



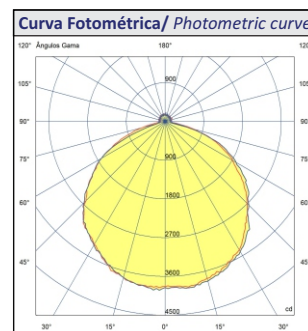
Potência (Power)	Tensão (Voltage)	Fluxo Luminoso (Luminous Flux)
18W	12-24 Vcc	2787.70 Lm
27W		4713.40 Lm
36W		7014.30 Lm
45W	85-320Vca/108-250Vcc	7882.04 Lm
54W	100-240 Vca/Vcc	9217.84 Lm
63W		10909.44 Lm
72W		12054.82 Lm

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

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

Temperatura de cor Color temperature	
CW	6500K
NW	4000K
NW	5000K
WW	3300K

Marcação/Marking	
Gases	Ex db eb mb op is IIC T* Gb
Pó/Dusty	Ex tb IIIC T* Db
Classe de Temperatura (Temperature Class)	T6/T80°C - T4/T135°C
Grau de Proteção (Protection degree)	IP66W
Zonas (Zones)	1, 2, 21 e 22
Temperatura de Operação (Operating Temperature)	-20°C ≤ Ta ≤ +50°C
Certificado(Certificate)	TÜV 16.1998X



Descrição do Produto/ Product Description

Luminária metálica linear modular de segurança aumentada com módulos circulares MACCOMEVA, com ou sem sistema de emergência, com tampa de inspeção exclusiva e conjunto elétrico removível.

Corpo: Alumínio injetado copper free ou termoplástico;

Difusor: Policarbonato resistente a 4 joules de impacto, transparente ou translúcido (leitoso) ou translúcido (jateado) com proteção a raios UV;

THD: ≤10%;

IRC: >70;

Microchave: Equipamento de segurança que interrompe a alimentação;

Driver: Eletrônico encapsulado (DPS incorporado);

Fator de Potência: > 0,92;

Bateria: Autonomia; mínimo 1:30 h; Norma NBR 10.898:2013;

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 / 5 / 7 / 28 / 31, ABNT NBR IEC 60529;

Nota: Outras potências e/ou tensões sob consulta. Opção de sistema antinqueda.

Modular linear metal luminaire with increased safety with circular MACCOMEVA modules, with or without emergency system, with exclusive inspection cover and removable electrical assembly.

Body: Aluminum injected copper free or thermoplastic;

Diffuser: 4-joule impact resistant polycarbonate, transparent or translucent (milky) or translucent (blasted) with UV protection;

THD: 10%;

IRC: >70;

Microkey: Safety equipment that interrupts the supply;

Driver: Electronic encapsulated (embedded DPS);

Power factor: > 0.92;

Battery: Autonomy: minimum 1:30 h. Standard NBR 10.898:2013;

Input: By cable press (see table);

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

External Grounding: Available;

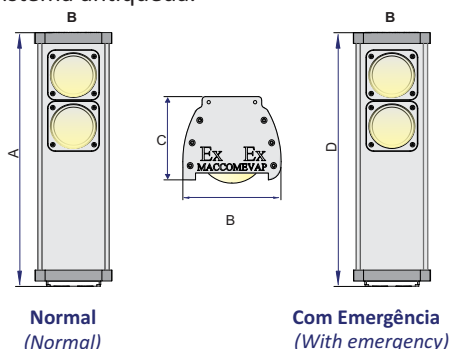
Impact: Ik08;

Lifetime: > 60000 hours;

Warranty: 5 years;

Technical standards: ABNT NBR IEC 60079-0 / 1 / 5 / 7 / 28 / 31, ABNT NBR IEC 60529;

Note: Other powers and/or tensions under consultation. Anti-fall system option.



