COOLON

eLi SW

LED MODULE LNR-eLi SW





eLi SW is a modular linear luminaire precisely engineered to follow the fluidity of organic architecture. It delivers consistent, high-quality white illumination for challenging exterior applications. Its semi-rigid design ensures seamless, elegant integration into curved façades and sculptural forms, backed by engineering-grade reliability. A range of precision optics and mounting accessories supports accurate beam control for wall washing or grazing.

POWER

20W
18.7W / metre



PC · 837 – 1,562 lm / metre

40W
38.7W / metre



PC · 1,223 – 2,440 lm / metre

COLOUR TEMPERATURE

1800K 2200K 2700K 3000K 3500K 4000K

CONTROL OPTIONS

ON OFF

DALI 2

DMX

CASAMBI



PEACE OF MIND, BUILT IN

eLi's signature build quality and proven encapsulation technology craft an outdoor solution of unmatched resilience and reliability. Its robustness ensures unwavering performance in the most demanding applications and environments.

VIBRANT VISUAL FIDELITY

eLi luminaires deliver stunning light quality engineered to bring spaces to life. With exceptional colour accuracy and consistency, they ensure true-to-life colours are rendered beautifully. eLi provides an outstanding visual experience that consistently enhances any environment.

SEAMLESS LONG RUNS, SIMPLIFIED

Every eLi luminaire carries its own constant current driver, so voltage drop along the run does not change brightness or colour. One feed drives 30 metres of illuminated fixtures at 20W/m, or 60 metres from a central feed, on a total run of up to 300 metres including leader and jumper cables. Fewer feeds, fewer penetrations, faster installation.

TECHNICAL SPECIFICATIONS

Product Code	LNR-eLi SW
Description	eLi SW LED Module
Body / Finish	Cast Aluminium, Anodised & Powder Coated (Marine Grade)
Cover	Polyurethane Encapsulation
Product Body Length	298mm
Luminaire Weight	710g
Connector Type	Push-Lock (Tool-less Installation)
LEDs Per Segment	6
Light Quality	3-step MacAdam Ellipse, CRI >90, R9 >80 (2700K and above), R9 >50 (1800K and 2200K), Rf: 92.7, Rg: 101.4
Lumen Maintenance TM21	TM21 L90/B10(10K) > 60,000 hours
Operating Voltage	24 – 54VDC (Requires SELV power supply)
Typical Power Consumption	5.6W or 11.6W per Module at 36V
Typical Power Consumption per metre	18.7W or 38.7W at 36V
Electrical Safety Classification	Class III (SELV)
Max. Through Current	20A
Control	DALI-2[1], DMX or Casambi through eLi Controller
External Heatsink Required	No
Storage Temperature Range	-20°C to +70°C
Humidity Range	10% to 90% RH, Non-condensing
Ambient Operating Temp	-10°C to 50°C
IP Rating	IP66 / IP67
IK Rating	IK10
Max Continuous Connection Length	Please refer to installation limits (Page 9)

[1] DALI-2 eLi controller uses the Lunatone DALI-2 1Ch LED Dimmer (PN: 86459556).

