RobLight

Pyxis 1r

User manual

RobLight

Introduction

Product overview/unboxing

1 Pyxis 1r
1 user manual

FOLLOW THE INSTALLATION INSTRUCTIONS TO ENSURE
SAFE OPERATION, FULL FUNCTIONALITY, STATED EXPECTED LIFETIME UNINTERRUPTED ILLUMINATION

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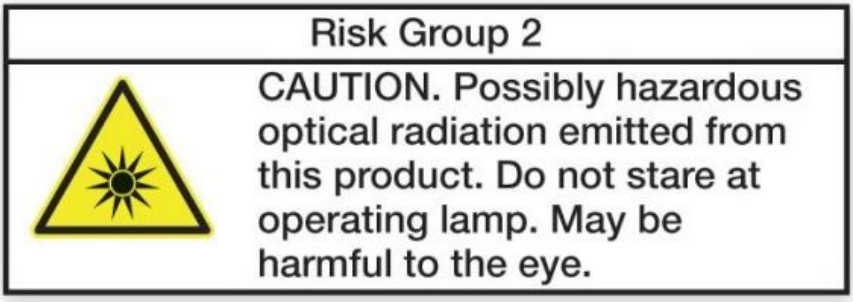
Warnings

This device has a built in high power phosphor converted blue led. The light source is grouped in Risk Group 2.



Do not look into the light port when lit.

Be aware that placing highly light absorbing material directly in front of (Distance 0-1cm) of the port or a fiber. The extremely high intensity will increase the temperature in the material.

Using non RobLight harnesses in this light generator is at own risk.

Insure that the poly connector is undamaged and clean before using the light generator in retrofit Roblon installations.

Be aware that when light generator is operated at max ambient temperature the surface temperature can exceed 75°C.

The light generator is only tested with RobLight standard polyconnector end.

The warranty label should not be broken under ANY circumstances. If broken the warranty is terminated.

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Technical data

General

Material	Aluminium, plastic and other
Colour	Black, grey, white and bronze
Dimensions (L x H x W)	Ø62 x 16-22 mm (depend on model)
Built-in height	25 mm / Ø51 mm
Dist. between driver and LG	2 meter
Weight (total)	0,1 Kg
Safety	CE, ROHS

Environmental

Protection rating	IP 50
Thermal protection	No
Cooling	Natural convention
Ambient temperature	-20°C to 45°C

Driver/electrical

Driver	Constant current
Supply voltage (mains)	120V—240V 50/60
Driver expected lifetime	50.000 h
Dimmer systems applicable	Pot, PUSH
Total power consumption	1.1W @ 350 mA

Light source

Applied LED	Nichia
Led power comsumption	63 lm/w
LED expected lifetime	35.000 h
Typical CCT	3000K / 4500K
Typical Ra (CRI_{1-8})	Min. 95

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Surface mounting

Drill Ø51 hull

Mount til fixture

Press in the fixture

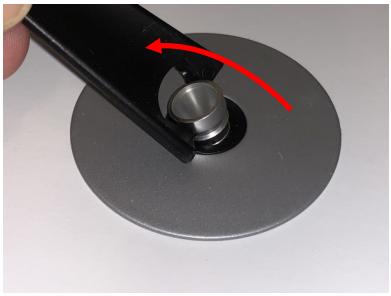
Always disconnect from mains, before connecting or disconnection any fixture.

Connet the driver
Whit multipull fixture use a splitter

Replace reflector

Tool a

Place the tool around the reflec-tor



Bend the tool and remove the reflector

Press in the new reflector

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Accessories / Spare part

	Part name	Description	Ordrering
	Reflector a medium 30		1136 0320
	Reflector a medium 45		1136 0420
	Reflector a wide 60		1136 0620
	Serial splitter 2 x RCY	For 1-2 fixture	1108 0012
	Serial splitter 4 x RCY	For 2-4 fixture	1108 0014
	Serial splitter 8 x RCY	For 4-8 fixture	1108 0018
	Driver 15W	1-8 LED	
	Driver 18W	1-7 LED with Pot.	
	Driver	4-12 LED	
	Roblon Dual Tool a		1136 1001

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Maintenance, spare parts & repairs

The effectiveness of active cooling device in greatly diminished if the cooling fins and the air intake is blocked or polluted with dust. This will reduce the expected lifetime of the product.
The dust need to be removed routinely. Interval depending on the environment.
A fine brush, vacuum cleaning or light compressed air can be used for the cleaning.

This light source is not supposed to be otherwise serviced, if it is used as recommended.

The fan can be exchanged using standard tools. A replacement kit with guide is available.

If the product isn't performing as specified, use the troubleshooting guide. If you need further assistance please contact RobLight.

Application notes

The light generator is an electronic device so it will not work forever. The different components will have different factors influencing the practical lifetime.
The most important factor for this system is the condition of the surrounding air (temperature and cleanliness). The data we have stated the expected lifetime of the key components are at the temperatures the suppliers has performed their standardized tests and in clean environments.

The light generator is designed to run at max ambient, but the longest usable operation is achied lower temperatures.

Although there is thermal protection built into this device; it is only a safety device and should not be used as a measurement device to test if the light generator is running at a tolerable surrounding temperature.

The poly connector is the most stressed part in this system.
Care should be taken to insure that the fibre ends are 100% clean and free from dust and grease (fingerprint will do damage.). See www.rob-light.com for recommendation to clean fibre end.

Running the light generator at too high temperature will not only risk damage to the light source but also the fibre harness.

KEEP COOL	CLEAN AIR

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Troubleshooting

Problem	Trace the problem	Solution
No light	Check the power	Connect the power cord properly/ Turn on the device
	Check the temperature.	Check it is installed according to the instructions.
	Check the dimming	Unplug. Unplug the dimmer system from the driver. Turn on the power.
Light switches on and off	Check the operating conditions of the light generator	Check it is installed according to the instructions.
	Check active cooling system.	Remove dirt and dust from light generator.

If problems is not solved using this guide please contact Roblight A/S

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