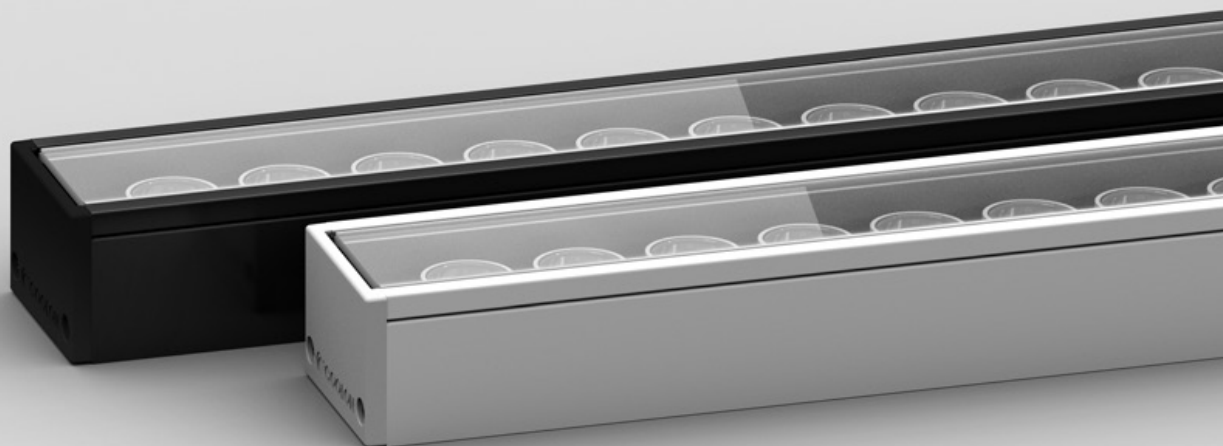


# BEAM

LINEAR BEAM MOUNT PRJ-BEAM





The Beam Mounted Linear LED Projector is specifically designed to be easily installed directly under a canopy support beam with the assistance of a custom designed mounting profile.

The Beam utilizes the latest 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 particular application.

**POWER****LUMINOUS FLUX****60W**

60W / metre

**SC** - 3000 lm / metre**SD****COLOUR TEMPERATURE**

2700K

3000K

3200K

4000K

5000K

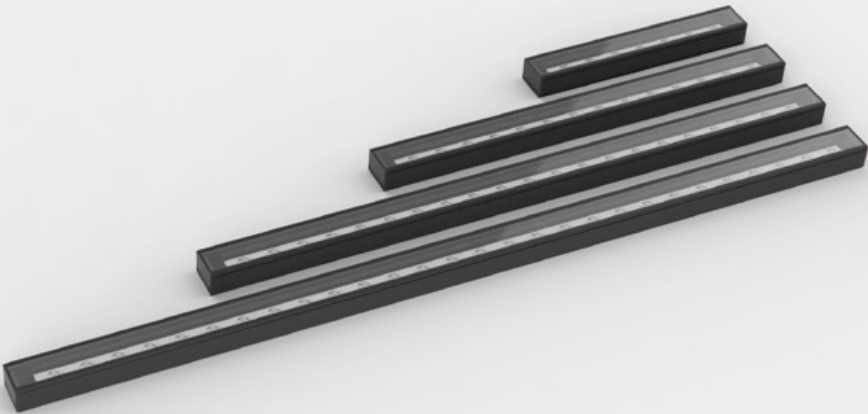


## OPTICAL VARIATIONS

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

## VERSATILE LENGTH OPTIONS

Versatile length options allows the user to achieve much more accurate and adaptable lengths. The Beam is able to achieve any desired length within a 343mm increment.



### 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 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

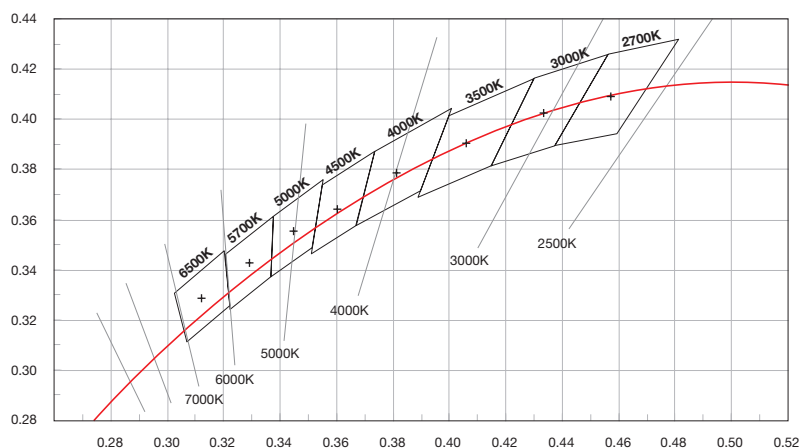
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.



