

CALUMMA™ S MC

Featuring an optical design using three high efficacy multi-chip LEDs and available with optional LED colour variants and various beam angles, the small-sized Calumma S MC 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 a wide range of accessories, control protocols and connection options, this luminaire is an effective and versatile tool to get the most out of architectural lighting applications.



KEY FEATURES

Lumen output & Light source

Luminaire with three high-power, multi-chip LEDs provides up to 993 lumen output. Multiple LED colour variants. No light spills. Perfectly homogenised light output with efficacy up to 33 lm/w.

Design & Durability

Compact, durable and stylish housing made of high-pressure die cast aluminium. IP67 and IK10 certification; suitable for marine applications (Harsh Environment Finish required) 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 MC 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.

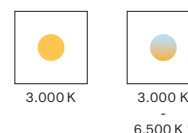
COLOURS

* UPON REQUEST



COLOUR TEMPERATURE

* UPON REQUEST

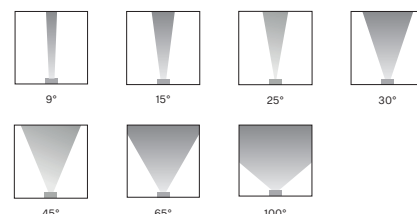


CONTROL & PROTOCOLS

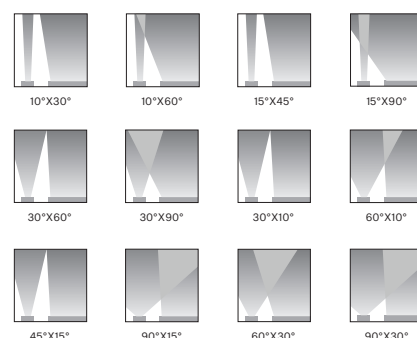


OPTIC OPTIONS

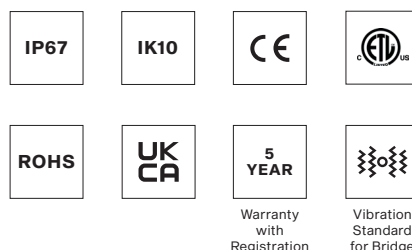
SYMMETRICAL



BI-SYMMETRICAL

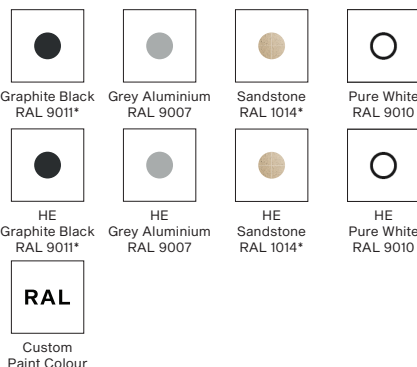


STANDARD & SPECIFICATION



FINISH OPTIONS

* CLOSEST RAL TONE
* HE = Harsh Environment



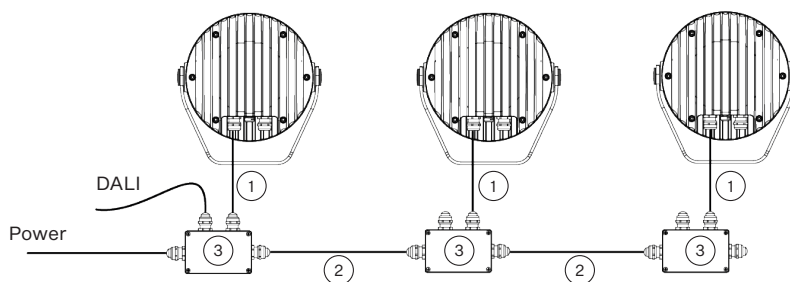
SPECIFICATION

ELECTRICAL	Input Voltage	120 - 277 V AC 50/60 Hz (US)	
	Typical Power Consumption	30 W +/-10 %	
OPTICAL	Light Source	High Power Multichip LEDs	
	Colour Variants	RGBW (W - 6500 K) RGBA PW (W - 3000 K)	
		Other Variants On Request (TW 3000 - 6500 K)	
	Beam Angle	9° 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°	
	Lumen Output Delivered	993 lm (@9° RGBW)	
CONTROL	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
	Interface Protocol	DMX/RDM, DALI 2 (DALI 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	3.44 kg 7.6 lbs	
	Housing	High Pressure Die-Cast Aluminium Body	
		Tempered Glass	
	Finish Options	Standard Colour	Graphite Black RAL 9011 Grey Aluminium RAL 9007 Pure White RAL 9010 Sandstone RAL 1014
		Standard Colour Harsh Environment	Graphite Black RAL 9011 Grey Aluminium RAL 9007 Pure White RAL 9010 Sandstone RAL 1014
		Cost Option	Custom RAL
	Cables / Connections	IN (for DMX, DALI):	- 1 m cable with bare end - Other cable length - custom - Junction box - optional
	Mounting Method	Yoke or Yoke for Pole Adaptor	
	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	Not Included Items	Junction Box for Calumma S / Eminere	
		Junction Box (CE or US)	
		Re-enterable Electrical Insulating Resin	
		Optical Demo Set for Calumma S (for demo purposes)	
		Outdoor Foil Holder for Calumma S „OFH“ version only (for permanent installation)	
		Optical Foil Set for Outdoor Foil Holder Calumma S	
		Land Spike for Calumma S	
		Top Hat Calumma S	
		Half Top Hat Calumma S	
		Floor Stand for Calumma S, M	
		Tenon Adaptor	
		Pole Adaptor (ø 102mm) (Yoke for Pole Adaptor Required)	

