

LIGHTING FIXTURES FOR FLUORESCENT TUBE LAMPS AND LED

Explosion Proof Electrical Equipment

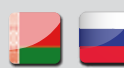


Ex Lighting

EVFG

Installation: hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)
Classification: Group II - Category 2G 2D

EVFG



	LIGHTING FIXTURES				
	ATEX 94/9/EC	IEC Ex	INMETRO	GOST-R (RTR/RTN)	GOST-K
EXECUTION	II 2 G Ex d IIC T6 Gb II 2 G Ex de IIC T6 Gb II 2 G Ex tb IIIC T85°C Db	II 2 G Ex d IIC T6 Gb II 2 G Ex de IIC T6 Gb II 2 G Ex tb IIIC T85°C Db	Ex d IIC T6 Gb Ex de IIC T6 Gb Ex tb IIIC T85°C Db	1Ex d IIC T6 1Ex de IIC T6 DIP A21 Ta (85)°C	1Ex d IIC T6 1Ex de IIC T6 DIP A21 Ta (85)°C
INSTALLATION	ZONE 1/2 - ZONE 21/22	ZONE 1/2 - ZONE 21/22	ZONE 1/2 - ZONE 21/22	ZONE 1/2 - ZONE 21/22	ZONE 1/2 - ZONE 21/22
PROTEC. DEGREE	IP66	IP66	IP66	IP66	IP66
CERTIFICATE REF.	INERIS 12 ATEX 0023X	-	-	-	-
RULES OF COMPLIANCE	EN 60079-0:2009; EN 60079-1:2007; EN 60079-7:2008; EN 60079-31:2009	IEC 60079-0:2007-10; IEC 60079-1:2007-04; IEC 61242-31:2008-11	ABNT NBR IEC 60079-0:2007-10; ABNT NBR IEC 60079-1:2007-04; ABNT NBR IEC 61242-31:2008-11	ГОСТ Р МЭК 60079-0:2011; ГОСТ Р МЭК 61241-0:2007; ГОСТ Р МЭК 61241-1:2004	ГОСТ Р 51330.0 /1/8/14-99 ГОСТ Р МЭК 61241-1-1-2002

Mechanical characteristics

Body	marine grade copper free aluminium
Tubes	high-temperature resistant borosilicate glass tube
Painting	external epoxy powders grey RAL-9006 colour
Screws	external stainless steel
Gaskets	NBR rubber
Reflectors	white stove enamelled sheet steel
Cable entry	3/4" NPT size threaded

Electrical characteristics for fluorescent tube lamps

Power Supply	Electronic ballast 110V/260V - 0/50/60Hz (P.F.Corrected - Cos P ≥ 0,98)
Lampholders	Bi-Pin G13 Cap
Internal Wiring	105° C resistant silicon rubber insulation cables
Terminals	Suitable up to 4sq/mm cables
Emergency Unit	Emergency unit with autonomy from 120 Min.

Electrical characteristics for LED lamps

Power Supply	Electronic ballast 90÷277Vac 50/60hz (cos p ≥ 0,98)
Lampholders	Bi-Pin G13 Cap
Internal Wiring	105° C resistant silicon rubber insulation cables
Terminals	Suitable up to 4sq/mm cables

ON REQUEST ACCESSORIES:

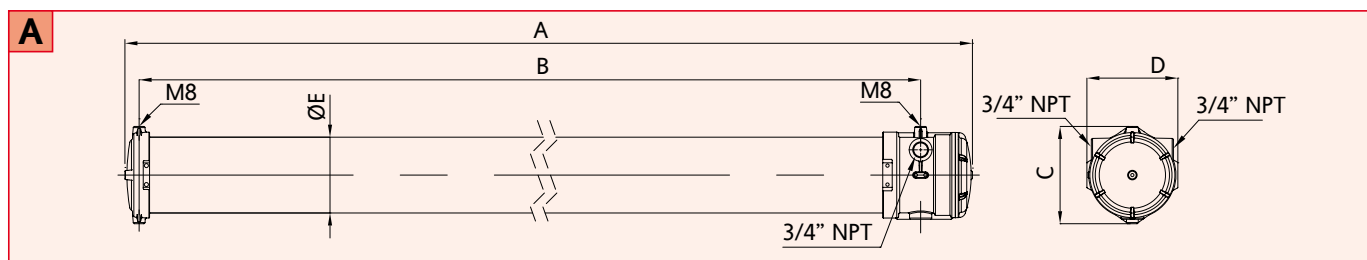
- Pole mounting kit complete with stainless steel hardware
- Ceiling mounting kit complete with stainless steel hardware
- Pendant mounting kit complete with stainless steel hardware
- Wall/Structure mounting kit complete with stainless steel hardware
- External painting colour on request
- Electronic ballast with voltage supply different than standard
- 3h autonomy battery pack
- protection guard

