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 fi nish 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 998 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

RGBW | RGBA | Pure White | Tuneable White *

CONTROL & PROTOCOLS

DMX RDM — OPTIONAL
VIA E-BOX — OPTIONAL
DALI — OPTIONAL

STANDARD & SPECIFICATION

IP67 | IK10 | CE | ETL US | ROHS | UKCA | 5 YEAR Warranty with Registration | Vibration Standard for Bridge

FINISH OPTIONS

* CLOSEST RAL TONE
* HE = Harsh Environment

Graphite Black RAL 9011* | Grey Aluminium RAL 9007 | Sandstone RAL 1014* | Pure White RAL 9010
HE Graphite Black RAL 9011* | HE Grey Aluminium RAL 9007 | HE Sandstone RAL 1014* | HE Pure White RAL 9010
RAL — Custom Paint Colour

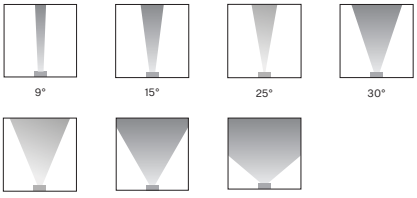
COLOUR TEMPERATURE

* UPON REQUEST

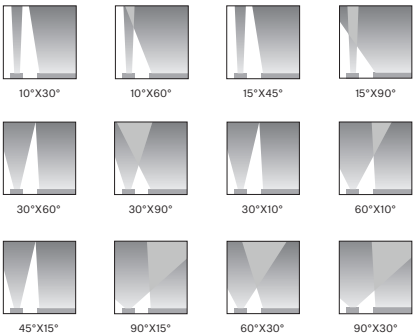
3.000 K | 3.000 K - 6.500 K *

OPTIC OPTIONS

SYMMETRICAL



BI-SYMMETRICAL



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	998 lm (@9° RGBW)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
CONTROL	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-XL / Eminere (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	
		Pole Adaptor (ø 102 mm) (Yoke for Pole Adaptor Required)	

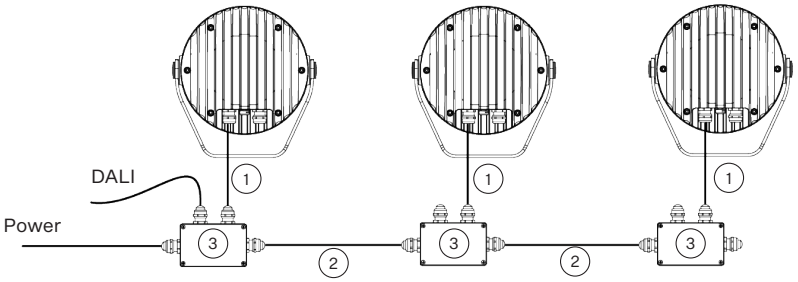
CONTROL AND CONNECTION OPTIONS - CE

DALI

1) Hybrid Cable (13053693) Standard 1 m with bare-end, black or on request Hybrid Cable (13053697), 1 m with bare-end, white

2) Hybrid Cable (13053693) Standard 1 m with bare-end, black, or on request Hybrid Cable (13053697), 1 m with bare-end, white or Scope of Others

3) Junction Box

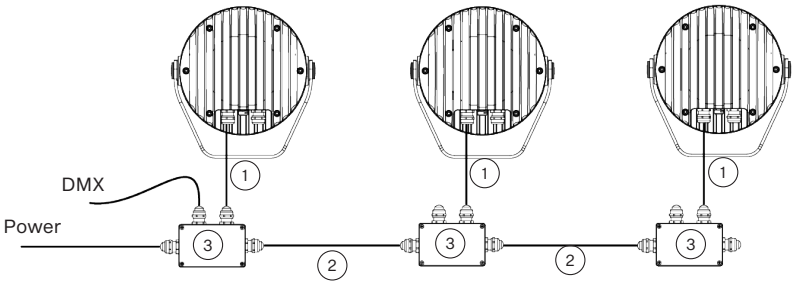


DMX

1) Flamar 3x16 AWG + 1x(2x24 AWG) Standard 1 m with bare-end, (13051508), black or Hybrid Cable HYB-5731ZH LSZH (13053694), white