POWER & LUMEN OUTPUT

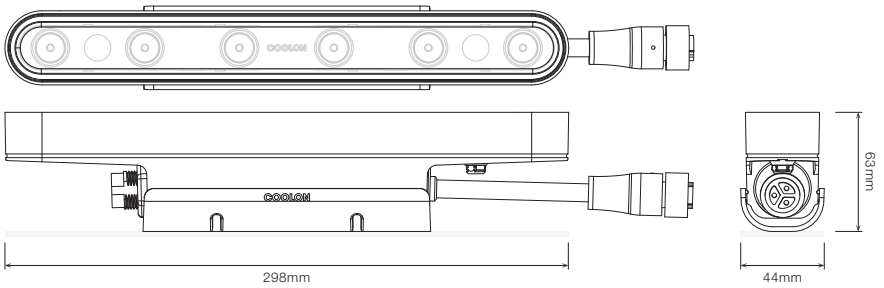
TYPE	POWER	CCT	13D	22D	40D	55D	O4512D	RO4512D
20W	18.7W / metre	1800K	967 lm/m	950 lm/m	860 lm/m	837 lm/m	863 lm/m	923 lm/m
		2200K	1,157 lm/m	1,133 lm/m	1,027 lm/m	997 lm/m	1,030 lm/m	1,103 lm/m
		2700K	1,343 lm/m	1,315 lm/m	1,194 lm/m	1,160 lm/m	1,197 lm/m	1,280 lm/m
		3000K	1,420 lm/m	1,393 lm/m	1,263 lm/m	1,227 lm/m	1,267 lm/m	1,357 lm/m
		3500K	1,530 lm/m	1,500 lm/m	1,360 lm/m	1,320 lm/m	1,363 lm/m	1,460 lm/m
		4000K	1,562 lm/m	1,530 lm/m	1,389 lm/m	1,348 lm/m	1,391 lm/m	1,489 lm/m
	5.6W / module	1800K	290 lm	285 lm	258 lm	251 lm	259 lm	277 lm
		2200K	347 lm	340 lm	308 lm	299 lm	309 lm	331 lm
		2700K	403 lm	395 lm	358 lm	348 lm	359 lm	384 lm
		3000K	426 lm	418 lm	379 lm	368 lm	380 lm	407 lm
		3500K	459 lm	450 lm	408 lm	396 lm	409 lm	438 lm
		4000K	468 lm	459 lm	417 lm	404 lm	417 lm	447 lm

TYPE	POWER	CCT	13D	22D	40D	55D	O4512D	RO4512D
40W	38.7W / metre	1800K	1,377 lm/m	1,350 lm/m	1,223 lm/m	1,337 lm/m	1,227 lm/m	1,313 lm/m
		2200K	1,770 lm/m	1,733 lm/m	1,573 lm/m	1,597 lm/m	1,577 lm/m	1,687 lm/m
		2700K	2,100 lm/m	2,057 lm/m	1,867 lm/m	1,853 lm/m	1,870 lm/m	2,000 lm/m
		3000K	2,220 lm/m	2,173 lm/m	1,973 lm/m	1,963 lm/m	1,977 lm/m	2,117 lm/m
		3500K	2,390 lm/m	2,343 lm/m	2,127 lm/m	2,113 lm/m	2,130 lm/m	2,280 lm/m
		4000K	2,440 lm/m	2,390 lm/m	2,170 lm/m	2,156 lm/m	2,173 lm/m	2,327 lm/m
	11.6W / module	1800K	413 lm	405 lm	367 lm	401 lm	368 lm	394 lm
		2200K	531 lm	520 lm	472 lm	479 lm	473 lm	506 lm
		2700K	630 lm	617 lm	560 lm	556 lm	561 lm	600 lm
		3000K	666 lm	652 lm	592 lm	589 lm	593 lm	635 lm
		3500K	717 lm	703 lm	638 lm	634 lm	639 lm	684 lm
		4000K	732 lm	717 lm	651 lm	647 lm	652 lm	698 lm

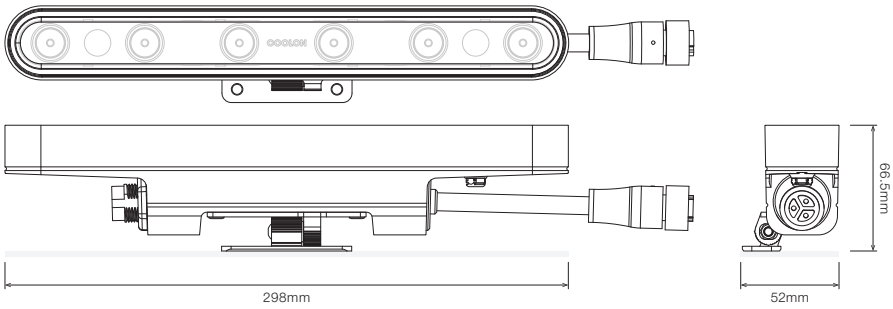
DIMENSIONS

For final run lengths please refer to the “Product Length” table.

