



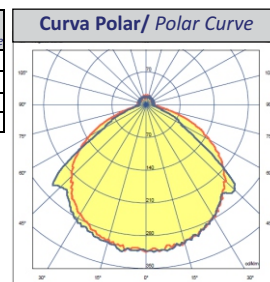
Potência (Power)	Tensão (Voltage)	Fluxo Luminoso (Luminous flux)
31W	85-320Vca / 108-320Vcc ou 12-24Vcc	4380.70 lm
60W		7617.53 lm
62W		7812.00 lm
120W		1512.00 lm

*Fluxo luminoso referente à CW./Luminous flux referring to CW.

*Fluxo luminoso NW e WW solicitar./Luminous flux NW and WW request.

Marcação/Marking	
Gases	Ex db eb mb IIC T6 Gb
Pó/Dust	Ex tb IIIC T85°C Db
Classe de Temperatura Temperature Class	T6/T85°C
Grau de Proteção Degree of Protection	IP66 (AC)
	IP66W (Al,AL)
Zonas/Zones	1, 2, 21 e 22
Temperatura Operação Operating temperature	-20°C < Ta <+ 50°C

Temperatura de cor CCT-Correlated Color Temperature	
CW	6500K
NW	4000K
NW	5000K
WW	3300K



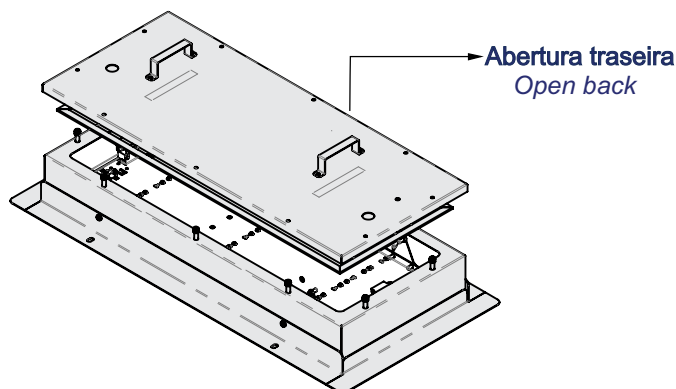
Descrição do Produto/Product description

Luminária SALA LIMPA metálica de segurança aumentada LED **MACCMEVAP**, versões para embutir ou sobrepor com ou sem sistema de emergência.

Corpo: Aço inox, Aço carbono ou Alumínio Copper Free;
Cor: Branca, outras sob consulta;;
Difusor: Vidro temperado;
Modo de Abertura: Abertura traseira;
IRC: >70;
Aprovações: LM 80, LM 79;
Microchave: Equipamento de segurança que interrompe a alimentação;
Driver: Eletrônico encapsulado (DPS incorporado);
Proteção: Contra curto circuito, sobretemperatura, sobretensão, subtensão, sobrecorrente;
Fator de Potência: >0,95;
Frequência: 50/60Hz;
Bateria: Autonomia: mínimo 1:30 h. Norma NBR 10.898:2013;
Entrada: Por prensa cabo (Ver Tabela);
Terminais: Para cabos de até 6mm²;
Aterramento Externo: Disponível;
Impacto: IK08;
Vida Útil: > 60000 horas;
Garantia: 5 anos;
Normas Técnicas: ABNT NBR IEC 60079-0 / 1 / 7 / 18 / 31, ABNT NBR IEC 60529;
Nota: Outras tensões sob consulta.
Certificado: Ex TÜV 12.1036;

Luminaire CLEAN ROOM metallic increased safety LED **MACCMEVAP**, versions to embed or overlap with or without emergency system.

Body: Stainless Steel, Carbon Steel or Aluminum Copper Free;
Color: White, others on request;
Diffuser: Tempered glass;
Opening Mode: Rear opening;
IRC: >70;
Approvals: LM 80, LM 79;
Microkey: Safety equipment that interrupts the feeding;
Driver: Electronic encapsulated (DPS embedded);
Protection: Against short circuit, overtemperature, overvoltage, undervoltage, overcurrent;
Power Factor: >0,95;
Frequency: 50/60Hz;
Battery: Autonomia: mínimo 1:30 h. Norma NBR 10.898:2013;
Input: By cable press (see table);
Terminals: For cables up to 6mm²;
External grounding: Available;
Impact: Ik08;
Useful Life: > 60000 hours;
Warranty: 5 years;
Technical Standards: ABNT NBR IEC 60079-0 / 1 / 7 / 18 / 31, ABNT NBR IEC 60529;
Note: Other stresses on request.
Certificate: Ex TÜV 12.1036;



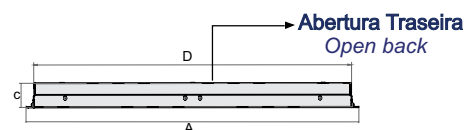
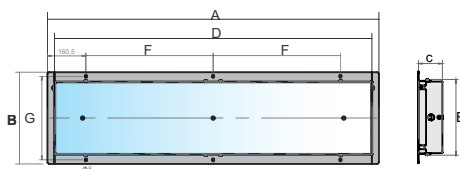
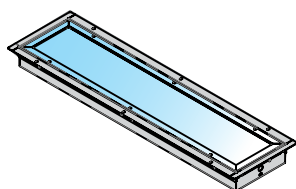


