

CALUMMA™ S SC

Featuring an optical design using nineteen high efficacy singlechip LEDs and available with optional LED colour variants and various beam angles, the small-sized Calumma S SC luminaire creates powerful and beautiful light output for a spot, accent or flood lighting solution. Its durable housing is built to withstand any exterior conditions, and its special finish for harsh and marine environments provides an exceptional outdoor LED luminaire in an elegant design. Complemented by wide range of accessories, control protocols and connection options, this luminaire is an effective and versatile unit to get the most out of architectural lighting applications.



KEY FEATURES

Lumen output & Light source

Luminaire with nineteen high-power, single-chip LEDs provides up to 1958 lumen output (@10°, RGBW). Multiple LED colour variants. No light spills. Well homogenised light output with great efficacy up to 65 lm/w.

Design & Durability

Compact, durable and stylish housing made of high-pressure die cast aluminium. IP67 and IK10 certification; suitable for marine and traffic applications. Supported with a 5 year warranty.





Flexibility

Exceptional outdoor or indoor LED luminaire with a wide range of accessories, custom colour finishes, multiple light output variants and beam angles.

Connectivity








Calumma S SC can be connected via an E-Box for almost effortless installation. DMX512+RDM and wide range of Ethernet protocols are available for E-Box control. DMX/RDM or DALI 2 interface protocols facilitate standard connection options.

CONTROL & PROTOCOLS













 DMX RDM OPTIONAL	 VIA E-BOX OPTIONAL	 DALI OPTIONAL	 ON OFF PW & SINGLE COLOR ONLY
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OPTIC OPTIONS



SYMMETRICAL

 10°	 15°	 25°	 30°
 45°	 65°	 100°	

BI-SYMMETRICAL










 10°x30°	 10°x60°	 15°x45°	 15°x90°
 30°x60°	 30°x90°	 30°x10°	 60°x10°
 45°x15°	 90°x15°	 60°x30°	 90°x30°

ASYMMETRICAL

 Asymmetrical Forward	 Asymmetrical Side
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COLOUR TEMPERATURE

* UPON REQUEST



 2.200 K *	 2.500 K *	 2.700 K *	 3.000 K
 3.500 K *	 4.000 K *	 5.000 K *	 6.500 K *
 2.700 K - 6.500 K *			

COLOURS









* UPON REQUEST

 RGBW	 RGBA	 Pure White	 Tunable White *
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FINISH OPTIONS

 Graphite Black	 Silver	 RAL Custom Paint Colour	 Harsh Environment
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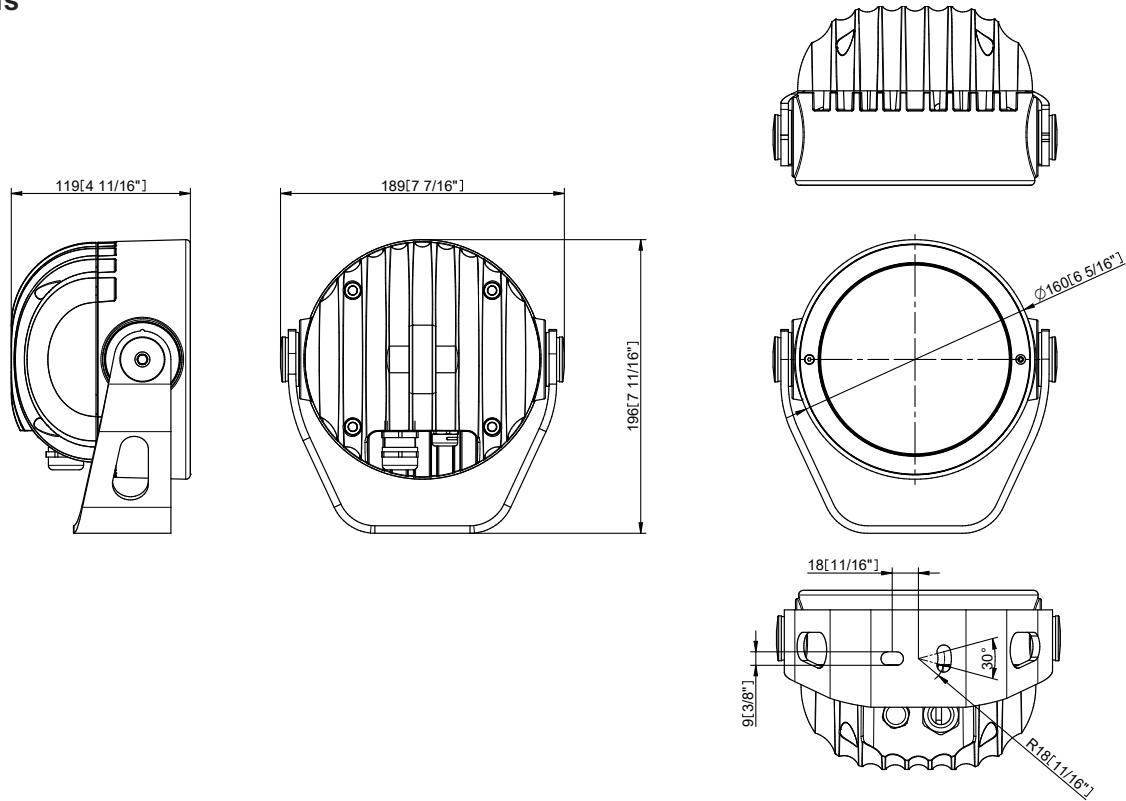
STANDARD & SPECIFICATION