2) Flamar 3x16 AWG + 1x(2x24 AWG), (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 (CE)

1) Leader Cables FF - 2 | 5 | 10 | 25 | 50 m

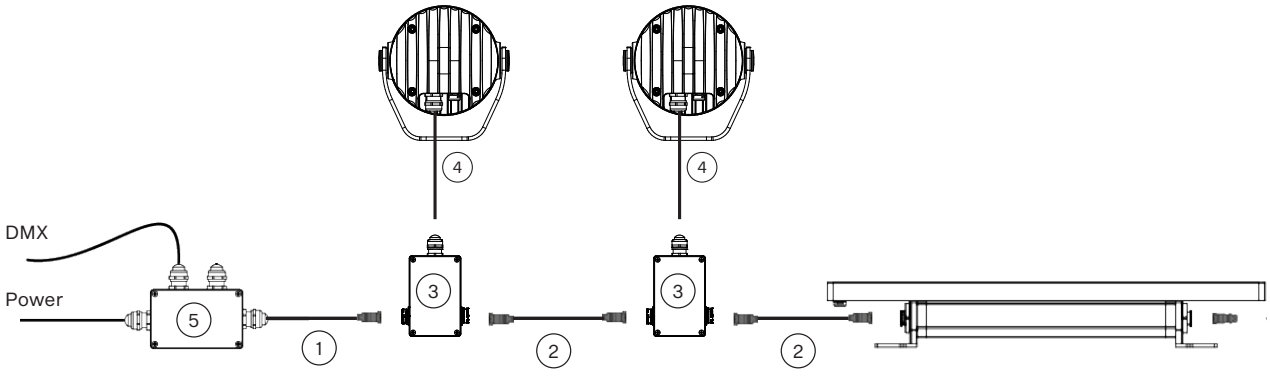
2) Jumper Cables FF/FM - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m

3) Junction Box for Calumma S-XL / Eminere CE (10981268 for RAL9011)

4) Flamar 3x16 AWG + 1x(2x24 AWG) 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.

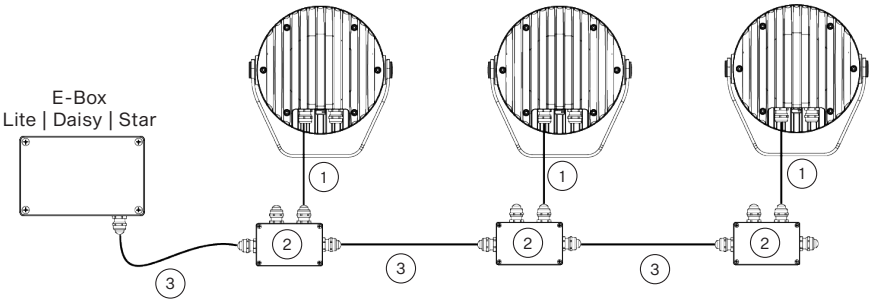


CONTROL AND CONNECTION OPTIONS - CE

DMX or ETHERNET via E-BOX

1) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), Standard 1 m with bare-end, black or HYB-5731ZH LSZH (13053694), Hybrid Cable, white
2) Junction Box
3) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), black or HYB-5731ZH LSZH (13053694), Hybrid Cable, white or Scope of Others

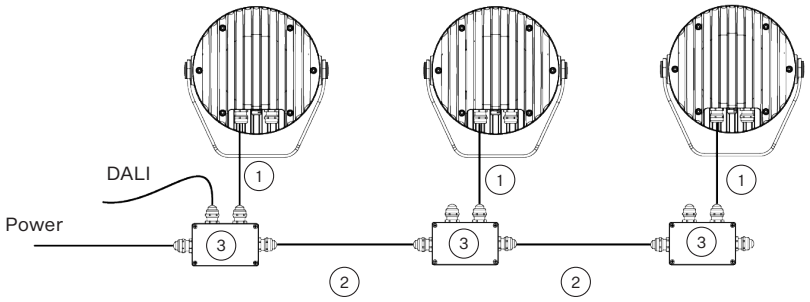
Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.



