

Application notes

The data we have stated are based on the expected lifetime of the key components at the temperatures where the suppliers have performed their standardized tests.

All the data is for clean environment.

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

If used using drivers and/or wiring not supplied by RobLight the warranty will be terminated.

When using drivers not supplied by RobLight be aware of fluctuations in the current supply as ripple and on/off current can be excessive for many standard CC drivers. This product is a constant current device. Higher current than the stated will damage the product.

The product is not designed to run without a lens.

This system is an electronic device and therefore will not work forever.

The light output and light tone can change during the lifespan of the product.

The most important factor influencing the practical lifetime is the temperature of the surrounding air.

KEEP COOL

CLEAN AIR



Ara 5+

User manual

RobLight

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Product overview/unboxing

1 Ara 4
1 User manual

Installation instructions

Follow the installation instructions to ensure

- Safe operation
- Full functionality
- Stated expected lifetime
- Uninterrupted illumination

Warning

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

Risk group 2



CAUTION.
Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eye.

Do not look into the light port when lit.

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

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

Ensure that the polyconnector is undamaged and clean before using the light generator in retrofit RobLight installations.

Beware that when the or a 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.

Warranty label

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

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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 are not solved using this guide, please contact RobLight A/S.

Maintenance, spare parts and repairs

The cooling for this device is dependant that the metal surface is clean and free from dust. The product can be cleaned with a soft brush or low pressure cleaned and dry compressed air. If a vacuum cleaner is applied arrangements to remove static electricity must be done.









The lens can be changed as shown in this manual. Take care not to damage or soil the lenses when handling/cleaning. Take care not to touch the LED when the product is open.

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

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

If needed the Led module can be interchanged by a trained technician.

Accessories

	Part name	Description	Ordering
	Lens A 10° black Lens A 10° grey Lens A 10° white	Spot 10	1148 0100 1148 0105 1148 0106
	Lens A 20° black Lens A 20° grey Lens A 20° white	Narrow 20	1148 0300 1148 0305 1148 0306
	Lens A 30° black Lens A 30° grey Lens A 30° white	Medium 30	1148 0500 1148 0505 1148 0506
	Lens A 48° / 8° black Lens A 48° / 8° grey Lens A 48° / 8° white	Oval 48/8	1148 0400 1148 0405 1148 0406
	Lens tool A	For mounting/removing lenses	1148 0007
	Filter clip A black	Mounting ring for colour filters	1148 0006
	Driver set 4A 15W	15W 24V. Plug-and-play LED driver 1-6 connections 1-10 V dimming	1148 0008
	Driver set 4A 25W	25W 24V. Plug-and-play LED driver 1-9 connections 1-10 V dimming	1148 0010
	Driver set 4A 48W	48W 24V. Plug-and-play LED driver 1-9 connections 1-10 V dimming	1148 0011
	Filter	Colour filter Ø28*0.4 mm	On request
	Barn doors Ara black		1148 8012
	Ara snoot 50 mm black		1148 8016

Technical data

General

Material	Aluminium, POM and other
Dimensions (L x H x W)	Ø29 x 44 x 76 mm
Weight (total)	60 g
Safety	CE, RoHS, WEEE, F
Topology	Serial connection

Environmental

Protection rating	IP 20
Cooling	Natural convection
Ambient temperature	0° to 45° C

Driver/electrical

Driver	LED driver constant current
Supply voltage (mains)	100-240V 50/60Hz
Driver expected lifetime	50.000 hours (@TC = 65° C)
Total power consumption	2.4 W
LED current	700 ma DC (±5%)
Dimmer systems applicable	Pot, PUSH (mains)

Light source

Applied LED	Cree
LED expected lifetime	>50.000 hours @Ta = 25° C
Typical CCT	3000K
Typical Ra (CRI ₁₋₈)	97+

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Surface mounting

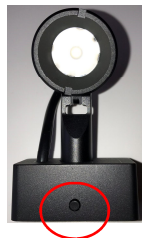


Mount the track (se user manuel 9908 2147) and place the product on the track.



Connect driver and main power (100-240V)

Local dimming Ara 5+



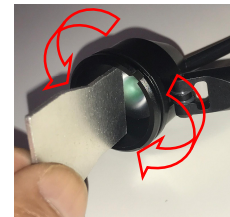
Each head can be dimmed individually by pressing the button on the base of the fixture. Will change the state of the fixture. The fixture can cycle between 3 states : Max intensity » Memorized intensity » Min intensity.
By keeping the button pressed it will adjust the dimming level. Dimming level is memorized when button is released, and set the fixture in memorized state.
The fixture will only dim to the lowest possible light output.
By application of the master dimmed at the dim to 0 as achieved.

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Lens mounting



Easily mount the lens by screwing it into the fixture



When adjusting the 48°/8° lens use the narrow end of lens tool A (accessor)

Don't touch the lens surface.

Installing accessories

You can mount a film filter using filter clip A (accessories).
Dimension : Ø28*0.4 mm
To ensure the most durable solution only use filters from recognized suppliers. (Lee, Rosco, etc)



Place the filter in the holder and press the holder onto the lens

NB. The film technology is not a durable solution and will fade.