

1/Recommended accessory: IP68 junction box.

Tc max=105°C  
Risk group(EN 62471:2008)=1

Fitting must only be used complete with their protection cover. Tempered safety glass or polycarbonate cover of Ø119,3 and 15 mm thickness.

Installation cable must support 110°C temperature. Feeding cable must be cable pipe 3x1 mm<sup>2</sup>. Installation may require advice.

T = 50°

General safety instructions: information on restrictions related to use of the light fixtures (class, IP, etc), can be found both on the fixture label and on our website at [www.rovasi.com](http://www.rovasi.com).

The wiring schematics can be found on page 2 of the document.

### ELECTRONIC EQUIPMENT:

**S:** On/Off .

**DB:** DALI. There are accessories available for dimming devices.

4.8W / 150mA

105HNY.4.01-I1182  
105HNY.4.01-I1183  
105HNY.4.01-I1184

F3.A

LED technology and performance data are constantly changing. Current details should therefore be checked with ROVASI in order to ensure that its still the mostup to date reference. Updated data will be supplied on request. [22.04.2022]

Installation instructions. Mains supply wires

- Wiring type and cross section
- Solid wire a cross section of 0.5 -1.5mm<sup>2</sup> . Strip 10-11 mm of insulation from the cables to ensure perfect operation of terminals.
- Use one wire for each terminal connector only.
- Use each strain relief channel for one cable only.
- Installation may require advice from a qualified person.
- Single lights apt for outer use.

Wiring guidelines

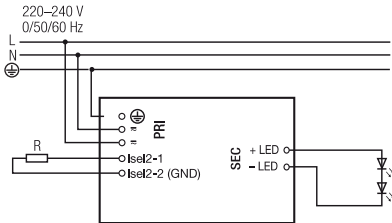
- All connections must be kept as short as possible to ensure good EMI behaviour.
- The cables should be run separately from the mains connections and mains cables to ensure good EMC conditions.
- The LED wiring should be kept as short as possible to ensure good EMC.
- The max. secondary cable length is 2m (4m circuit). Secondary switching is not permitted.
- Incorrect wiring can damage LED modules.
- The LED Driver has no inverse-polarity protection on the secondary side. Wrong polarity can damage led modules with no inverse-polarity protection.

- Earth connection is recommended to improve following behaviour.
- Electromagnetic interferences (EMI)
- Transmission of mains transients to the LED output.



Release of the wiring  
Press down the "push button"  
and remove the cable from front

Circuit diagram S:Electronic constant current drivers



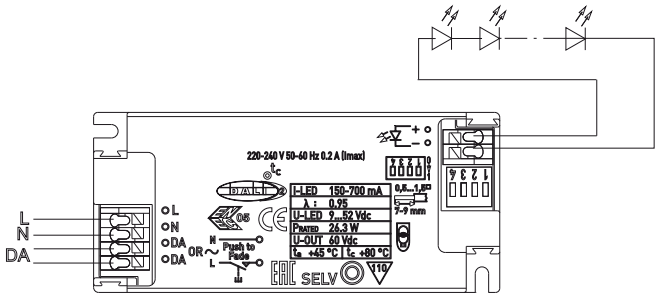
Maximum lead length  
LED 3m<sup>Ø</sup>

Ø Note: The length of LED module must not be exceeded.  
Note that the length of the EM converterLED leads to the LED module will be added to the length of the leads from the control gear to the EM converterLED module when considering the lead length of the control gear.  
Leads should always be kept as short as possible.

Wiring guidelines

- The LED terminals, battery , indicator LED and test switch terminals are classified as SELV (output voltage <60V DC).
- Keep the wiring of the input terminals separated from the wiring of the SELV equivalent terminals or consider special wiring (double isolation, 6mm creepage and clearance) when these connections should be kept SELV.
- The output to the LED is DC but has high frequency content, which should be considered for good EMC compliance.
- LED leads should be separated from the mains connections and wiring for good EMC performance.
- Maximum lead length on the LED terminals in 3m.
- For a good EMC performance keep the LED wiring as short as possible.

Circuit diagram D: DALI

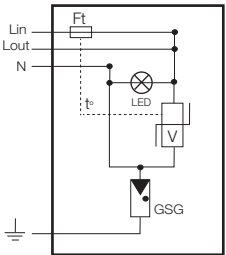


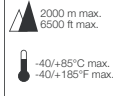

I-LED	PRATED	1	2	3	4	I-LED	PRATED	1	2	3	4
150 mA	7.8 W	0	1	0	0	450mA	23.4 W	1	0	1	0
200 mA	10.4 W	0	1	0	1	500mA	26 W	1	0	1	1
250 mA	13 W	0	1	1	0	550mA	26.1 W	1	1	0	0
300 mA	15.6 W	0	1	1	1	600mA	26.1 W	1	1	0	1
350 mA	18.2 W	1	0	0	0	650mA	26 W	1	1	1	0
400 mA	20.8 W	1	0	0	1	700mA	26.3 W	1	1	1	1

EM: Electromagnetic  
EMC: Electromagnetic Compatibility  
DC: Direct current  
SELV: Safety extra low voltage

- Single-phase protection type II and III.
- Suitable for TT/ TN systems.
- The device has to be selected according to the application and voltage from table 1.
- In case of failure, the LED will go out indicating that the surge protection device must be replaced.

Circuit diagram: Surge protection device.



	P/N
 2000 m max. 6500 ft max.  -40/+85°C max. -40/+185°F max.	MLPX1-230L-W
AC Network	
230 Vac	●
Characteristics	
Connection by wires	●
I <sub>max</sub>	10 kA
I <sub>PE</sub>	No current
Protection class	IP67
Table1	

	Ø
L/N	1.5 mm <sup>2</sup> 16 AWG
PE	2.5 mm <sup>2</sup> 13 AWG

