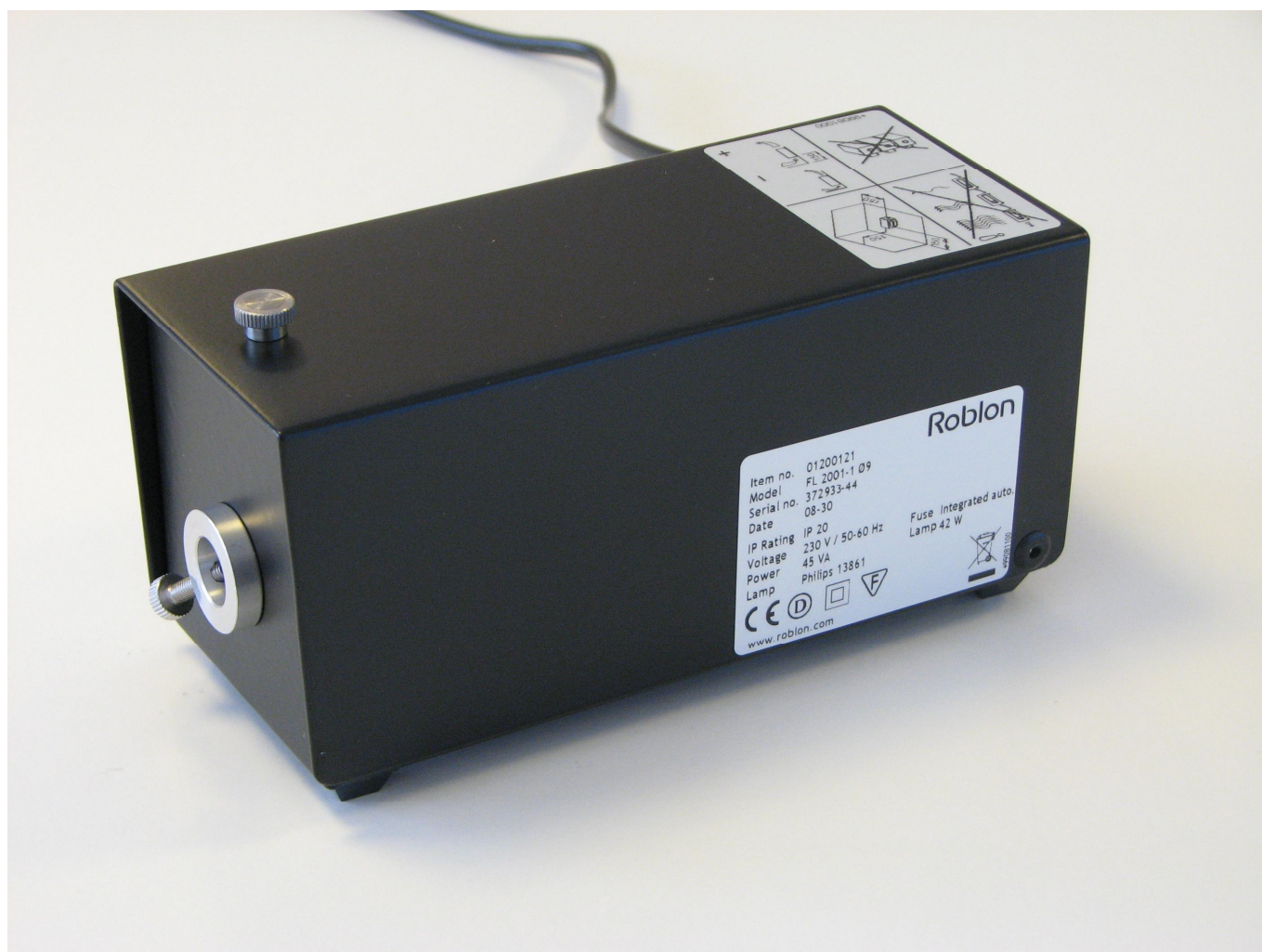


FL 2001-1

Halogen light generator
for Fibre Optic Lighting systems

User Manual



These mounting instructions describes mounting and installation of the following products:

Item no.:	0120 0121	FL 2001-1	Ø9 230V
	0120 0131	FL 2001-1D	Ø9 230V Mechanical dimmer
	0120 0151	FL 2001-1	Ø9 120V
	0120 0153	FL2001-1D	Ø9 120V Mechanical dimmer

