

FLUORESCENT LIGHTING

EVF-P.. Series - Zones 1, 2, 21 & 22 - End-cups in Copper free aluminium



EVF-P lighting fixtures are manufactured with an high resistance cylindrical polycarbonate lamp housing and with end cups made of corrosion resistant copper free aluminium. Polycarbonate lamp housing is a three layers-extrusion UV resistant able to grant the best protection against sun rays and related yellowing effect.

Circular shape grants the best possible "CX" factor, therefore it is less affected by wind-dusts, no flat surfaces to avoid pollution and dirty bunching.

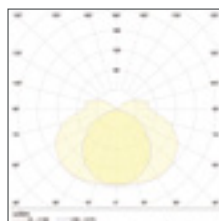
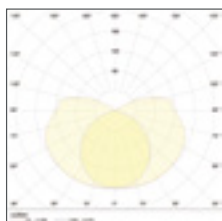
Components and design make EVF-P lighting fixtures suitable for high corrosion environments.

To increase further surface protection, upon request it is possible to apply an OFF-SHORE painting cycle suitable for marine environments.

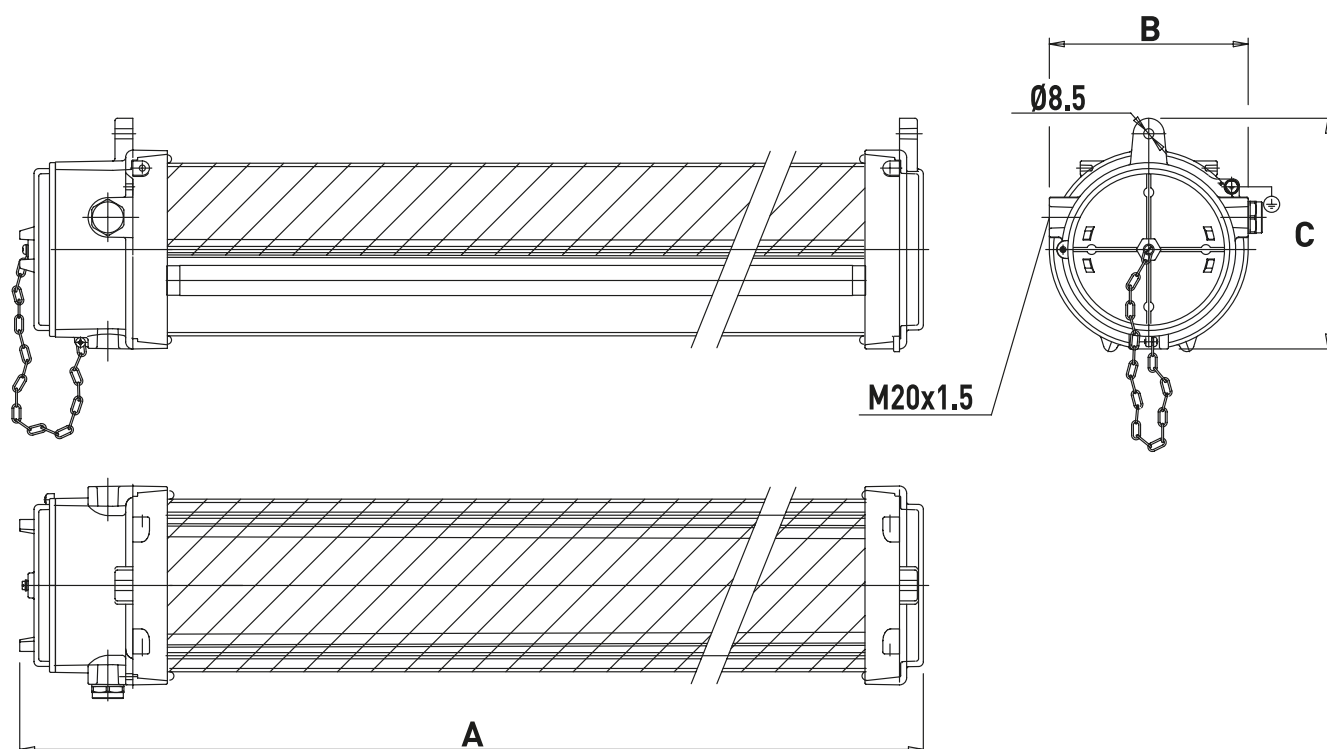
All lighting fixtures are supplied ready for LOOP IN-LOOP OUT facility with cable up to 4 sqmm.