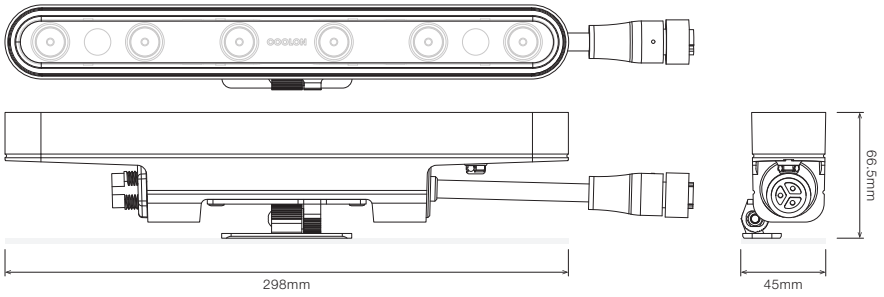
WITH SURFACE MOUNTING BRACKET



WITH ROTATING BRACKET - TYPE A

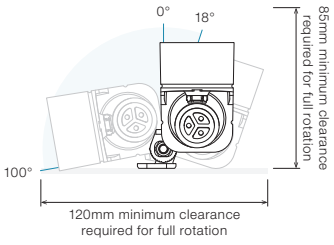


WITH ROTATING BRACKET - TYPE B

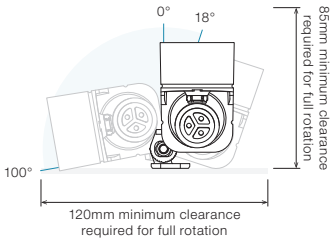


ROTATION WITH ROTATING BRACKET

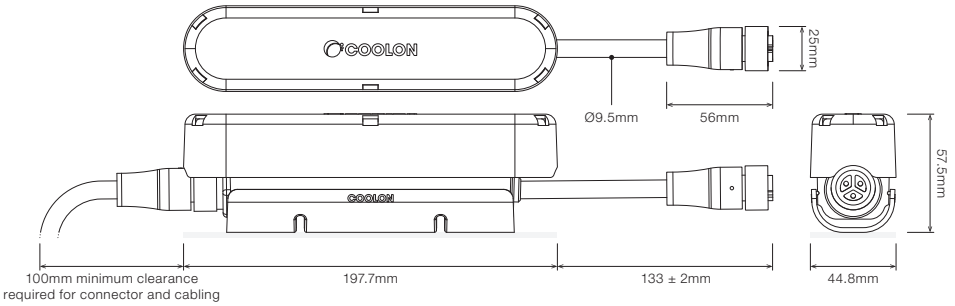
TYPE A



TYPE B



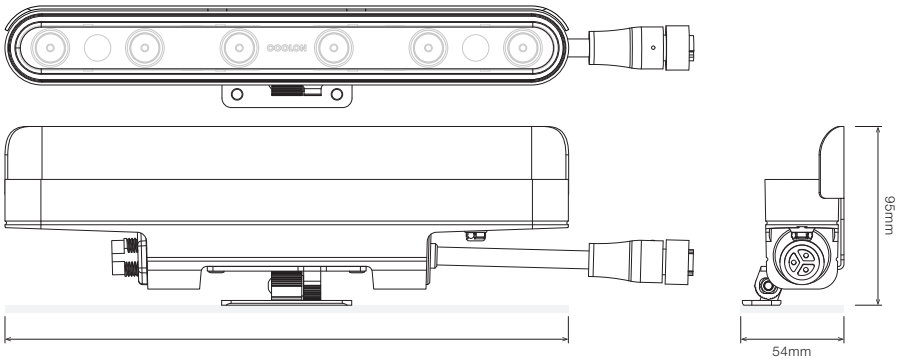
eLi CONTROLLER



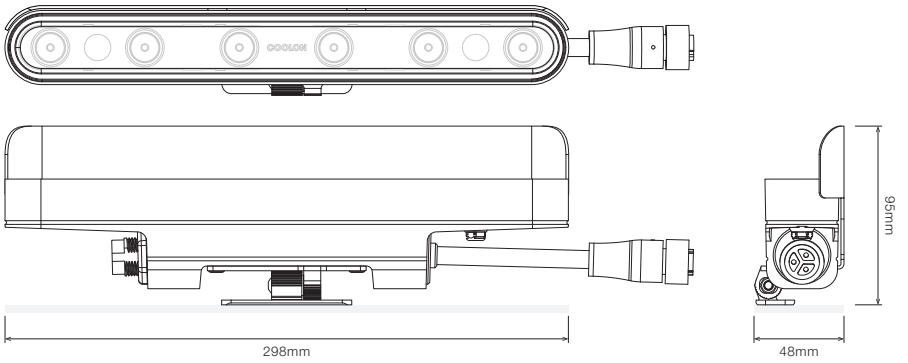
DIMENSIONS

For final run lengths please refer to the “Product Length” table.

