

ML014NLT-(Codigo raiz/ Main Code)

Tubo LED/LED tube

Abertura Frontal/Front Opening



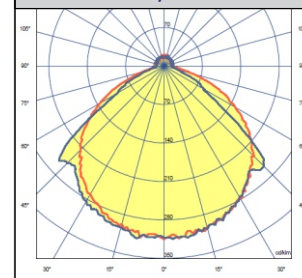
Potência (Power)	Tensão (Voltage)	Fluxo Luminoso (Luminous flux)
2x 8/10W	100~240Vca/Vcc	2694,50 Lm
3x 8/10W		4041,75 Lm
4x 8/10W		5388,00 Lm
2x 18/20W		3716,72 Lm
3x 18/20W		4459,80 Lm
4x 18/20W		5946,40 Lm

*Fluxo luminoso referente à CW./Luminous flux

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

Marcação/Marking	
Gases	Ex ec IIC T* Gc
Pó/Dust	Ex tb IIIC T**C Db
Classe de Temperatura Temperature Class	T5/T100°C
Grau de Proteção Degree of Protection	IP66 (AC) IP66W (AL,AL)
Zonas/Zones	2, 21 e 22
Temperatura Operação Operating Temperature	-20°C < Ta <+ 50°C

Curva Fotométrica/ Photometric curve



Descrição do Produto/Product description

Luminária SALA LIMPA metálica não ascendível Tubo LED, versões para embutir ou sobrepor com ou sem sistema de emergência.

Corpo: Aço carbono, aço inox ou Alumínio Copper Free;

Cor: Branca. Outras sob consulta;

Diffusor: Policarbonato de alta resistência mecânica com proteção a raios UV;

Refletora: Branco;

Lâmpada: LED;

Porta lâmpada: Conector;

THD: ≤10%;

IRC: >70;

Aprovações: LM80, Lm79;

Fator de Potência: > 0,95;

Frequência: 50/60Hz;

Bateria: Autonomia: mínimo 1:30 h. Atendendo a 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- 0/7/31;

ABNT NBR IEC 60529;

Nota: Outras tensões sob consulta.

Certificado: Ex TÜV 12.1036.

Luminaire CLEAN ROOM metallic non-ascensible LED tube, versions to embed or overlap with or without emergency system.

Body: Stainless steel, Carbon Steel or Copper-Free

Aluminum;

Color: White, others on request;

Diffuser: High mechanical strength polycarbonate with UV protection;

Reflector: White;

Lamp: LED;

Lamp port: Connector;

THD: ≤10%;

IRC: >70;

Approvals: LM80, Lm79;

Power Factor: > 0.95;

Frequency: 50/60Hz;

Battery: Autonomy: Minimum 1:30 h. Meeting the standard NBR 10.898:2013;

Input: By cable press (See table);

Terminals: For cables up to 6mm²;

External grounding: Available;

Impact: Ik08;

Service Life: > 60000 hours;

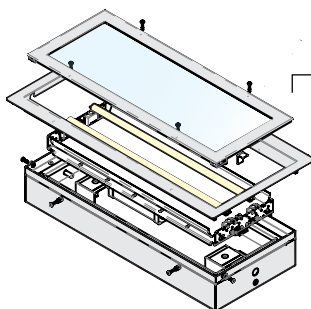
Warranty: 5 years;

Technical standards: ABNT NBR IEC 60079- 0/7/31;

ABNT NBR IEC 60529;

Note: Other stresses on request

Certificate: Ex TÜV 12.1036.

Abertura Frontal
(Front Opening)Vista Isométrica Explodida
(Exploded Isometrix View)

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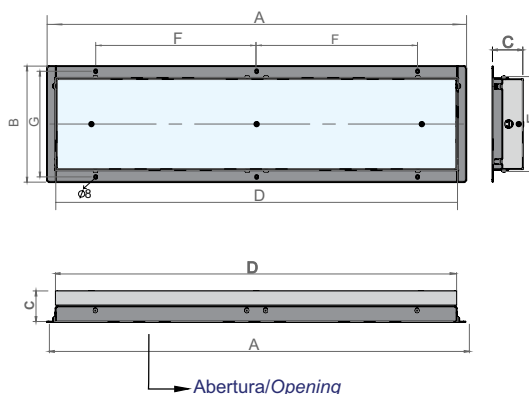
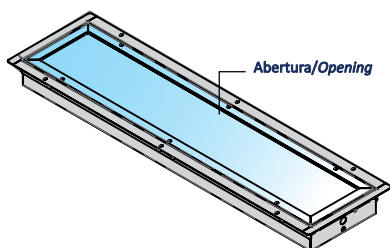


