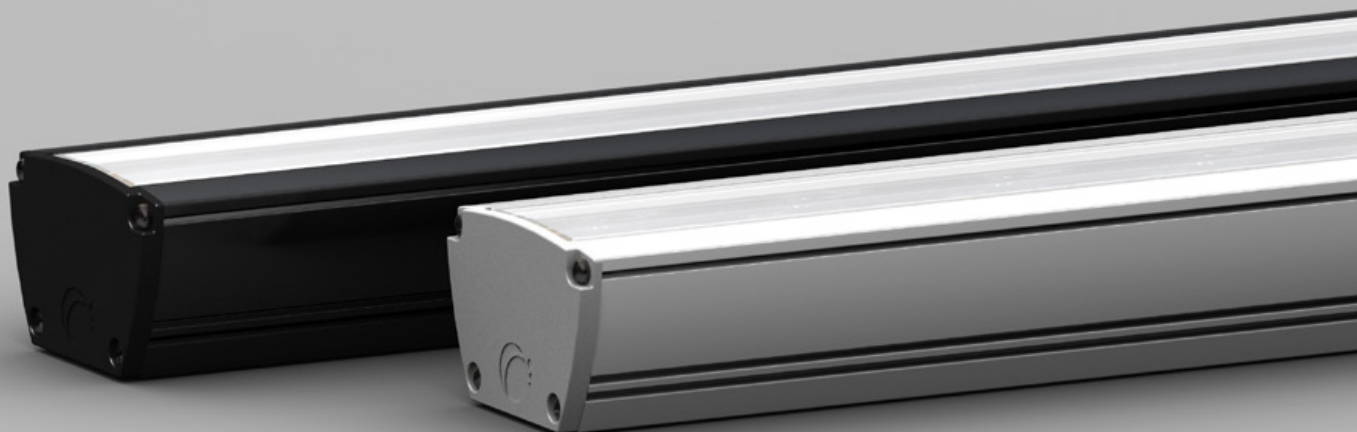


LATITUDE 37 RGBW

RGBW LINEAR HIGH POWER PRJ-LAT37 RGBW





The Latitude 37 RGBW is a High Power Linear RGBW Luminaire, specifically designed for creative wall washing / grazing applications.

Compact size and multiple length options allows for greater design flexibility. The RGBW colour luminaire can be controlled with a 3 channel RGB or 4 channel RGBW DMX controller.

POWER (DC)**POWER (AC)****LUMINOUS FLUX****60W**

60W / metre

30W

32W / pixel

**SD** • Varies with colour combination**P1** • Varies with colour combination**RGBW FULL COLOUR**



INTELLIGENT POWER BALANCE

The “Intelligent Power Balance” feature allows the DC Latitude 37 RGBW Luminaire to distribute power / intensity to where it is most required.

The DC fitting is designed to dissipate a maximum of 60W / metre, whilst at the same time allowing the user to extract the most out of each colour /channel if required.



HIGHLY CONFIGURABLE

The Latitude 37 RGBW can be configured in multiple ways to fit any project for both interior and exterior applications.

L70

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.



ADVANCED QUAD CHIP LEDs

Multi-colour LED that provides high lumen output in a small package. A small optical source for excellent optical control and efficient colour mixing can reduce LED system complexity by reducing the number of components required.

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.

TECHNICAL SPECIFICATIONS

	DC VERSION	AC VERSION
Product Code	PRJ-LAT37 RGBW	
Description	Latitude 37 RGBW Linear High Power Projector	
Body	Aluminium Alloy Body	
Finish	Powder Coated Black (Standard), Various Colours Available	
Cover	Polycarbonate (PC) Diffused for Indoor / Polyurethane for Outdoor	
End Caps	Polycarbonate (PC)	
LEDs per Segment / Pixel	6	
Segment / Pixel Size	330mm	
LED	Cree XMLC RGBW, White Chip CRI 80	
Operating Voltage	24VDC	120 – 277VAC
Max. Power Consumption	60W per Metre	32W per Pixel
Max. Continuous Connection Length	Please refer to installation limitations	
Dimming / Control	Through DRV-RDM-P4 and DRV-RDM-IP-P4	Self Addressable DMX (Full Frames), 3 Channels per pixel - Full Frames
External Heatsink Required	No	
Ambient Operating Temperature	Ta -10°C to 40°C	
Thermal Management	Active	
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, If = 1000mA)	Cree XMLC - L70 (12K) > 53,800 hours ¹ Latitude 37 RGBW max. operating values (@ Ts = 80°C, If = 500mA) (at Ts = 80°C, If = 700mA)	
IP Rating	IP40 (Standard), up to IP65 (10% Lumen depreciation on IP65 products)	

¹ Extrapolation based on LED manufacturer TM-21 lifetimes. Subject to change without notice.

