COOLON

MAX MINI C IP

Max Mini C IP is a medium-power outdoor luminaire with precision optics - available in a range of vibrant, static colours. Pure static colour is provided without the need for external control, for maximum efficacy and high impact.

Unique encapsulation methods result in a robust outdoor luminaire, and a range of brackets ensure easy installation and accurate aiming.

POWER	LUMINOUS FLUX	
33W 33W / metre	 **PC**	 **ML**

COLOURS

Blue	Green	Red	Amber

COMPACT SIZE

Reduced profile dimensions allows for ease of installation in confined spaces that could not be achieved with previous halogen counterparts. Installed in visible sight the Max Mini C IP also pays respect to the interior design with minimal disruption to the aesthetics.

30mm

OPTICAL VARIATIONS

The high power range comes in a range of optical variations, offering the ability to maximise the effective performance in each particular application.

L90

LONG OPERATING LIFE

Coolon products use world's most reputable LED manufacturers and the latest available standard to adequately report luminaire 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

Product is offered in various Colour Temperatures using tighter bins.

5 YEARS

5 YEARS WARRANTY

Coolon Luminaires are covered by a solid comprehensible manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.

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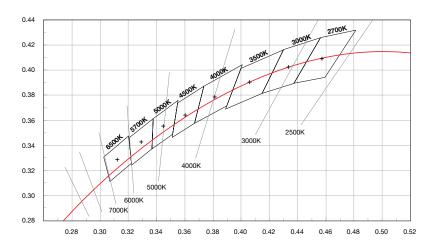
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

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■ TECHNICAL SPECIFICATIONS

	BLUE	GREEN	RED	AMBER
Product Code	LNR-MAX MINI C IP			
Description	Max Mini C IP Linear Medium Power Projector			
Body	Aluminium Alloy Body			
Finish	Powder Coated Black (Standard), Various Colours Available			
Cover	Polycarbonate			
End Caps	Polycarbonate			
Segment Length (S)	240mm			
Segment Width	22mm			
LED Pitch	40mm			
LEDs Per Segment	6			
Operating Voltage	24VDC			
Typical Power Consumption per Segment	7.92W per 240mm Segment			
Typical Power Consumption per metre	33.0W per metre			
Typical Current	330mA per 240mm Segment			
Colour Rendering Index (CRI)	90+			
Dimmable	Through CTR-A2PWM 0-10V, CTR-DIMMERLOGIC, CTR-DALILOGIC or CTR-DALILOGIC-IP (sold separately)			
Luminous Flux per Metre (lm/m)	1600lm/metre			
External Heatsink Required	No			
Ambient Operating Temp	Ta -10°C to 50°C			
Thermal Operating	Yes (Active)			
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, I_f = 500mA)	L70 (18K) > 109,000 hours L90 (18K) > 103,000 hours Max Mini max. operating values (@ Ts = 50°C, I_f = 325mA)			
IP Rating	IP66 (Standard)			
Max Continuous Connection Length	Please refer to installation limitations			
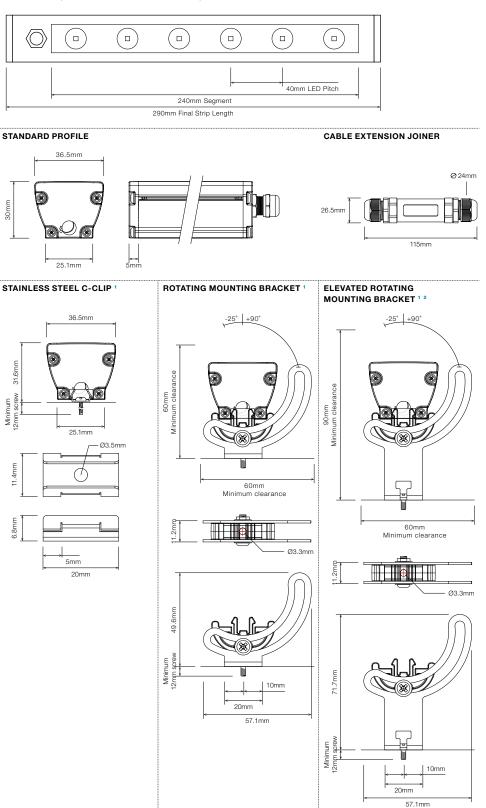
■ COLOUR BINNING

DIMENSIONS

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

40mm LED Pitch

240mm Segment

290mm Final Strip Length

STANDARD PROFILE

36.5mm

30mm

25.1mm

5mm

CABLE EXTENSION JOINER

∅ 24mm

26.5mm

115mm

STAINLESS STEEL C-CLIP [1]

36.5mm

31.6mm

Minimum 12mm screw

25.1mm

∅3.5mm

11.4mm

6.8mm

5mm

20mm

ROTATING MOUNTING BRACKET [1]

-25° | +90°

60mm Minimum clearance

60mm Minimum clearance

11.2mm

∅3.3mm

49.6mm

Minimum 12mm screw

10mm

20mm

57.1mm

ELEVATED ROTATING MOUNTING BRACKET [1] [2]