CONTROL AND CONNECTION OPTIONS - CE

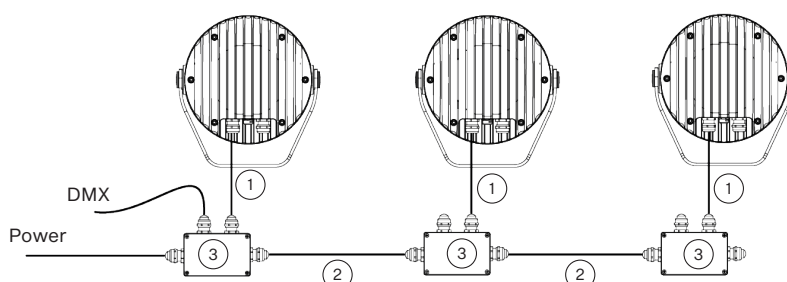
DALI

- 1) Hybrid Cable (1305 3693)
Standard 1 m with bare-end
- 2) Hybrid Cable (1305 3693)
or Scope of Others
- 3) Junction Box



DMX

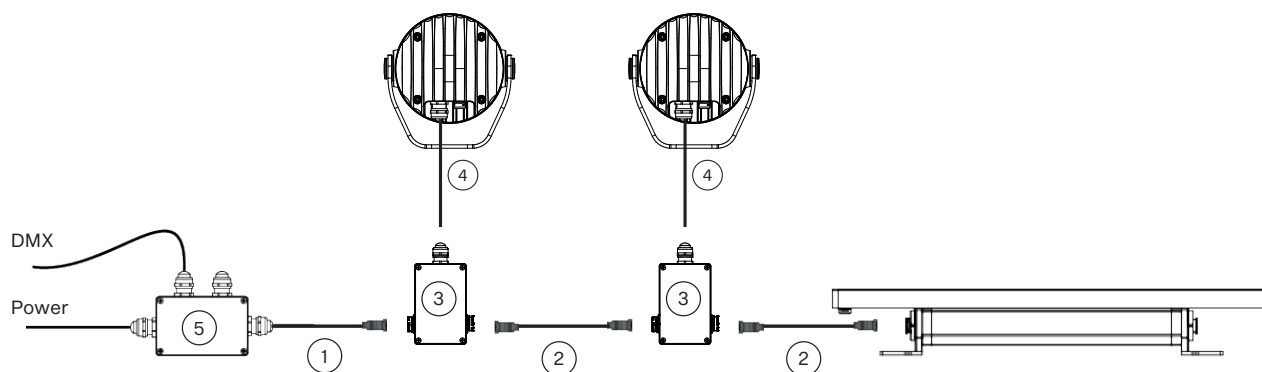
- 1) Flamar 3x AWG 16 + 1 x (2x AWG 24)
Standard 1 m with bare-end, (13051508), black
or
Hybrid Cable HYB-5731ZH LSZH (13053694), white
- 2) Flamar 3x AWG 16 + 1 x (2x AWG 24), (13051508), black
or
Hybrid Cable HYB-5731ZH LSZH (13053694) white
or
Scope of Others
- 3) Junction Box



DMX WITH JUNCTION BOX FOR CALUMMA S / EMINERE

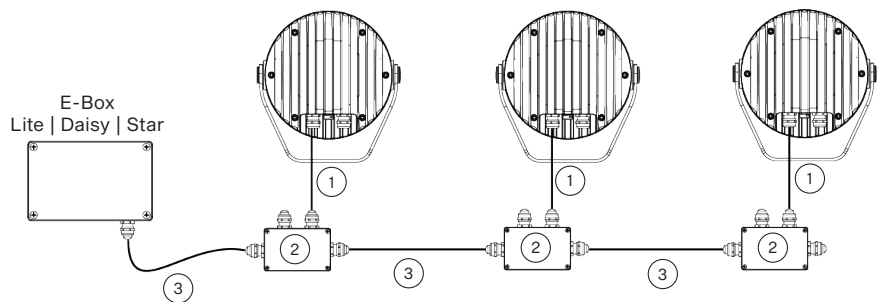
- 1) Leader Cables FF for Eminere - 2 | 5 | 10 | 25 | 50 m
- 2) Jumper Cables FF/FM for Eminere - 0,25 | 0,5 | 1 | 2 | 3 | 5 | 10 m
- 3) Junction Box for Calumma S / Eminere (10981268 for RAL9011)
- 4) Flamar 3x AWG 16 + 1 x (2x AWG 24) Standard 1 m with bare-end, (13051508), black or
Hybrid Cable HYB-5731ZH LSZH (13053694), white
- 5) Junction Box

Note: The last unplugged connector must be fitted with a Waterproof Cap to protect the IP rating.