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 2001-1
- User manual



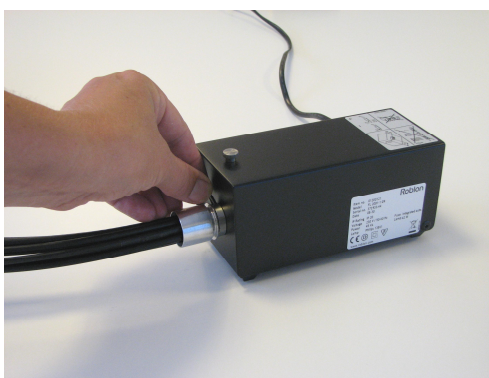
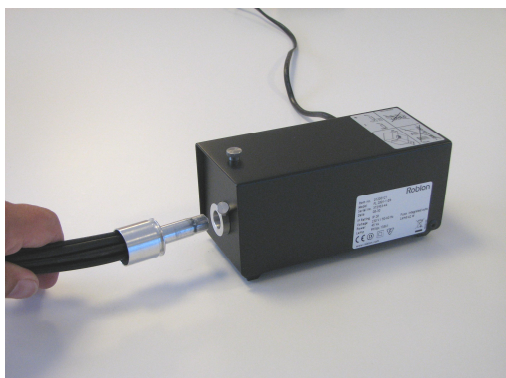
3. Technical info

Light port size:	Ø9 mm.
Fibre type:	PMMA/Glass
Supply voltage:	230 V / 50-60 Hz
Lamps:	42W Philips type 13861, 12V Halogen.
Power consumption:	42 W
Fuse:	Integrated auto
Power cord:	Cord w/o earth connection
Dimming:	Mechanical dimming on 01200131 and 01200153.
Ballast:	Electronic
Thermal protection:	Integrated in transformer.
Cooling system:	12 VDC axial fan (60x25mm)
Fan noise level:	26 db(A)
Ambient temperature:	-15 - +40°C
Lamp type:	Halogen
Lamp life time:	6000 hours
Lamp colour temp:	2900K
Material:	Steel Powder coated.
Dimensions:	(L x H x W) 162 x 98 x 77mm.
Weight:	900 g.
Safety approvals:	CE D cUL _{us} F



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.

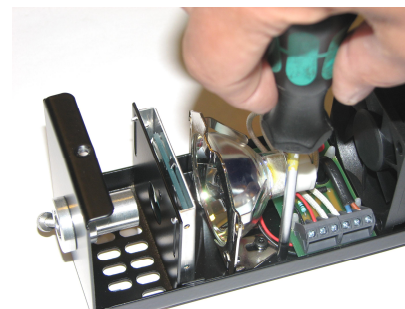
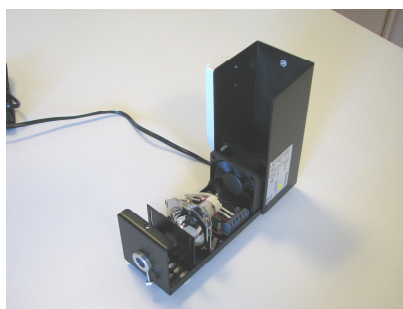
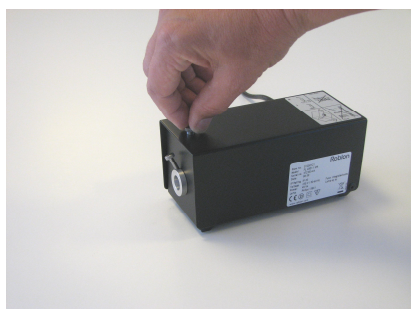