Potência (Power)	Peso/Weight(Kg)			
	S/ Emergência Without emergency		C/ Emergência With emergency	
	Al / AC	AL	Al / AC	AL
8/10W	4,6Kg	4Kg	7,1Kg	6,56Kg
18/20W	8,9Kg	8Kg	12,51Kg	10,5Kg

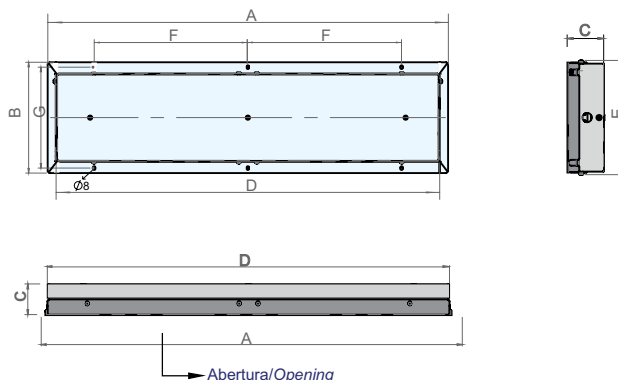
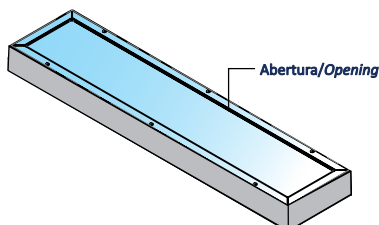
Dimensões/Dimensions (mm)										
Corpo (Body)	Potência (Power)	Embutir/Embed (EB)							Sobrepor/Overlap(SB)	
		A	B	C	D	E	F	G	A	B
Menor(Smaller)	8/10W	770	382	101	737	312	440	349	712	312
Maior (Larger)	18/20W	1381	382	101	1316	315	530 / 530	349	1324	315,2

*Vão para Instalação/ Space for Installation: 8/10W(Prof:101mm x Larg.312mm x Comp.737mm).
18/20W(Prof:101mm x Larg.315mm x Comp.1316mm).

Luminária de embutir- (EB) (Embed type light fixture)



Luminária de Sobrepor (SB) Overlapping luminaires



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PRENSA CABOS E/OU TAMPÕES (Cable grand and/or stopping plug)			ALUMÍNIO Aluminium	LATÃO NIQUELADO Nickelated brass	AÇO INOX Stainless Steel	POLIAMIDA Polyamide
MODELO Model	ROSCA Thread	RANGE Range				
PRENSA CABO (Cable Press) 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	
PRENSA CABO (Cable Press) 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	
PRENSA CABO (Cable Press) 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	
PRENSA CABO (Cable Press) A2 159	M20P	6,0-12,0	N/A			15P
	M20	10,0-14,0				16P
	M25	6,0-14,0				17P
	M25G	14,0-18,0				18P
TAMPÃO (Cap) 158	M20	N/A	20A	20L	20I	20P
	M25		21A	21L	21I	21P

Tensão/Voltage

9S = 100 ~ 240 Vac
 3N = 100 ~ 240 Vac (Emerg...{On/On
 3F = 100 ~ 240 Vac (Emerg...{Off/On
 Vca = Vac / Vcc = Vdc

LT- Abertura frontal /Front opening

**Código raiz
(Main Code)
Maccomevap**

Material/Material

C= Aço carbono/Carbon Steel
 I= Aço inox/Stainless steel
 A= Alumínio/Aluminum

Entradas/Inputs

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

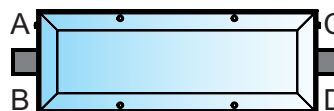
**Quantidade de Lâmpadas
Number of lamps**

P2 = Para duas lâmpadas
For two lamps.
 P3= Para três lâmpadas
For three lamps.
 P4= Para 4 lâmpadas
For four lamps.
 2L = Com duas lâmpadas
With two lamps.
 3L= Com três lâmpadas
With three lamps.
 4L= Com quatro lâmpadas
With four lamps.

Potência/Power
 1= 8/9/10W
 2= 18/20W

Fixação/Fixing
 EB- Embutir/Embed
 SB- Sobrepor/Overlap

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



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

2 - Ligação independente (Somente sem emergência).

*Emergência OFF/ON não acompanha drive.

* Outras conexões sob consulta

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

2 - Independent connection (only without emergency).

*Emergency OFF/ON does not accompany drive.

* Other connections on request.