COOLON
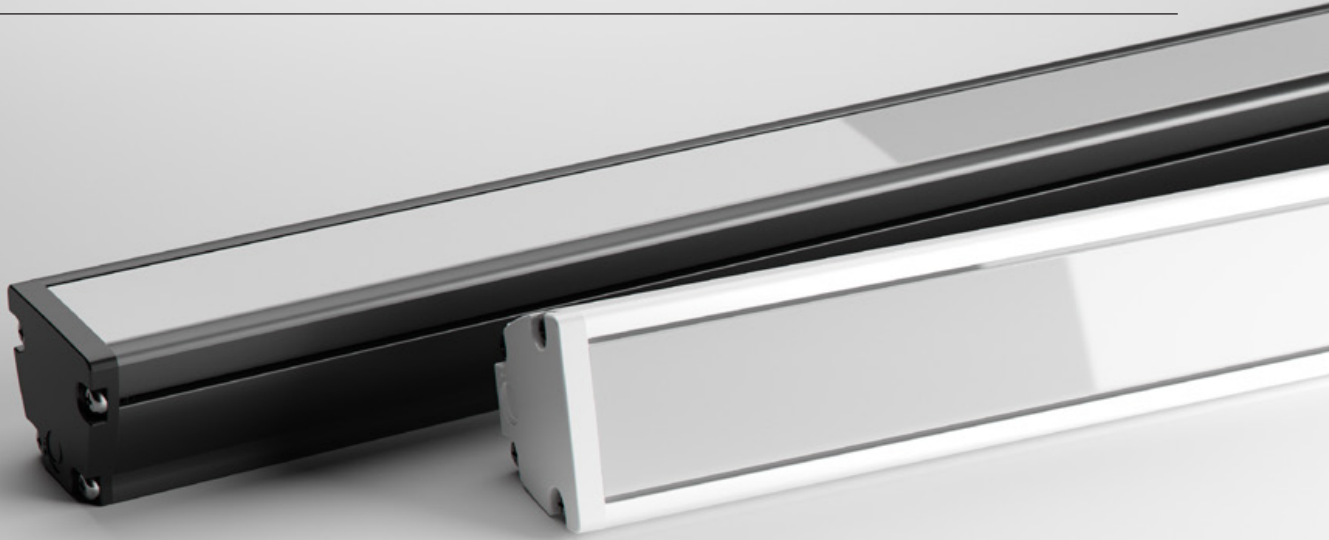
MAX MINI RGBW

Max Mini RGBW is a compact and versatile architectural luminaire with a profile of only 36.5x30mm and various lineal lengths.

The profile is fitted with a uniform glow diffuser, so no LEDs are visible along its length - making it perfect for visible applications.

POWER	LUMINOUS FLUX
40W 38.4W / metre	

RGBW · Varies with colour (900 lm / metre max) *

RGBW FULL COLOUR

* Output for full RGBW brightness

COMPACT SIZE

The reduced profile dimensions allow for ease of installation in confined spaces that could not be achieved with previous halogen counterparts. When installed in visible sight, Max Mini RGBW also pays respect to the interior design with minimal disruption to the aesthetics.

30mm

CUSTOMISATION AT ITS BEST

Max Mini RGBW is a highly versatile and customisable luminaire. Select from a number of linear lengths, LED colours, profile colours and mounting options. Max Mini RGBW can be used a marker luminaire or a flood light.