DMX or ETHERNET via E-BOX

- 1) Flamar 3x AWG 16 + 1x (2x AWG 24) (13051508), Standard 1 m with bare-end, black or Hybrid Cable HYB-5731ZH LSZH (13053694), white
- 2) Junction Box
- 3) Flamar 3x AWG 16 + 1 x (2x AWG 24), (13051508), black or Hybrid Cable HYB-5731ZH LSZH (13053694) white or Scope of Others

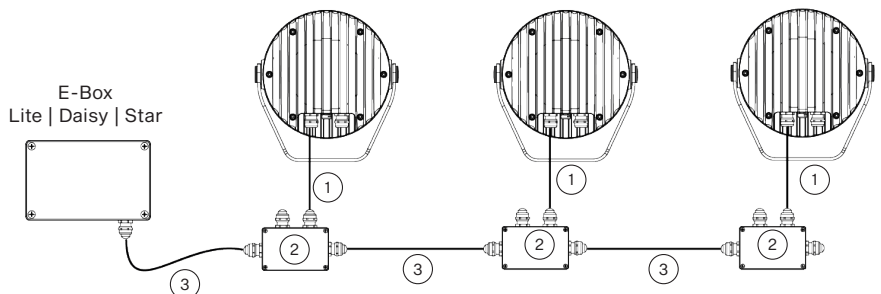


Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.

CONTROL AND CONNECTION OPTIONS - US

DMX or ETHERNET via E-BOX

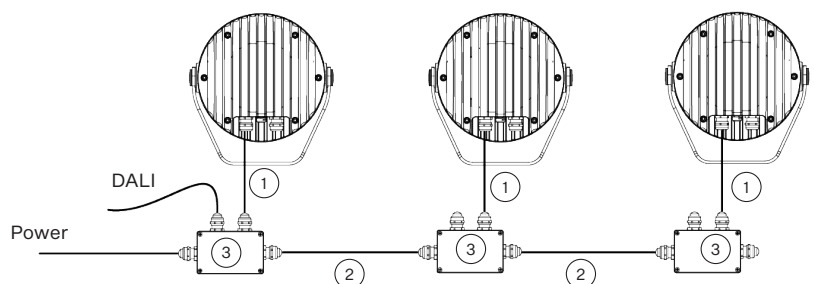
- 1) SJTW 6x 14AWG (13053480) Standard 1 m with bare-end, black or Cable SJTW 6x 14AWG (13053695), white
- 2) Junction Box
- 3) SJTW 6x 14AWG (13053480), black or Cable SJTW 6x 14AWG (13053695), white or Scope of Others



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

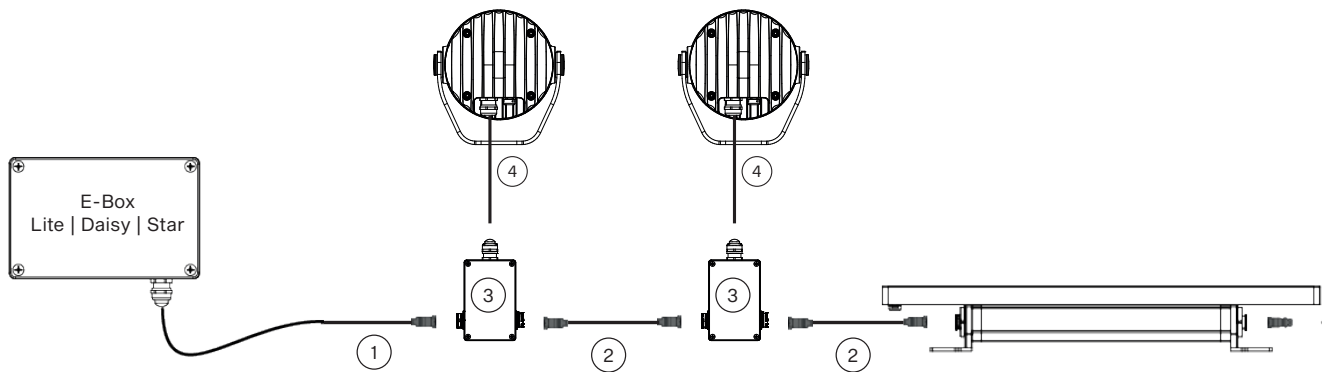
- 1) SJTW 5x 14AWG (13053336), Standard 1 m with bare-end, black or Cable SJTW 5x 14AWG (13053697), white
- 2) SJTW 5x 14AWG (13053336), black or Cable SJTW 5x 14AWG (13053697), white or Scope of Others
- 3) Junction Box



DMX WITH JUNCTION BOX FOR CALUMMA S / EMINERE (US)

- 1) Leader Cables FF for Eminere - 2 | 5 | 10 | 25 | 50 m
- 2) Jumper Cables FF/FM for Eminere - 0,25 | 0,5 | 1 | 2 | 3 | 5 | 10 m
- 3) Junction Box for Calumma S / Eminere (10981269 for RAL9011)
- 4) SJTW 6x 14AWG (13053480) Standard 1 m with bare-end, black or Cable SJTW 6x 14AWG (13053695), white

Note: The last unplugged connector must be fitted with a Waterproof Cap to protect the IP rating.