² Please refer to product brochure documentation for specific details not shown in this document.

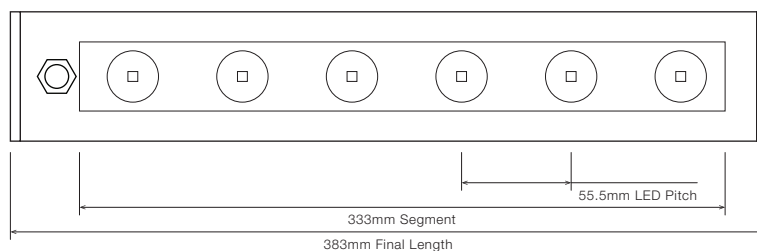
ELECTRICAL AC INPUT SPECIFICATIONS

(@25°C ambient temperature)

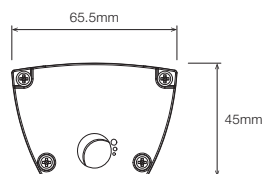
	Minimum	Typical	Maximum	Notes
Input Voltage Range (Vin)	90VAC	120VAC 230VAC 277VAC	277	<ul style="list-style-type: none"> The rated output voltage is achieved at Vin ≥ 105VAC & @ Vin ≥ 198VAC At maximum load
Input Frequency Range	47Hz	50 / 60Hz	63Hz	
Input Current (Iin)			1.05A @ 120VAC 0.58A @ 230VAC 0.48A @ 277VAC	
Power Factor (PF)	0.9	> 0.9		<ul style="list-style-type: none"> At nominal input voltage From 100% to 60% of rated power
Inrush Current	Meets NEMA-410 requirements			At any point on the sine wave and 25°C
Leakage Current			400 µA @ 120 VAC 800 µA @ 230 VAC 920 µA @ 277 VAC	Measured per IEC60950-1
Input Harmonics	Complies with IEC61000-3-2 for Class C equipment			
Total Harmonics Distortion (THD)			20%	<ul style="list-style-type: none"> At nominal input voltage From 100% to 60% of rated power Complies with DLC (Design Light Consortium) technical requirements
Efficiency		Up to 92%		Measured with nominal input voltage

DIMENSIONS

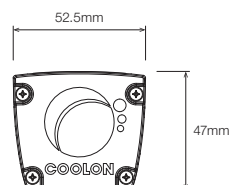
For final strip lengths please refer to the "Product Length" table.