 IP67	 IK10	 CE	 ETL
 ROHS	 UK CA	 5 YEAR Warranty with Registration	 Vibration Standard for Bridge

CALUMMA S SC SPECIFICATION

ELECTRICAL	Input Voltage	120 - 277 V AC 50/60 Hz (US)	
	Typical Power Consumption	30 W +/-10 %	
OPTICAL	Light Source	High Power Single Chip LEDs	
	Colour Variants	RGBW (W - 6500 K) RGBA PW (W - 3000 K)	
		Other Variants On Request (TW (2700 - 6500 K), 2200 K, 2500 K, 2700 K, 3500 K, 4000 K, 5000 K, 6500 K)	
	Beam Angle	10° 15° 25° 30° 45° 65° 100°	
		10°x30° 30°x10° 10°x60° 60°x10° 15°x45° 45°x15° 15°x90° 90°x15° 30°x60° 60°x30° 30°x90° 90°x30°	
		Asymmetrical Side Asymmetrical Forward	
Lumen Output Delivered	1958 lm (@ 10°, RGBW)	2245 lm (@ Asymmetrical Side, PW 3000 K) (preliminary)	
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F		
CONTROL	Interface Protocol	DMX/RDM, DALI 2 or ON / OFF (PW & single color only)	
	DALI 2 Device Type	DT 8	
	Control System	Third Party DMX Controllers	
	Operating Modes	DMX, Stand-alone	
	Settings / Addressing	E-Box, RDM communicator	
	Power Supply	Integrated	
PHYSICAL	Width x Height x Depth	189 x 196 x 119 mm (7.4 x 7.7 x 4.7 in.)	
	Weight	3.68 kg 8.11 lbs	Asymmetrical Beam Angles: 4.22 kg 9.28 lbs
	Housing	High Pressure Die-Cast Aluminium Body	
		Tempered Glass	
	Finish Options	Standard Colour - Graphite Black (RAL 9011) Silver (RAL 9006)	
		Cost Option - Custom RAL Harsh Environment / C5M (RAL 9016, RAL 9011)	
	Cables / Connections	IN (for DMX, DALI):	- 1 m cable with bare end - Other cable length - custom - Junction box - optional
	Mounting Method	Yoke	
	Adjustability	+180° / -180°	
	Protection Factor	IP67 / Suitable For Wet Locations	
IK Rating	IK10		
Cooling System	Convection		
Operating Ambient Temperature	-20 °C / +50 °C (-4 °F / +122 °F)		
CERTIFICATION	Listings	ETL / cETL, CE, RoHS, UKCA	
ACCESSORIES		Junction Box for Calumma	
		Optical Demo Set for Calumma S	
		Top Hat Calumma S	
		Half Top Hat Calumma S	
		Tenon Adaptor	
		Floor Stand for Calumma S, M	
	Pole Adaptor (ø 102mm)		

