

EMRF Ex Recessed Fluorescent Light

Product Introduction

EMRF recessed fluorescent luminaire is certified for Zone1/Zone 2 hazardous application areas. It is for recessed installation in solid ceilings where IP66 is required.

Product Features

- Ex- certified electronic ballast with “EOL” function. Optional 2 or 3 hours emergency battery for single lamp, with LED working indication. Optional through wiring. Optional isolate switch, increase the safety level.
- Ex-approved lamp holder.
- To be installed in ceiling cut out with adjustable suspension brackets.



Technical Data

Marking acc.to ATEX	EMRF/**/**/** :  II2 G Ex e q IIC T4 Gb, II2 D Ex tb IIIC T80°C Db EMRF/**/**/**/EM*/ :  II2 G Ex e ib q IIC T4 Gb, II2 D Ex tb IIIC T80°C Db EMRF/**/S/**/** :  II2 G Ex d e q IIC T4 Gb, II2 D Ex tb IIIC T80°C Db EMRF/**/S/**/**/EM*/ :  II2 G Ex d e ib q IIC T4 Gb, II2 D Ex tb IIIC T80°C Db
Marking acc.to IECEx	EMRF/**/**/** : Ex e q IIC T4 Gb, Ex tb IIIC T80°C Db EMRF/**/**/**/EM*/ : Ex e ib q IIC T4 Gb, Ex tb IIIC T80°C Db EMRF/**/S/**/** : Ex d e q IIC T4 Gb, Ex tb IIIC T80°C Db EMRF/**/S/**/**/EM*/ : Ex d e ib q IIC T4 Gb, Ex tb IIIC T80°C Db
Marking acc.to GB	EMRF/**/**/** : Ex e q IIC T4 Gb, DIP A21 T _A 80°C IP66 EMRF/**/**/**/EM*/ : Ex e ib q IIC T4 Gb, DIP A21 T _A 80°C IP66 EMRF/**/S/**/** : Ex d e q IIC T4 Gb, DIP A21 T _A 80°C IP66 EMRF/**/S/**/**/EM*/ : Ex d e ib q IIC T4 Gb, DIP A21 T _A 80°C IP66
Rated voltage	EMRF: 220V-240V AC, 50/60Hz; 220V DC EMRF(EM): 220V-240V AC, 50/60Hz
Ambient temperature	-25°C to +50°C
Power factor	≥0.96
Ingress protection	IP66
Connecting terminals	L1,L2,L3,L,N,PE;Max.2x6mm ² single wire per terminal
Cable entries	Two M20(M25) entry holes on one end, optional two M20(M25) entry holes on each end.
Lamp/Lamp cap	18W/36W (T8), G13
Housing	Galvanized Steel, optional Stainless Steel 316L housing with RAL9016 white powder coated, highly corrosion and vibration resistant.
Protective cover	Polycarbonate, 4J impact-resistant
Battery	Ni-Cd, 4.5Ah 6V / Ni-Cd, 7.5Ah 6V
Battery operation temp	Charge: 0°C to +60°C / Discharge: -20°C to +70°C
Emergency time	1-lamp for an emergency light duration of 2hrs/3hrs

Ordering Logic

EMRF	/G	/S	/CP	/00	/236	/EM2	/1-220
	Blank-Continuous ceiling	Blank-w/o isolate switch	CP-Clear PC TP-Translucent white PC	00-Galvanized Steel	218-2x18W 236-2x36W	EM2 - 2 hours emergency (only for 2x36W)	1-225 -Single-ended 2xM25 2-225 -Through wiring 2xM25
	G-Gap ceiling	S-with isolate switch		16-SS316L		EM3 - 3 hours emergency	1-220 -Single-ended 2xM20 2-220 -Through wiring 2xM20