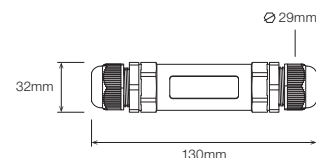
DC



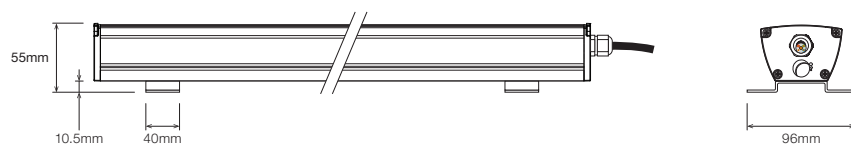
AC



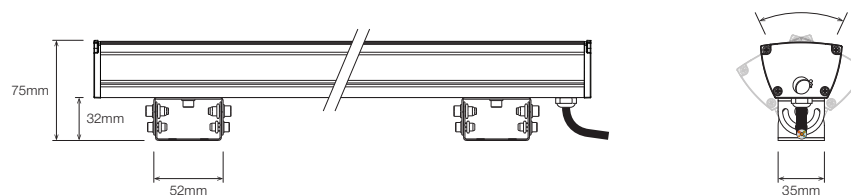
CABLE EXTENSION JOINER



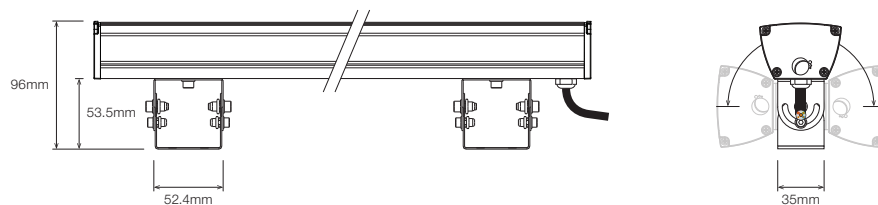
FLAT MOUNTING BRACKET



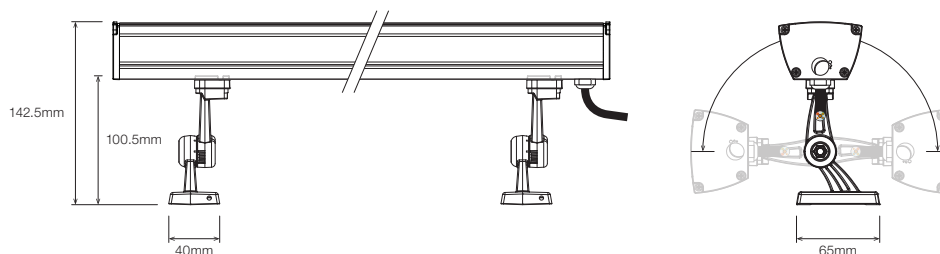
25° ROTATING MOUNTING BRACKET



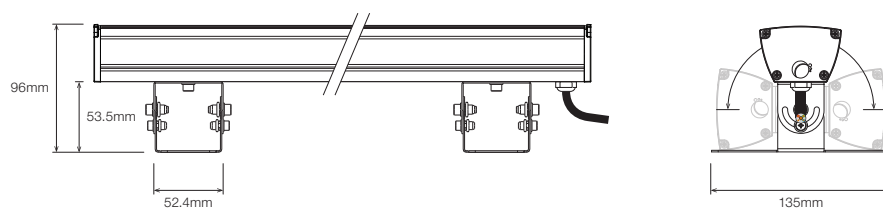
90° ROTATING MOUNTING BRACKET



ARCHITECTURAL SWIVEL BRACKET



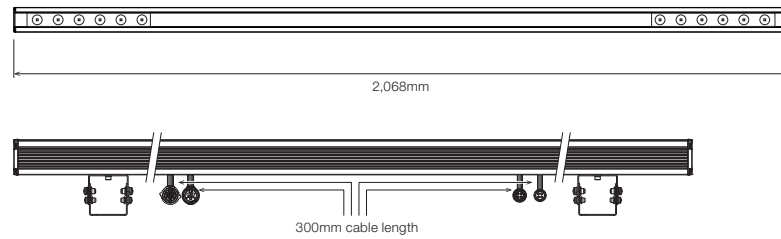
FLAT ROTATING MOUNTING BRACKET 90°



DIMENSIONS (AC)

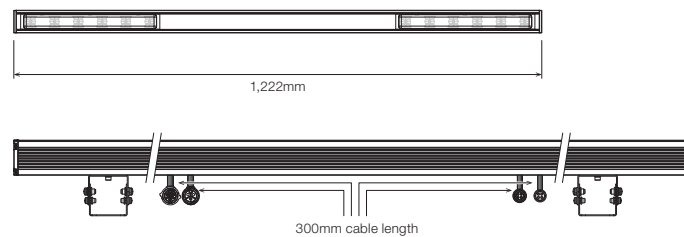
CST6 S2

Projector Latitude 37 RGBW - S2 Extended - 2 Pixel - Flare Optics - Polyurethane
Encapsulation - White Body - 2,068mm - Integral PSU & Driver



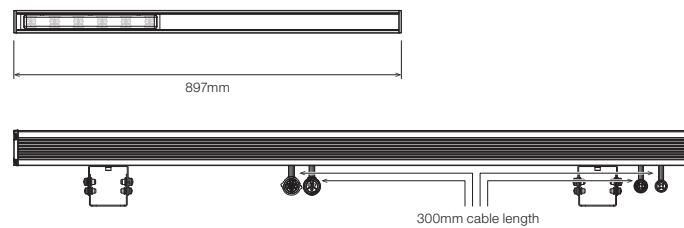
CST6A S2

Projector Latitude 37 RGBW - S2 Compact - 2 Pixel - Flare Optics - Polyurethane
Encapsulation - White Body - 1,222mm - Integral PSU & Driver



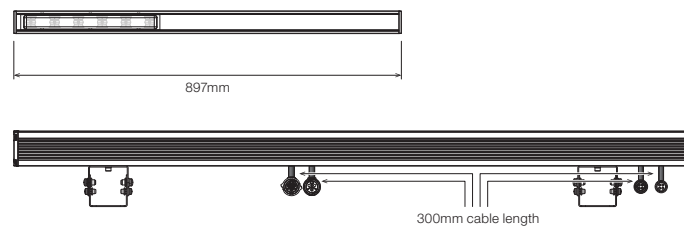
CST6 S1L ¹

Projector Latitude 37 RGBW - S1 - 1 Pixel Left - Flare Optics - Polyurethane
Encapsulation - White Body - 897mm - Integral PSU & Driver

