

FL 20-2

Halogen light generator
for use with fibre optic lighting

User Manual



Mounting and installation instruction.

Item no.: 0120 0001 FL 20-2 Ø9 230V

1. Introduction

This manual serves you as a guideline to how the system is operated in the safest way. Following the recommendations in this guideline all contributes to:

- Enhanced functionality
- Extended lifetime of components
- Uninterrupted illumination

Your Roblon halogen light generator, type FL 2001 is intended for indoor use in fibre optic lighting systems using either glass or PMMA fibres. This light generator is prepared for use in cabinets or showcases, either closed or semi closed compartments.

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2. Product overview and packing list

Contents of the box:

- FL 20-2
- User manual



3. Technical info

Light port size:	Ø9 mm.
Fibre type:	PMMA/Glass
Supply voltage:	230 V / 50-60 Hz
Lamps:	20W Philips type 13861, 12V Halogen.
Power consumption:	23 VA
Fuse:	Integrated auto
Power cord:	Supply cord w/2 conductors.
Ballast:	Electronic
Thermal protection:	Auto reset.
Cooling system:	Natural convection
Ambient temperature:	-15 - +40° C
Lamp type:	Halogen
Lamp life time:	4,000 hours
Lamp colour temp:	3,000K
Operating environment:	Indoor/dry locations
Protection rating:	IP 20
Material:	Steel Powder coated.
Dimensions:	(L x H x W) 172 x 90 x 91 mm.
Weight:	1.2 kg.
Safety approvals:	CE, F, EMC



4. Installing the light generator

1. Insert the harness' common end fully into the light port on the light generator.
2. Tighten the finger screw at the light port.
3. Check that the requirements of installation and ventilation are met.
4. Connect the supply cord to the main power supply.



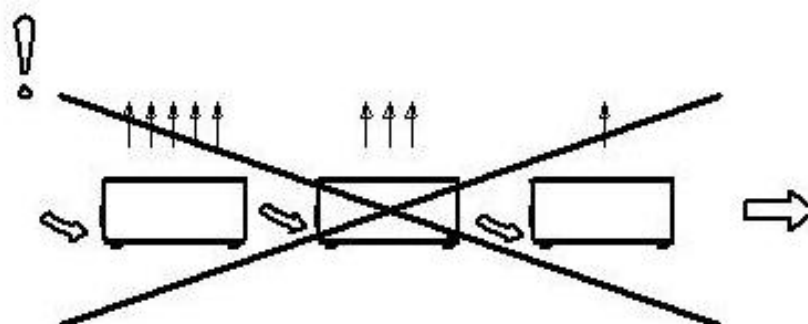
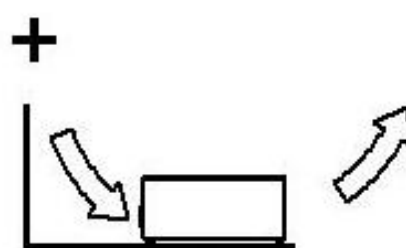
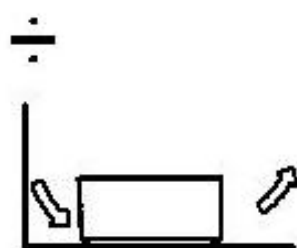
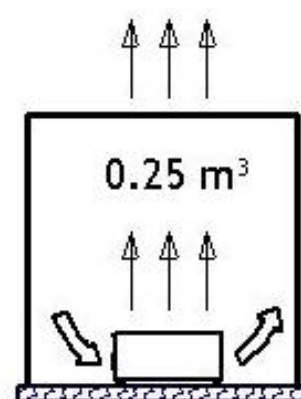
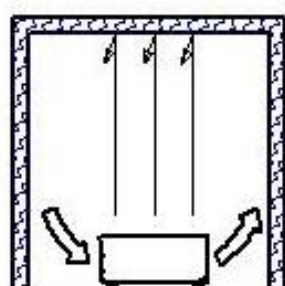
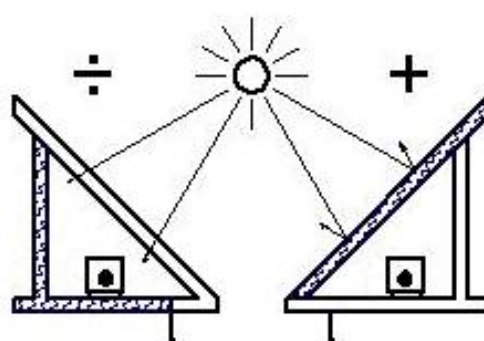
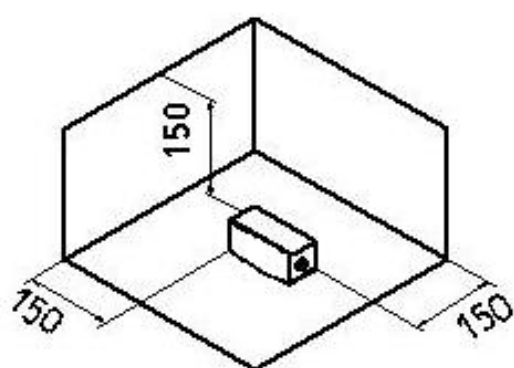
Fibre types

FL 20-2 can be used with both plastic (PMMA) and glass fibre.

5. Fixating the light generator to a surface

1. Loosen the screw at the one side of the light generator to open the cover.
2. Be careful not to damage the lamp. Remove it if necessary.
3. Mount the light generator with one or two screws (not included) through two holes in bottom of the light generator.
4. Reinstall the lamp and close the cover again.





Maintenance

The outside of the cabinet may be cleaned with a damp cloth.

If the environment is very dusty, it is recommended that the interior be inspected and cleaned every 3 months or with suitable intervals.

If it is necessary to clean the lamp and reflector, do so using a lint-free cloth. Do not touch the cleaned surfaces with the fingers as this will reduce the performance on lamp life. The best results may be ensured by fitting a new lamp under such conditions.

!!! Never apply detergents containing alcohol to PMMA fibres !!!



Changing a lamp:

1. Switch of disconnect unit from power.
2. Open the top cover
3. Lift the lamp out of the lamp holder
4. Disconnect the lamp
5. Fit a new lamp (type Philips no 13861). Take care not to touch the lamp or reflecting surfaces with bare fingers. Should this accidentally happen, remove the lamp & clean as previously described.
6. Close the cover.

6. Trouble shooting

Symptom	Cause	Solution
No light	Is the power ON?	Turn ON the power.
	Is the power cord properly connected?	Reinsert the power cord.
	Is the light generator too hot?	Check with the installation instructions. Cool off for 10 minutes and try again.
	Is the lamp blown?	Replace lamp with new one.
Light switches ON and OFF	Is the light generator too hot while operating?	Check with installation instructions.
	Is the fan blocked?	Clear the airways. Secure airflow is not blocked.
The light output has diminished	Is the lamp old?	Replace the lamp with a new one.
	Is the fibre harness common end dirty?	Clean the harness common end with a damp cloth. Finish by wiping off with a dry lint-free cloth.

7. Spare parts and Accessories

Description	Roblon item no.:	Model designation	Image
Lamp	+65124200	13861 from Philips 12V Halogen	
Trafo	+68002121 +68001212	230V / 12V 60W, electronic 120V / 12V 60W, electronic	

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