



Potência (Power)	Tensão (Voltage)	Fluxo Luminoso (Luminous flux)
31W	85-320Vca/108-250Vcc	4190,79 Lm
60W	100~240Vca/Vcc	8649,62 Lm

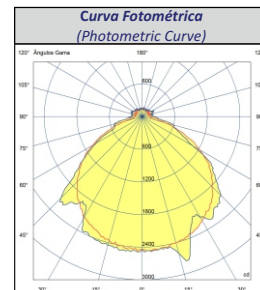
*Fluxo luminoso referente à CW./ Luminous flux relating to CW.

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

Peso/Weight (Kg)				
Potência (Power)	S/ Emergência (No Emergency)		C/ Emergência (With Emergency)	
	Al / AC	AL	Al / AC	AL
31W	4,6	4	7,1	6,56
60W	8,9	8	12,51	10,5

Marcação/Marking	
Gases	Ex db eb mb IIC T6 Gb
Pó(Dusty)	Ex tb IIIC T80°C Db
Classe de Temperatura (Temperature Class)	T6/T80°C
Grau de Proteção (Protection Degree)	IP66/IP67 (AC)
	IP66W/IP67W (Al,AL)
Zonas(Zones)	1, 2, 21 e 22
Temperatura de 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 metálica de segurança aumentada LED MACCOMEVP, com ou sem sistema de emergência.

Corpo: Aço carbono, aço inox ou alumínio copper free;

Cor: Branca. Outras sob consulta;

Difusor: Policarbonato resistente a 7 joules de impacto, com proteção a raios UV e sistema antiqueda);

THD: ≤10%;

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: 3 horas atendendo a ABNT NBR 10.898:2013, que determina min.1:30 horas;

Entrada: Por prensa cabo (Ver Tabela);

Terminais: Para cabos de até 6mm². (Indicar na formação de código);

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 12.2169.

LED MACCOMEVP increased safety metal luminaire, with or without emergency system.

Body: Carbon steel, stainless steel or aluminum copper free;

Color: White. Others under consultation;

Diffuser: 7-joule impact resistant polycarbonate, with UV protection and anti-fall system);

THD: 10%;

IRC: >70;

Approvals: LM 80, LM 79;

Microkey: Safety equipment that interrupts the supply;

Driver: Electronic encapsulated (embedded DPS);

Protection: Against short circuit, over temperature, over voltage, under voltage, over current;

Power factor: > 0.95;

Frequency: 50/60Hz;

Battery: Autonomy: 3 hours meeting ABNT NBR 10.898:2013, which determines min.1:30 hours;

Input: By cable press (see table);

Terminals: For cables up to 6mm². (Indicate in code formation);

External Grounding: Available;

Impact: Ik08;

Lifetime: > 60000 hours;

Warranty: 5 years;

Technical standards: ABNT NBR IEC 60079-0/1/7/18/31, ABNT NBR IEC 60529;

Note: Other tensions under consultation.

Certificate: Ex TÜV 12.2169.



Suporte Simples -(SP)
(Simple Support)



Suporte Curto -(SC)
(Short Support)

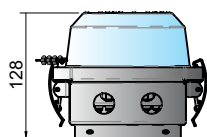
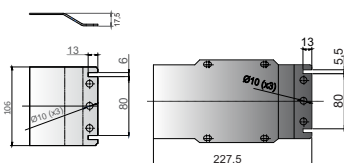
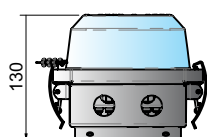
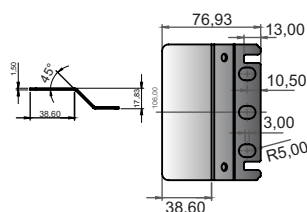
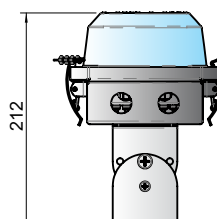
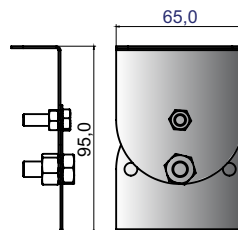
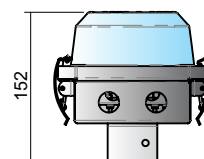
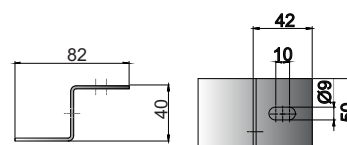


