

# GENEL

## Ex linear LED light fitting for zone 2 and 22

NEW



30 years of power

### General:

The light fittings with IP 65 protection are intended to be installed in particular in interiors defined as areas with danger of explosion in zones 2 and 22.

They meet requirements of Government Decree No. 116/2016 Coll. and European Community Directive 2014/34/EU.

The light fitting resists dust, moisture and water jets. The base and the diffuser made of polycarbonate (PC) have increased resistance to deformation and impact.

Option for delivery in a dimmable version with a DALI module or an emergency version with an operating time of 1 or 3 hours.



Types	Output [W]	Light flux [lm]	Ambient temperature [°C]	Weight [kg]
GENEL LED Ex 118/L	11	1 690	-25°C up to +60°C	2,0
GENEL LED Ex 118/H	16	2 350	-25°C up to +55°C	2,0
GENEL LED Ex 218/L	22	3 330	-25°C up to +60°C	2,1
GENEL LED Ex 218/H	31	4 710	-25°C up to +55°C	2,1
GENEL LED Ex 136/L	23	3 330	-25°C up to +60°C	3,2
GENEL LED Ex 136/H	31	4 660	-25°C up to +55°C	3,3
GENEL LED Ex 136/EH	44	6 710	-25°C up to +55°C	3,3
GENEL LED Ex 236/L	43	6 710	-25°C up to +60°C	3,4
GENEL LED Ex 236/H	60	9 340	-25°C up to +55°C	3,5
GENEL LED Ex 236/EH	85	13 330	-25°C up to +40°C	3,7
GENEL LED Ex 158/L	27	4 150	-25°C up to +60°C	4,1
GENEL LED Ex 158/H	38	5 810	-25°C up to +55°C	4,2
GENEL LED Ex 158/EH	53	8 300	-25°C up to +55°C	4,2
GENEL LED Ex 258/L	54	8 310	-25°C up to +60°C	4,3
GENEL LED Ex 258/H	71	11 080	-25°C up to +55°C	4,4
GENEL LED Ex 258/EH	106	16 520	-25°C up to +40°C	4,6
GENEL LED Ex 258/UH	118	17 660	-25°C up to +40°C	4,6

**Product group and category:**  
II 3G / 3D: zone 2 and 22

**Explosion-proof design:**  
Ex nR IIC T6 Gc  
Ex tc IIIC T70°C Dc

**Ambient temperature:**  
-25°C up to +60°C

**Protection:**  
IP66

**Light fitting material:**  
- **Base:** grey polycarbonate  
- **Diffuser:** translucent polycarbonate  
- **Clips:** stainless steel, polyamide  
- **Reflector:** white steel plate

**Dimensions:**  
18 – 662 × 145 × 111 mm  
36 – 1272 × 145 × 111 mm  
58 – 1572 × 145 × 111 mm

**LED colour:**  
4,000 K

**LED lifetime:**  
50,000 hours / L90B10

### Options:

- /1F: 3 core through-wiring in the luminaire
- /3F: 5 core through-wiring in the luminaire
- /D: digital dimmable driver DALI
- /M\*h: emergency back-up source (\*=1 or 3 hours)
- **Optional color temperature:**  
/830 - 3,000K; /850 - 5,000K;  
/865 - 6,500K

## LED-Emergency maintained light fittings:

Types /M1h; /M3h	Output [W]	Light flux [lm]	Ambient temperature [°C]	Weight [kg]
GENEL LED Ex 118/L/M*h	11	1 690	0°C up to +45°C	2,5
GENEL LED Ex 118/H/M*h	16	2 350	0°C up to +45°C	2,5
GENEL LED Ex 218/L/M*h	22	3 330	0°C up to +40°C	2,6
GENEL LED Ex 218/H/M*h	31	4 710	0°C up to +35°C	2,6
GENEL LED Ex 136/L/M*h	23	3 330	0°C up to +50°C	3,7
GENEL LED Ex 136/H/M*h	31	4 660	0°C up to +50°C	3,7
GENEL LED Ex 236/L/M*h	43	6 710	0°C up to +45°C	3,9
GENEL LED Ex 236/H/M*h	60	9 340	0°C up to +40°C	3,9
GENEL LED Ex 158/L/M*h	27	4 150	0°C up to +50°C	4,6
GENEL LED Ex 158/H/M*h	38	5 810	0°C up to +50°C	4,7
GENEL LED Ex 258/L/M*h	54	8 310	0°C up to +45°C	4,8
GENEL LED Ex 258/H/M*h	71	11 080	0°C up to +40°C	4,8

### /M1h, /M3h:

- **Normal + emergency** operation
- **1 or 3 hours** of em.lighting
- 440 lm light flux of emergency operation
- Amb. temperature: **0°C to +60°C**

### Options:

- **/1F:** 3 core through-wiring in the luminaire
- **/3F:** 5 core through-wiring in the luminaire
- **/D:** digital dimmable driver DALI
- **Optional color temperature:**  
/830 - 3,000K; /850 - 5,000K;  
/865 - 6,500K

## LED-Emergency non-maintained light fittings:

Types /NM1h; /NM3h	Output [W]	Light flux [lm]	Ambient temperature [°C]	Weight [kg]
GENEL LED Ex 118/NM1h	7	440	0°C up to +50°C	1,6
GENEL LED Ex 118/NM3h	7	440	0°C up to +50°C	1,8

### /NM1h, /NM3h:

- **Emergency** operation
- **1 or 3 hours** of emergency lighting
- 440 lm light flux
- Without autotest
- Ambient temperature: **0°C up to +50°C**

### Options:

- **Escape pictograms**
- **/3F** - 5 core through-wiring in the luminaire



Module signalling without autotest

Green LED ●

Flashing Battery charging

- Em. mode / running test

## Light fitting mounting:

- Direct mounting to the ceiling or wall using screws and stainless steel brackets
- Suspension using stainless steel hooks