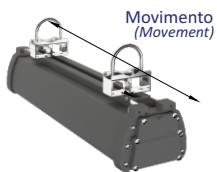
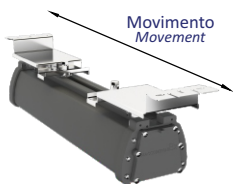
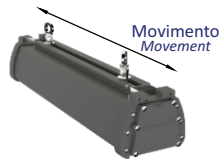
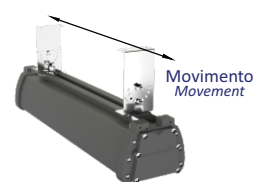
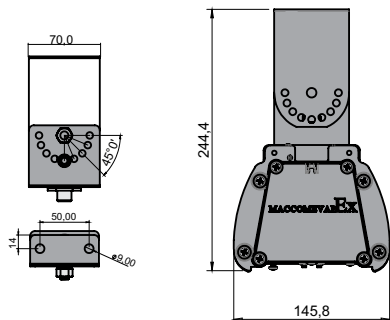
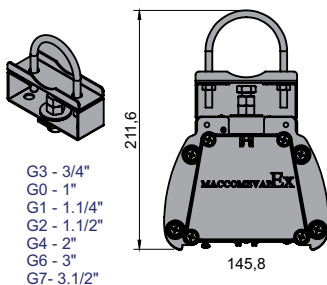
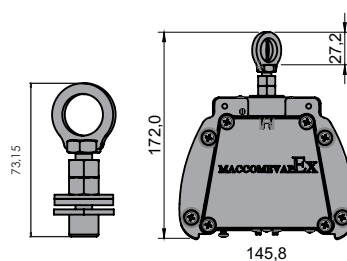
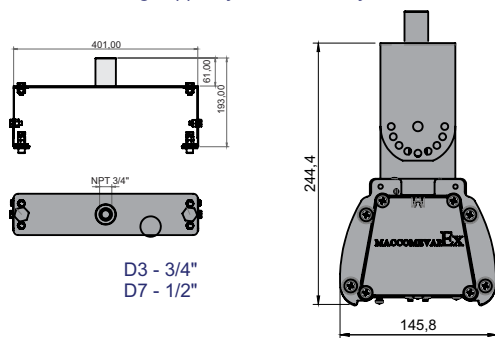
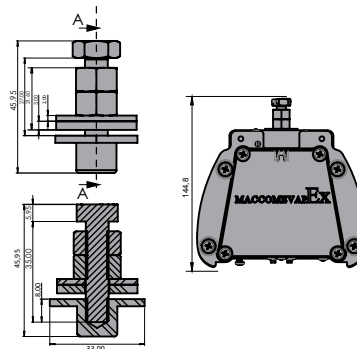
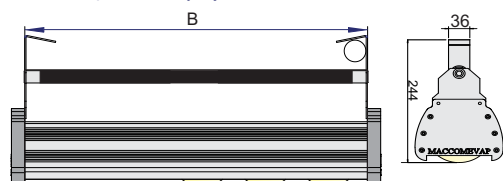
Normal
(Normal)

Com Emergência
(With emergency)

Potência Power	Dimensões/ Dimensions (mm)				Peso/ Weight	
	A	B	C	D	S/ emerg	C/ emerg
18/27W	495	148	122	800	4,14kg	6,41kg
36/45W	596	148	122	901	5,18kg	7,45kg
54/63W	697	148	122	1002	6,23kg	8,5kg
72W	798	148	122	1103	7,58kg	9,85kg

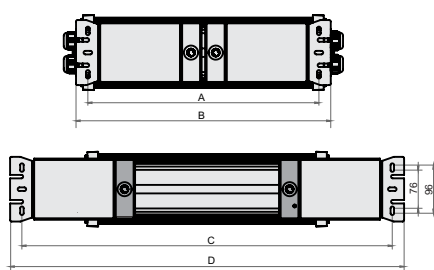
Nota: A dimensão A ou D aumenta em 120mm quando a opção for com borne de 6mm²

Note: The dimension A or D increases by 120mm when the option is with 6mm² bracket

Suporte Grampo - (G□)
Grampo Support**Suporte Ajustável - (SX e SZ)**
Adjustable stand**Suporte Olhal Regulável- (OL)**
Olhal support Adjustable**Suporte Teto Angular- (TA)**
Roof Support Angular**Suporte Teto Parede Angular- (TA)**
Angular Wall Ceiling Support**Suporte Grampo- (G□)**
Grampo support**Suporte Olhal Ajustável- (OL)**
Adjustable Olhal Support**Suporte Pendente para
Fixação de Eletroduto - (D□)**
Pending Support for Electroduct fixation**Suporte Regulável- (SR)**
Adjustable Support**Portátil/Portable (PT)**