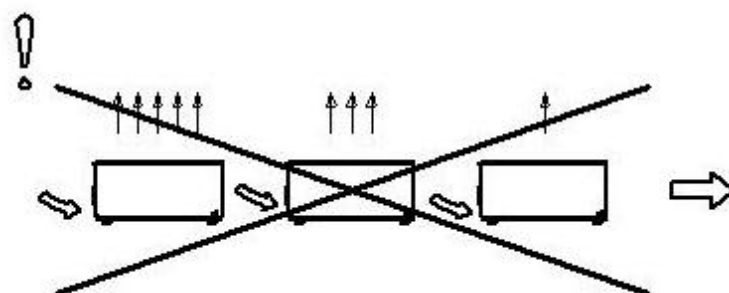
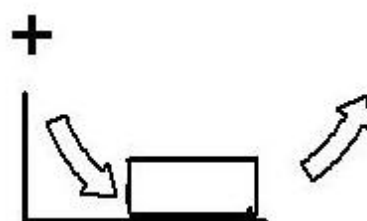
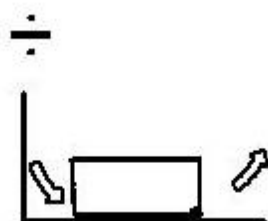
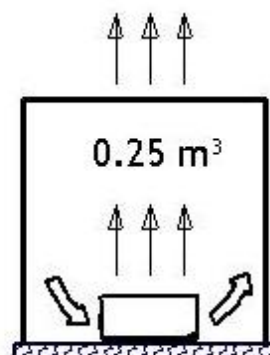
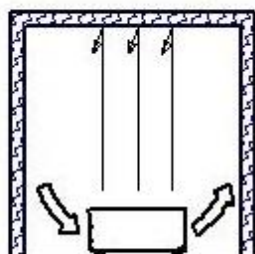
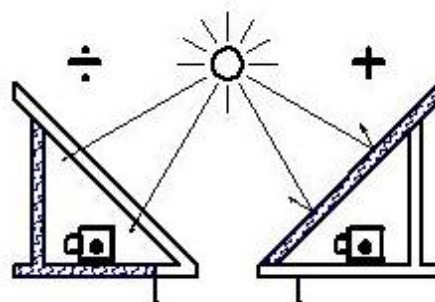
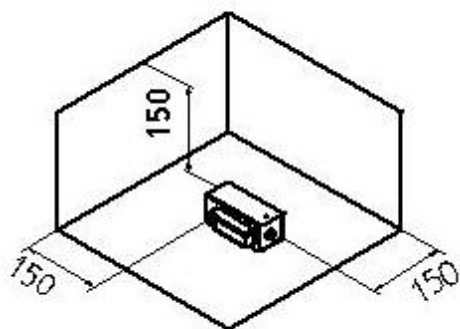
Fibre types

FL 2001 can be used with both plastic (PMMA) and glass fibre.
If PMMA fibre is used there should be mounted a heat filter in front of the lamp.

5. Fixating the light generator to a surface

1. Loosen the screw at the top 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 the holes on each side of the lamp.
4. Reinstall the lamp and close the cover again.

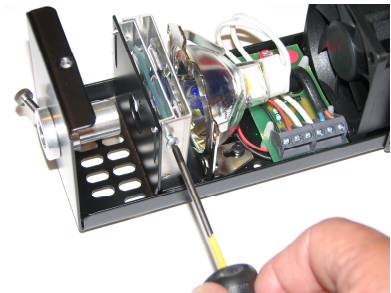
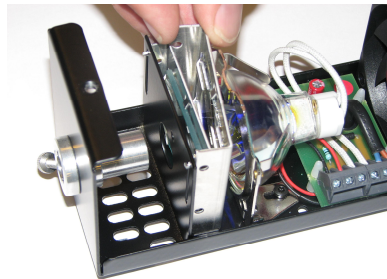
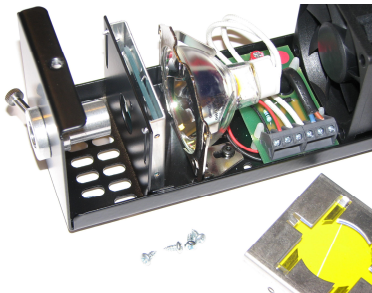




6. Mounting of optional colour filters.

(not included).

1. Loosen the screw
2. Open the cover.
3. Mount the filter bracket making sure that it is fitted back to back with the already installed heat filter bracket. Two self tapping screws are supplied in the colour filter kit. A screwdriver Torx 10 is needed.
4. Close the cover again and secure the screw.



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 month 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 !!!


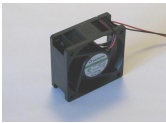

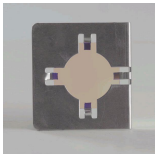
Changing a lamp:

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.

7. 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.
	Is the fan broken?	Replace the fan with a new one.
The light output has diminished	Is the lamp old?	Replace the lamp with a new one.
	Are the filters dirty?	Clean the filters with a damp cloth. Finish by wiping off with a dry lint-free cloth.
	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.

8. Spare parts and Accessories

Description	Roblon item no.:	Model designation	Image
Lamp	+65124200	13861 from Philips 12V Halogen	
Fan	+64060122	KDE1206PTV2 from Sunon	
Trafo	+68002121 +68001212	230V / 12V 60W, electronic 120V / 12V 60W, electronic	
Colour filter	+78000270 +78000271 +78000272 +78000273	Yellow colour filter with bracket Green colour filter with bracket Blue colour filter with bracket Red colour filter with bracket	

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