



HOLOPHANE



Metrolux™



Metrolux™



PATENT NO.
EP 2309171

Metrolux™



Metrolux LED
Deep glass version >

^ AVE speed train - Madrid Lleida, Spain

^^ Channel Tunnel rail link, UK



Metrolux™ has been specifically designed for use in underground rail tunnel systems, employing a prismatic glass refractor to control light output and a die-cast aluminium front frame and body for the durability required for tunnels and a multitude of industrial applications. Stainless steel quick release door latches allow easy access to the lamp and control gear compartment for quick and simple maintenance. A vital feature for use in tunnels is the special safety mechanism preventing the door from swinging wide open.

features and benefits

- Rugged die-cast aluminium construction
 - > Durable
- Prismatic optics
 - > Controlled light output
 - > Available with shallow and deep glass versions
- Stainless steel quick release door latches
 - > Tool free maintenance
- Door safety mechanism
 - > Prevents door from accidentally swinging fully open
- Compact fluorescent or LED light source
 - > Choice of light sources providing flexibility within the same style
- Retrofit LED Module
 - > Allows existing installation to be updated

applications

- > Rail tunnels
- > Industrial tunnels
- > Security lighting
- > Gantries
- > Boiler houses
- > Conveyor tunnels
- > Local industrial lighting

lamp types included

18W - 42W compact fluorescent
 Three LED lumen packages available:
 (1,000, 2,000 & 3,000 lumens)

IP rating

IP65 

TM66 CEAM-Make Rating

Preliminary Rating: 2.5
 (Excellent circularity)

approvals

Complies with EN60598



For further information please visit the Holophane website
www.holophane.co.uk



Typical Luminaire Performance

Configuration	Delivered Lumens [†]	Power Consumption	Drive Current	Rated Life of LED Module (L70B50 @Tq 20°C)*
MTX.LA0147	c. 1,000 lm	14W	375mA	100,000 hours
MTX.LA0247	c. 2,000 lm	26W	775mA	100,000 hours
MTX.LM0148	c. 1,000 lm	10W	350mA	50,000 hours
MTX.LM0348	c. 3,000 lm	26W	950mA	50,000 hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

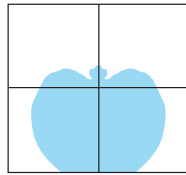
† Based on the average of all the optical distribution options.

specification

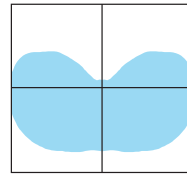
The luminaire shall consist of a prismatic glass refractor, gasket sealed within an aluminium door frame assembly. The luminaire housing shall consist of a two-part die-cast aluminium assembly with a concealed hinge for easy lamp access, and suitable integral control gear for a choice of compact fluorescent lamps and LED options. The luminaire shall comply with EN60598 with an IP rating of 65.

light distribution

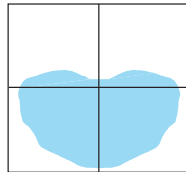
Asymmetric Tunnel Wide



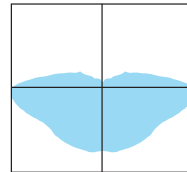
Side Emitting Wide



Asymmetric Tunnel Narrow



Side-Emitting Down



Photometric data is available at www.holophane.co.uk

weights & thermal data

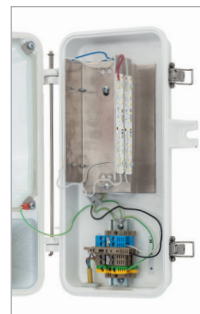
Lamp Type	Weight (kg)	Min Operating Temperature (°C)	Max Ambient Temperature (°C)
MTX.LA0147.SG	3.5kg	0	30
MTX.LA0247.SG	3.5kg	0	50
MTX.LA0147.DG	4.5kg	0	30
MTX.LA0247.DG	4.5kg	0	50
MTX.LM0148.SG	3.5kg	0	50
MTX.LM0348.SG	3.5kg	0	30
MTX.LM0148.DG	4.5kg	0	50
MTX.LM0348.DG	4.5kg	0	30