Potência /Power (W)		18	27	36	45	54	63	72
(B)	Dimensão sem emergência (mm) Dimension no emergency	433	433	535	535	637	739	739
	Dimensão emergência (mm) Dimension emergency	601	601	703	703	805	907	907

Nota: A dimensão B aumenta em 120mm quando a opção for com borne de 6mm²
 Nota: A dimensão B aumenta em 120mm quando a opção for com borne de 6mm²

Suporte Ajustável (SX ou SZ)
Adjustable stand

Suporte Ajustável Sem Emergência Adjustable Support Without Emergency								
Potência (Power)	SX - Pequeno/ Small				SZ - Grande/ Great			
	Mín (mm)		Máx (mm)		Mín (mm)		Máx (mm)	
	A	B	C	D	A	B	C	D
18W 27W	458	505	738	785	662	709	942	989
36W 45W	560	607	840	887	764	811	1044	1091
54W	662	709	942	989	866	913	1146	1193
63W 72W	764	811	1044	1091	968	1015	1248	1295

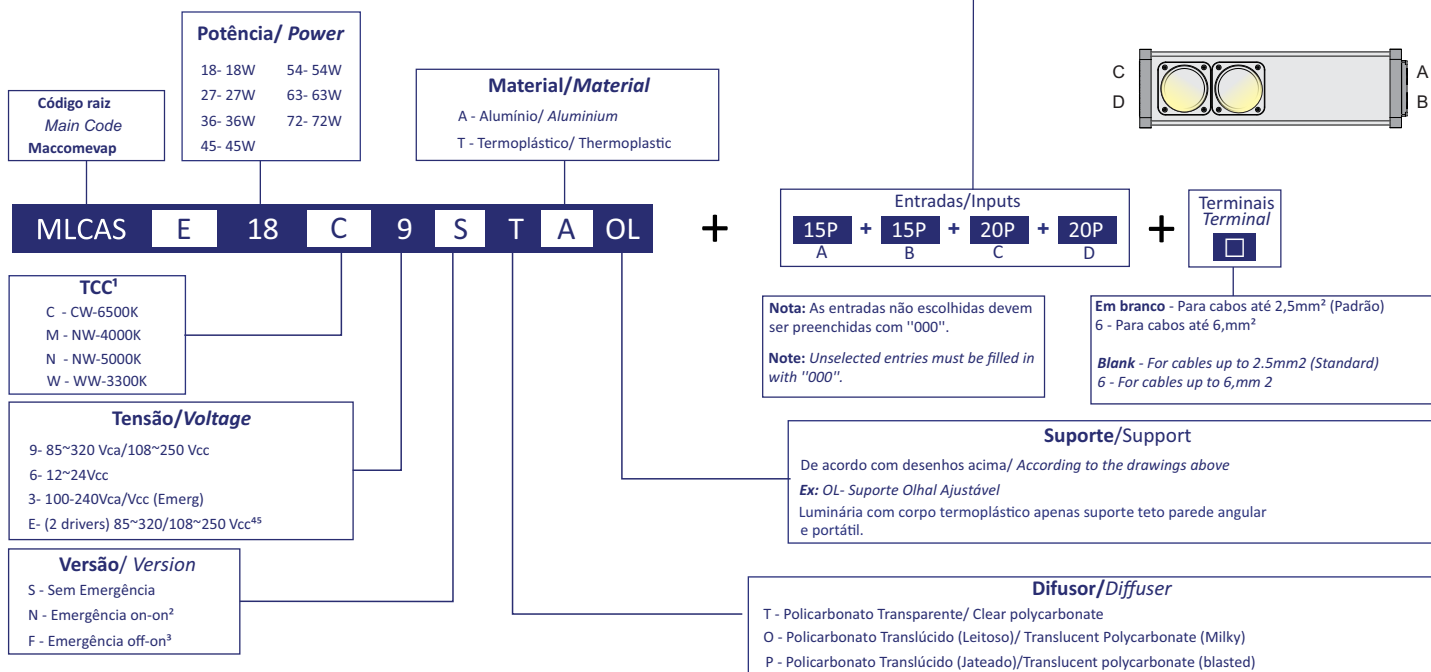
Nota: A dimensão A, B, C ou D aumenta em 120mm quando a opção for com borne de 6mm².
 Note: The dimension A, B, C or D increases by 120mm when the option is with 6mm² bracket.