EVFG Technical data

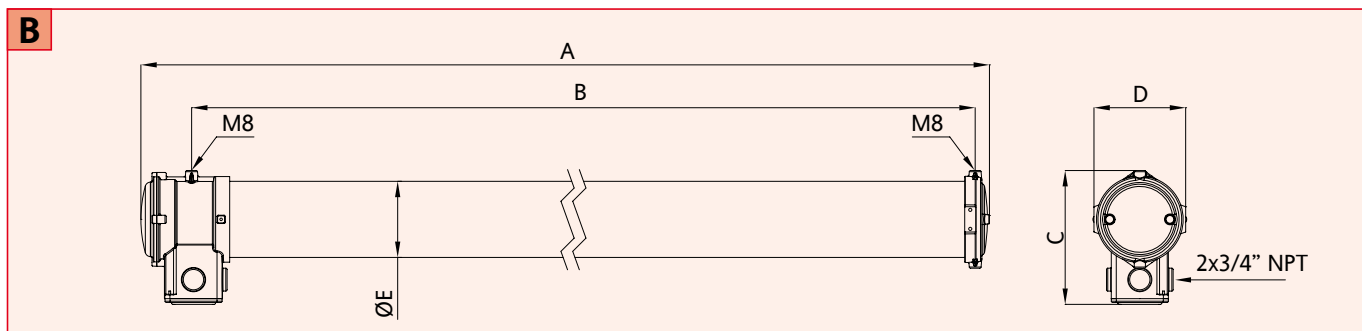
CODE	LAMP	TEMPERATURE CLASS (GAS)	TEMPERATURE CLASS (DUSTS)	LAMPHOLDER	CABLE ENTRY	EMERGENCY UNIT	AUTONOMY	DETAIL
FLUORESCENT LIGHTING FIXTURES FOR TWIN LAMPS - POWER SUPPLY 110V / 260V - AC/DC								
EVFG208	2 x 8W	T6	T 85°C	G5	2 x 3/4"	-	-	A
EVFG208-DE	2 x 8W	T6	T 85°C	G5	2 x 3/4"	-	-	B
EVFG218	2 x 18W	T6	T 85°C	G13	2 x 3/4"	-	-	A
EVFG218-DE	2 x 18W	T6	T 85°C	G13	2 x 3/4"	-	-	B
EVFG236	2 x 36W	T6	T 85°C	G13	2 x 3/4"	-	-	A
EVFG236-DE	2 x 36W	T6	T 85°C	G13	2 x 3/4"	-	-	B
EVFG258	2 x 58W	T6	T 85°C	G13	2 x 3/4"	-	-	A
EVFG258-DE	2 x 58W	T6	T 85°C	G13	2 x 3/4"	-	-	B
EMERGENCY FLUORESCENT LIGHTING FIXTURES FOR TWIN LAMPS - POWER SUPPLY 230V / 240Vac								
EVFGE208	2 x 8W	T6	T 85°C	G5	2 x 3/4"	4.8 V - 4Ah	120 min.	A
EVFGE208-DE	2 x 8W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	B
EVFGE218	2 x 18W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	A
EVFGE218-DE	2 x 18W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	B
EVFGE236	2 x 36W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	A
EVFGE236-DE	2 x 36W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	B
EVFGE258	2 x 58W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	A
EVFGE258-DE	2 x 58W	T6	T 85°C	G13	2 x 3/4"	4.8 V - 4Ah	120 min.	B
LED LIGHTING FIXTURES FOR TWIN LAMP - POWER SUPPLY 90÷277Vac								
CODE	LAMP	TEMPERATURE CLASS (GAS)	TEMPERATURE CLASS (DUSTS)	LAMPHOLDER	CABLE ENTRY	ILLUMINATION LEVEL [lm]	EQUIVALENT TO	DETAIL
EVFG9L	2 x 9W	T6	T 85°C	G13	2 x 3/4"	2160	2 x 18W fluorescent	A
EVFG9L-DE	2 x 9W	T6	T 85°C	G13	2 x 3/4"	2160		B
EVFG20L	2 x 20W	T6	T 85°C	G13	2 x 3/4"	4680	2 x 36W fluorescent	A
EVFG20L-DE	2 x 20W	T6	T 85°C	G13	2 x 3/4"	4680		B
EVFG28L	2 x 28W	T6	T 85°C	G13	2 x 3/4"	6480	2 x 58W fluorescent	A
EVFG28L-DE	2 x 28W	T6	T 85°C	G13	2 x 3/4"	6480		B