DIMENSIONS

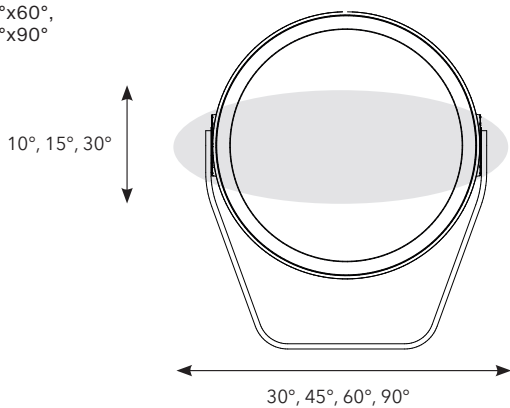


PROJECTED AREA

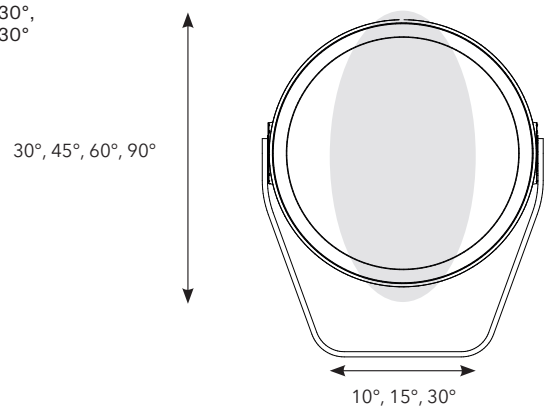
	Front (rear) - m ²	Front (rear) ft ²	Side - m ²	Side - ft ²	Top - m ²	Top - ft ²
Calumma S	0,023	0,250	0,019	0,207	0,018	0,196
with Top Hat	0,023	0,250	0,027	0,290	0,027	0,290
with Half Top Hat	0,023	0,250	0,022	0,232	0,027	0,290

BI-SYMMETRICAL BEAM ANGLES

Bi-symmetrical:
10°x30°,
10°x60°,
15°x45°,
15°x90°,
30°x60°,
30°x90°



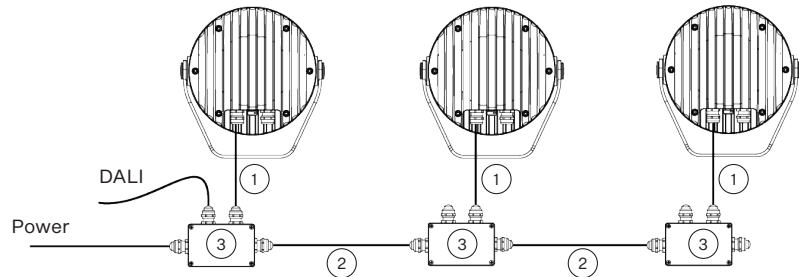
Bi-symmetrical:
30°x10°,
60°x10°,
45°x15°,
90°x15°,
60°x30°,
90°x30°



CONTROL AND CONNECTION OPTIONS - CE

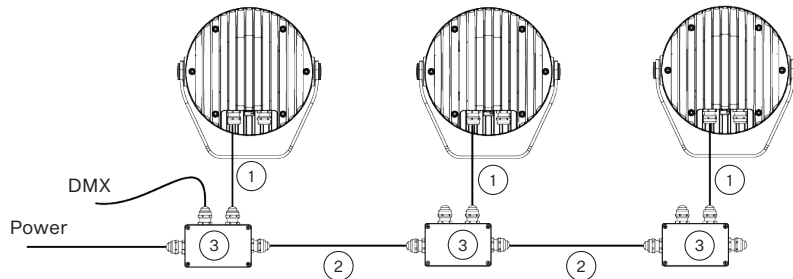
DALI

- 1) SJTW 5x 14AWG (13053336)
Standard 1 m with bare-end
- 2) SJTW 5x 14AWG (13053336)
or Scope of Others
- 3) Junction Box for Calumma