TECHNICAL FEATURES

Material	End cups in aluminium with low content of copper/Light housing in polycarbonate
IP/IK rating	IP66/IK10 according to EN 62262:2002
Ambient temperature range	-20°C to +55°C
Approvals	Certified 02ATEX0039X (standard)/TR CU (marking upon request, ordering code to be required) IECEX INE 15.0032X
Marking	II 2 GD Ex e mb IIC T4 Gb (Normal service)/Ex d e mb IIC T4 Gb (Emergency service) EX de IIC T4 Gb (available upon request) Ex tb IIIC T85°C Db IP66
Gaskets	O-ring made of Nitrile Rubber (NBR)
Surface treatment	End cups painted by green colour polyurethane painting cycle RAL6003 (other colour available upon request)
Entries	N° 2 entries M20x1,5. One plugged-off by Ex d brass nickel chrome plated plug and relevant gasket.
Hardware and screws	AISI304 Stainless steel external hardware and screws
Lamps	EVF-P series lighting fixtures are suitable for two pins fluorescent lamps G13 socket Philips TL-D or equivalent (lamps excluded)
Ballast	High frequency electronic ballast conforming with EN 60079 – 18 and IEC 60079 – 18
Rated operation voltage (UE)	2x58W SOLO 220-240V - 110-240V or 220-277V (normal service) - 220-240V (emergency service)
Frequency	0/50-60 Hz (normal service) - 50-60 Hz (emergency service)
Power factor	> 0,95
Accessories available upon request	AISI304 Pole mounting kit/AISI304 Ceiling/Wall mounting kit/AISI304 Suspension mounting kit/3° bottom entry M20x1,5/AISI304 protection guard/Mounting kit in stainless steel AISI316
Operating principles	Available EVF-P lighting fixtures for emergency service of one tube: - 90 minutes; guarantees 60' duration with constant flux (emergency lumen factor 17%) and 30' with decreasing flux - 120 minutes (emergency lumen factor 10%) - 180 minutes; constant flux (emergency lumen factor 9%)
Photometric light curves	1 lamp 2 lamps



Dimensions EVF-P



(EVF-P) Lighting fixtures for normal service

TYPE	CODE	POWER [W]	DIMENSIONS [mm]			WEIGHT [Kg]
			A	B	C	
EVF-P 118-Ex emb	A030111180011	1X18	764	176	194	6.50
EVF-P 218-Ex emb	A030112180011	2X18	764	176	194	6.50
EVF-P 136-Ex emb	A030111360011	1X36	1374	176	194	8.50
EVF-P 236-Ex emb	A030112360011	2X36	1374	176	194	8.50
EVF-P 158-Ex emb	A030111580011	1X58	1680	176	194	9.50
EVF-P 258-Ex emb	A030112580011	2X58	1680	176	194	10.50

(EVF-P) Lighting fixtures for emergency service

TYPE	CODE	POWER [W]	EMERGENCY DURATION	DIMENSIONS [mm]			WEIGHT [Kg]
				A	B	C	
EVF-P 118 LE-P-90 Ex demb	A030211180111	1X18	90'	764	176	194	9.00
EVF-P 118 LE-P-120 EX demb	A030211180211	1X18	120'	764	176	194	10.00
EVF-P 218 LE-P-90 Ex demb	A030212180111	2X18	90'	764	176	194	9.00
EVF-P 218 LE-P-120 Ex demb	A030212180211	2X18	120'	764	176	194	10.00
EVF-P 136 LE-P-90 Ex demb	A030211360111	1X36	90'	1374	176	194	11.00
EVF-P 136 LE-P-120 Ex demb	A030211360211	1X36	120'	1374	176	194	12.00
EVF-P 136 LE-P-180 Ex demb	A030211360311	1X36	180'	1374	176	194	12.50
EVF-P 236 LE-P-90 Ex demb	A030212360111	2X36	90'	1374	176	194	11.00
EVF-P 236 LE-P-120 Ex demb	A030212360211	2X36	120'	1374	176	194	12.00
EVF-P 236 LE-P-180 Ex demb	A030212360311	2X36	180'	1374	176	194	12.50
EVF-P 158 LE-P-90 Ex demb	A030211580111	1X58	90'	1680	176	194	12.00
EVF-P 158 LE-P-120 Ex demb	A030211580211	1X58	120'	1680	176	194	13.00
EVF-P 158 LE-P-180 Ex demb	A030211580311	1X58	180'	1680	176	194	13.50
EVF-P 258 LE-P-90 Ex demb	A030212580111	2X58	90'	1680	176	194	12.00
EVF-P 258 LE-P-120 Ex demb	A030212580211	2X58	120'	1680	176	194	13.00
EVF-P 258 LE-P-180 Ex demb	A030212580311	2X58	180'	1680	176	194	13.50