L70
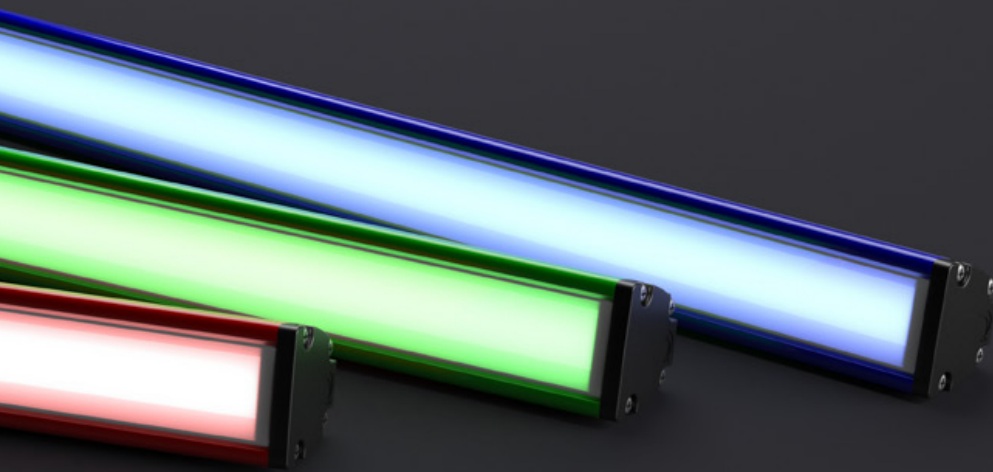
LONG OPERATING LIFE

Coolon products use the world's most reputable LED manufacturers and the latest available standards to adequately report lumen maintenance. We strive to drive LEDs under their nominal current and use state-of-the-art heat dissipation methods, leading to durable electronics.

VARIOUS CCT & COLOUR BINNING CONSISTENCY

All products are offered in various colour temperatures, and manufactured using tighter bins, ensuring excellent consistency and uniformity.

5 YEARS

5 YEARS WARRANTY

Coolon luminaires are covered by a solid comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.
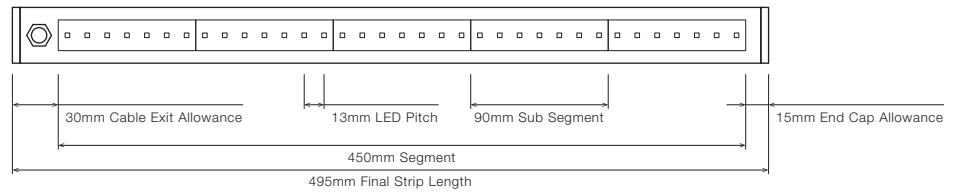
PROUDLY MADE IN AUSTRALIA

Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.
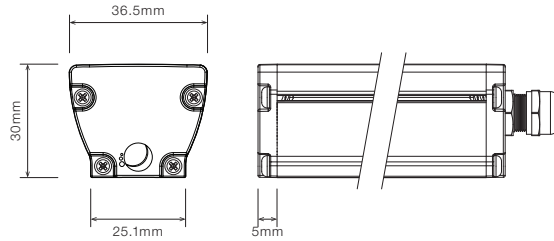
TECHNICAL SPECIFICATIONS

Product Code	LNR-MAX MINI RGBW
Description	Max Mini RGBW Linear Medium Power Projector
Body	Aluminium Alloy Body
Finish	Powder Coated Black (Standard), Various Colours Available
Cover	Polycarbonate Diffused for Indoor Applications
End Caps	Polycarbonate
Segment Length (S)	450mm
Sub-Segment Length (A)	90mm
Number of Sub-Segments	5
LED Pitch	13mm
LEDs Per Sub Segment	7
Operating Voltage	24VDC
Typical Power Consumption per Metre	38.4W per Metre
Typical Current	720mA per 450mm Segment
Colour Rendering Index (CRI)	80+
Dimming / Control	Through DRV-RDM-P4 or RDM-IP-P4 (sold separately)
Luminous Flux per Metre (lm/M)	Varies with colour - 900 lm / metre max (output for full RGBW brightness)
External Heatsink Required	No
Ambient Operating Temp	Ta -10°C to 40°C
Thermal Protection	Yes
Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours
IP Rating	IP40 (Standard)
Max Continuous Connection Length	Please refer to installation limitations

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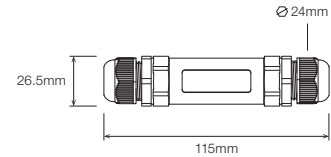archsales@coolon.com.au   **aus.** 1300 287 533   **intl.** +613 8681 3633   www.coolon.com.au   Version 1.7
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▪ DIMENSIONS

For final strip lengths please refer to the "Product Length" table.

| 30mm Cable Exit Allowance | 13mm LED Pitch | 90mm Sub Segment | 15mm End Cap Allowance |

450mm Segment
495mm Final Strip Length

STANDARD PROFILE

36.5mm
30mm
25.1mm
5mm

CABLE EXTENSION JOINER

Ø 24mm
26.5mm
115mm

STAINLESS STEEL C-CLIP [1]