WITH ROTATING BRACKET - TYPE A + GLARE SHIELD

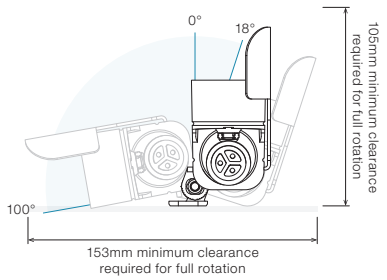


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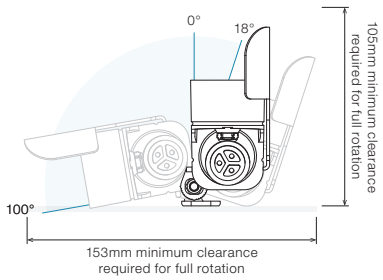


ROTATION WITH ROTATING BRACKET + GLARE SHIELD

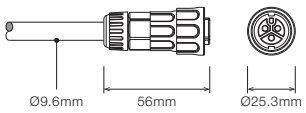
TYPE A



TYPE B

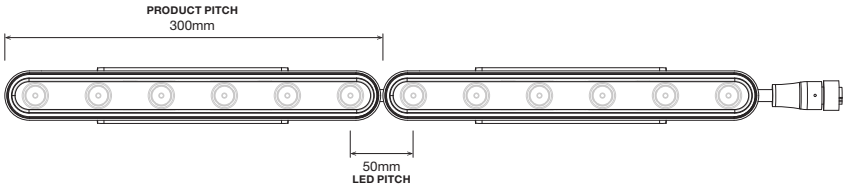


CONNECTOR + CABLE



[1] ACC-eLi-SSGS-BLK (eLi SS Single Side Glare Shield) not compatible with Surface Mounting Bracket

PRODUCT LENGTH



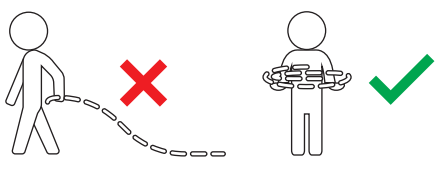
# OF MODULES	FINAL LENGTH
1	300mm
2	600mm
3	900mm
4	1,200mm
5	1,500mm
6	1,800mm
7	2,100mm
8	2,400mm
9	2,700mm
10	3,000mm
11	3,300mm
12	3,600mm
13	3,900mm
14	4,200mm
15	4,500mm
16	4,800mm
17	5,100mm
18	5,400mm
19	5,700mm
20	6,000mm
21	6,300mm
22	6,600mm
23	6,900mm
24	7,200mm
25	7,500mm
26	7,800mm
27	8,100mm
28	8,400mm
29	8,700mm
30	9,000mm
31	9,300mm
32	9,600mm
33	9,900mm
34	10,200mm
35	10,500mm
36	10,800mm
37	11,100mm
38	11,400mm
39	11,700mm
40	12,000mm
41	12,300mm
42	12,600mm
43	12,900mm
44	13,200mm
45	13,500mm
46	13,800mm
47	14,100mm
48	14,400mm
49	14,700mm
50	15,000mm

# OF MODULES	FINAL LENGTH
51	15,300mm
52	15,600mm
53	15,900mm
54	16,200mm
55	16,500mm
56	16,800mm
57	17,100mm
58	17,400mm
59	17,700mm
60	18,000mm
61	18,300mm
62	18,600mm
63	18,900mm
64	19,200mm
65	19,500mm
66	19,800mm
67	20,100mm
68	20,400mm
69	20,700mm
70	21,000mm
71	21,300mm
72	21,600mm
73	21,900mm
74	22,200mm
75	22,500mm
76	22,800mm
77	23,100mm
78	23,400mm
79	23,700mm
80	24,000mm
81	24,300mm
82	24,600mm
83	24,900mm
84	25,200mm
85	25,500mm
86	25,800mm
87	26,100mm
88	26,400mm
89	26,700mm
90	27,000mm
91	27,300mm
92	27,600mm
93	27,900mm
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98	29,400mm
99	29,700mm
100	30,000mm