EVFG Technical features

CODE	A [mm]	B [mm]	C [mm]	D [mm]	ØE [mm]	WEIGHT [Kg]	CABLE ENTRY	DETAIL
EVFG208	350	247	155	145	120	3,50	2 x 3/4"	A
EVFG208-DE	350	247	210	145	120	4,00	2 x 3/4"	B
EVFG218	743	640	155	145	120	6,20	2 x 3/4"	A
EVFG218-DE	743	640	210	145	120	6,70	2 x 3/4"	B
EVFG236	1343	1240	155	145	120	8,20	2 x 3/4"	A
EVFG236-DE	1343	1240	210	145	120	8,70	2 x 3/4"	B
EVFG258	1643	1540	155	145	120	10,20	2 x 3/4"	A
EVFG258-DE	1643	1540	210	145	120	10,70	2 x 3/4"	B
EVFGE208	350	247	155	145	120	3,50	2 x 3/4"	A
EVFGE208-DE	350	247	210	145	120	4,00	2 x 3/4"	B
EVFGE218	743	640	155	145	120	6,20	2 x 3/4"	A
EVFGE218-DE	743	640	210	145	120	6,70	2 x 3/4"	B
EVFGE236	1343	1240	155	145	120	8,20	2 x 3/4"	A
EVFGE236-DE	1343	1240	210	145	120	8,70	2 x 3/4"	B
EVFGE258	1643	1540	155	145	120	10,20	2 x 3/4"	A
EVFGE258-DE	1643	1540	210	145	120	10,70	2 x 3/4"	B
EVFG9L	350	247	155	145	120	3,50	2 x 3/4"	A
EVFG9L-DE	350	247	210	145	120	4,00	2 x 3/4"	B
EVFG20L	743	640	155	145	120	6,20	2 x 3/4"	A
EVFG20L-DE	743	640	210	145	120	6,70	2 x 3/4"	B
EVFG28L	1343	1240	155	145	120	8,20	2 x 3/4"	A
EVFG28L-DE	1343	1240	210	145	120	8,70	2 x 3/4"	B