CONNECTIVITY

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

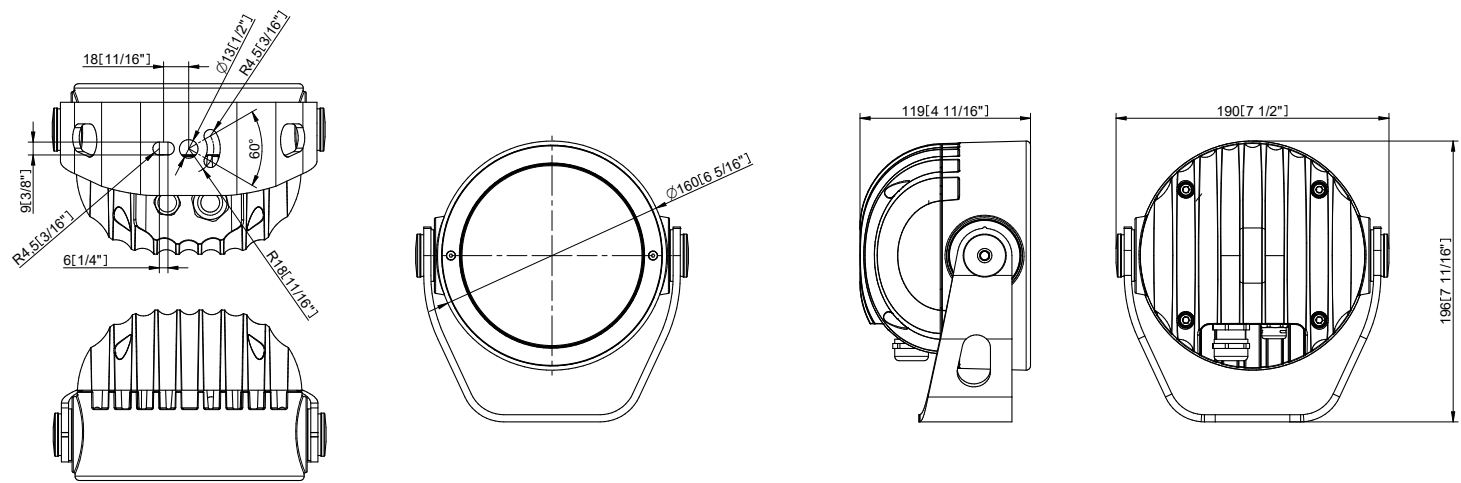
		Cable length (m)	Voltage (V)			
			120	190	230	277
CALUMMA S MC	10	32	32	32	32	32
	20	32	32	32	32	32
	30	32	32	32	32	32
	50	26	32	32	32	32
	70	18	32	32	32	32
	100	13	32	32	32	32

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

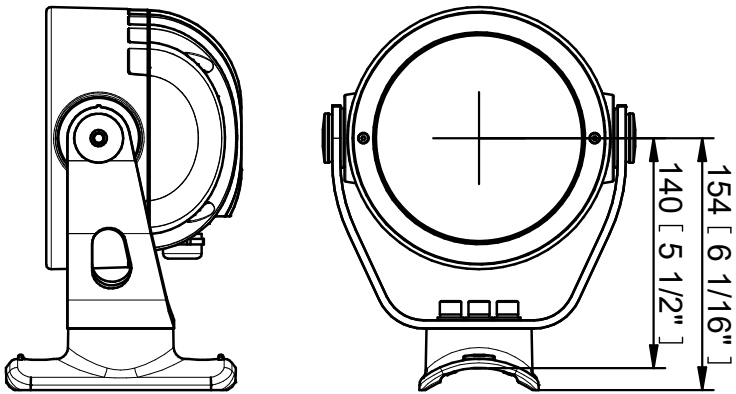
DIMENSIONS

Standard Yoke



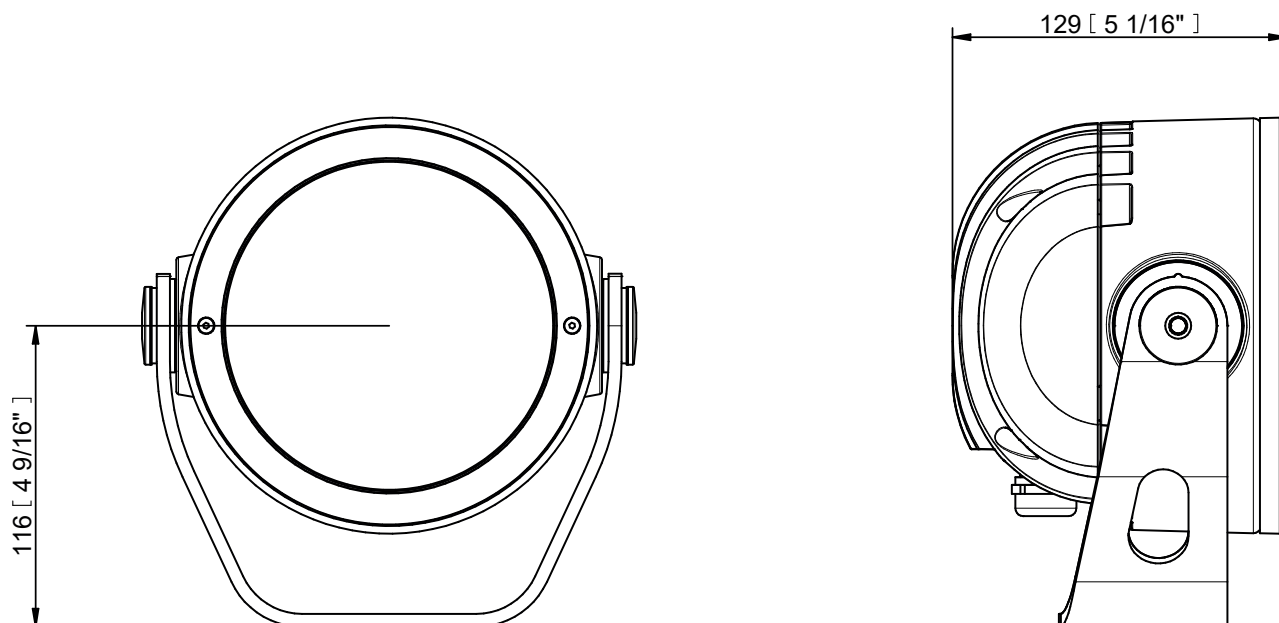
Yoke for Pole Adaptor (with Pole Adaptor / PA)

