

# RobLight



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## Ara 2 Series

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User manual

## Product overview/unboxing

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1 Ara 2  
1 User manual

### Applies to :

1143 3210	Ara 2 70 3000K-G1 black
1143 3220	Ara 2 70 3000K-G1 grey
1143 3230	Ara 2 70 3000K-G1 white
1143 3211	Ara 2 70 3000K-G2 black
1143 3221	Ara 2 70 3000K-G2 grey
1143 3231	Ara 2 70 3000K-G2 white

## Installation instructions

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Follow the installation instructions to ensure

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

## Technical data

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### General

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Material	Aluminium
Dimensions (L x H x W)	Ø50 x 33 mm
Dist. between driver and LED	2m standard, other lengths on request
Weight (total)	80 g
Safety	CE, RoHS, WEEE
Electrical topology	Serial connection

### Environmental

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Protection rating	IP20
Cooling	Natural convection
Ambient temperature	40°C

### Driver/electrical

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Driver	LED driver constant current
Driver size (L x H x W)	Depends on driver solution (see accessories)
Supply voltage (mains)	100-240V 50-60 Hz
Driver expected lifetime	>50000h
Dimmer systems applicable	1-10V, PUSH (mains)
LED current	500 ma DC (±5%)
Total power consumption	2.4W

### Light source

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Applied LED	Cree
LED expected lifetime	>50000h @ Ta=25°C
Typical CCT	3000K, other CCT on request
Typical Ra (CRI <sub>1,8</sub> )	90

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## Surface mounting

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Make a Ø40 mm hole



Install Ara using the springs

The Ara 1 requires some free space for installation, between the light source and ceiling.



Connect driver.  
Driver with multiple connections use jumper if not in use

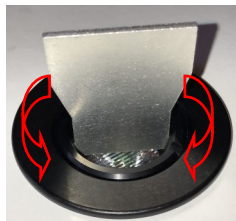


Connect main power  
(100-240V)

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## Lens mounting

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Easily mount the lens by screwing it into the fitting

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

**Don't touch the lens surface.**

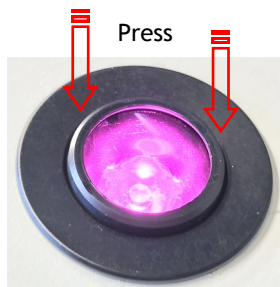
## Installing accessories

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You can mount a film filter using filter clip A (accessories).

Dimension : Ø28\*0.4 mm (Max thickness 1.5 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.

## 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 2A 3W	700 mA. Plug-and-play LED driver 1-2 connections	1148 0001
	Driver set 2A 15W	700 mA. Plug-and-play LED driver 4-8 connections 1-10 V dimming	1148 0002
	Filter	Colour filter Ø28*0,4 mm	On request
	Ara snoot 50 mm black		1148 8016
	Barn doors Ara black		1148 8012

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## Application notes

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The light generator is an electronic device and must be handled accordingly. 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 about or and the expected lifetime of the key components, are at the temperatures that the suppliers have performed during their standardized tests in clean environments.

The light generator is designed to run at max ambient temperature, but the longest usable operation is achieved with 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 polyconnector is the most stressed part of this system. Care should be taken to ensure that the fibre ends are 100% clean and free from dust and grease (fingerprint will do damage.). See [www.rob-light.com](http://www.rob-light.com) for recommendations to clean fibre ends.

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

**KEEP COOL**

**CLEAN AIR**

## Maintenance, spare parts & repairs

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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 changed by a trained technician.

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## Troubleshooting

Problem	Trace the problem	Solution
No light	Check the power	Connect the power cord properly and turn on the device
	Check the wiring	Unplug the main. Check connectors on the connections tree is attached to a product or a jumper. Turn on the power
	Check the dimming	Unplug the main. Unplug the dimmer system from the driver. Turn on the power
Light output has diminished	Check if the light has been dimmed via a dimmer?	Increase brightness to the normal level
	Check the operating conditions of the light engine	If the light engine has been running at elevated temperatures for an extended time, a decrease in the output will be observed