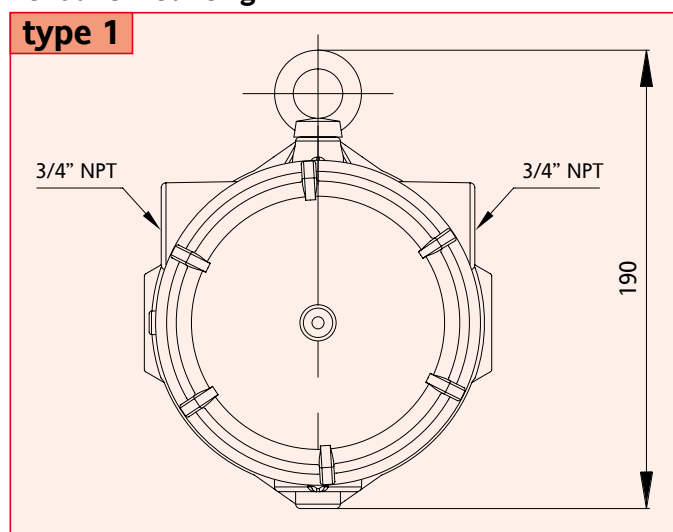
EVFG Technical features



EVFG Installation and mounting details

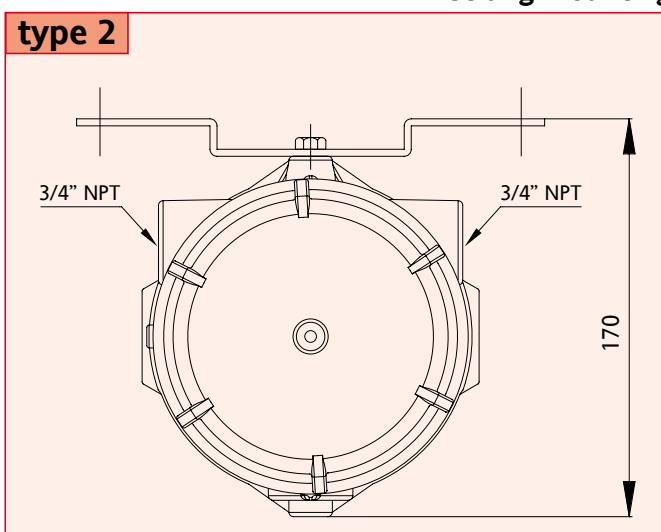
Pendant mounting

type 1



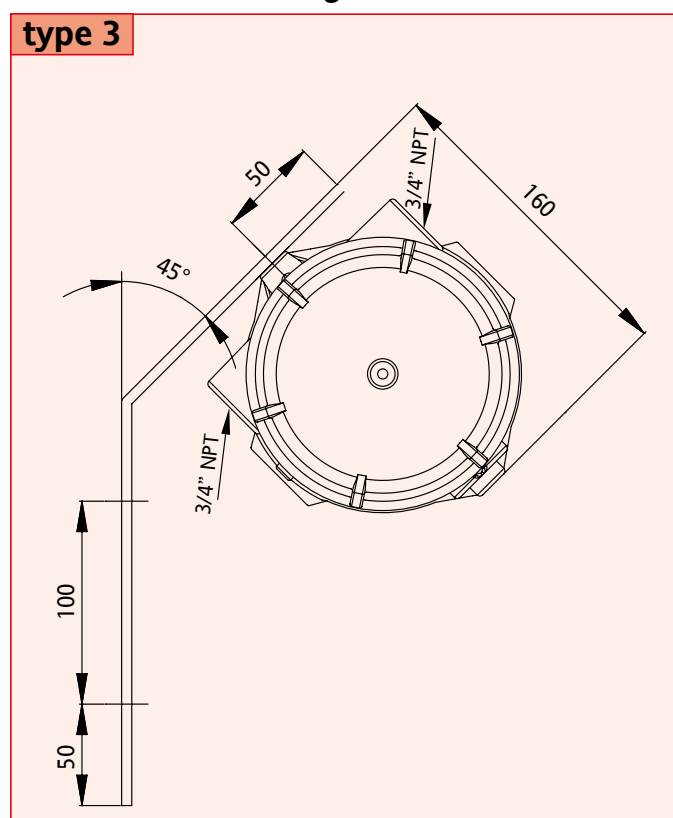