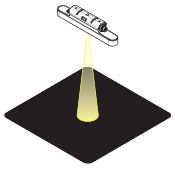
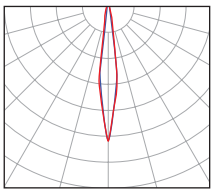
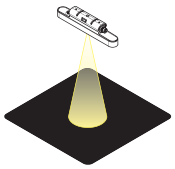
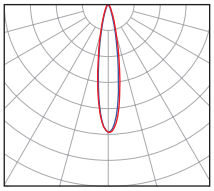
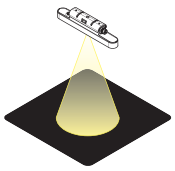
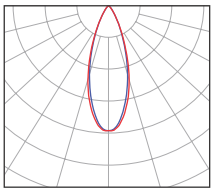
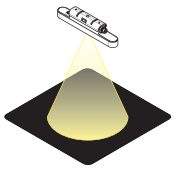
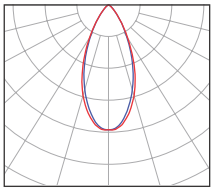
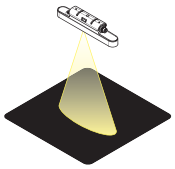
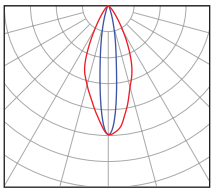
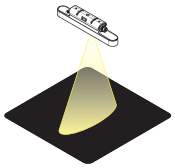
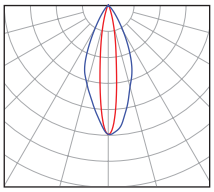
⚠ WARNING

PLEASE HANDLE LONG RUNS WITH CARE.

When handling long runs, please ensure that they are all supported and not dragged from one end.



POLAR DISTRIBUTION

OPTIC		POLAR DISTRIBUTION
13D Tight Beam 13° Beam		
22D Medium Beam 22° Beam		
40D Medium Beam 40° Beam		
55D Wide Beam 55° Beam		
O4512D Oval Beam Oval 45° x 12° Beam		
RO4512D Rotated Oval Beam Oval 45° x 12° Beam		

PROFILE COLOUR

BLK · Black (Standard)



CST · Custom Colour



PROTECTION RATINGS

IP66

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

IP67

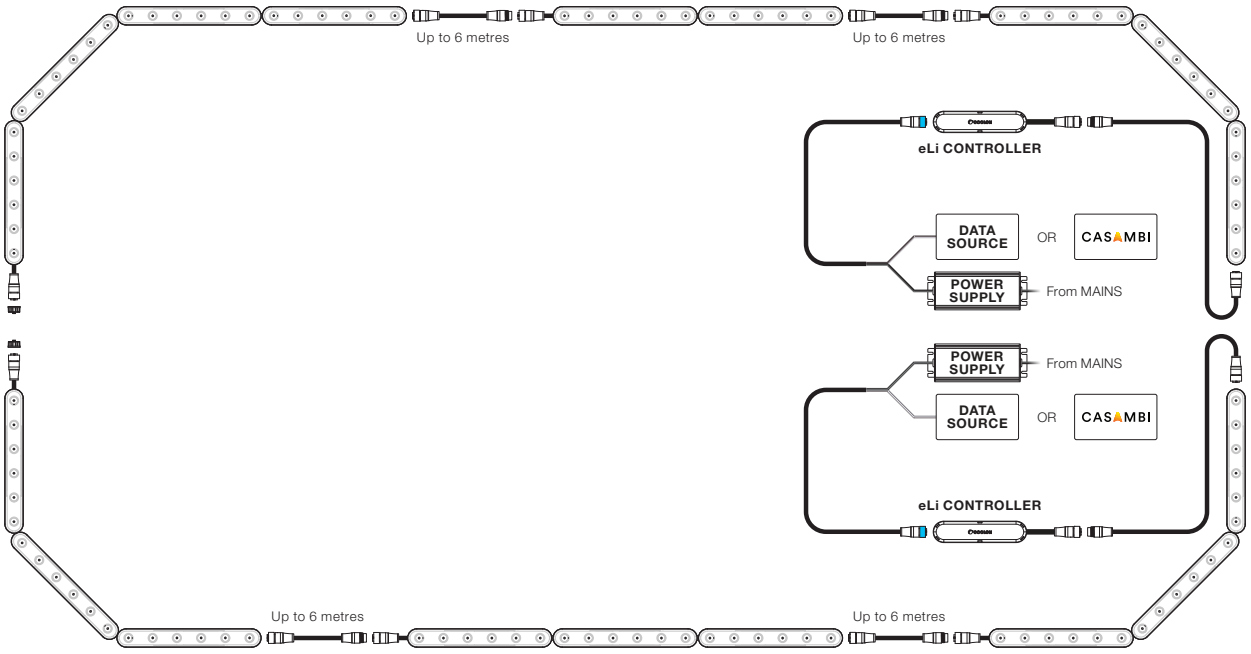
Fully protected against dust. Protected against wave-like water jets from all directions and temporary immersion (up to 1 metre).

