

Lighting: Fluorescent & LED Lighting Fixture (Ceiling), ELPG Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 22

Application

Can be installed in hazardous areas designated as Zone 1, Zone 2, and Zone 22.

Suitable for indoor and outdoor use where protection against dirt, water, and moisture is required.

Typical applications include oil refineries, petrochemical plants, and pulp and paper mills.

Specification

Body material	: Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey)
Tube	: Borosilicate glass
Internal reflector	: Anodized aluminium
Guard (option)	: Stainless steel, SS 304



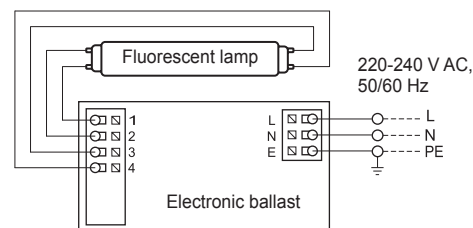
Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	22
Equipment Group/Category	II 2G	II 3D
Symbol of Protection	Ex d IIB T6 Gb	Ex tc IIB T85°C Dc
Conformity to standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-31	
Ambient Temperature	-20°C to +50°C	
Index of Protection	IP54	
Entry Threads	M20x1.5, M25x1.5, 1/2" NPT or 3/4" NPT	
Mounting	Ceiling mount	
Rated Voltage	110-240 V AC, 50/60 Hz, P.F. ≥ 0.98	

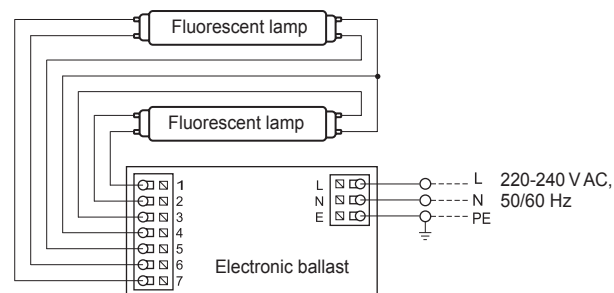


Wiring Diagram

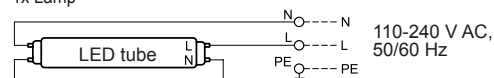
Electronic ballast for fluorescent lamp;
1x 14 W, 1x 28 W, 1x 18 W and 1x 36 W



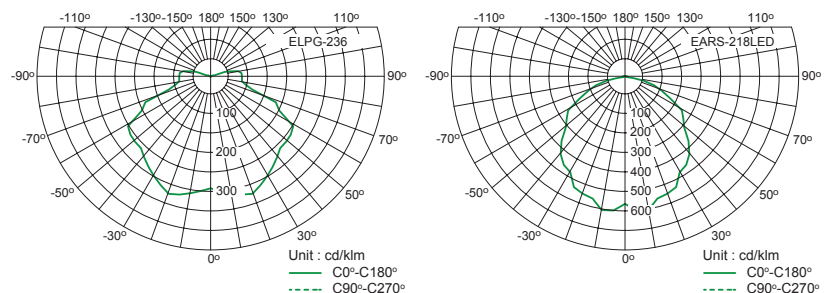
Electronic ballast for fluorescent lamp;
2x 14 W, 2x 28 W, 2x 18 W and 2x 36 W



LED tube (Single-ended, Built-in driver)
1x Lamp

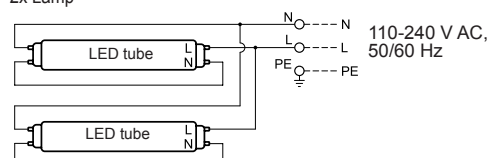


Luminous Intensity Distribution Curve



Complete photometrics, please contact us.

2x Lamp



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Catalogue Number Logic

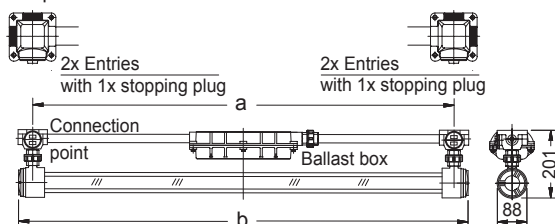
ELPG -	■ ■ ■ ■	■ ■ ■ ■	-	□	-	□ □
Series	Lamp watt (see ordering requirement table below)	Lamp type none Fluorescent lamp LED LED tube	Accessories G Protective guard E Emergency power unit	Entry threads M1 M20x1.5 M2 M25x1.5	N1 1/2" NPT N2 3/4" NPT	