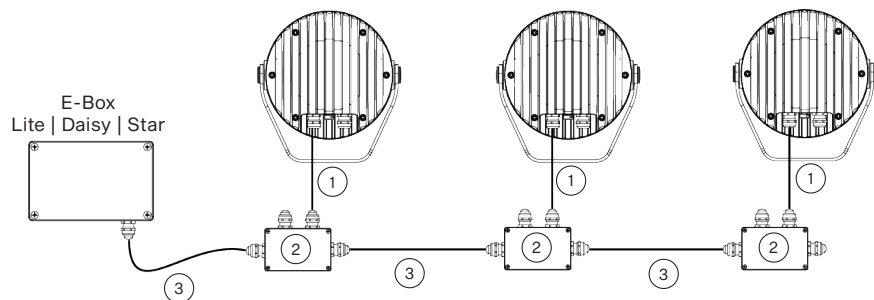
DMX

- 1) Flamar 3x AWG 16 + 1 x (2x AWG 24)
Standard 1 m with bare-end
(13051508)
- 2) Flamar 3x AWG 16 + 1 x (2x AWG 24)
(13051508)
or Scope of Others
- 3) Junction Box for Calumma



DMX or ETHERNET via E-BOX

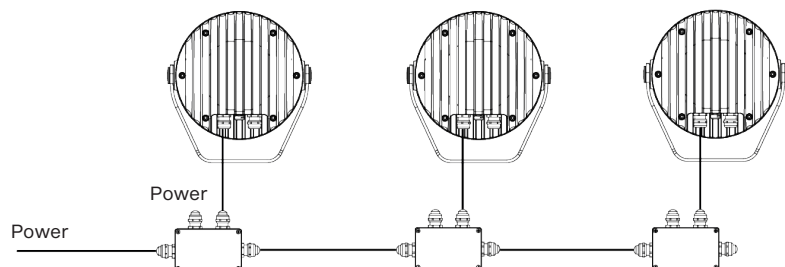
- 1) Flamar 3x AWG 16 + 1 x (2x AWG 24)
(13051508), Standard 1 m with bare-end
- 2) Junction Box for Calumma
- 3) Flamar 3x AWG 16 + 1 x (2x AWG 24)
(13051508)
or Scope of Others



Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.

ON/OFF

Note: This type of connection is available for Pure White and single color version only. Non dimmable.

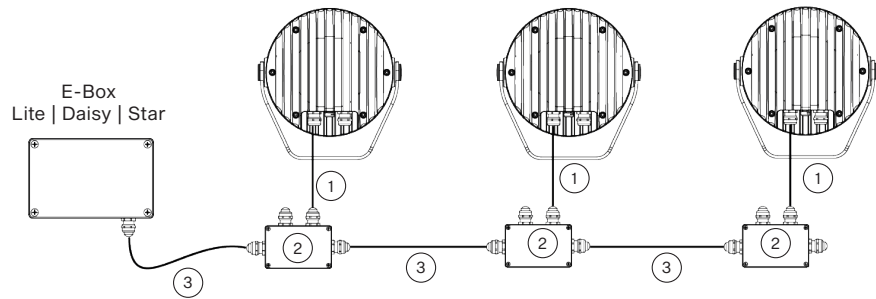


CONTROL AND CONNECTION OPTIONS - US

DMX or ETHERNET via E-BOX

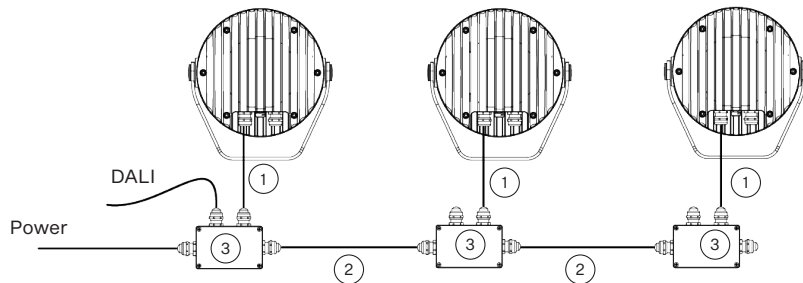
- 1) SJTW 6x 14AWG (13053480)
Standard 1 m with bare-end
- 2) Junction Box for Calumma
- 3) SJTW 6x 14AWG (13053480)
or Scope of Others

Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.