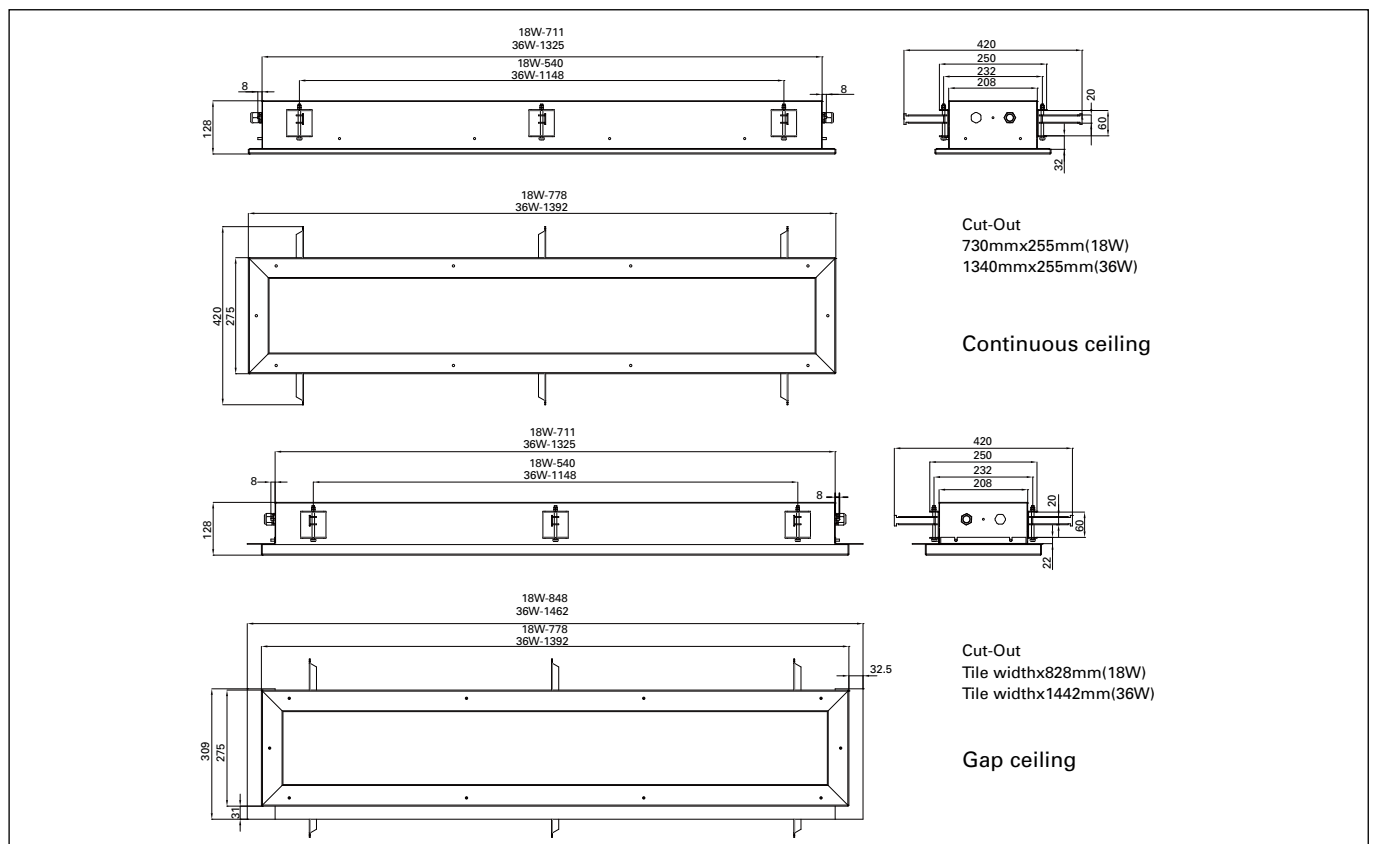
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Commonly Ordered Luminaires

Wattage	Volt/Fre	Description	Material code	L mm	W mm	D mm	Weight kg
2×18W	220V~240V 50/60Hz	EMRF/CP/00/218/1-220	CCL1204529*	778	275	128	7.5
		EMRF/TP/00/218/1-220	CCL1204535*				
2×18W Emergency	220V~240V 50/60Hz	EMRF/CP/00/218/EM3/1-220	CCL1204533*				11
		EMRF/TP/00/218/EM3/1-220	CCL1204539*				
2×36W	220V~240V 50/60Hz	EMRF/CP/00/236/1-220	CCL1204625*	1392	275	128	12.5
		EMRF/TP/00/236/1-220	CCL1204631*				
2×36W Emergency	220V~240V 50/60Hz	EMRF/CP/00/236/EM2/1-220	CCL1204627*				16
		EMRF/TP/00/236/EM2/1-220	CCL1204633*				
	220V~240V 50/60Hz	EMRF/CP/00/236/EM3/1-220	CCL1204629*				
		EMRF/TP/00/236/EM3/1-220	CCL1204635*				

*Default= IECEx certified; suffix A= ATEX certified; suffix B=GB certified
Please consult Eaton's Crouse-Hinds for more configurations!

Dimensions



Polar Curves

