

# RobLight

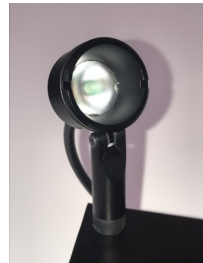
User manual

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## Ara 3 Series



**Ara 3 F**



**Ara 3 M**

### Applies to :

1141 3110	Ara 3 F 3000K-G1 black
1141 3120	Ara 3 F 3000K-G1 grey
1141 3130	Ara 3 F 3000K-G1 white
1147 3110	Ara 3 M 3000K-G1 black
1147 3120	Ara 3 M 3000K-G1 grey
1147 3130	Ara 3 M 3000K-G1 white
1141 3111	Ara 3 F 3000K-G2 black
1141 3121	Ara 3 F 3000K-G2 grey
1141 3131	Ara 3 F 3000K-G2 white
1147 3111	Ara 3 M 3000K-G2 black
1147 3121	Ara 3 M 3000K-G2 grey
1147 3131	Ara 3 M 3000K-G2 white

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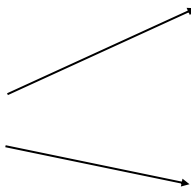
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## Product overview/unboxing

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**FOLLOW THE INSTALLATION INSTRUCTIONS TO ENSURE**

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

## Technical data

General	G1	G2
Material	Aluminium	
Dimensions (L x H x W)	Ø29 x 44 x 76 mm	
Dist. between driver and LED	2m standard, other lengths on request	
Weight (total)	60 g	
Safety	CE, RoHS, WEEE	
Electrical topology	Serial connection	

## Environmental

Protection rating	IP20
Cooling	Natural convection
Ambient temperature	40 °C

## Driver/electrical

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	1.7W	1.7W

## Light source

Applied LED	Cree	Osram
LED expected lifetime	>50000h @ Ta=25 °C	>50000h @ Ta=25 °C
Typical CCT	3000K, other CCT on request	3000K
Typical Ra (CRI <sub>1-3</sub> )	90	95

## Surface mounting

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Ara 3F:



Make a  $\varnothing 10$  mm hole

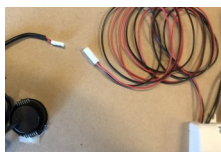


Install Ara and tighten the nut on the backside.

Ara 3M:



Place the Ara 3 M on a steel plate, if required, make a hole for the wire.



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



Connect main power (100-240V)

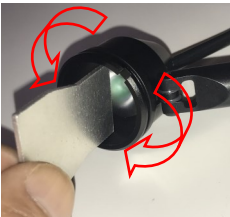


## Lens mounting

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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)

**Dont 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	Spot 10	1148 0100
	Lens A 10° grey		1148 0105
	Lens A 10° white		1148 0106
	Lens A 20° black	Narrow 20	1148 0300
	Lens A 20° grey		1148 0305
	Lens A 20° white		114800306
	Lens A 30° black	Medium 30	1148 0500
	Lens A 30° grey		1148 0505
	Lens A 30° white		1148 0506
	Lens A 48° /8° black	Oval 48/8	1148 0400
	Lens A 48° /8° grey		1148 0405
	Lens A 48° /8° white		1148 0406
	Lens tool A	For mounting/removing lenses	1148 0007
	Filter clip A black	Mounting ring for colour filters	1148 0006
	Driver set 3A 6W	500 mA. Plug-and-play LED driver 1 connection 1-10V dimming	1148 0012
	Driver set 3A 6W	500 mA. Plug-and-play LED Driver 2-4 connection 1-10V dimming	1148 0004
	Driver set 3A 25W	500 mA. Plug-and-play LED driver 4-8 connection 1-10V dimming	1148 0003
	Filter	Colour filter Ø28*0,4 mm	On request
	Ara snoot 50 mm black		1148 8016
	Barn doors Ara black		1148 8012
	Ara extension rod 100 mm black	Only for Ara 3 F	1148 8017

## Application notes

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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. temperature, 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.



## 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 interchanged 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

*If problems are not solved using this guide  
please contact RobLight A/S  
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# RobLight

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