CONTROL AND CONNECTION OPTIONS - US

DALI

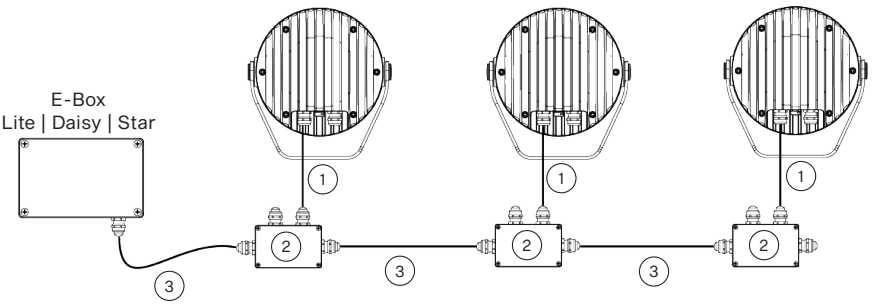
1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black or Cable SJTW 5x14 AWG (13053697), white
2) SJTW 5x14 AWG (13053693), black or Cable SJTW 5x14 AWG (13053697), white or Scope of Others
3) Junction Box



DMX or ETHERNET via E-BOX

1) SJTW 6x14 AWG (13053480) Standard 1 m with bare-end, black or Cable SJTW 6x14 AWG (13053695), white
2) Junction Box
3) SJTW 6x14 AWG (13053480), black or Cable SJTW 6x14 AWG (13053695), white or Scope of Others

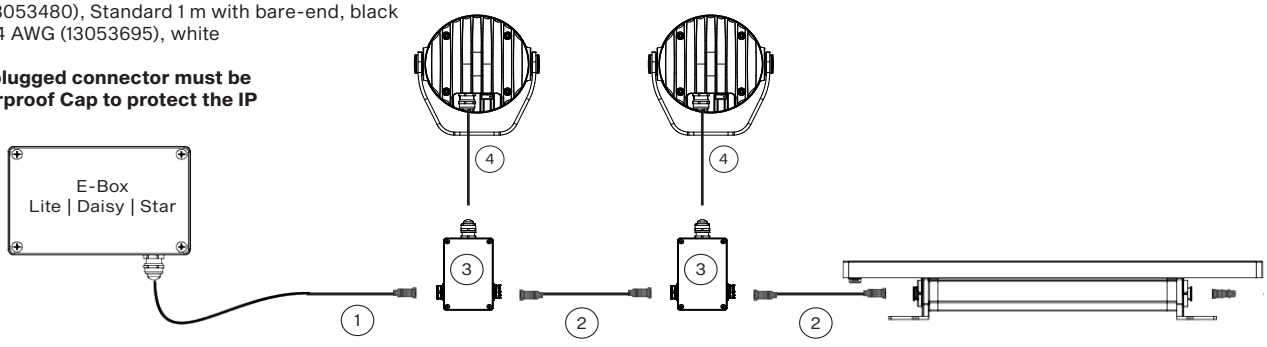
Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.



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

1) Leader Cables FF - 2 | 5 | 10 | 25 | 50 m
2) Jumper Cables FF/FM - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m
3) Junction Box for Calumma S-XL / Eminere US (10981269 for RAL9011)
4) SJTW 6x14 AWG (13053480), Standard 1 m with bare-end, black or Cable SJTW 6x14 AWG (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 SC in a row with respect of cable length.

