

## FL 75

Halogen light generator  
for use with fibre optic lighting.

User Manual



### Mounting and installation instruction.

Item no.:	0150 0178	FL 75 Ø9		230V
	0150 0179	FL 75 Ø28		230V
	0150 0183	FL 75E Ø9	Colour	230V
	0150 0180	FL 75E Ø28	Colour	230V
	0150 0182	FL 75E Ø28	Twinkle	230V
	0150 0207	FL 75E Ø28	Twinkle	120V
	0150 0205	FL 75E Ø28	Colour	120V
	0150 0210	FL 75E Ø28	Dual Power Cord	120V
	0150 0300	FL 75 Ø9	Dimmable	230V
	0150 0301	FL 75 Ø28	Dimmable	230V
	0150 0302	FL 75E Ø9	Colour ext. On/off	230V
	0150 0303	FL 75E Ø28	Colour ext. On/off	230V
	0150 0304	FL 75E Ø28	Twinkle ext. On/off	230V

## 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 75 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, but may anymore be used indoor in dry enviroment.

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## 1. Product overview and packing list

Contents of this box:

FL 75  
Cable  
User manual



## 2. Technical info

Light port size:	Ø9 or Ø28 mm
Fibre type:	PMMA/Glass
Supply voltage:	230 V / 50-60 Hz or 120 V / 60 Hz
Lamps:	75W Philips type 14515, 12V Halogen.
Power consumption:	75 W      87 VA
Fuse:	T1A (EU)    T1A (US)
Power cord:	Cord with earth connection
Dimming:	
Ballast:	Magnetic
Thermal protection:	
Cooling system:	12 V AC axial fan (80x38mm)
Fan noise level:	18 db(A)
Ambient temperature:	-30 - +40°C
Lamp type:	Halogen
Lamp life time:	4000 hours
Lamp colour temp:	3000K
Material:	Steel.
Dimensions:	(L x H x W) 239 x 148 x 164 mm.
Weight:	3900 g.
Safety approvals:	CE EMC D cUL <sub>us</sub> F