36.5mm
31.6mm
Minimum 12mm screw
25.1mm

Ø3.5mm
11.4mm
6.8mm
5mm
20mm
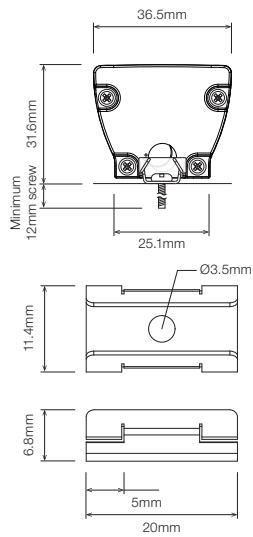
ROTATING MOUNTING BRACKET, TYPE A/B ROTATING CLIP [1]
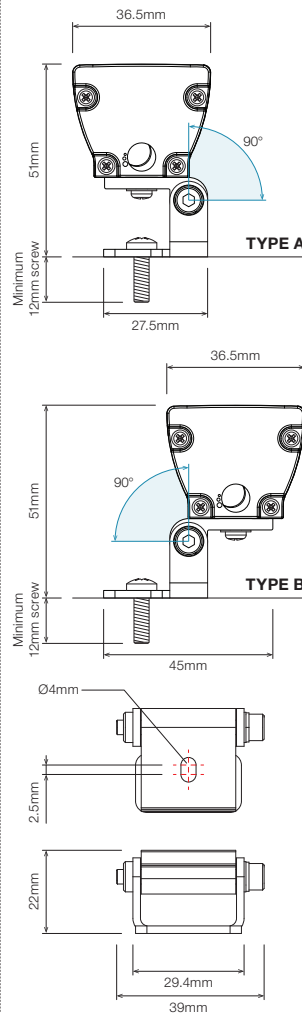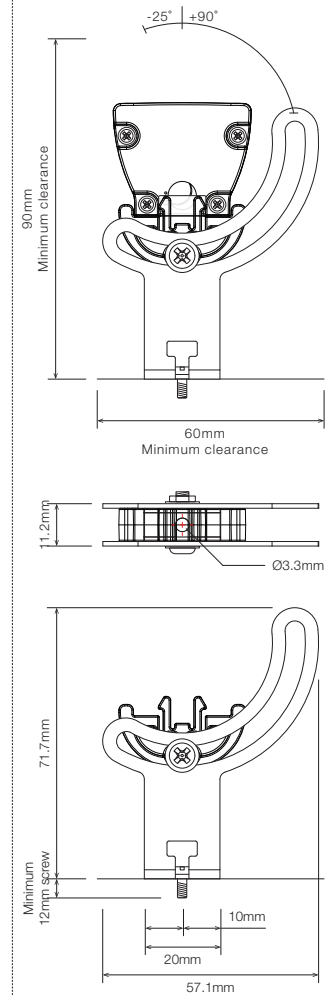
36.5mm
51mm
90°
TYPE A
Minimum 12mm screw
27.5mm

36.5mm
51mm
90°
TYPE B
Minimum 12mm screw
45mm

Ø4mm
2.5mm
22mm
29.4mm
39mm

ELEVATED ROTATING MOUNTING BRACKET [1] [2]

-25° +90°
90mm Minimum clearance
60mm Minimum clearance

11.2mm
Ø3.3mm

71.7mm
Minimum 12mm screw
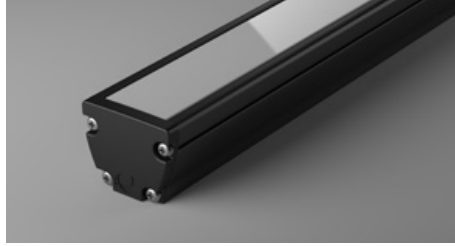10mm
20mm
57.1mm

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[1] Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.

[2] Elevated rotating bracket is the only suitable option when wire from back is required.