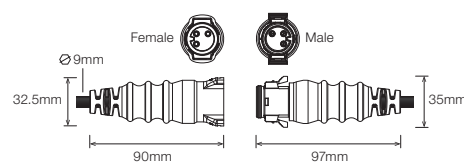


CST6 S1L ¹

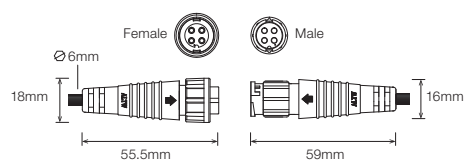
Projector Latitude 37 RGBW - S1 - 1 Pixel Left - Flare Optics - Polyurethane
Encapsulation - White Body - 897mm - Integral PSU & Driver



3PIN CONNECTORS




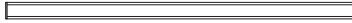






4PIN CONNECTORS






¹ Please observe orientation and location of installation per luminaire cut sheet.


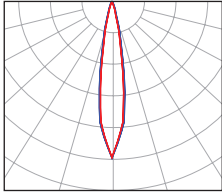

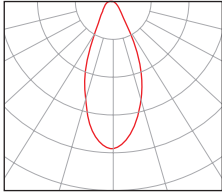

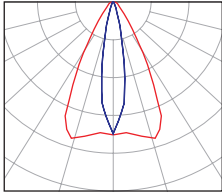
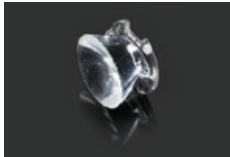
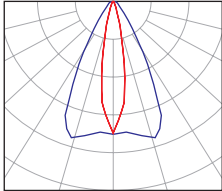

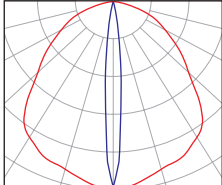
PRODUCT LENGTH (DC)

	WIRE FROM ONE SIDE	WIRE FROM BOTH SIDE	
S1	383mm	403mm	
S2	716mm	736mm	
S3	1,049mm	1,069mm	
S4	1,382mm	1,402mm	
S5	1,715mm	1,735mm	
S6	2,048mm	2,068mm	
S7	2,381mm	2,401mm	
S8	2,714mm	2,734mm	

PRODUCT LENGTH (AC)

CST6 S2	2,068mm	
CST6A S2	1,222mm	
CST6 S1L	897mm	
CST6 S1R	897mm	

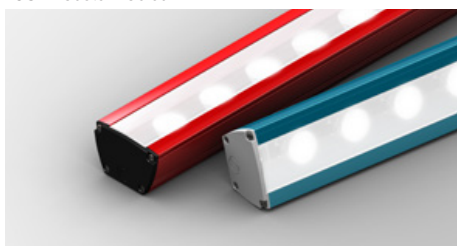
POLAR DISTRIBUTION

OPTIC	BEAM ANGLE	POLAR DISTRIBUTION
L07 	14°	
L25 	50°	
O209 	40° x 18°	
O920 	18° x 40° *On request only	
F5010 	100° x 20°	

■ DIFFUSER

SD • Standard Diffused**P1** • Polyurethane Clear on Standard Diffused

■ PROFILE COLOUR

BLK • Black**WHT** • White**CST** • Custom Colour ¹

¹ Custom colours available on request

■ WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	MALE	FEMALE
WR5OS Wire 5 Core One Side			
OC6MO Outdoor Connector 6 pin Male Only			
OC6MF Outdoor Connector 6 pin Male + Female			
OCAC3,4MF Outdoor Connector 3 pin AC, 4 pin Data, Male + Female			

- Typical wiring length 1,000 mm with cable's outer diameter 7.5mm.
- Please consult Coolon for details on extension cables between LED fittings, drivers and PSUs.

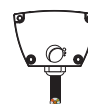
WIRING COLOUR CODE (DC)	
Black	+ VDC
Red	- RED
Green	- GREEN
Blue	- BLUE
White	- WHITE

■ 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.

