

RATIO IP LED STRIP STR-RATIO IP





The Ratio IP LED Strip is one of our most versatile and elegant products yet. It is offered in a broad range of optical configurations and colour temperatures.

The flexibility of the Ratio IP continues with the availability of 2 wattages (11W and 23W) and various lengths. With no compromise on aesthetic it is easy to customise the perfect lighting effect for the most demanding of lighting projects.

POWER LUMINOUS FLUX

11W 11W / metre



SC · 830 lm / metre

23W

23W / metre

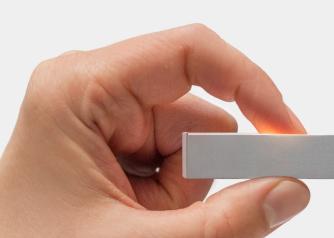


SC • 1,668 lm / metre

COLOUR TEMPERATURE

2700K 3000K 3500K 4000K





COMPACT SIZE

Reduced form factor can provide much freedom and simplicity to a designer. At only 20x22.5mm the Ratio IP is the smallest LED strip/profile offered with optical control.





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

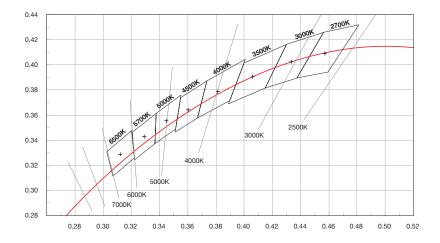
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.



TECHNICAL SPECIFICATIONS

			11W VERSION	23W VERSION
Prod	uct Code		STR-RATIO IP	
Description			Ratio IP Medium Power Beam Control L	ED Strip
Segn	nent Length (S)		240mm	
Segn	nent Width		10.50mm	
LED	Pitch		34.28mm	
LEDs	Per Segment		7	
Oper	ating Voltage		24VDC	
	cal Power Consu Segment	umption	2.5W per 240mm Segment	5.3W per 240mm Segment
Typic per N	cal Power Consu Metre	umption	11W per metre	23W per metre
Typic	al Current		115mA per 240mm Segment	230mA per 240mm Segment
Colo	ur Rendering In	dex (CRI)	90+	
Dimn	nable		Through CTR-DALILOGIC or CTR-DIMMERLOGIC (sold separately)	
Effec	tive Beam Angl	е	Varies with optics (30° – 110°)	
External Heatsink Required		equired	No	
Ambient Operating Temp		[emp	Ta -10°C to 50°C	
Thermal Operating			Yes (Active)	
Reported Lumen Maintenance TM21-11 (@ Ts = 85°C, I _f = 700mA)			L70 (17K) > 103,000 hours L90 (17K) > 103,000 hours	
			Ratio IP max. operating values (@ Ts = 4	0°C, I _f = 230mA)
IP Ra	ating		IP66	
IK Ra	ating		IK06 - IK08 (Standard)	
			 IK Rating of IK06 passed without marks to the extrusion and polyurethane material IK Rating of IK07 and IK08 passed with minor marks to the extrusion and polyurethane material Cable exit / entry not part of the IK Rating test 	
Max Continuous Connection Length		nnection Length	Please refer to installation limitations (Pa	ge 08)
Luminous Flux per Metre (lm/M)		Metre (Im/M)		
SC	3000K CRI	L25 Optics	830 lm / metre	1,668 lm / metre
	4000K CRI	O209 Optics	840 lm / metre	1,700 lm / metre
			Specific lumen output and IES files ava	ilable on request

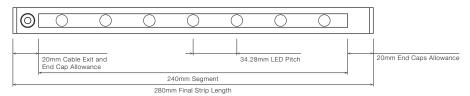
COLOUR BINNING

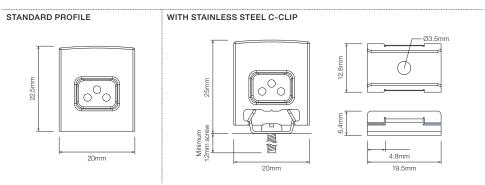




DIMENSIONS

For final strip lengths please refer to the "Product Length" table (Page 06).





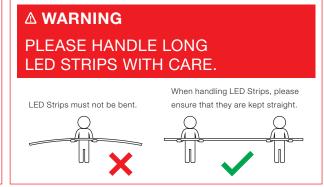


PRODUCT LENGTH

FULL SEGMENTS (S)	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH	
1	240mm	add 40mm	280mm	
2	480mm	add 40mm	520mm	
3	720mm	add 40mm	760mm	
4	960mm	add 40mm	1,000mm	
5	1,200mm	add 40mm	1,240mm	
6	1,440mm	add 40mm	1,480mm	
7	1,680mm	add 40mm	1,720mm	
8	1,920mm	add 40mm	1,960mm	1
9	2,160mm	add 40mm	2,200mm	1
10	2,400mm	add 40mm	2,440mm	1
11	2,640mm	add 40mm	2,680mm	1
12	2,880mm	add 40mm	2,920mm	1