### 3. Installing the light generator

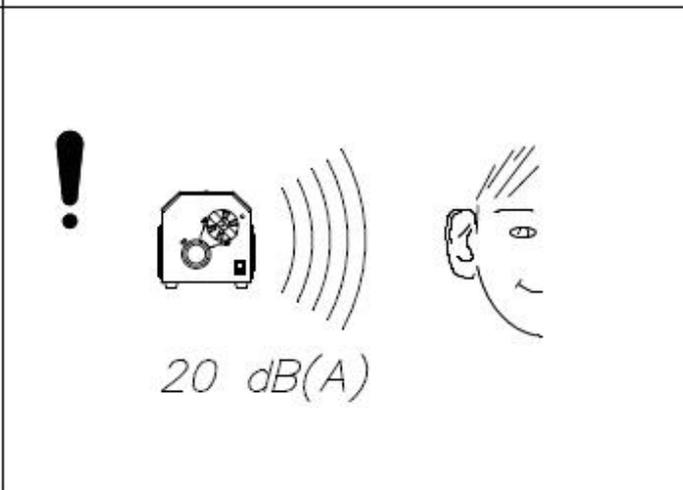
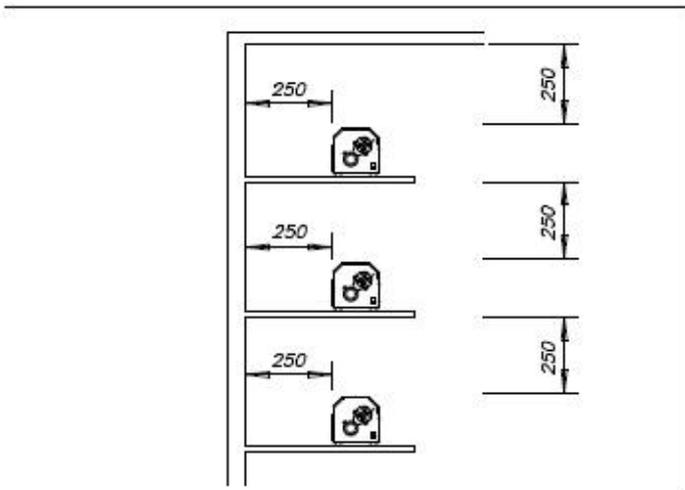
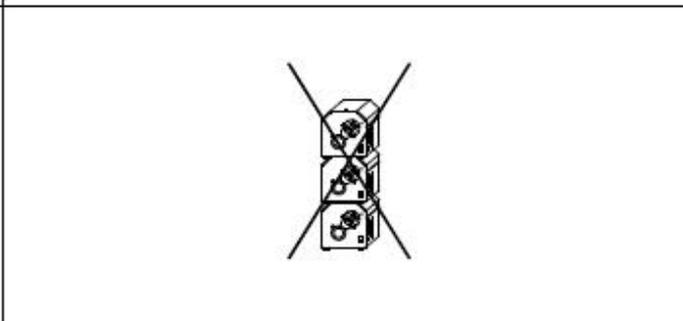
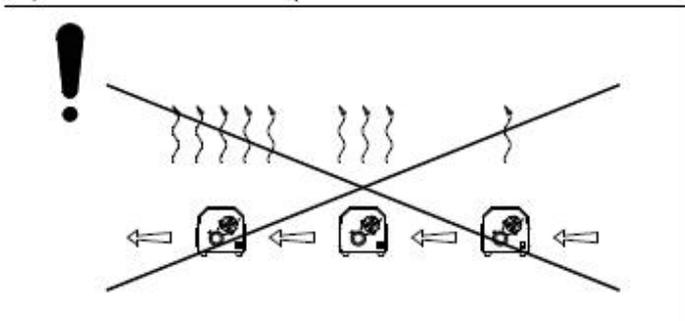
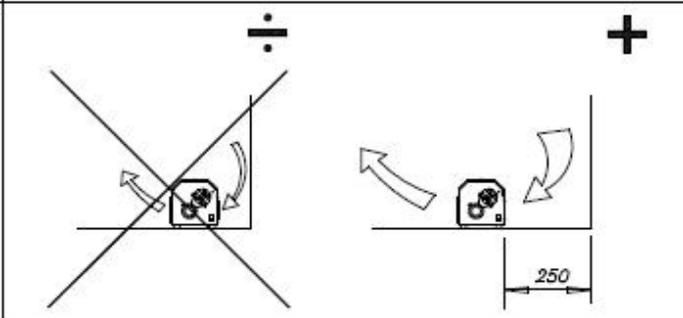
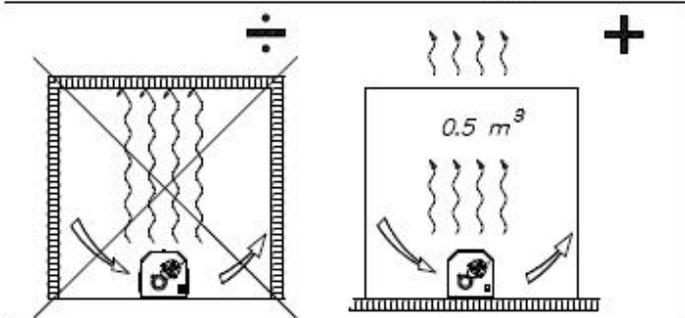
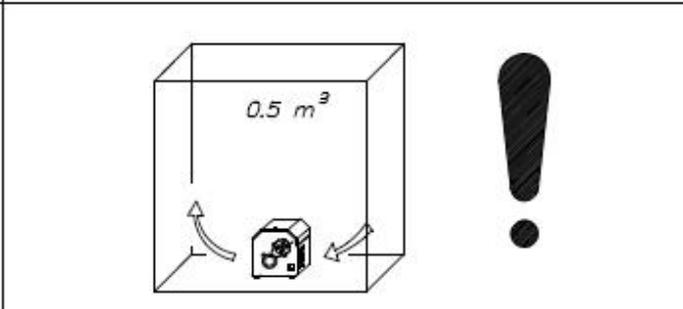
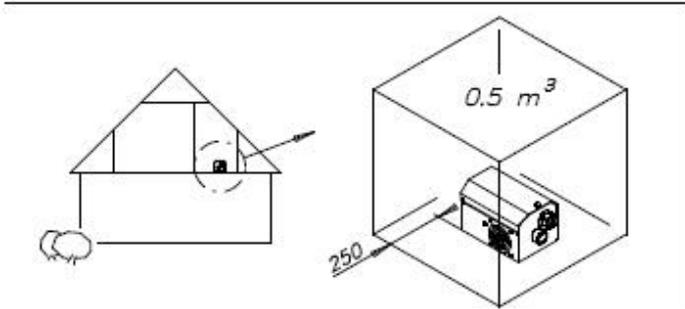
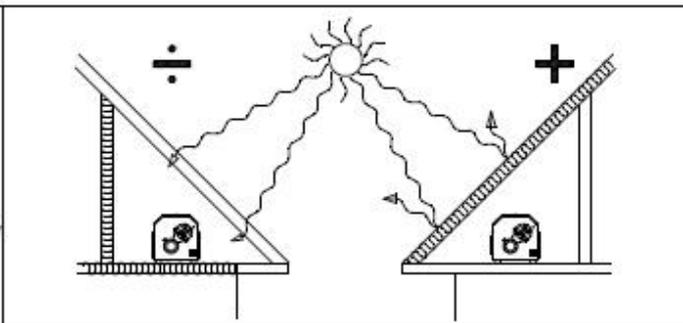
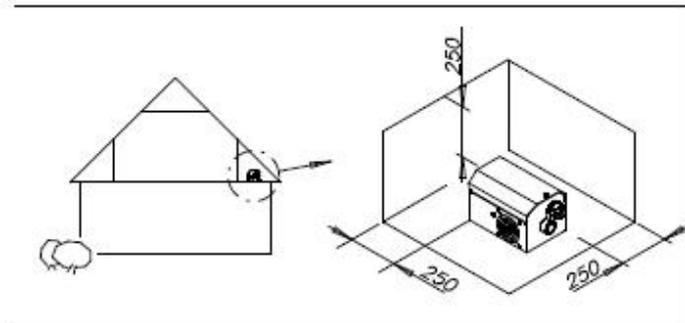
1. Insert the harness' common end fully into the light port on the light generator.
2. Tighten the finger screw at the light port.
3. Check that the requirements of installation and ventilation are met.
4. Connect the supply cord to the main power supply.