Example of ordering code: Calumma S MC RGBCW 15° PA



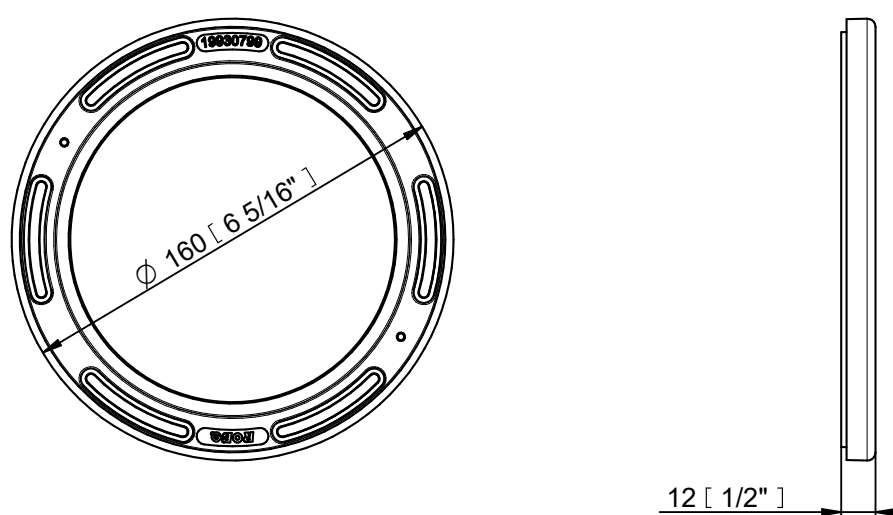
Outdoor Foil Holder for Calumma S „OFH“ version only (for permanent installation)

