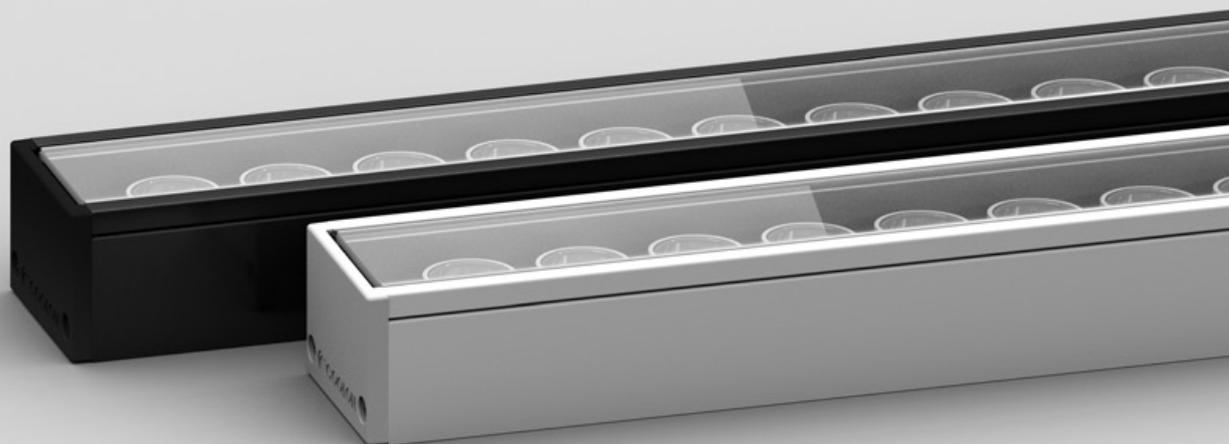


BEAM

LINEAR BEAM MOUNT PRJ-BEAM





Beam is a mounted linear LED projector specifically designed to be easily installed directly under a canopy support beam with the assistance of a custom-designed mounting profile.

Beam utilizes high-performance white LEDs from CREE to provide bright general illumination onto the projected area. A range of optics is available to shape the beam of light to suit each application.

POWER

LUMINOUS FLUX

60W

60W / metre



SC • 3,000 lm / metre

SD

COLOUR TEMPERATURE

2700K

3000K

3200K

4000K

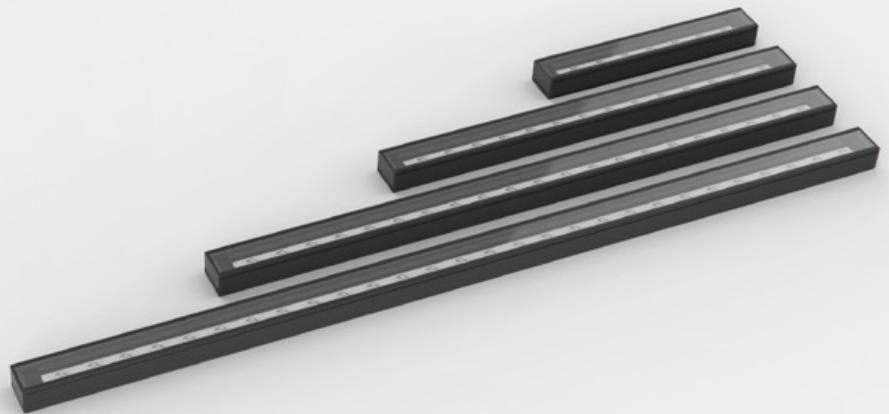


OPTICAL VARIATIONS

Beam comes in a range of optical variations, offering the ability to maximise performance in each unique application.

VERSATILE LENGTH OPTIONS

Versatile length options allow the user to achieve accurate and adaptable lengths. Beam can achieve any desired length in 343mm increments.



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 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.