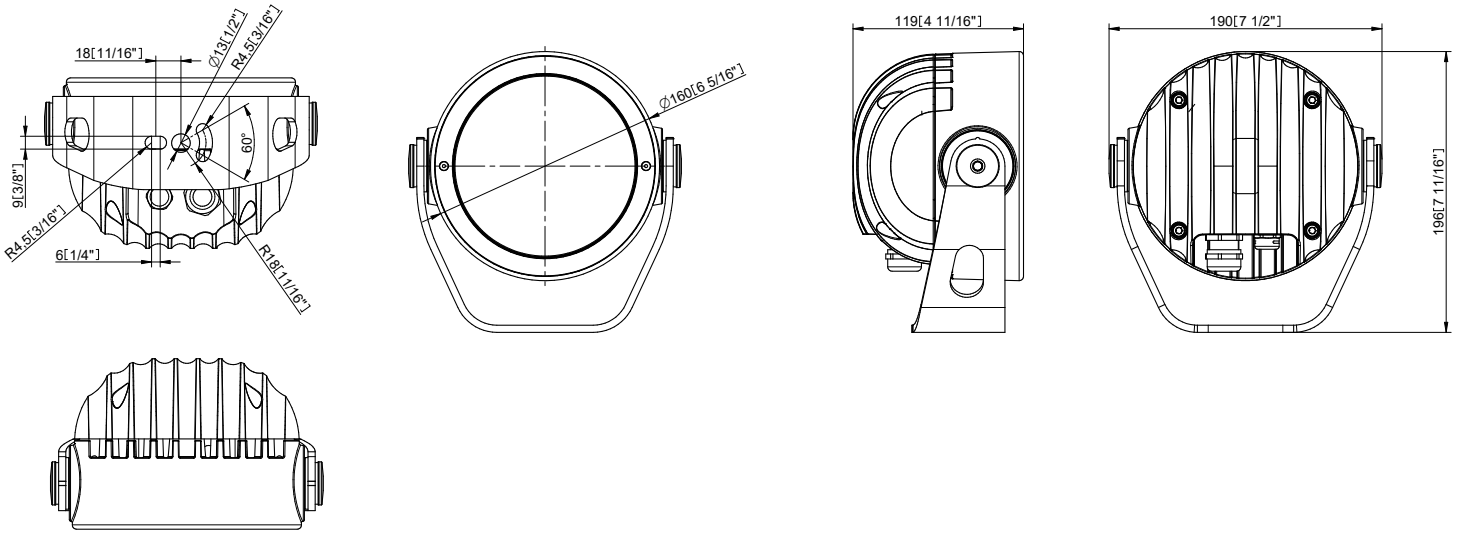
	Cable length (m)	Voltage (V)			
		120	190	230	277
CALUMMA S SC	10	32	32	32	32
	20	32	32	32	32
	30	32	32	32	32
	50	26	32	32	32
	70	18	32	32	32
	100	13	32	32	32

PROJECTED AREA

	Front (rear) - m²	Front (rear) ft²	Side - m²	Side - ft²	Top - m²	Top - ft²
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

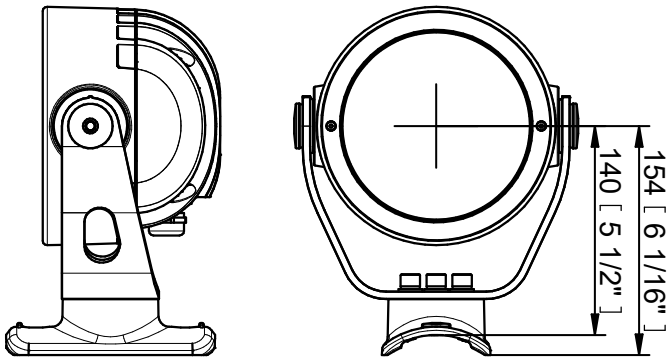
DIMENSIONS

Standard Yoke



Yoke for Pole Adaptor (with Pole Adaptor / PA)