Example of ordering code: Calumma S MC CE RGBCW 9° RAL9007 OFH

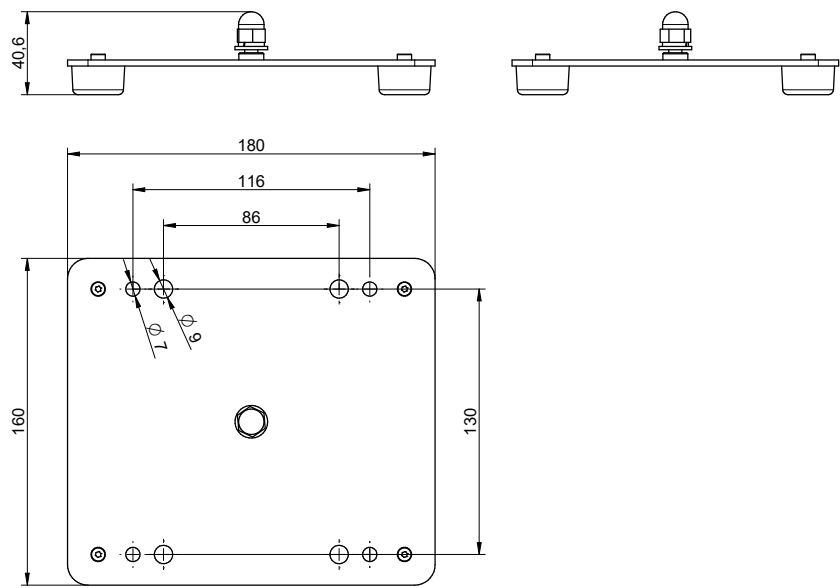


ACCESSORIES

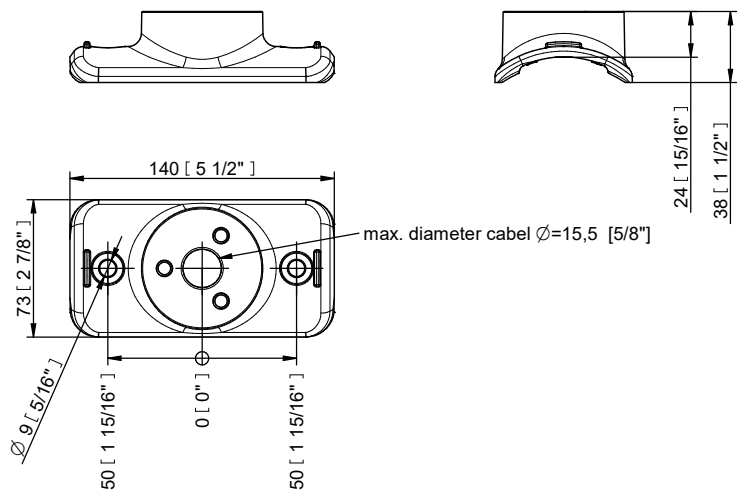
Outdoor Foil Holder for Calumma S



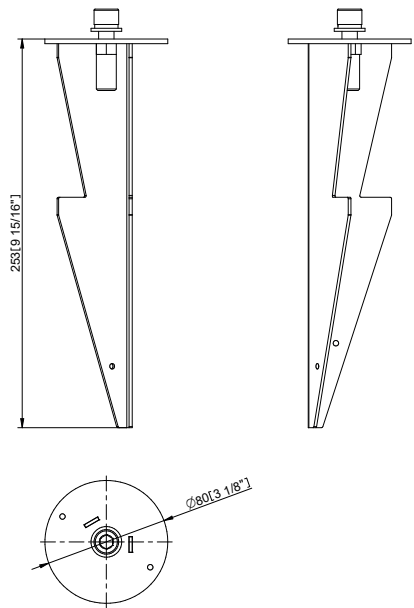
Floor Stand



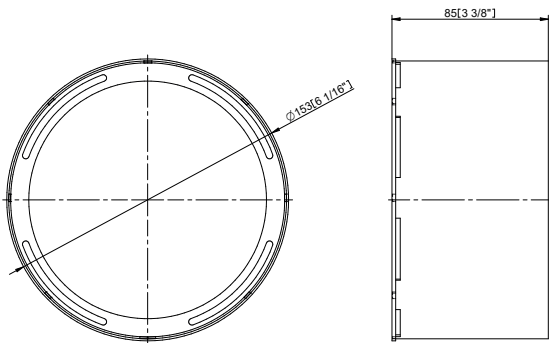
Pole Adaptor



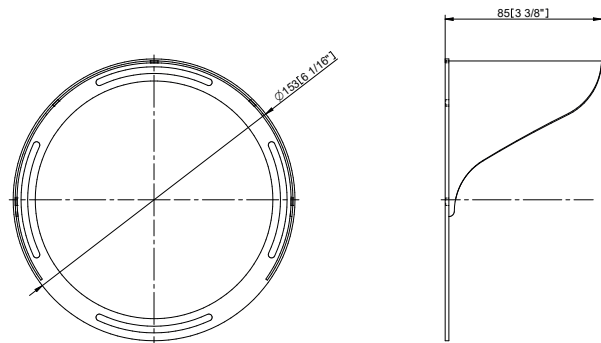
Land Spike for Calumma (S, M, L, XL)



Top Hat



Half Top Hat

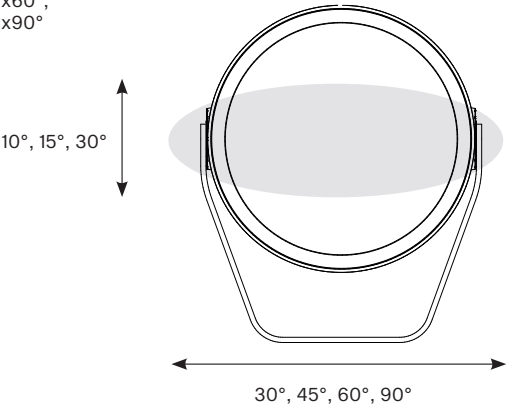


PHOTOMETRIC OVERVIEW

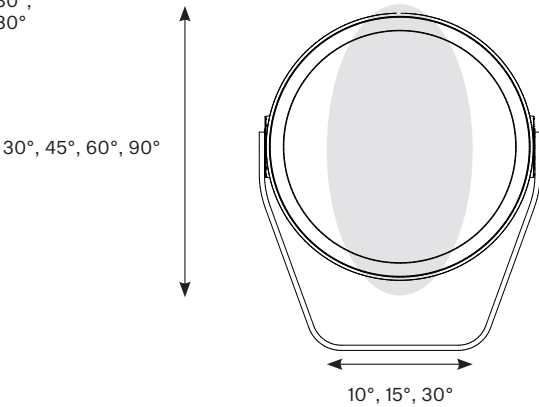
	Lumen Output (lm)		
	RGBCW (W 6500 K)	RGBA	WW (W 3000 K)
9°	993	852	847
15°	768	659	655
25°	762	653	650
30°	751	644	640
45°	761	653	649
65°	761	653	649
100°	753	646	642
10° x 30°, 30° x 10°	720	617	614
10° x 60°, 60° x 10°	800	686	682
15° x 45°, 45° x 15°	815	699	695
30° x 60°, 60° x 30°	757	649	645
30° x 90°, 90° x 30°	816	700	696
15° x 90°, 90° x 15°	904	773	769

BI-SYMMETRICAL BEAM ANGLES

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

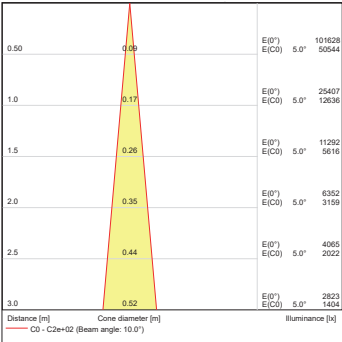
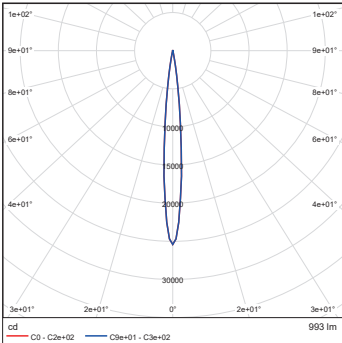