IK10

Protected against 20-joule impact (equivalent to the impact of a 5.0kg mass dropped from 400 mm).

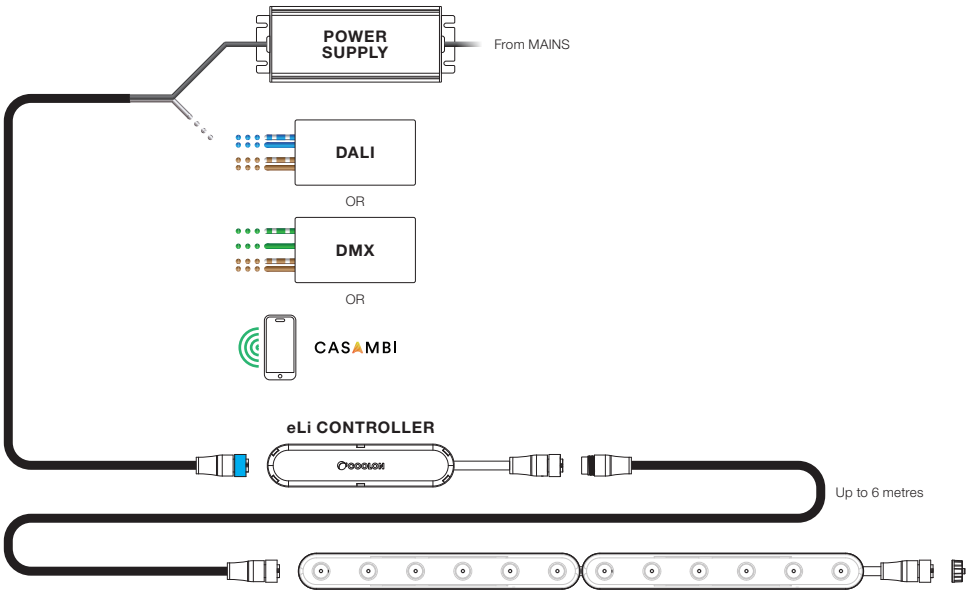
INSTALLATION LIMITS

	eLi 20 W/M	eLi 40 W/M
Luminaires per feed	100 luminaires	50 luminaires
Illuminated length per feed	30 metres	15 metres
Illuminated length per entry point	60 metres	30 metres
Total bus length per feed	Up to 300 metres	Up to 300 metres