IP65

Fully protected against dust. Protected against water jets from all directions

ORDERING EXAMPLE

PRJ - LAT37 RGBW - WW - S2 - O209 - P1 - WHT - WR5OS - WB - IP65



LED COLOUR

WW	RGB + Warm White
CW	RGB + Cool White

PRODUCT LENGTH PAGE 06

S1	383mm
S2	716mm
S3	1,049mm
S4	1,382mm
S5	1,715mm
S6	2,048mm
S7	2,381mm
S8	2,714mm
CST6 S2	2,068mm
CST6A S2	1,222mm
CST6 S1L	897mm
CST6 S1R	897mm

OPTICS PAGE 06

L07	14° Beam
L25	50° Beam
O209	Oval 40° x 18° Beam
O920	Oval 18° x 40° Beam
F5010	Flare 100° x 20° Beam

DIFFUSER PAGE 07

SD	Standard Diffused ¹
P1	Polyurethane Clear on Standard Diffused ²

PROFILE COLOUR PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour ³

WIRING CONFIGURATION PAGE 08

WR5OS	Wire 5 Core One Side
OC6MO	Outdoor Connector 6 pin Male Only
OC6MF	Outdoor Connector 6 pin Male + Female
OCAC3.4MF	Outdoor Connector 3 pin AC, 4 pin Data, Male + Female

WIRING POSITION PAGE 08

WB	Wire from Back
WS	Wire from Side

IP RATING PAGE 08




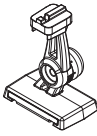
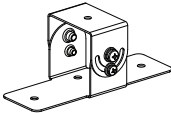
IP40	Indoor Use
IP65	Outdoor Use

¹ Standard Diffused applicable to IP40 only

² Polyurethane Clear on Standard Diffused applicable to IP65 only

³ Custom colours available on request

■ ACCESSORIES


	PRODUCT CODE	DESCRIPTION
MOUNTING BRACKET *		
	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
	MBR-PRJ-FL90-BLK	Flat 90 Degree Rotating Mounting Bracket - Black
	MBR-PRJ-FL90-WHT	Flat 90 Degree Rotating Mounting Bracket - White
	MBR-PRJ-FL90-SS	Flat 90 Degree Rotating Mounting Bracket - Stainless Steel

* Recommended spacing between Mounting Brackets is maximum 500mm unless otherwise specified.

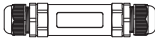
DRIVER (DC)

	DRV-RDM-P4	DMX / RDM 4 Channel LED Driver
	DRV-RDM-IP-P4	Outdoor DMX / RDM 4 Channel LED Driver

POWER SUPPLY

	PWR-HLG-60H-24	Mean Well Power Supply HLG 60W 24V IP67
	PWR-HLG-100H-24	Mean Well Power Supply HLG 100W 24V IP67
	PWR-HLG-150H-24	Mean Well Power Supply HLG 150W 24V IP67
	PWR-HLG-240H-24	Mean Well Power Supply HLG 240W 24V IP67
	PWR-HLG-320H-24	Mean Well Power Supply HLG 320W 24V IP67
	VLM100W-24	ERP Power Supply VLM 100W 24V

CABLE EXTENSION

	CBLEXT-PRJ-WR5-IP65-3M	3m Length, 5 Core Cable Extension with outdoor joiner
	CBLEXT-PRJ-WR5-IP65-5M	5m Length, 5 Core Cable Extension with outdoor joiner
	CBLEXT-PRJ-WR5-IP65-10M	10m Length, 5 Core Cable Extension with outdoor joiner
	CBLEXT-PRJ-WR5-IP65-20M	20m Length, 5 Core Cable Extension with outdoor joiner
	CBLEXT-PRJ-OC6F-IP65-1M	1m Length, 6 Core Leader Cable with outdoor female connector and loose wires
	CBLEXT-PRJ-OC6F-IP65-5M	5m Length, 6 Core Leader Cable with outdoor connector and loose wires
	CBLEXT-PRJ-OC6F-IP65-10M	10m Length, 6 Core Leader Cable with outdoor connector and loose wires
	CBLEXT-PRJ-OCAC3MF-4M	4m Length, 3 Core Jumper with outdoor male / female connectors
	CBLEXT-PRJ-OCAC3F-1M	1m Length, 3 Core Extension with outdoor female connector
	CBLEXT-PRJ-OCAC3F-15M	15m Length, 3 Core Extension with outdoor female connector
	CBLEXT-PRJ-OCAC4MF-4M	4m Length, 4 Core Jumper with outdoor male / female connectors
	CBLEXT-PRJ-OCAC4F-1M	1m Length, 4 Core Extension with outdoor female connector
	CBLEXT-PRJ-OCAC4F-15M	15m Length, 4 Core Extension with outdoor female connector