-25° | +90°

90mm Minimum clearance

60mm Minimum clearance

11.2mm

∅3.3mm

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	EXACT STRIP LENGTH	FINAL LENGTH
S1	240mm	290mm
S2	480mm	530mm
S3	720mm	770mm
S4	960mm	1,010mm
S5	1,200mm	1,250mm
S6	1,440mm	1,490mm
S7	1,680mm	1,730mm
S8	1,920mm	1,970mm
S9	2,160mm	2,210mm
S10	2,400mm	2,450mm
S11	2,640mm	2,690mm
S12	2,880mm	2,930mm

- ## POLAR DISTRIBUTION

OPTIC	BEAM ANGLE	POLAR DISTRIBUTION
L07	14° Beam	
L25	50° Beam	
F5010	Flare 100° x 20° Beam	
O209	Oval 40° x 18° Beam	

▪ DIFFUSER

PC · Polyurethane Clear

ML · Micro Louvre

▪ PROFILE
COLOUR

BLK · Black

WHT · White

CST · Custom Colour [1]

[1] Custom colours available on request

▪ WIRING
CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
OC2.2MO Outdoor Connector 2.2pin Male Only		⬤	
SMPLC.1 Sample Type Connector 2.5mm		⬤	

▪ Typical wiring length 1,000mm.

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

WIRING COLOUR CODE	
Red	+ VDC
Black	GND
White	Dimming

▪ WIRING
POSITION

WB - Wire from back

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

WS - Wire from Side

Ideal for fittings installed individually or vertically.

▪ IP RATING

IP66

Fully protected against dust.
Protected against wave-like
water jets from all directions.
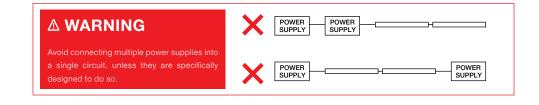
▪ INSTALLATION LIMITS

SCENARIO 1

MAX. CONTINUOUS CONNECTION LENGTH (X)	CONNECTOR TYPE
2,930 mm	With standard 2+1 bare wires (WR2.1OS)
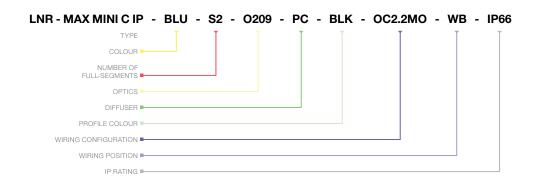
▪ Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

⚠ WARNING

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

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■ ORDERING EXAMPLE

LNR - MAX MINI C IP - BLU - S2 - O209 - PC - BLK - OC2.2MO - WB - IP66

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

■ COLOUR PAGE 04

BLU	Blue
GRN	Green
RED	Red
AMB	Amber

■ PRODUCT LENGTH PAGE 06

S1	290mm
S2	530mm
S3	770mm
S4	1,010mm
S5	1,250mm
S6	1,490mm
S7	1,730mm
S8	1,970mm
S9	2,210mm
S10	2,450mm
S11	2,690mm
S12	2,930mm

■ OPTICS PAGE 06

L07	14° Beam
L25	50° Beam
F5010	Flare 100° x 20° Beam
O209	Oval 40° x 18° Beam

■ DIFFUSER PAGE 07

PC	Polyurethane Clear
ML	Micro Louvre

■ PROFILE COLOUR PAGE 07

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

■ WIRING CONFIGURATION PAGE 08

OC2.2MO	Outdoor Connector 2.2pin Male Only
SMPLC.1	Sample Type Connector 2.5mm

■ WIRING POSITION PAGE 08

WB	Wire from Back
WS	Wire from Side

■ IP RATING PAGE 08

IP66	Outdoor Use

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[1] Custom colours available on request

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▪ ACCESSORIES

PRODUCT CODE	DESCRIPTION
MOUNTING [1]	
MC-CCLIP	Stainless Steel C-Clip
MBR-PMAX-BLK	Rotating Mounting Bracket for Max Mini - Black
MBR-PMAX-WHT	Rotating Mounting Bracket for Max Mini - White
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.

CONTROLLER	
CTR-A2PWM 0-10V	Analogue to PWM converter for 0-10V dimming signal
CTR-DIMMERLOGIC	Coolon Universal Wall Dimmer with 0-10V and PWM Logic Output
CTR-DALI-LOGIC	Indoor DALI Point 1 channel Driver with PWM Logic Output
CTR-DALILOGIC-IP	Outdoor DALI Point 1 channel Driver with PWM Logic Output

POWER SUPPLY FOR OUTDOOR USE	
PWR-HLG40-24V	Mean Well Power Supply HLG 40W 24V
PWR-HLG60-24V	Mean Well Power Supply HLG 60W 24V
PWR-HLG100-24V	Mean Well Power Supply HLG 100W 24V
PWR-HLG150-24V	Mean Well Power Supply HLG 150W 24V
PWR-HLG240-24V	Mean Well Power Supply HLG 240W 24V
PWR-HLG320-24V	Mean Well Power Supply HLG 320W 24V

CABLE EXTENSIONS	
CBLEXT-LNR-WR2.1-IP65-3M	3m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner
CBLEXT-LNR-WR2.1-IP65-5M	5m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner
CBLEXT-LNR-WR2.1-IP65-10M	10m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner
CBLEXT-LNR-WR2.1-IP65-20M	20m Length, 3 Core RBW 16AWG Cable Extension with outdoor joiner