Suporte Ajustável Emergência								
Adjustable Support Without Emergency								
Potência (Power)	SX - Pequeno/ Small				SZ - Grande/ Great			
	Mín (mm)		Máx (mm)		Mín (mm)		Máx (mm)	
	A	B	C	D	A	B	C	D
18W 27W	458	505	898	945	662	709	1102	1149
36W 45W	560	607	100	1047	764	811	1204	1251
54W	662	709	1102	1149	866	913	1306	1353
63W 72W	764	811	1204	1251	968	1015	1408	1455

Sobressalentes/Spare	
Código/ Code	Item/ Items
MBATCJ0006	CJ Bateria
MLCASCJ00039	CJ Módulo Led - Lente Transl. CW
MLCASCJ00029	CJ Módulo Led - Lente Transp. CW
Ver Catálogo de driver	Driver
MLCASCJ00086	Inversor
MMC777MODCNA	Microchave dupla
MMC777MOMCNA	Microchave mono
MLCAS0033	Vedação Lente MOD
MLCAS0125	Vedação Tampa Manutenção
MLCASCJ00042	Vedação Tampa de Inspeção

PRENSA CABOS E/OU TAMPÕES (Cable grand and/or stopping plug)			ALUMÍNIO (Aluminium)	LATÃO NIQUELADO (Nickel 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	
	M20	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
	M20G	10,0-14,0				16P
	M25P	6,0-14,0				17P
	M25	14,0-18,0				18P
TAMPÃO (Cap)	M20	N/A	20A	20L	20I	20P
	M25		21A	21L	21I	21P
A2F 148	1/2"	3,5 - 11,5	22A	22L	22I	N/A
	1/2" G	8,0 - 16,0	23A	23L	23I	
	3/4" ES	3,5 - 11,5	24A	24L	24I	
	3/4"	8,0 - 16,0	25A	25L	25I	
E1F 147 ARMADO	1/2"	3,5 - 8,5 / 8,4 - 13,2	26A	26L	26I	
	3/4"ES	3,5 - 8,5 / 8,4 - 13,2	27A	27L	27I	
	3/4"P	8,0 - 11,5 / 12,9 - 15,8	28A	28L	28I	
	3/4"G	11,0-13,5/15,5-20,8	29A	29L	29I	
E1F 160 ARMADO	3/4"	10,5 - 19,5 / 16,5 - 25,0	32A	32L	32I	
	3/4"P	8,0 - 14,0 / 12,5 - 21,0	33A	33L	33I	
A2 159	3/4"G	6,0 - 14,0	N/A			36P
	3/4"	14,0 - 18,0				37P
TAMPÃO (Cap)	1/2"	N/A	38A	38L	38I	38P
	3/4"		39A	39L	39I	39P

* Padrão de fornecimento Poliamida M25 (6-14mm) MAC.EXE.159



* Outras conexões sob consulta/ Other connections on request

1 - TCC - Temperatura de cor correlata/ Correlated color temperature

2 - Sistema de emergência ON/ON - Luminária permanece "LIGADA" e continua ligada na falta de energia./ Emergency ON/ON system - Luminaire remains "ON" and continues to be switched on in case of power failure.

3 - Sistema de emergência OFF/ON - Luminária permanece "DESLIGADA" e liga na falta de energia./ Emergency system OFF/ON - Luminaire remains "OFF" and turns on in case of power failure.

4 - (2 drivers)- Somente para 54W (o funcionamento dos módulos será feita de forma intercalada./ (2 drivers) - only for 54W (the operation of the modules will be done intermittently).

5 - Dois Drivers, ligação independente.

Nota/Note: De acordo com a solicitação do cliente este código pode variar para definição de outras potências, sendo este enviado na proposta comercial./ According to the customer's request, this code may vary for the definition of other powers, being sent in the commercial proposal.