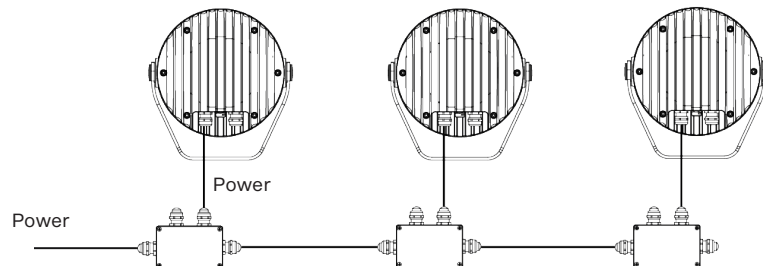
DALI

- 1) SJTW 5x 14AWG (13053336)
Standard 1 m with bare-end
- 2) SJTW 5x 14AWG (13053336)
or Scope of Others
- 3) Junction Box for Calumma



ON/OFF

Note: This type of connection is available for Pure White and single colour version only. Non dimmable.



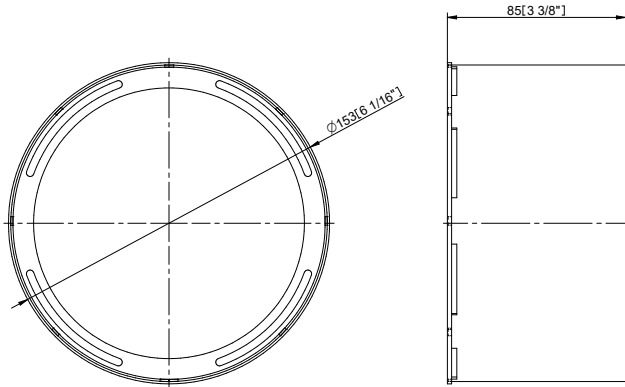
CONNECTIVITY

Following table shows maximum connected Calummas S SC in a row with respect of cable length.

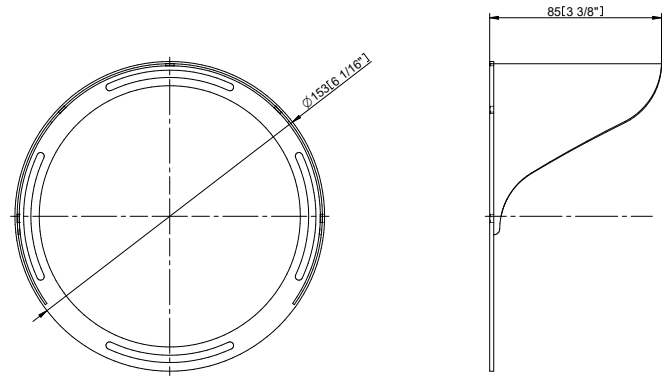
	Cable length (m)	Voltage (V)			
		120	190	230	277
CALUMMA S SC	10	32	32	32	32
	20	32	32	32	32
	30	32	32	32	32
	50	26	32	32	32
	70	18	32	32	32
	100	13	32	32	32