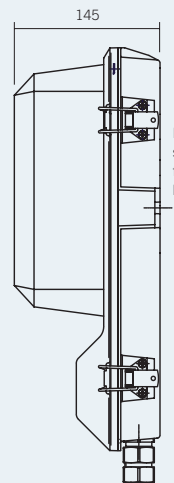
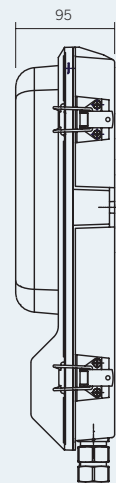
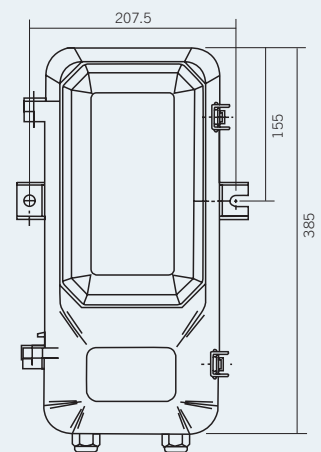
Metrolux CFL - Deep glass version



Metrolux LED - Deep glass version




dimensions in mm



Fixing suitable for M10 bolts

Note: The specifications of the Holophane luminaire represents typical values. All descriptions, illustrations, drawings and specifications in the Holophane catalogue and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change specifications at its discretion without prior notification or public announcement.

ordering details: luminaire

Code		Metrolux					
Code	Lamp Type						
.LA0147	LED light engine producing c. 1,000 lumen with a nominal 4000K colour temperature, 70 CRI						
.LA0247	LED light engine producing c. 2,000 lumen with a nominal 4000K colour temperature, 70 CRI						
.LM0148	LED light engine producing c. 1,000 lumen with a nominal 4000K colour temperature, 80 CRI						
.LM0348	LED light engine producing c. 3,000 lumen with a nominal 4000K colour temperature, 80 CRI						
Code	Distribution (required)						
.SW1	Side Emitting Down*						
.LU1	Asymmetric Tunnel Narrow*						
.IS1	Asymmetric Tunnel Wide**						
.IS2	Side Emitting Wide**						
Code	Optic (required)						
.SG	Shallow glass lens***						
.DG	Deep glass lens						
Code	Colour						
.C1	White (RAL 9016)						
.RAL****	RAL colour (customer choice)****						
Code	Less Lamp (option)						
.LL	Supplied Less Lamp						
.LS****	Customer specified lamp						
Code	Paint Finish (option)						
.C	Enhanced Paint Finish						
Code	Emergency (option)+						
.ME	with self contained 3hr maintained emergency battery and inverter						
.NE	with self contained 3hr non-maintained emergency battery and inverter						
Code	Terminal Block (option)						
.DTB	Din Rail mounted connections, complete with FUSE, for up to 10mm sq. conductors. Suitable for looping in and out. With additional 20mm cable gland entry.*****						
Code	Fixing Method (option)						
.SLH	Spring loaded hinge						
Example	MTX	.LA0147	.SW1	.SG	.C1	.C	.ME

* Available with .LA0147 and .LA0247 versions only. ** Available with .LM0148 and .LM0348 versions only.

*** Available with .LA0147, .LA0247 and .LM versions configured with .IS1 Distribution only. **** Please specify RAL colour reference.

***** When .DTB is selected with an LED lamp type, the fitting will be suitable for DC central battery emergency. + Emergency options are not available with LED versions.

Note: Luminaires are supplied as standard for use on 240V 50Hz supply and complete with lamp. For 230V 50Hz add prefix 'N'. Other voltages available on request.

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturers data) and luminaire power of +/- 5%.

spares



Code	Description
MTX.2.GT.LA0147.LU1	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LA0147.SW1	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LA0247.LU1	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LA0247.SW1	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LM0147.IS1	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LM0147.IS2	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LM0347.IS1	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.2.GT.LM0347.IS2	Replacement Metrolux LED gear tray with driver, 240V 50Hz
MTX.DOOR.DG.C1	Replacement Metrolux Door. Complete with shadow glass lens bissell pin hinge - finished in RAL9016 full gloss
MTX.DOOR.SG.C1	Replacement Metrolux Door. Complete with shadow glass lens bissell pin hinge - finished in RAL9016 full gloss
MTX.SG	Shallow optic with fixing kit for use on Metrolux luminaires with an optic sealing gasket in the door. (not suitable for older generation luminaires)
MTX.SLH	Spare kit for replacing spring loaded hinge on Metrolux door



Metrolux™

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