COOLON

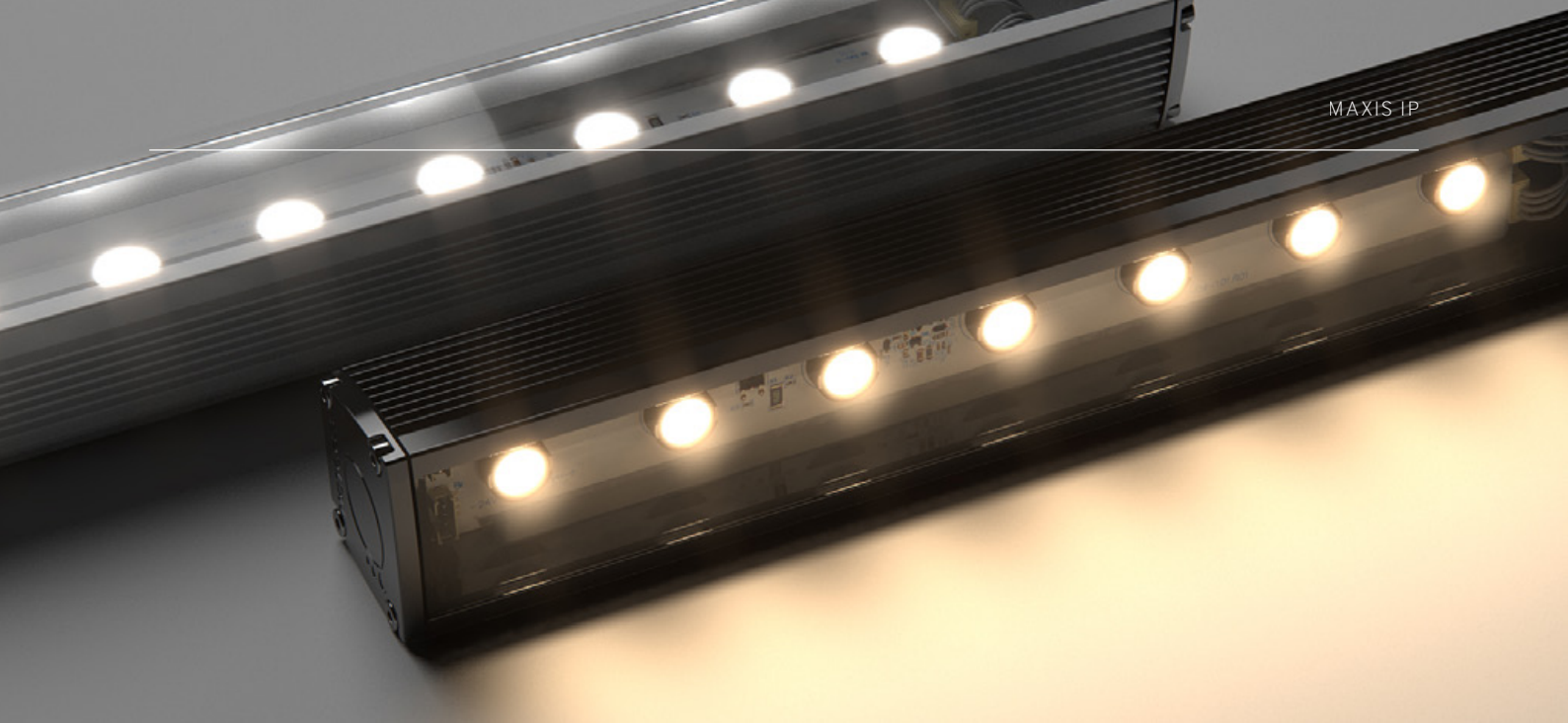# MAXIS IP

LINEAR HIGH POWER PRJ-MAXIS IP

Maxis IP is a high-power exterior linear LED floodlight. Offered in a range of optics, colour temperatures and static colour outputs, Maxis IP is the ideal luminaire for exterior wall washing and grazing applications.

This luminaire is further enhanced by many finishing options allowing the luminaire to either make a bold statement or simply blend into its surrounds.

Maxis IP is fully encapsulated with polyurethane resin for superior longevity in outdoor environments.

POWER	LUMINOUS FLUX
60W 60W / metre	 **PC** · 3,950 – 4,640 lm / metre[1]

COLOUR TEMPERATURE

2700K	3000K	3500K	4000K

[1] Measured at 3000K CRI / Black Profile

ON-BOARD PWM DIMMING CONTROL

The on-board PWM feature allows for accurate and gradual dimming and is a no cost added feature on Maxis IP.

