANCA / WATERPROOF SCREEN

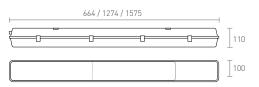


Categoría ATEX gas: II 3G Ex nR IIC T5 Gc Categoría ATEX polvo: II 3D Ex tc IIIC T100°C Dc

ZONA 2-22







ATEX908/ PANTALLA ESTANCA / WATERPROOF SCREEN

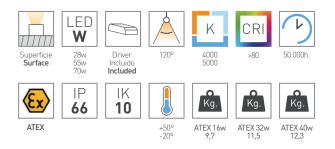
Ref.	Color / Colour	Medidas / Measures	W	(83) lm 3000k	*(84) lm 4000k	(85) lm 5000k
ATEX908 16 84	Gris / Gray	664x100x110	16	2560	2670	2670
ATEX908 32 84	Gris / Gray	1274x100x110	32	5120	5340	5340
ATEX908 40 84	Gris / Gray	1575x100x110	40	6310	6700	6700
					*Estáno	dar/*Standard





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







BRIDAS Clamps



TAPÓN Ex db **PLUG Ex db**



PRESANSAESTOPA Ex db CABLEGLAND Ex db



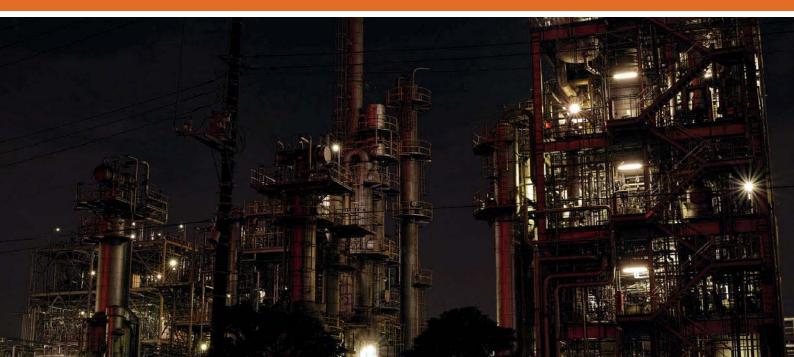
ATEX909/ PANTALLA TUBO ESTANCA / WATERPROOF SCREEN

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
				*==+4==	/*C+

*Estándar / ***Standard**

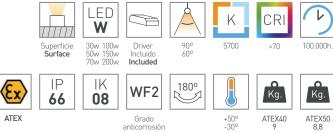


PROJECTORS BELLS









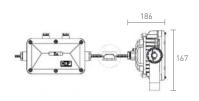
Grado anticorrosión Anticorrosion grade

ATEX50 8,8

V







ATEX40 / PROYECTOR CON EMERGENCIA (KE) / FLOOD LIGHT WITH EMERGENCY (KE) / 900

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

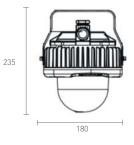


ATEXIO / MINI CAMPANA - PORYECTOR / MINI HIGH BAY - FLOOD LIGHT / 120°

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
ATEX2030	Gris / Gray	30	3600
ATEX20 30	Gris / Gray	40	4800
		******	/*c





ATEX30 / CAMPANA / HIGH BAY/ 95°

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





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