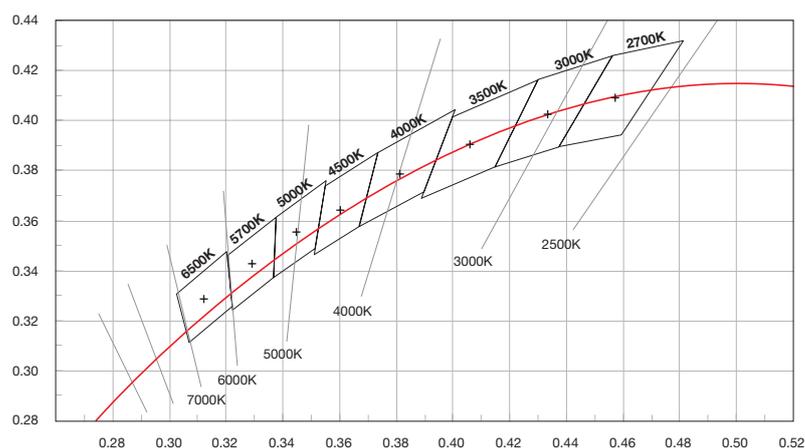
PROUDLY MADE IN AUSTRALIA

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

BEAM	
Product Code	PRJ-BEAM
Description	Beam Linear High Power Projector
Body	Aluminium Alloy Body
Finish	Powder Coated Black (Standard), Various Colours Available
Cover	Polycarbonate Clear & Polycarbonate Diffused for Indoor Applications
End Caps	Polycarbonate
LEDs Per Segment	7 (60W/m)
Operating Voltage	24VDC
Typical Power Consumption per Segment	10.8W per 290mm Segment
Typical Power Consumption per Metre	60W per Metre
Typical Current	450mA per 290mm Segment
Colour Rendering Index (CRI)	80+
Max Continuous Connection Length	Please refer to installation limitations
Dimmable	With DALI / PWM Logic / 0-10V (converter required)
Luminous Flux per Metre (lm/M)	3,000lm/Metre
External Heatsink Required	Yes
Ambient Operating Temp	Ta -10°C to 40°C
Thermal Operating	Yes (Active)
Reported Lumen Maintenance TM21-11 (@ Ts = 55°C, If = 1000mA)	L70 (18K) > 99,800 hours L90 (18K) > 45,600 hours
	Beam max. operating values (@ Ts = 60°C, If = 730mA)
IP Rating	IP40

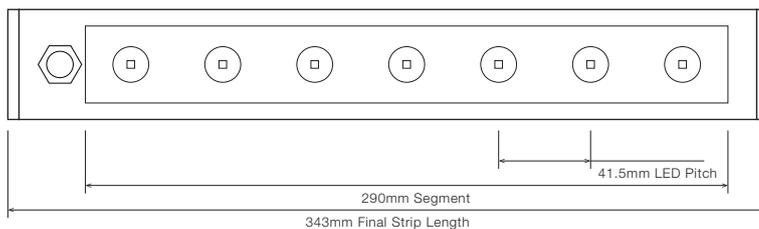
COLOUR TEMPERATURE



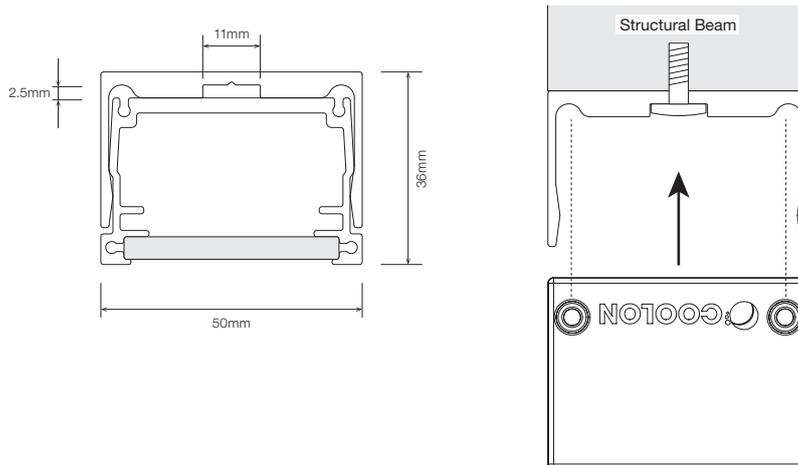
■ DIMENSIONS

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

BEAM



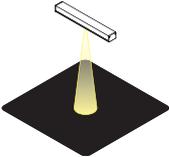
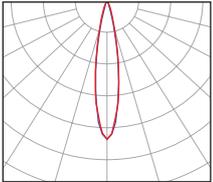
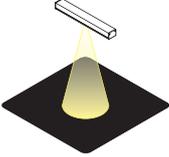
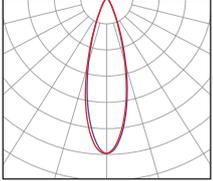
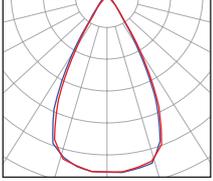
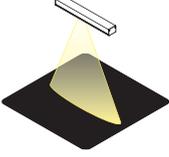
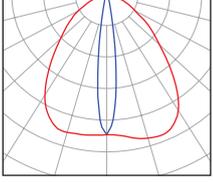
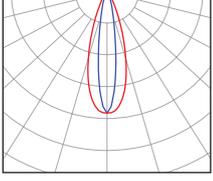
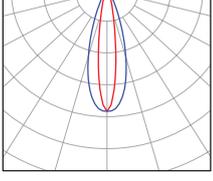
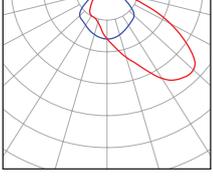
CROSS SECTIONAL DRAWING