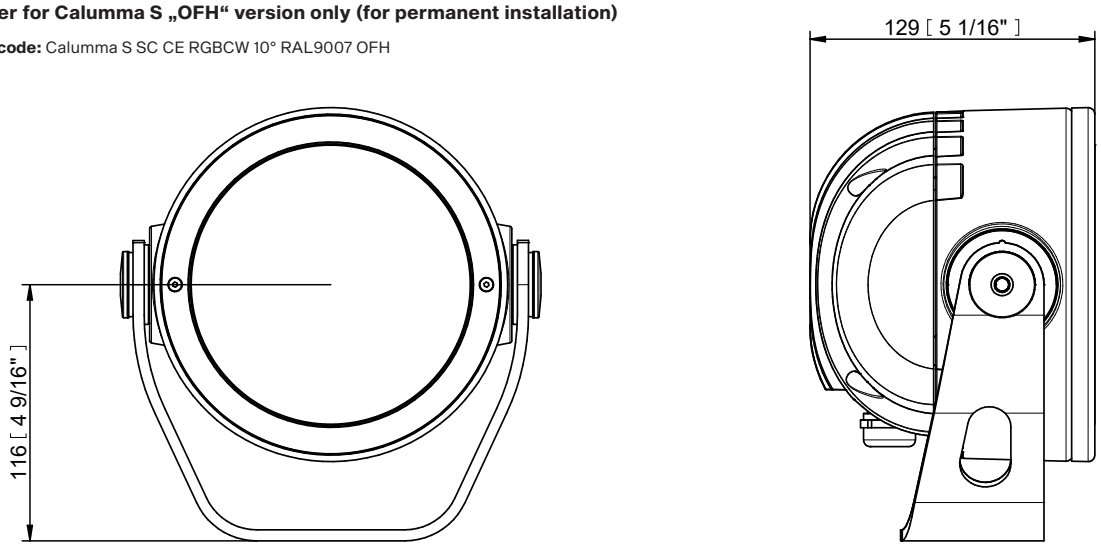
Example of ordering code: Calumma S SC RGBCW 15° PA



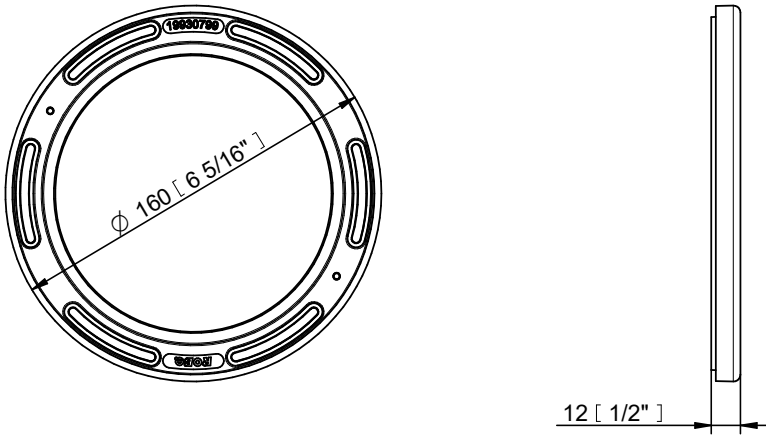
ACCESSORIES

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

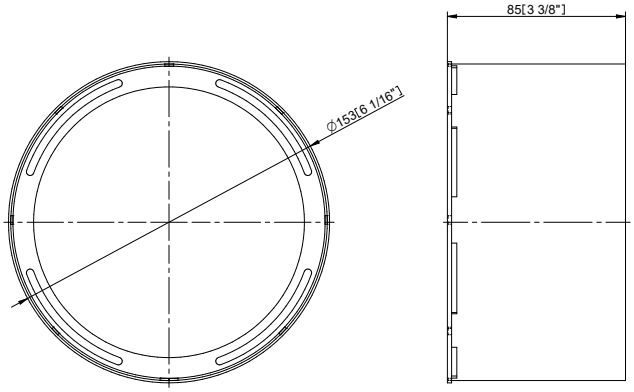
Example of ordering code: Calumma S SC CE RGBCW 10° RAL9007 OFH