Ordering Requirements and Dimensions

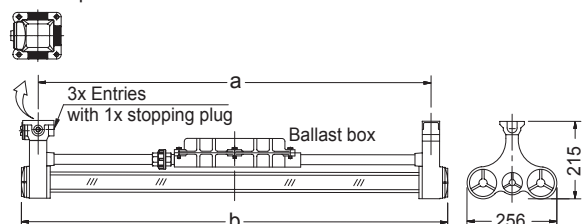
Cat. No.	Lamp watt	Voltage	Ballast	Temp. Class (for zone 1 & 2)		Max. Surface Temp.* (for zone 22)		Volume (cm³)	Dimensions in mm		Approx. weight (kg)	
				Ta 40°C	Ta 50°C	Ta 40°C	Ta 50°C		a	b		
T8 fluorescent lamp												
ELPG -118	- □ - □ □	1x 18 W	220-240 V AC, 50/60 Hz	Electronic	T6	T6	T85°C	T85°C	1,680	620	715	7.45
ELPG -218	- □ - □ □	2x 18 W							3,700	685	725	10.15
ELPG -136	- □ - □ □	1x 36 W							3,010	1,255	1,333	9.85
ELPG -236	- □ - □ □	2x 36 W							6,350	1,232	1,325	15.38
T5 fluorescent lamp												
ELPG -114	- □ - □ □	1x 14 W	220-240 V AC, 50/60 Hz	Electronic	T6	T6	T85°C	T85°C	1,680	620	715	7.45
ELPG -214	- □ - □ □	2x 14 W							3,700	685	725	10.15
ELPG -128	- □ - □ □	1x 28 W							3,010	1,255	1,333	9.85
ELPG -228	- □ - □ □	2x 28 W							6,350	1,232	1,325	15.38
LED tube (Single-ended, Built-in driver)												
ELPG -105LED	- □ - □ □	1x 5 W	110-240 V AC, 50/60 Hz	—	T6	T6	T85°C	T85°C	1,680	620	715	7.45
ELPG -205LED	- □ - □ □	2x 5 W							3,700	685	725	10.15
ELPG -106LED	- □ - □ □	1x 6 W							1,680	620	715	7.45
ELPG -206LED	- □ - □ □	2x 6 W							3,700	685	725	10.15
ELPG -108LED	- □ - □ □	1x 8 W							1,680	620	715	7.45
ELPG -208LED	- □ - □ □	2x 8 W							3,700	685	725	10.15
ELPG -109LED	- □ - □ □	1x 9 W							1,680	620	715	7.45
ELPG -209LED	- □ - □ □	2x 9 W							3,700	685	725	10.15
ELPG -114LED	- □ - □ □	1x 14 W							3,010	1,255	1,333	7.45
ELPG -214LED	- □ - □ □	2x 14 W							6,350	1,232	1,325	10.15
ELPG -115LED	- □ - □ □	1x 15 W							3,010	1,255	1,333	7.45
ELPG -215LED	- □ - □ □	2x 15 W							6,350	1,232	1,325	10.15
ELPG -116LED	- □ - □ □	1x 16 W							3,010	1,255	1,333	7.45
ELPG -216LED	- □ - □ □	2x 16 W							6,350	1,232	1,325	10.15
ELPG -118LED	- □ - □ □	1x 18 W							3,010	1,255	1,333	9.85
ELPG -218LED	- □ - □ □	2x 18 W							6,350	1,232	1,325	15.38
ELPG -120LED	- □ - □ □	1x 20 W							3,010	1,255	1,333	9.35
ELPG -220LED	- □ - □ □	2x 20 W							6,350	1,232	1,325	15.38
ELPG -122LED	- □ - □ □	1x 22 W							3,010	1,255	1,333	9.38
ELPG -222LED	- □ - □ □	2x 22 W							6,350	1,232	1,325	15.38
ELPG -125LED	- □ - □ □	1x 25 W							3,010	1,255	1,333	9.38
ELPG -225LED	- □ - □ □	2x 25 W							6,350	1,232	1,325	15.38

Lighting source; daylight (6,500 K) are standard and/or warm white (3,000 K), please specify.

1x Lamp



2x Lamp



Remark *: The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.