ELEGANT ENCAPSULATION

Maxis IP utilises Coolon's encapsulation technology and signature build quality to deliver an outdoor luminaire that's uniquely resilient. IP66, IK08, shock and abrasion resistance and thermal protection just add to the appeal of this versatile all-star.

L90

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.

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▪ TECHNICAL SPECIFICATIONS

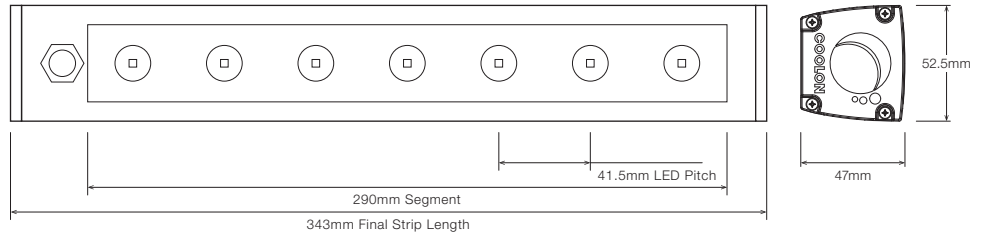|	
Product Code	PRJ-MAXIS IP
Description	Maxis IP Linear High Power Projector
Body	Aluminium Alloy Body
Finish	Powder Coated Black (Standard), Various Colours Available
Cover	Polyurethane Clear for Outdoor applications
End Caps	Polycarbonate
LEDs Per Segment	7
Operating Voltage	24VDC
Typical Power Consumption per Segment	17.52W per 290mm Segment
Typical Power Consumption per Metre	60W per Metre
Typical Current	730mA per 290mm Segment
Colour Rendering Index (CRI)	80+
Max Continuous Connection Length	Please refer to installation limitations
Dimmable	Through CTR-A2PWM 0-10V, CTR-DIMMERLOGIC, CTR-DALILOGIC or CTR-DALILOGIC-IP (sold separately)
Ambient Operating Temp	Ta -40°C to 50°C
Thermal Management	Yes (Active)
Reported Lumen Maintenance TM21-11 (@ Ts = 55°C, I$_f$ = 1000mA)	L70 (18K) > 99,800 hours L90 (18K) > 45,600 hours Maxis IP max. operating values (@ Ts = 60°C, I$_f$ = 730mA)
IP Rating	IP66 (Standard)

▪ COLOUR TEMPERATURE
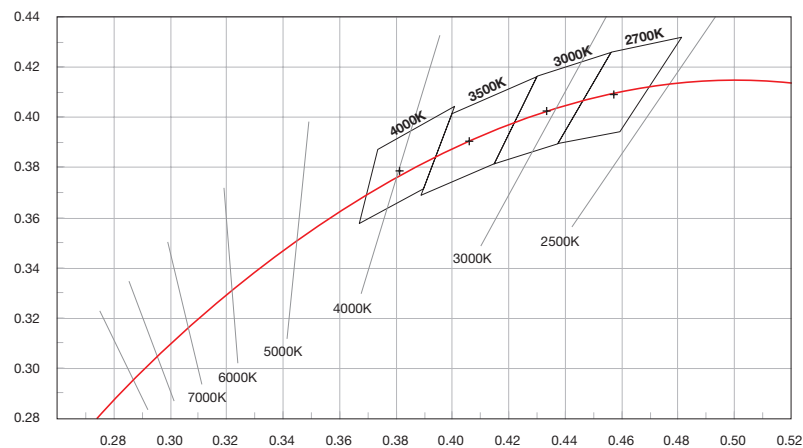
▪ LUMEN / METRE MATRIX

60W 60W / metre	2700K	3000K	3200K	4000K
POWER	LUMINOUS FLUX			
PC Profile (White, 14D Optics)	NM	4,580 lm / metre	NM	NM
PC Profile (White, 30D Optics)	NM	4,270 lm / metre	NM	NM
PC Profile (White, 50D Optics)	NM	4,344 lm / metre	NM	NM
PC Profile (White, 04018D Optics)	NM	4,825 lm / metre	NM	NM
PC Profile (White, F10020D Optics)	NM	4,107 lm / metre	NM	NM
PC Profile (Black, 14D Optics)	NM	4,210 lm / metre	NM	NM
PC Profile (Black, 30D Optics)	NM	4,100 lm / metre	NM	NM
PC Profile (Black, 50D Optics)	NM	4,170 lm / metre	NM	NM
PC Profile (Black, 04018D Optics)	NM	4,640 lm / metre	NM	NM
PC Profile (Black, F10020D Optics)	NM	3,950 lm / metre	NM	NM