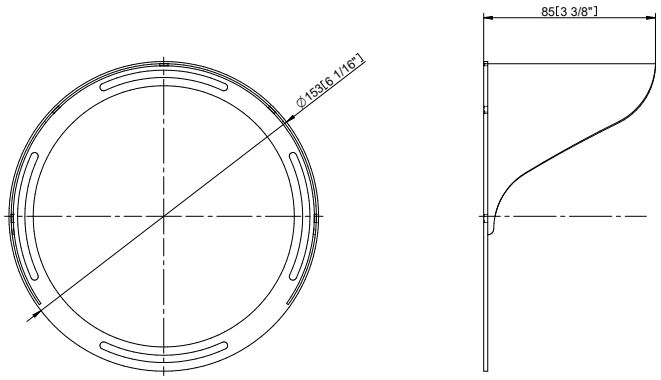
Outdoor Foil Holder for Calumma S



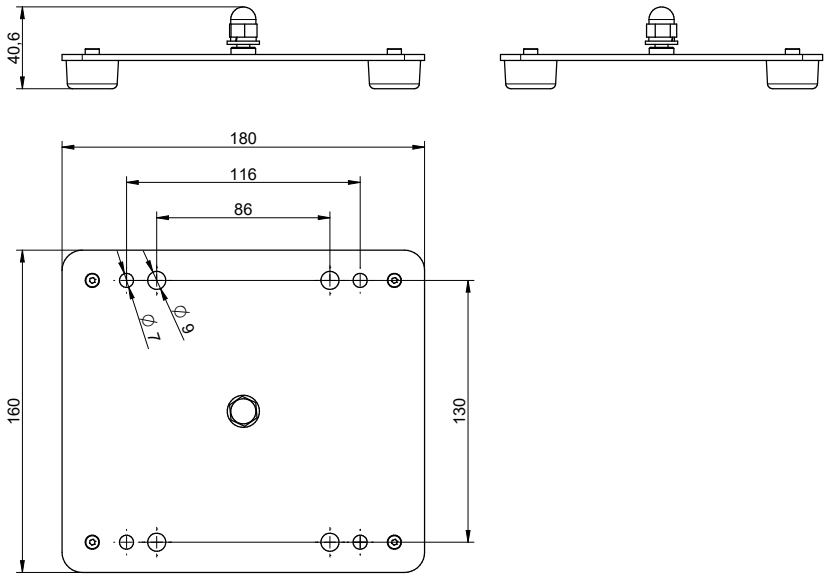
Top Hat



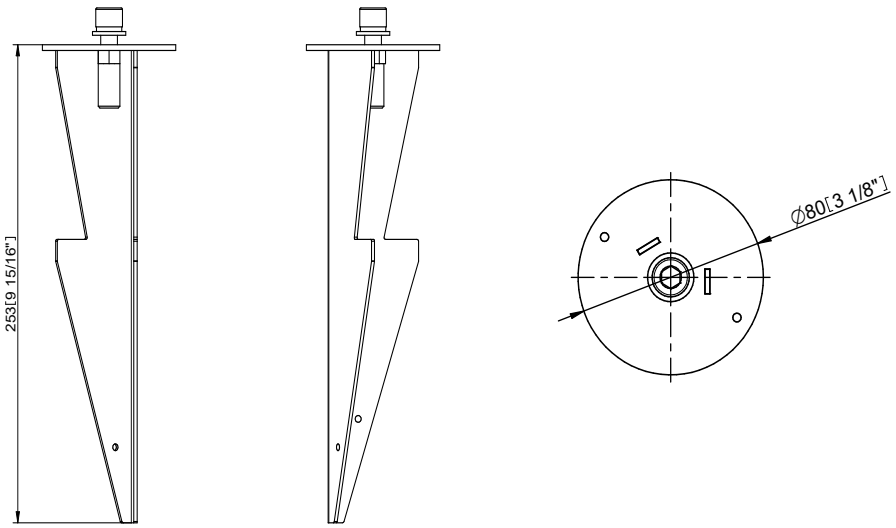
Half Top Hat



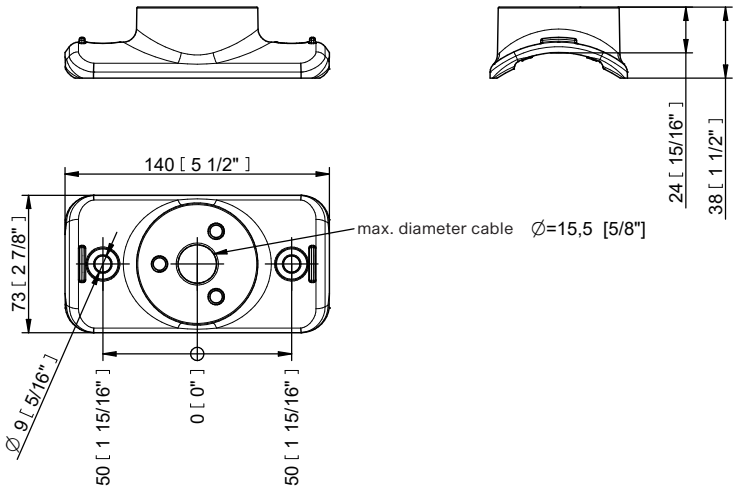
Floor Stand



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



Pole Adaptor

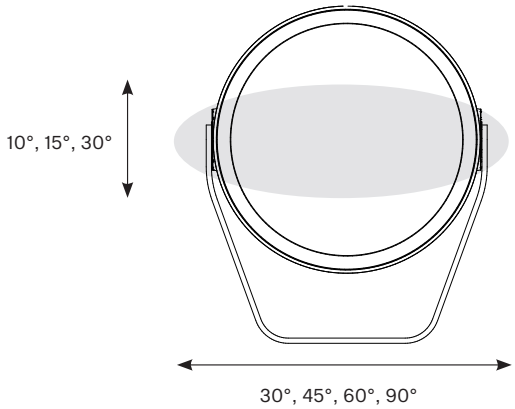


PHOTOMETRIC OVERVIEW

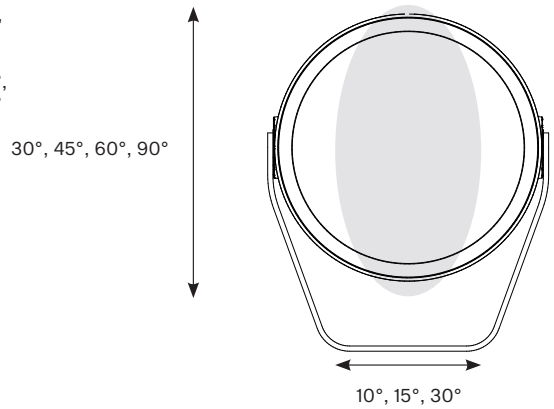
	Lumen Output (lm)		
	RGBCW (W 6500 K)	**RGBA**	**WW (W 3000 K)**
9°	998	856	851