Bi-symmetrical:
30°x10°,
60°x10°,
45°x15°,
90°x15°,
60°x30°,
90°x30°

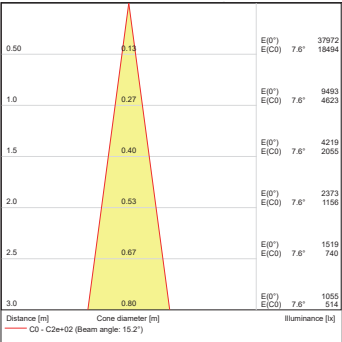
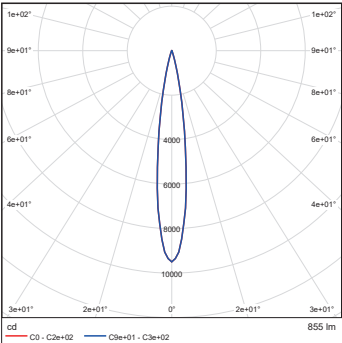


PHOTOMETRIC DATA

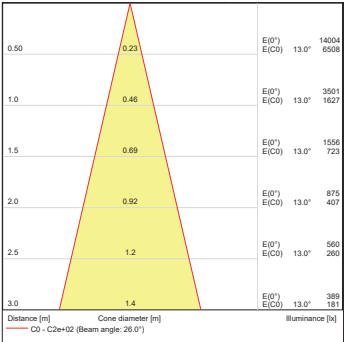
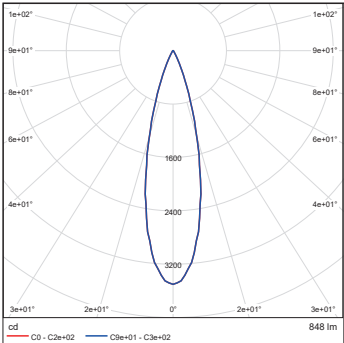
Calumma S MC RGBW 6500K 10dg



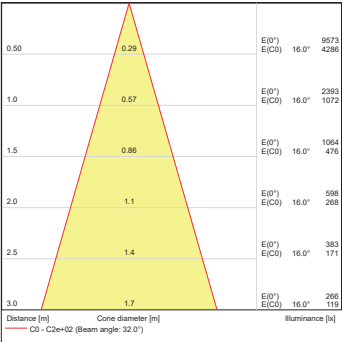
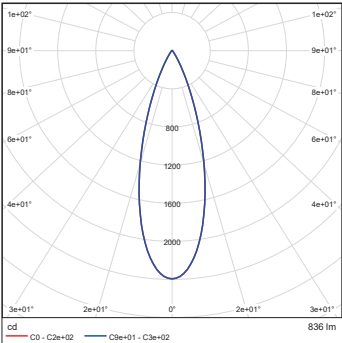
Calumma S MC RGBW 6500K 15dg



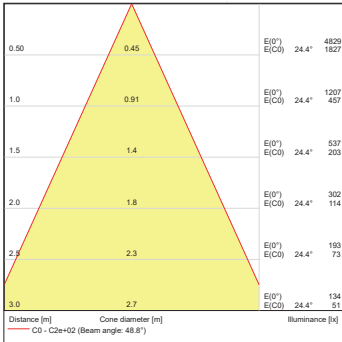
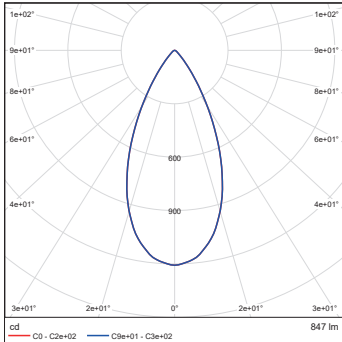
Calumma S MC RGBW 6500K 25dg



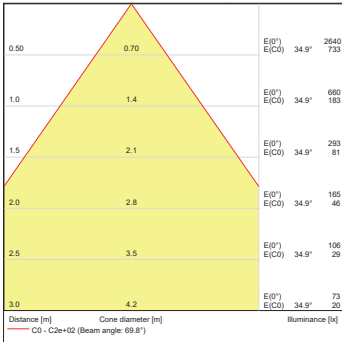
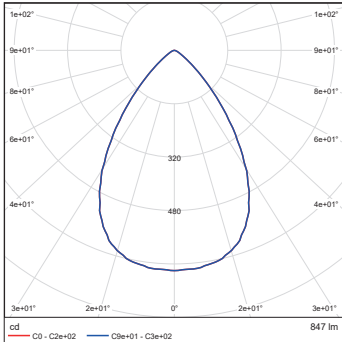
Calumma S MC RGBW 6500K 30dg