NM : Lumen output NOT MEASURED

▪ DIMENSIONS

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

52.5mm

47mm

41.5mm LED Pitch

290mm Segment

343mm Final Strip Length

CABLE EXTENSION JOINER
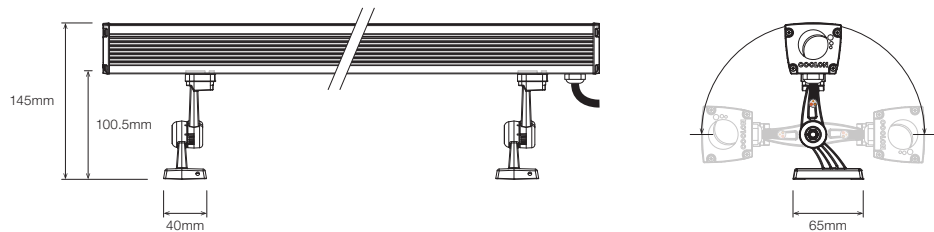
⌀ 24mm

26.5mm

115mm

FLAT MOUNTING BRACKET

57.5mm

10.5mm 40mm

96mm

25° ROTATING MOUNTING BRACKET

79mm

32mm

52mm

35mm

90° ROTATING MOUNTING BRACKET

101mm

53.5mm

52.4mm

35mm

ARCHITECTURAL SWIVEL BRACKET

145mm

100.5mm

40mm

65mm

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▪ PRODUCT
LENGTH

S1	343mm	
S2	636mm	
S3	929mm	
S4	1,222mm	
S5	1,515mm	
S6	1,808mm	
S7	2,101mm	
S8	2,394mm	
S9	2,687mm	
S10	2,980mm	

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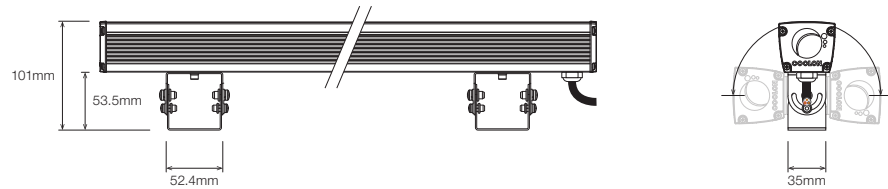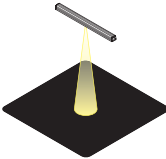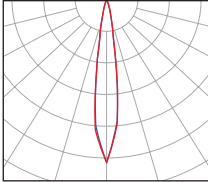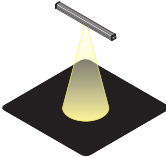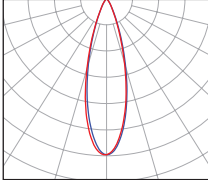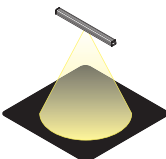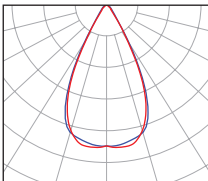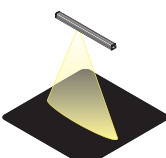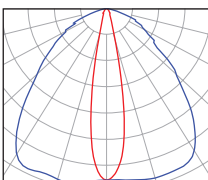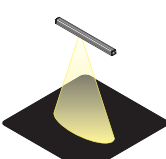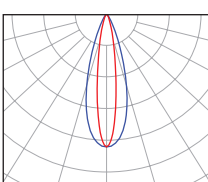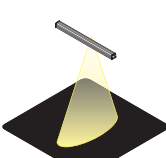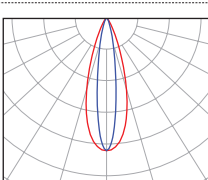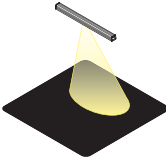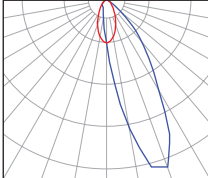
▪ POLAR DISTRIBUTION

OPTIC

POLAR DISTRIBUTION

14D

Narrow Beam
14° Beam Angle

30D

Medium Beam
30° Beam Angle

50D

Wide Beam
50° Beam Angle

F10020D

Flare Beam
Flare 100° x 20° Beam Angle

O4018D

Oval Beam
Oval 40° x 18° Beam Angle

R4018D

Oval Rotated Beam
Oval 18° x 40° Beam Angle

* On request only

A3020D

Asymmetric Forward Throw
Asymmetric 30° x 20° Beam Angle

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▪ DIFFUSER

PC · Polyurethane Clear

▪ PROFILE
  COLOUR

BLK · Black

WHT · White

CST · Custom Colour [1]

[1]   Custom colours available on request

▪ WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
OC2.1MO Outdoor Connector 3pin Male Only		⊛	
SMPLC.1 Sample Type Connector 2.5mm		● ◉	

▪ Typical wiring length 1,000 mm with cable's outer diameter 7.5mm.