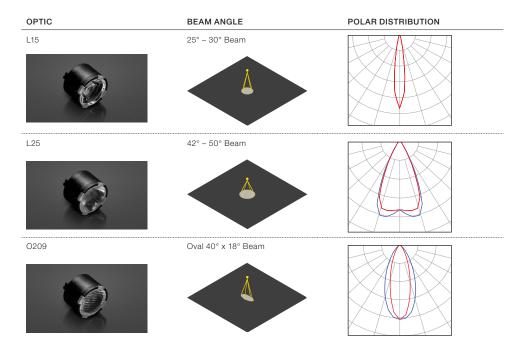
¹ Custom lengths - contact Coolon LED for more information.







POLAR DISTRIBUTION



DIFFUSER / LOUVRE

SC · No Louvre



PROFILE COLOUR



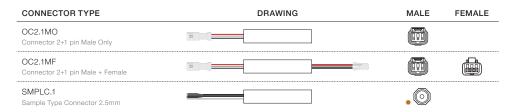






¹ Custom colours available on request.

WIRING CONFIGURATION



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

WIRING COLOUR CODE	
Red	+ VDC
Black	GND
White	PWM Control

WIRING POSITION

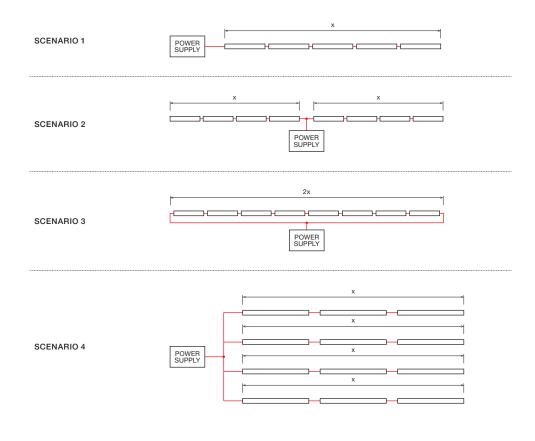


• IP RATING



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

INSTALLATION LIMITS



11W VERSION

MAX. CONTINUOUS CONNECTION LENGTH (X)

CONNECTOR TYPE

5,500 mm

With 2+1 pin connectors (OC2.1MO / OC2.1MF / SMPLC.1)

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

23W VERSION

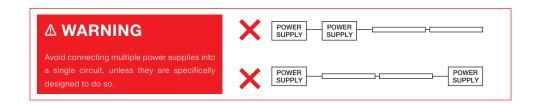
MAX. CONTINUOUS CONNECTION LENGTH (X)

CONNECTOR TYPE

2,500 mm

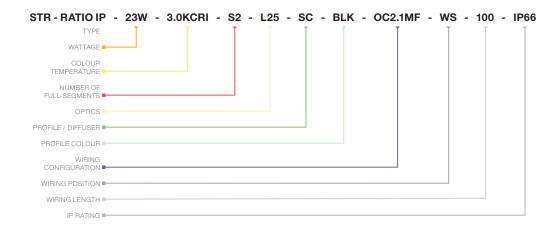
With 2+1 pin connectors (OC2.1MO / OC2.1MF / SMPLC.1)

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





ORDERING EXAMPLE



WATTAGE

11W	10.5W per metre	
23///	23W per metre	

COLOUR TEMPERATURE 1 PAGE 04

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

■ PRODUCT LENGTH PAGE 05

S1	280mm
S2	520mm
S3	760mm
S4	1,000mm
S5	1,240mm
S6	1,480mm
S7	1,720mm
S8	1,960mm
S9	2,200mm
S10	2,440mm
S11	2,680mm
S12	2,920mm

OPTICS PAGE 06

L15	25° - 30° Beam	
L25	42° - 50° Beam	
0209	Oval 40° x 18° Beam	

■ PROFILE / LOUVRE PAGE 06

SC No Louvre

PROFILE COLOUR 2 PAGE 06

BLK	Black (Standard)
WHT	White
CST	Custom Colour

■ WIRING CONFIGURATION PAGE 07

OC2.1MO	Outdoor Connector 2+1 pin Male Only
OC2.1MF	Outdoor Connector 2+1 pin Male + Female
SMPLC.1	Sample Type Connector 2.5mm

■ WIRING POSITION PAGE 07

WS Wire from Side

■ WIRING LENGTH PAGE 07

100	100mm	
250	250mm	

■ IP RATING PAGE 07

IP66 Outdoor Use



¹ Other CCT subject to availability.

² Custom colours available on request.

ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING		
	MC-CCLIP20	Stainless Steel C-Clip for P20 Profile

1 Recommended spacing between Mounting Clips is maximum 300mm.

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