▪ PRODUCT LENGTH

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	FINAL LENGTH
S0	A1	90mm	135mm
S0	A2	180mm	225mm
S0	A3	270mm	315mm
S0	A4	360mm	405mm
S1	A0	450mm	495mm
S1	A1	540mm	585mm
S1	A2	630mm	675mm
S1	A3	720mm	765mm
S1	A4	810mm	855mm
S2	A0	900mm	945mm
S2	A1	990mm	1,035mm
S2	A2	1,080mm	1,125mm
S2	A3	1,170mm	1,215mm
S2	A4	1,260mm	1,305mm
S3	A0	1,350mm	1,395mm
S3	A1	1,440mm	1,485mm
S3	A2	1,530mm	1,575mm
S3	A3	1,620mm	1,665mm
S3	A4	1,710mm	1,755mm
S4	A0	1,800mm	1,845mm
S4	A1	1,890mm	1,935mm
S4	A2	1,980mm	2,025mm
S4	A3	2,070mm	2,115mm
S4	A4	2,160mm	2,205mm
S5	A0	2,250mm	2,295mm
S5	A1	2,340mm	2,385mm
S5	A2	2,430mm	2,475mm
S5	A3	2,520mm	2,565mm
S5	A4	2,610mm	2,655mm
S6	A0	2,700mm	2,745mm
S6	A1	2,790mm	2,835mm
S6	A2	2,880mm	2,925mm

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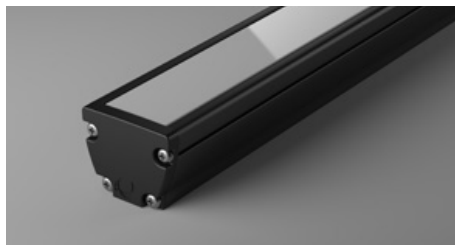
- DIFFUSER

SD · Standard Diffused - Uniform Glow

- PROFILE
  COLOUR

BLK · Black

WHT · White
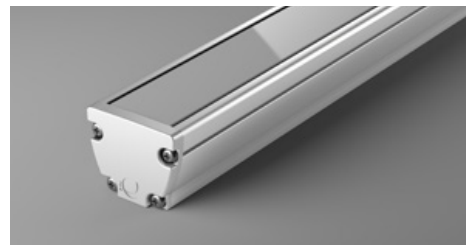
CST · Custom Colour [1]

[1]   Custom colours available on request

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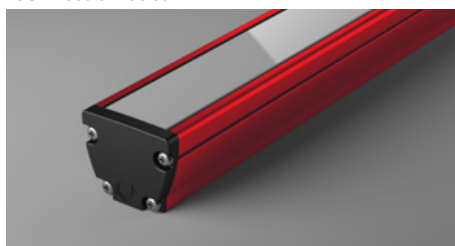
▪ WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
OC6MO Outdoor Connector 6 pin Male Only		⊚	
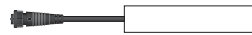
▪ Typical wiring length 1,000mm with cable's outer diameter 5.8mm

▪ Supplied with mating connector and 3,000mm cable

▪ Please consult Coolon for details on extension cables between LED fittings, drivers and PSUs.

WIRING COLOUR CODE	
Orange / Yellow	+ VDC
Red	- RED
Green	- GREEN
Blue	- BLUE
White	- WHITE

▪ WIRING POSITION

WB - Wire from back

Ideal for fittings installed back-to-back or limited spaces.

WS - Wire from Side

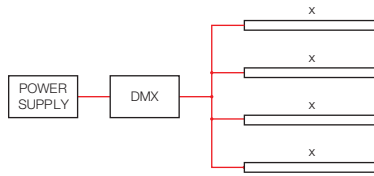Ideal for fittings installed individually or vertically.

▪ IP RATING

IP40

Protected against solid
objects greater than 1mm.
No protection against liquids.
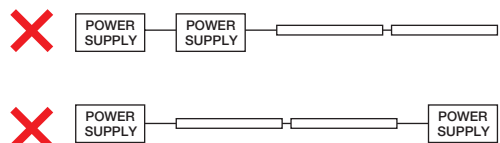
▪ INSTALLATION LIMITS

SCENARIO 1

| POWER SUPPLY | — | DMX | — | x |

SCENARIO 2

POWER SUPPLY	—	DMX	—	x
				x
				x
				x

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
3,000 mm	With standard outdoor 6 pin connectors (OC6MO)