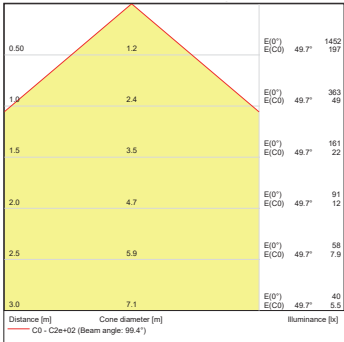
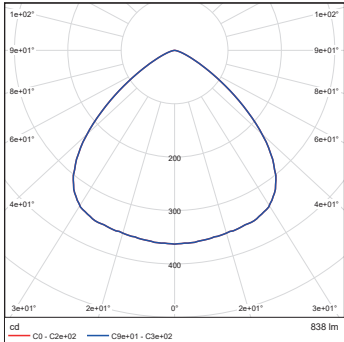
Calumma S MC RGBW 6500K 45dg



Calumma S MC RGBW 6500K 65dg

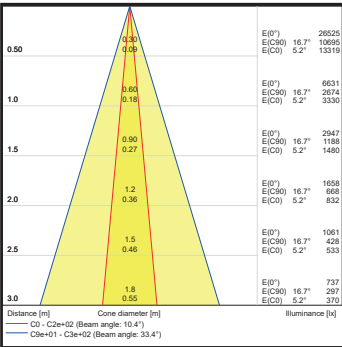
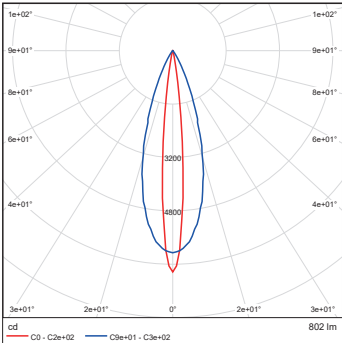


Calumma S MC RGBW 6500K 100dg

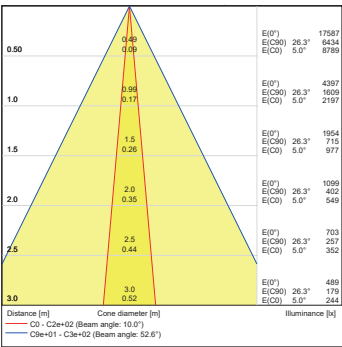
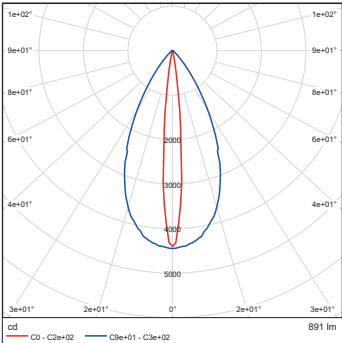


PHOTOMETRIC DATA

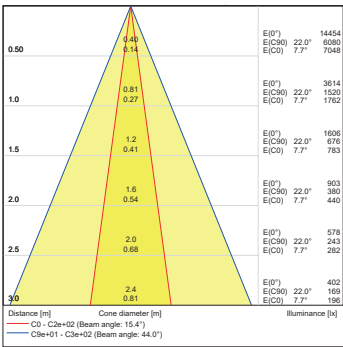
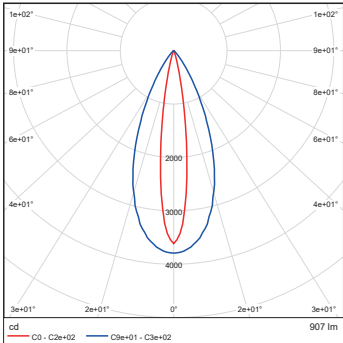
Calumma S MC RGBW 6500K
10x30dg



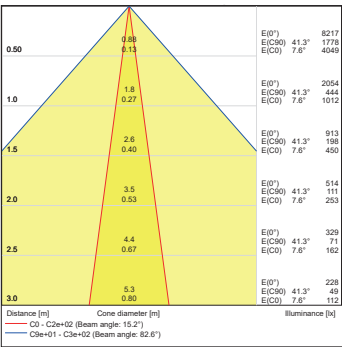
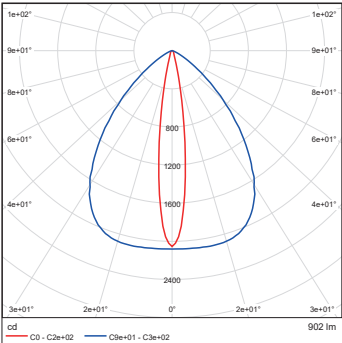
Calumma S MC RGBW 6500K
10x60dg



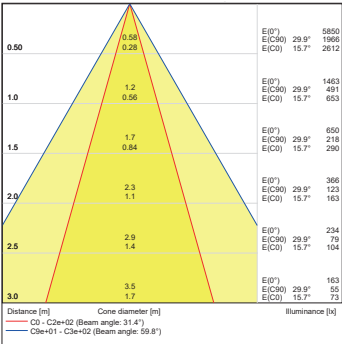
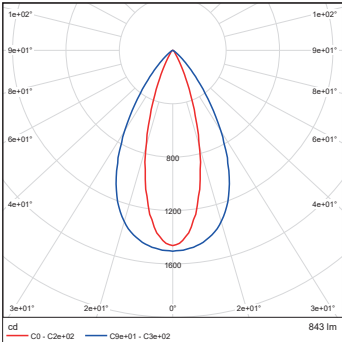
Calumma S MC RGBW 6500K
15x45dg



Calumma S MC RGBW 6500K
15x90dg



Calumma S MC RGBW 6500K
30x60dg



Calumma S MC RGBW 6500K
30x90dg