Ceiling mounting

type 2

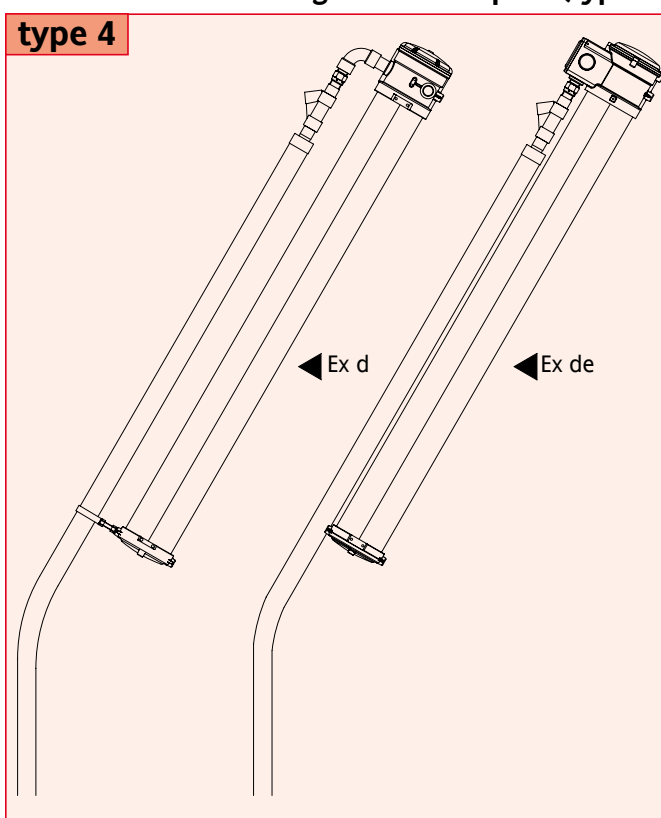


Wall/structure mounting

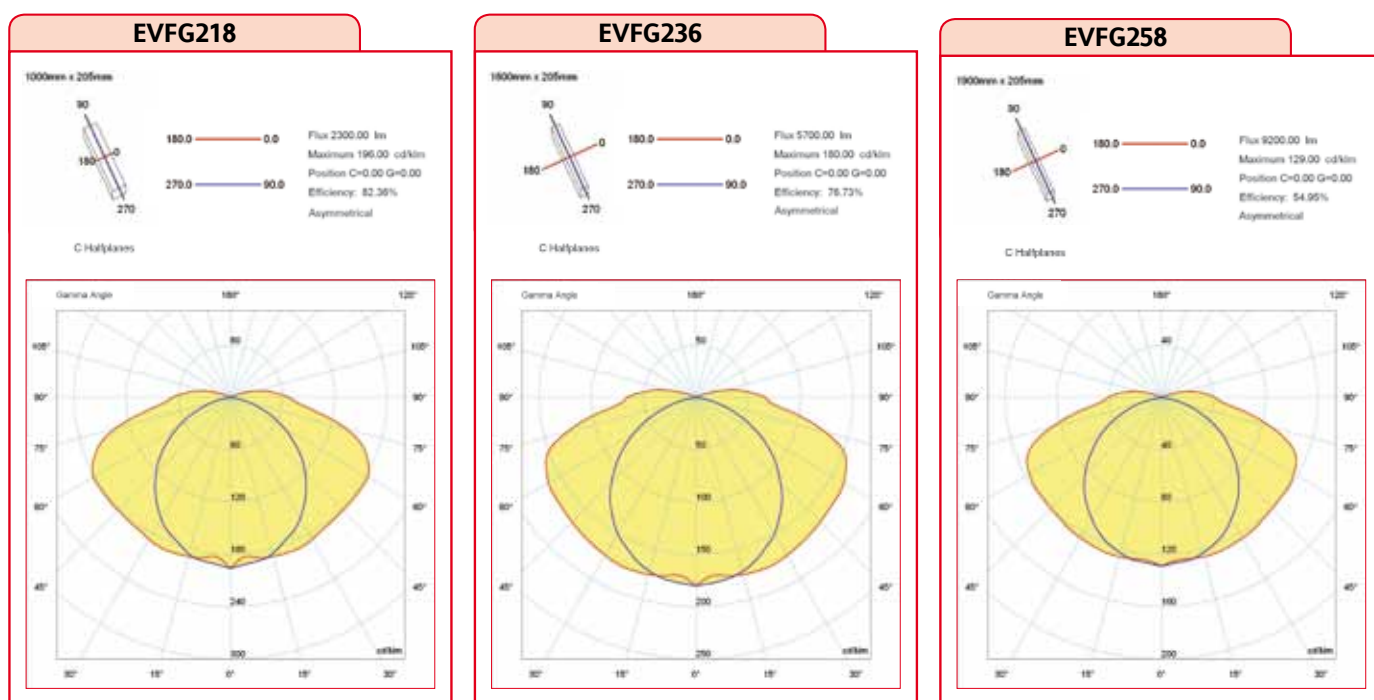
type 3

Pole mounting
Assemblig detail with pole (typical)