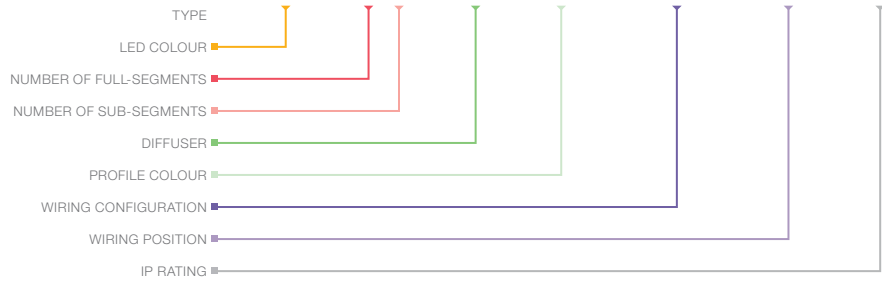▪ Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

⚠ **WARNING**

Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

❌ | POWER SUPPLY | POWER SUPPLY |

❌ | POWER SUPPLY | ... | POWER SUPPLY |

■ ORDERING EXAMPLE

LNR - MAX MINI RGBW - WW - S2A0 - SD - BLK - OC6MO - WB - IP40

TYPE
LED COLOUR
NUMBER OF FULL-SEGMENTS
NUMBER OF SUB-SEGMENTS
DIFFUSER
PROFILE COLOUR
WIRING CONFIGURATION
WIRING POSITION
IP RATING

■ LED COLOUR

WW	RGB + Warm White
CW	RGB + Cool White

■ PRODUCT LENGTH PAGE 06

FULL SEGMENTS	SUB SEGMENTS
S1	A0
S2	A1
S3	A2
S4	A3
S5	A4
S6	

■ DIFFUSER PAGE 07

SD	Standard Diffused - Uniform Glow

■ PROFILE COLOUR PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour [1]

■ WIRING CONFIGURATION PAGE 08

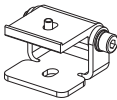| OC6MO	Outdoor Connector 6 pin Male Only

■ WIRING POSITION PAGE 08

WB	Wire from Back
WS	Wire from Side

■ IP RATING PAGE 08

IP40	Indoor Use

[1] Custom colours available on request
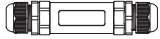
▪ ACCESSORIES

PRODUCT CODE	DESCRIPTION
MOUNTING [1]	
MC-CCLIP	Stainless Steel C-Clip
MBR-RB-TA-MAX-BLK	Rotating Bracket, TYPE A Rotating Clip - Black
MBR-RB-TB-MAX-BLK	Rotating Bracket, TYPE B Rotating Clip - Black
MBR-PMAX-E-BLK	Elevated Rotating Mounting Bracket for Max Mini - Black
MBR-PMAX-E-WHT	Elevated Rotating Mounting Bracket for Max Mini - White

[1] Recommended spacing between Mounting Brackets is maximum 500mm and Mounting Clips is maximum 300mm.

PRODUCT CODE	DESCRIPTION
DRIVER	
DRV-RDM-P4	DMX/RDM 4 Channel LED Driver
DRV-RDM-IP-P4	Outdoor DMX/RDM 4 Channel LED Driver
DRV-RDM-IPQC-P4	Outdoor DMX/RDM 4 Channel LED Driver + Quick Connect
DRV-RDM-IPQC05-P4	Outdoor DMX/RDM 4 Channel LED Driver + Quick Connect
POWER SUPPLY	
PWR-HLG-60H-24AU	Mean Well Power Supply HLG 60W 24V IP67
PWR-HLG-150H-24AU	Mean Well Power Supply HLG 150W 24V IP67
PWR-HLG-240H-24AU	Mean Well Power Supply HLG 240W 24V IP67
CABLE EXTENSIONS	
CBLEXT-LNR-OC6F-IP65-1M	1m Length, 6 Core Leader Cable with outdoor female connector and lose wires
CBLEXT-LNR-OC6F-IP65-3M	3m Length, 6 Core Leader Cable with outdoor female connector and lose wires
CBLEXT-LNR-OC6F-IP65-5M	5m Length, 6 Core Leader Cable with outdoor connector and lose wires
CBLEXT-LNR-OC6F-IP65-10M	10m Length, 6 Core Leader Cable with outdoor connector and lose wires