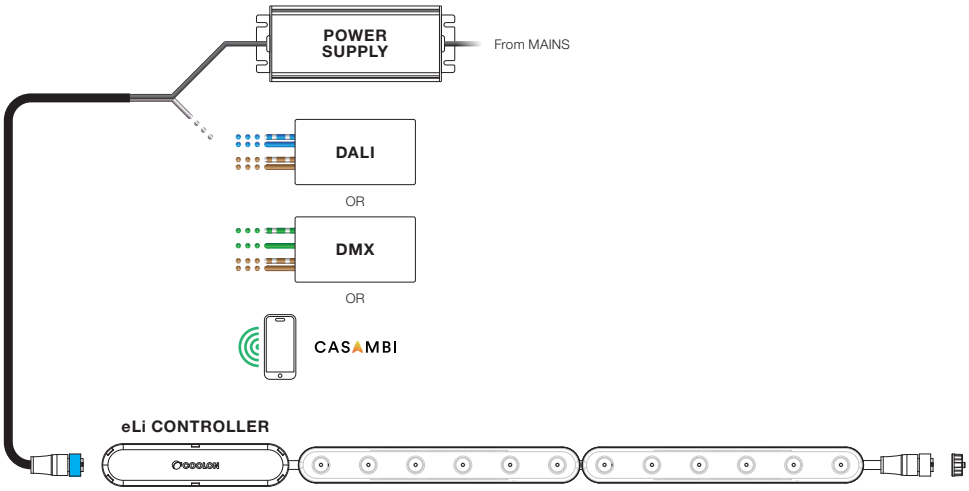


WIRING DIAGRAMS

WITH EXTENSION



WITHOUT EXTENSION



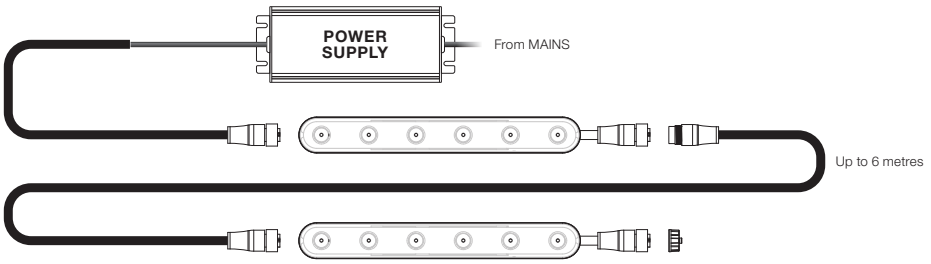
DALI

- DALI+ (Blue/White and Blue)
- DALI- (Brown/White and Brown)

DMX

- DMX- (Green/White)
- DMX+ (Green)
- DMX Common (Brown/White and Brown)

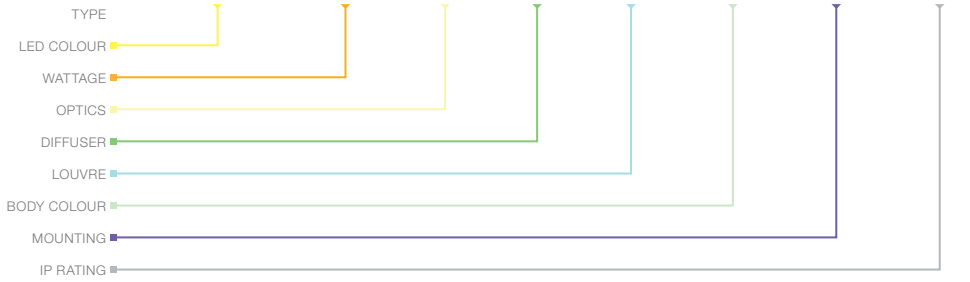
STAND-ALONE (ON / OFF OPERATION)



[1] DALI-2 eLi controller uses the Lunatone DALI-2 1Ch LED Dimmer (PN: 86459556).

ORDERING EXAMPLE

LNR - eLi - 2.7KCRI - 40W - 40D - PC - BLK - BLK - RBA - IP66



LED COLOUR

1.8KCRI	1800K CRI 90+, R9 50+
2.2KCRI	2200K CRI 90+, R9 50+
2.7KCRI	2700K CRI 90+, R9 80+
3.0KCRI	3000K CRI 90+, R9 80+
3.5KCRI	3500K CRI 90+, R9 80+
4.0KCRI	4000K CRI 90+, R9 80+

WATTAGE

20W	18.7W per metre • 5.6W module
40W	38.7W per metre • 11.6W module

OPTICS

13D	13° Beam
22D	22° Beam
40D	40° Beam
55D	55° Beam
O4512D	Oval 45° x 12° Beam
RO4512D	Oval 45° x 12° Beam Rotated 90°

DIFFUSER

PC	Polyurethane Clear

LOUVRE

BLK	Black (Standard)

PROFILE COLOUR

BLK	Black (Standard)
CST	Custom

MOUNTING

SMB	Surface Mounting Bracket
RBA	Rotating Mounting Bracket (Type A)
RBB	Rotating Mounting Bracket (Type B)

IP RATING

IP66	Outdoor Use
IP67	Outdoor Use (temporary immersion, up to 1m)

CRI 90+

HIGH-FIDELITY COLOUR RENDERING

Engineered for exceptional colour rendering. With a CRI 90+ and an R9>80 (2700K and above), our LEDs reveal the true richness of colours, ensuring a vibrant and accurate appearance, particularly for warm red and orange tones.