### 4. Fixating the light generator to the surface

1. Mount the mounting brackets through the holes on the side of the light generator.
2. Mount the light generator with two or four screws (not included)

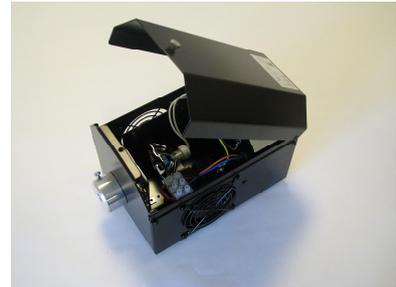
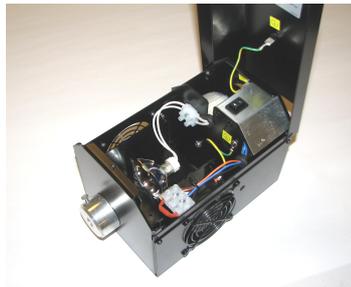




## 5. Munting of optional colour filters.

(not included).

1. Loosen the finger screw and open the lid.
2. 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.
3. Close the lid again and secure the finger screw.



## 6. Maintenance

The outside of the cabinet may be leaned 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 am lamp life. The best results may be ensured by fitting a new lamp under such condition.

!!! Never apply spirit 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 14515). 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.



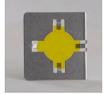
## 7. Trouble shooting

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.
	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

Description	Roblon item no.:	Model designation	Image
Lamp	+6512 7595	14515 from Philips 12V Halogen	
Fan	+6408 0225	GM1206PTV2-A from Sunon (for EU Units)	
	+6408 0118	KDE1206PTV3 from Sunon (for US units)	
Trafo	+6800 0211	230V / 12V 60W (for European units)	
	+6800 0112	120V / 12V 60W (for US units)	
Termal Fuse	+6710 0100	72 °C	
Colour wheel	+5100 0050	Standard 8 colours	
Twinkle-wheel	+5100 0030		
Motor	+6400 1220	1 rpm 230 V AC (for European units)	
	+6400 1215	1,2 rpm 120 V AC (for US units)	

## Accessories

Description	Roblon part no.:	Model designation	Image
Colour filter	+7800 0260	Yellow colour filter with bracket	
	+7800 0261	Green colour filter with bracket	
	+7800 0262	Blue colour filter with bracket	
	+7800 0263	Red colour filter with bracket	
CTC filter	+7800 0267	-500 K with bracket	
	+7800 0268	-900 K with bracket	
	+7800 0269	-1200 K with bracket	
Colour wheel	+5100 0053	Standard 8 colours, mix	
	+5100 0150	Rosco Permacolour, special	
Mounting Brackets	+78000121		
Adapter	+78000130	Ø28/Ø9	

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