## 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	UV Stable Polycarbonate (PC) Clear, Polycarbonate (PC) Diffused
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 50°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

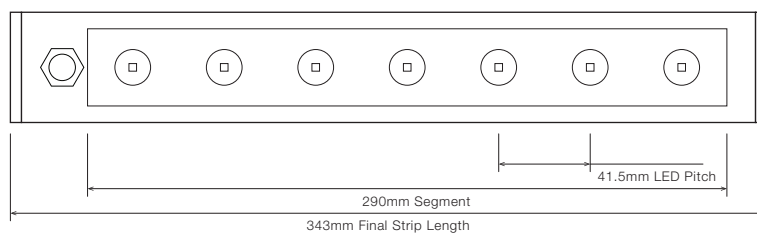
## COLOUR TEMPERATURE



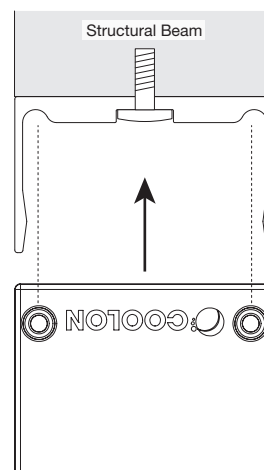
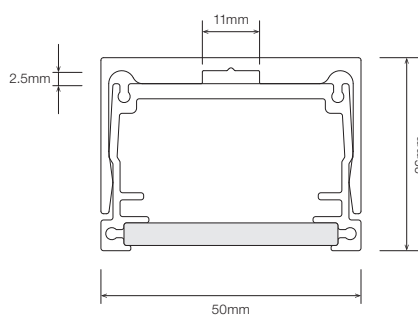
## DIMENSIONS

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

### BEAM



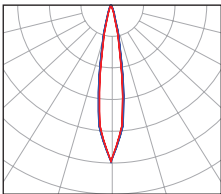
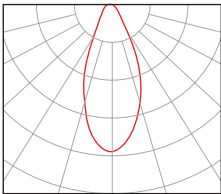
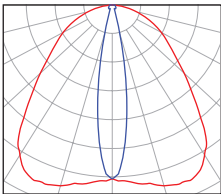
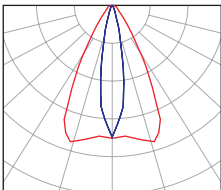
### CROSS SECTIONAL DRAWING



## 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	

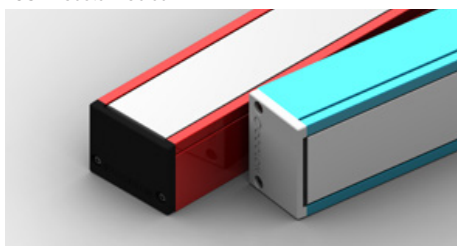
## ■ POLAR DISTRIBUTION

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

## ■ DIFFUSER







**SC** · Standard Clear Cover**SD** · Standard Diffused Cover

## ■ PROFILE COLOUR

**BLK** · Black**WHT** · White**CST** · Custom Colour <sup>1</sup>

<sup>1</sup> Custom colours available on request.

## WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR2.10S 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

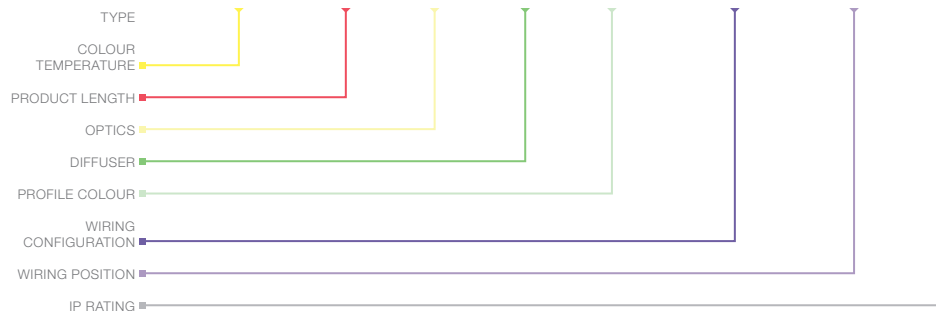
**IP40**

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



## ORDERING EXAMPLE

**PRJ - BEAM - 3.0KCRI - S2 - O209 - 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
5.0KCRI	5000K 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

L07	14° Beam
L25	50° Beam
F5010	Flare 100° x 20° Beam
O209	Oval 40° x 18° Beam
NOP	No Optics

### DIFFUSER PAGE 07

SC	Standard Clear
SD	Standard Diffused

### PROFILE COLOUR PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour <sup>1</sup>

### 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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<sup>1</sup> Custom colours available on request

## ■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
<b>MOUNTING BRACKET *</b>		
	MBR-PRJ-FLAT-BLK	Flat Mounting Bracket - Black
	MBR-PRJ-FLAT-WHT	Flat Mounting Bracket - White
	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 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-HLG40-24V	Mean Well Power Supply HLG 40W 24V IP67
PWR-HLG60-24V	Mean Well Power Supply HLG 60W 24V IP67
PWR-HLG100-24V	Mean Well Power Supply HLG 100W 24V IP67
PWR-HLG150-24V	Mean Well Power Supply HLG 150W 24V IP67
PWR-HLG240-24V	Mean Well Power Supply HLG 240W 24V IP67
PWR-HLG320-24V	Mean Well Power Supply HLG 320W 24V IP67
PWR-HLG150-42V-IP (For UG)	Mean Well Power Supply HLG 150W 42V IP67
PWR-HLG240-42V-IP (For UG)	Mean Well Power Supply HLG 240W 42V IP67
PWR-HLG320-42V-IP (For UG)	Mean Well Power Supply HLG 320W 42V 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 loose wires
CBLEXT-PRJ-OC2.1F-IP65-10M	10m Length, 3 Core Leader Cable with outdoor joiner and loose wires