▪ 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 back-to-back or limited spaces.

WS - Wire from Side

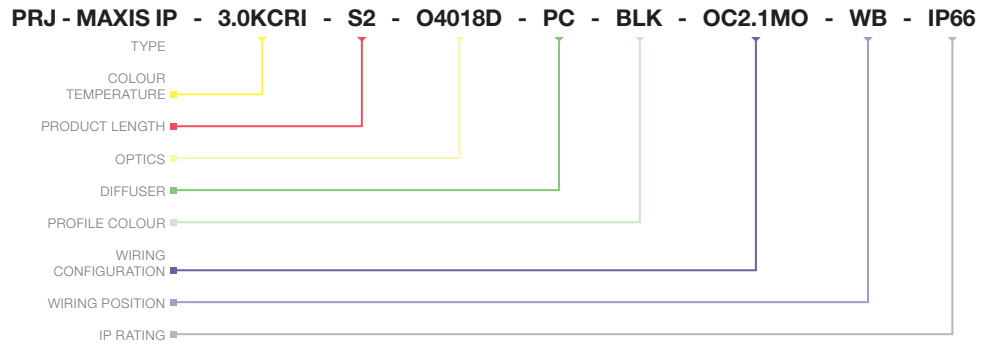Ideal for fittings installed individually or vertically.

▪ IP RATING

IP66

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

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▪ ORDERING EXAMPLE

PRJ - MAXIS IP - 3.0KCRI - S2 - O4018D - PC - BLK - OC2.1MO - WB - IP66

TYPE
COLOUR TEMPERATURE
PRODUCT LENGTH
OPTICS
DIFFUSER
PROFILE COLOUR
WIRING CONFIGURATION
WIRING POSITION
IP RATING

▪ COLOUR TEMPERATURE

2.7KCRI	2700K CRI 90
3.0KCRI	3000K CRI 90
3.5KCRI	3500K CRI 90
4.0KCRI	4000K CRI 90

▪ PRODUCT LENGTH

S1	343mm
S2	636mm
S3	929mm
S4	1,222mm
S5	1,515mm
S6	1,808mm
S7	2,101mm
S8	2,394mm
S9	2,687mm
S10	2,980mm

▪ OPTICS

14D	14° Beam
30D	30° Beam
50D	50° Beam
F10020D	Flare 100° x 20° Beam
O4018D	Oval 40° x 18° Beam
R4018D	Oval 18° x 40° Beam
A3020D	Asymmetric 30° x 20° Beam

▪ DIFFUSER

PC	Polyurethane Clear

▪ PROFILE COLOUR

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

▪ WIRING CONFIGURATION

OC2.1MO	Outdoor Connector 3pin Male Only
SMPLC.1	Sample Type Connector 2.5mm

▪ WIRING POSITION
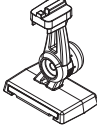
WB	Wire from Back
WS	Wire from Side

▪ IP RATING

IP66	Outdoor Use

[1] Custom colours available on request

▪ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING BRACKET [1]		
	MBR-PRJ-FLAT-BLK	Flat Mounting Bracket - Black
	MBR-PRJ-ST25-BLK	25 Degree Rotating Mounting Bracket - Black
	MBR-PRJ-ST25-WHT	25 Degree Rotating Mounting Bracket - White
	MBR-PRJ-ST90-BLK	90 Degree Rotating Mounting Bracket - Black
	MBR-PRJ-ST90-WHT	90 Degree Rotating Mounting Bracket - White
	MBR-PRJ-ARCH-BLK	Architectural Swivel Bracket - Black
	MBR-PRJ-ARCH-WHT	Architectural Swivel Bracket - White

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

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-DALILOGIC	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 (IP67)		
	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
	PWR-HLG-320H-24AU	Mean Well Power Supply HLG 320W 24V IP67

CABLE EXTENSIONS		
	CBLEXT-PRJ-WR2.1-IP65-3M	3m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBLEXT-PRJ-WR2.1-IP65-5M	5m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBLEXT-PRJ-WR2.1-IP65-10M	10m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBLEXT-PRJ-WR2.1-IP65-20M	20m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBLEXT-PRJ-OC2.1F-IP65-5M	5m Length, 3 Core Leader Cable with outdoor joiner and lose wires
	CBLEXT-PRJ-OC2.1F-IP65-10M	10m Length, 3 Core Leader Cable with outdoor joiner and lose wires