■ PRODUCT LENGTH

BEAM		
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	
S11	3,273mm	

■ 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		
A3020D Asymmetric Forward Throw Asymmetric 30° x 20° Beam Angle		

■ DIFFUSER

SC - Standard Clear Cover



SD - Standard Diffused Cover



■ PROFILE COLOUR

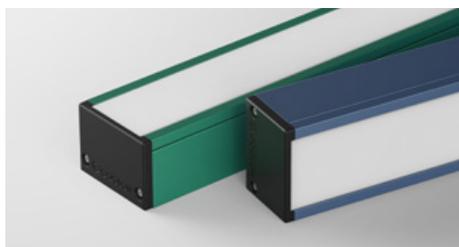
BLK - Black



WHT - White

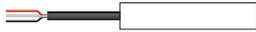
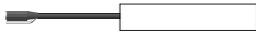


CST - Custom Colour ¹



¹ Custom colours available on request.

WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2.1OS Wire 2+1 Core One Side			
OC2.1MO Outdoor Connector 3pin 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 back-to-back or limited spaces.



WS - Wire from side



Ideal for fittings installed individually or vertically.



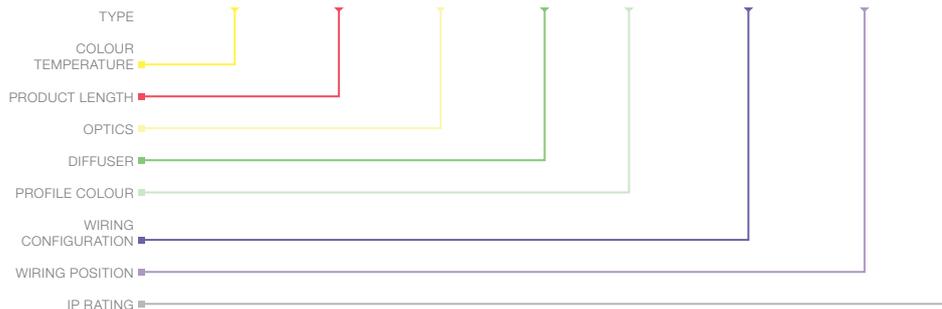
IP RATING

IP40

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

ORDERING EXAMPLE

PRJ - BEAM - 3.0KCRI - S2 - O4018D - SC - BLK - WR2.1OS - WB - IP40



COLOUR TEMPERATURE PAGE 04

2.7KCRI	2700K CRI 90
3.0KCRI	3000K CRI 90
3.2KCRI	3200K CRI 90
4.0KCRI	4000K CRI 90

PRODUCT LENGTH PAGE 05

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
S11	3,273mm

OPTICS PAGE 06

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 PAGE 07

SC	Standard Clear
SD	Standard Diffused

PROFILE COLOUR PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour ¹

WIRING CONFIGURATION PAGE 08

WR2.1OS	Wire 2+1 Core One Side
OC2.1MO	Outdoor Connector 3pin 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

IP40	Indoor Use
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¹ Custom colours available on request

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING BRACKET *		
	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

* Recommended spacing between Mounting Brackets is maximum 500mm.

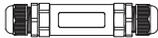
CONTROLLER

	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 To 1 Channel PWM Brightness Controller
	CTR-DALILOGIC NEO	NEO Outdoor DALI to 1 Channel PWM Brightness Controller

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

	CBL-PRJ-WR2.1-DC-L-IP65-3M	3m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBL-PRJ-WR2.1-DC-L-IP65-5M	5m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBL-PRJ-WR2.1-DC-L-IP65-10M	10m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBL-PRJ-WR2.1-DC-L-IP65-20M	20m Length, 3 Core 2x14+1x18AWG Cable Extension with outdoor joiner
	CBL-PRJ-OC2.1FO-DC-L-IP65-5M	5m Length, 3 Core Leader Cable with outdoor joiner and lose wires
	CBL-PRJ-OC2.1FO-DC-L-IP65-10M	10m Length, 3 Core Leader Cable with outdoor joiner and lose wires