Suporte Teto Parede Angular -(TA)
(Bracket Ceiling Angular wall)



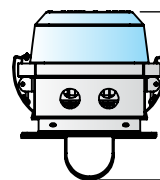
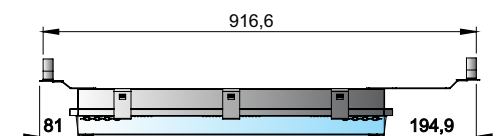
Suporte Z -(ZZ)
(Support Z)

ML010B-(Código raíz/Main Code)

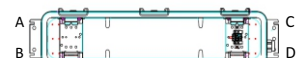
Suporte Simples- (SP)
(Simple Stand)**Suporte Curto- (SC)**
(Short Support)**Suporte Teto parede Angular- (TA)**
(Angular Wall Ceiling Support)**Suporte Z- (ZZ)**
(Support)

PRENSA CABOS E/OU TAMPÕES (Cable grab and/or stopping plug)			ALUMÍNIO (Aluminum)	LATÃO NIQUELADO (Nickel plated brass)	AÇO INOX (Stainless Steel)	POLIAMIDA (Polyamide)
MODELO (Model)	ROSCA (Thread)	RANGE (Range)				
A2F 148	M20P	3,5-11,5	02A	02L	02I	N/A
	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	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	M20P	6,0-12,0	N/A			15P
	M20	10,0-14,0				16P
	M25P	6,0-14,0				17P
	M25G	14,0-18,0				18P
TAMPÃO	M20	N/A	20A	20L	20I	20P
	M25		21A	21L	21I	21P

* Padrão de fornecimento Poliamida M20 (6-12mm) MAC.EXE.159
(Supply Standard Polyamide M20 (6-12mm) MAC.EXE.159)

Suporte Abraçadeira Tubular
(Tubular Clamp Holder)

3I - 3/4" Aço Inox
0I - 1" Aço Inox
1I - 1 1/4" Aço Inox
2I - 1 1/2" Aço Inox
5I - 2" Aço Inox
4I - 4" Aço Inox
3C - 3/4" Aço Carbono
0C - 1" Aço Carbono
1C - 1 1/4" Aço Carbono
2C - 1 1/2" Aço Carbono
5C - 2" Aço Carbono
4C - 4" Aço Carbono

Normal**Emergência**

Código raíz
(Main Code)
Maccomevap

Potência
(Power)
31- 31W
60- 60W

Material(Material)
A - Alumínio(Zluminium)
I - Aço Inox (Stainless Steel)
C - Aço Carbono(Carbon Steel)

ML010 B 31 C 9S I SP

Entradas (Inputs)

15P + 15P + 20P + 20P
A B C D

Terminais

Nota: As entradas não escolhidas devem ser preenchidas com "000".
Note: Unselected entries must be filled in with "000".

Em branco - Para cabos até 2,5mm² (Padrão)
6 - Para cabos até 6,mm².
Blank - For cables up to 2.5mm² (Standard)
6 - For cables up to 6,mm 2.

Funcionamento/Operation
Sistemas de emergência

LED	ON/ON¹	OFF/ON²
2x15,5W	1x7W	2x3,5W
2x30W	1x10W	1x10W

Tensão(Voltage)

9S - 85~320 Vca/108~250 Vcc
3N - 100~240 Vca/Vcc (Emerg. ON-ON)
3F - 100~240 Vca/Vcc (Emerg. OFF-ON)
ES - 2(drivers) 85~320 Vca/108~250Vca⁴

Suporte(Support)

De acordo com desenhos acima/ According to drawings above
Ex: SP- Suporte simples/ Simple Support