15°	849	728	723
25°	848	727	724
30°	835	716	712
45°	847	727	723
65°	847	727	723
100°	837	718	714
10°x30°, 30°x10°	801	686	683
10°x60°, 60°x10°	891	764	759
15°x45°, 45°x15°	906	778	774
30°x60°, 60°x30°	843	723	718
30°x90°, 90°x30°	906	776	772
15°x90°, 90°x15°	902	773	769

BI-SYMMETRICAL BEAM ANGLES

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

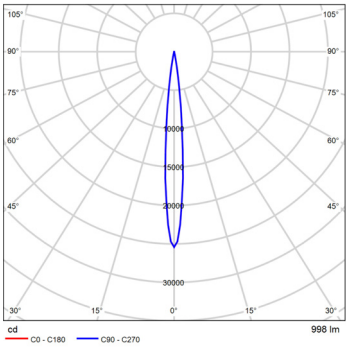


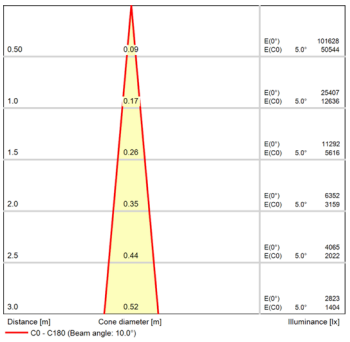
Bi-symmetrical:
30°x10°,
60°x10°,
45°x15°,
90°x15°,
60°x30°,
90°x30°