type 4

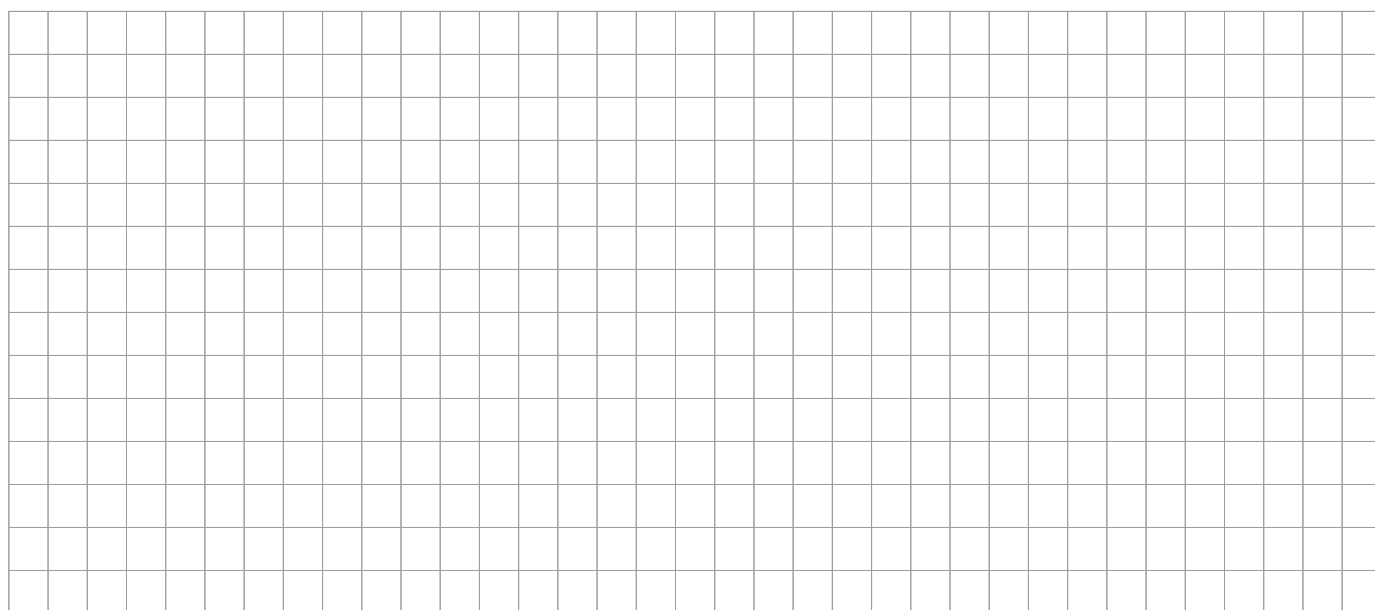


EVFG Polar diagrams – photometric data



EVFG On request accessories

CODE	DESCRIPTION	INSTALLATION	MATERIAL
20302.0103	CEILING MOUNTING KIT C/W HARDWARE	TYPE 2	ALUMINIUM LIGHT ALLOY
20301.0162	POLE MOUNTING KIT (SIZE 1 1/2" DIA.) C/W HARDWARE	TYPE 4	GALVANIZED STEEL
20301.0163	POLE MOUNTING KIT (SIZE 2" DIA.) C/W HARDWARE	TYPE 4	GALVANIZED STEEL
20302.0128	WALL/STRUCTURE MOUNTING KIT C/W HARDWARE	TYPE 3	GALVANIZED STEEL
20302.0121	PENDANT MOUNTING KIT C/W HARDWARE	TYPE 1	GALVANIZED STEEL



REMARK:

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.