5 YEARS

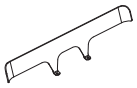
5 YEARS WARRANTY

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

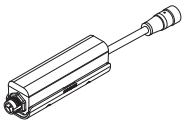
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

ACCESSORIES

	PRODUCT CODE	DESCRIPTION
	ACC-eLi-SSGS-BLK	eLi SS Single Side Glare Shield - Black [1]

[1] ACC-eLi-SSGS-BLK (eLi SS Single Side Glare Shield) not compatible with Surface Mounting Bracket

CONTROLLER

	CTR-eLi Controller-CAS-SWPWM-IP66	eLi Controller, Casambi Control, For eLi SW (PWM Output), Outdoor
	CTR-eLi Controller-DMX-SWPWM-IP66	eLi Controller, DMX (Full Frames) Control, For eLi SW (PWM Output), Outdoor
	CTR-eLi Controller-DT6SW-SWPWM-IP66	eLi Controller, DALI-2 DT6 Single White Control, For eLi SW (PWM Output), Outdoor

POWER SUPPLY FOR OUTDOOR USE

	PWR-HLG-60H-42AU	Mean Well Power Supply HLG 60W 42V
	PWR-HLG-150H-42AU	Mean Well Power Supply HLG 150W 42V
	PWR-HLG-240H-42AU	Mean Well Power Supply HLG 240W 42V
	PWR-HLG-320H-42AAU	Mean Well Power Supply HLG 320W 42V
	PWR-HLG-600H-42AB	Mean Well Power Supply HLG 600W 42V

CABLE EXTENSIONS

	CBL-LNR-OC8FO-DC/DATA-L-IP66-1M	Leader Cable with Female Outdoor Connector OC8FO, 1M DC AWG14 + DATA Cable
	CBL-LNR-OC8FO-DC/DATA-L-IP66-5M	Leader Cable with Female Outdoor Connector OC8FO, 5M DC AWG14 + DATA Cable
	CBL-LNR-OC8FO-DC/DATA-L-IP66-15M	Leader Cable with Female Outdoor Connector OC8FO, 15M DC AWG14 + DATA Cable
	CBL-LNR-OC8FO-DC/DATA-L-IP66-30M	Leader Cable with Female Outdoor Connector OC8FO, 30M DC AWG14 + DATA Cable
	CBL-LNR-OC8FO-DC/DATA-L-IP66-50M	Leader Cable with Female Outdoor Connector OC8FO, 50M DC AWG14 + DATA Cable
	CBL-LNR-OC2.1FO-DC-L-IP66-1M	Leader Cable with Female Outdoor Connector OC2.1FO, 1M DC AWG14 (for operation without controller)
	CBL-LNR-OC2.1FO-DC-L-IP66-5M	Leader Cable with Female Outdoor Connector OC2.1FO, 5M DC AWG14 (for operation without controller)
	CBL-LNR-OC2.1FO-DC-L-IP66-15M	Leader Cable with Female Outdoor Connector OC2.1FO, 15M DC AWG14 (for operation without controller)
	CBL-LNR-OC2.1FO-DC-L-IP66-30M	Leader Cable with Female Outdoor Connector OC2.1FO, 30M DC AWG14 (for operation without controller)
	CBL-LNR-OC2.1FO-DC-L-IP66-50M	Leader Cable with Female Outdoor Connector OC2.1FO, 50M DC AWG14 (for operation without controller)
	CBL-LNR-OC3MF-DC-J-IP66-0.3M	Joiner Cable with Male & Female Outdoor Connectors OC3MF, 300mm DC Cable AWG14
	CBL-LNR-OC3MF-DC-J-IP66-1.2M	Joiner Cable with Male & Female Outdoor Connectors OC3MF, 1.2M DC Cable AWG14
	CBL-LNR-OC3MF-DC-J-IP66-3M	Joiner Cable with Male & Female Outdoor Connectors OC3MF, 3M DC Cable AWG14
	CAP-LNR-M19F-DC-T-IP66	Waterproof Termination Cap for M19 Female Connector