ACCESSORIES

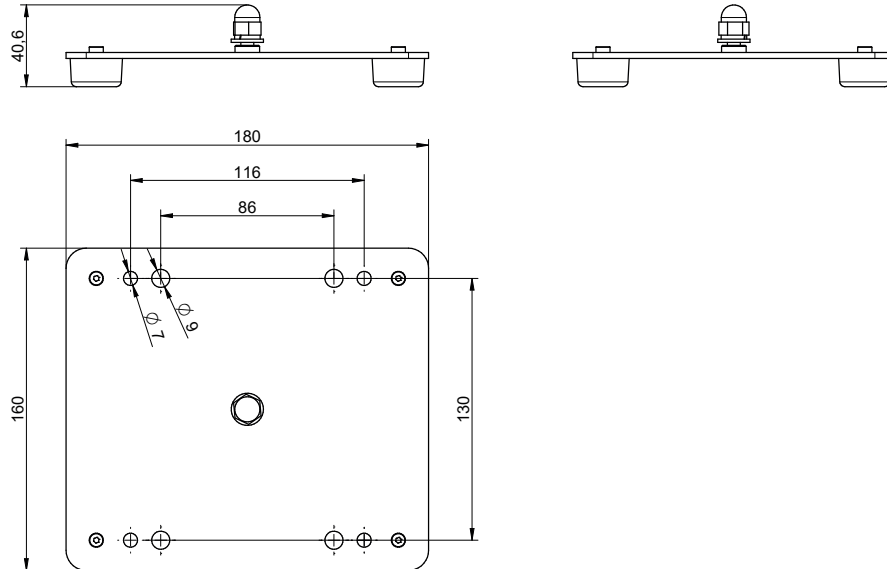
Top Hat



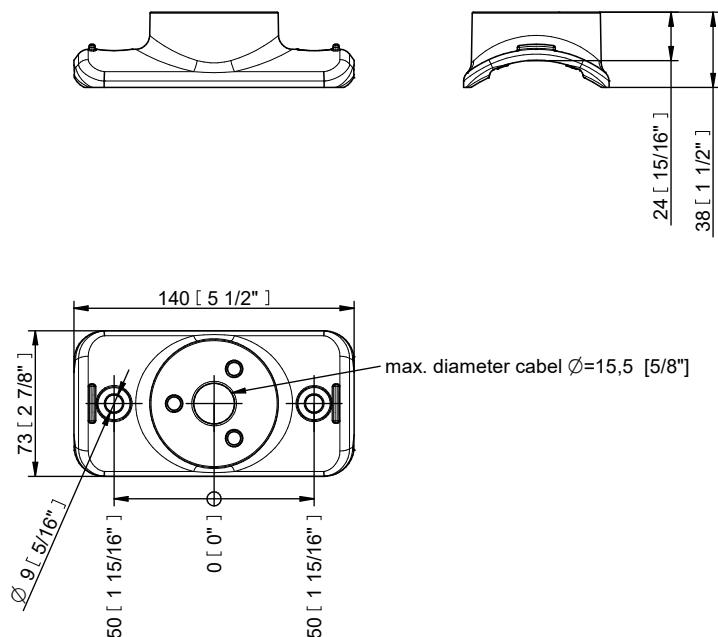
Half Top Hat



Floor Stand



Pole Adaptor

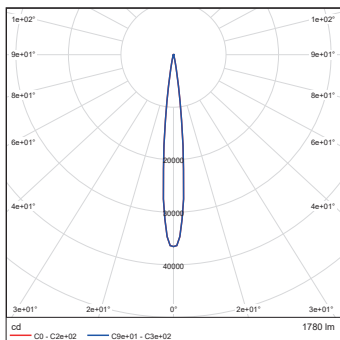


PHOTOMETRIC OVERVIEW

	Lumen Output (lm)		
	RGBCW (W 6500 K)	RGBA	WW (W 3000 K)
10°	1958	1373	2424
15°	1784	1251	2208
25°	1744	1223	2159
30°	1712	1200	2119
45°	1748	1226	2164
65°	1713	1201	2120
100°	1735	1217	2148
10° x 30°, 30° x 10°	1723	1208	2133
10° x 60°, 60° x 10°	1714	1202	2122
15° x 45°, 45° x 15°	1789	1254	2215
30° x 60°, 60° x 30°	1704	1195	2109
30° x 90°, 90° x 30°	1606	1126	1988
15° x 90°, 90° x 15°	1687	1183	2088

PHOTOMETRIC DATA

Calumma S SC RGBW 10dg



Calumma S SC PW 3000 K
Asymmetrical Side **PRELIMINARY**