Potência (Power)	Peso/Weight(Kg)			
	S/ Emergência No Emergency		C/ Emergência With Emergency	
	Al / AC	AL	Al / AC	AL
31W/ 62W	10,5	8,79	12,10	10,39
60W/ 120W	19,9	16,35	21,9	18,35

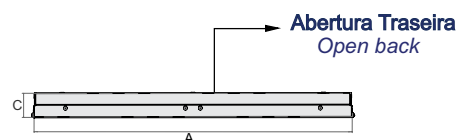
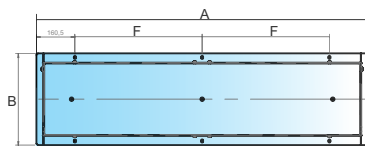
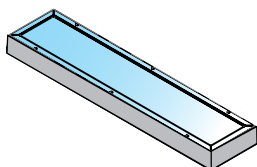
Potência (Power)	Dimensões/Dimensions (mm)									
	Embutir/ Embed (EB)							Sobrepor / Overlap (SB)		
	A	B	C	D	E	F	G	A	B	C
31W/ 62W	774	382	101	712	298	440	349	712	298	101
60W/ 120W	1381	382	101	1324	299	530	348	1324	315,2	101

*Vão para instalação/ /Space for installation: 31W Embutir (712mm x 298mm x 101mm)/ 60W Embutir (1341mm x 315,2mm x 101mm)

(EB)- Luminária de Embutir LED panel



Luminária de Sobrepor (SB) Overlapping luminaires



PREENSA CABOS E/OU TAMPÕES (Cable grand and/or stopping plug)			ALUMÍNIO Aluminium	LATÃO NIQUELADO Nickelized brass	AÇO INOX Stainless steel	POLIAMIDA Polyamide
MODELO Model	ROSCA Thread	RANGE Range				
A2F 148	M16	3,5-11,5	01A	01L	01I	N/A
	M20P	3,5-11,5	02A	02L	02I	
	M20G	8,0-16,0	03A	03L	03I	
	M25P	8,0-16,0	04A	04L	04I	
	M25	13,0-20,0	05A	05L	05I	
E1F 147	M16	3,5-8,5/8,4-13,2	06A	06L	06I	
	M20P	8,0-11,5/12,9-15,8	07A	07L	07I	
	M20G	11,0-13,5/15,5-20,8	08A	08L	08I	
	M25	13,0-19,5/20,3-27,2	09A	09L	09I	
E1F 160	M20P	6,0-12,0/9,5-16,0	10A	10L	10I	
	M20G	8,0-14,0/12,5-21,0	11A	11L	11I	
	M25	10,5-19,5/16,5-25,0	12A	12L	12I	
	M25P	8,0-14,0/12,5-21,0	13A	13L	13I	
A2 159	M16	7,5-10,0	N/A			14P
	M20P	6,0-12,0				15P
	M20G	10,0-14,0				16P
	M25	6,0-14,0				17P
	M25G	14,0-18,0				18P
TAMPÃO (Cap)	M16	N/A	19A	19L	19I	19P
	M20		20A	20L	20I	20P
	M25		21A	21L	21I	21P

* Padrão de fornecimento Poliamida M16 (7,5-10mm) MAC.EXE.159

* Supply standard Polyamide M16 (7.5-10mm) MAC.EXE.159

Abertura Frontal
(Front Opening)Código raíz
Maccomevap
(Root code)Potência
(Power)31- 31W
60- 60W
62- 62W
120- 120W

Material/ Material

A - Alumínio/Aluminum
I - Aço Inox/ Stainless steel
C - Carbono/ Carbon

ML014 LD 31 C 9S I EB

+

17P 17P 21P 21P
A B C D

TCC /CCT

C - CW=6500k
M - NW=4000k
N - NW=5000k
W - WW=3300k

Tensão/Voltage

9S- 85~320Vca/180~320Vcc (S/Emerg.)
6S- 12~24Vcc (S. Emerg.)
ES - (Ligação independente) 85~320 Vca/108~320Vcc
3N - 100~240 Vca/ Vcc(Emerg. ON/ON)
3F - 100~240 Vca/ Vcc(Emerg. OF/ON)

Fixação/Fixing

De acordo com desenhos acima
According to drawings aboveEx: EB- Embutir/Embed
SB- Sobrepor/Overlapping

1 - TCC - Temperatura de cor correlata.

2 - Sistema de emergência ON/ON - Luminária permanece "LIGADA" e continua ligada na falta de energia.

3 - Ligação independente (Somente sem emergência).

*Emergência OFF/ON não acompanha drive.

* Outras conexões sob consulta

1 - CCT- Related color temperature.

2 - Emergency system ON/ON - Luminaire remains "ON" and stays on in the absence of power.

3 - Independent connection (only without emergency).

*Emergency OFF/ON does not accompany drive.

* Other connections on request.