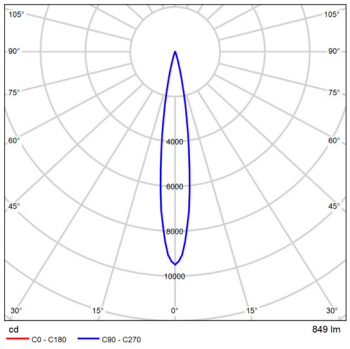
PHOTOMETRIC DATA

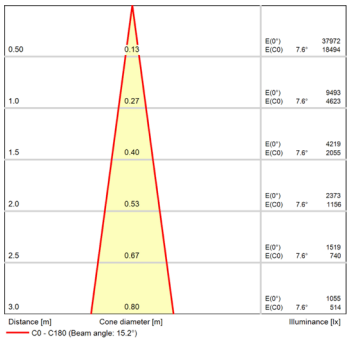
Calumma S MC RGBW 6500K 9dg



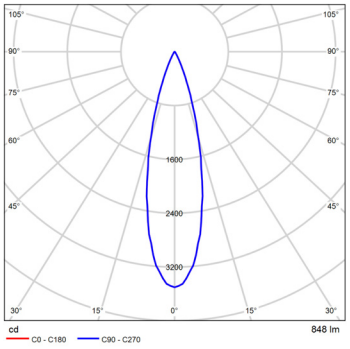


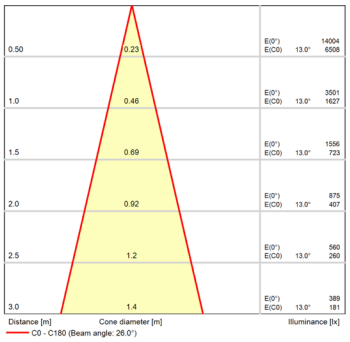
Calumma S MC RGBW 6500K 15dg



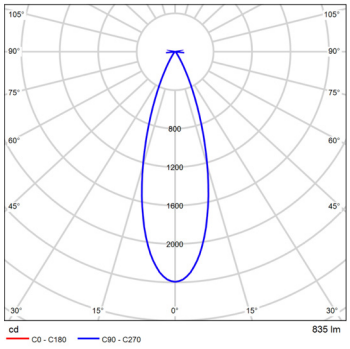


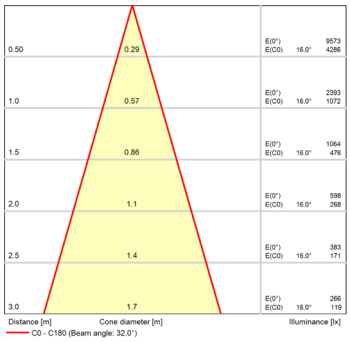
Calumma S MC RGBW 6500K 25dg



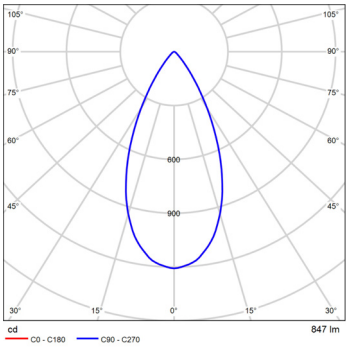


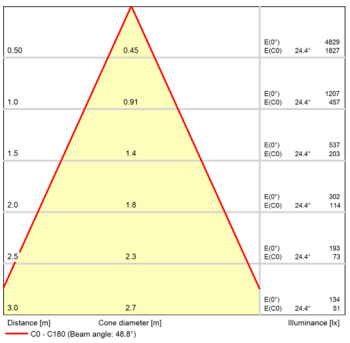
Calumma S MC RGBW 6500K 30dg



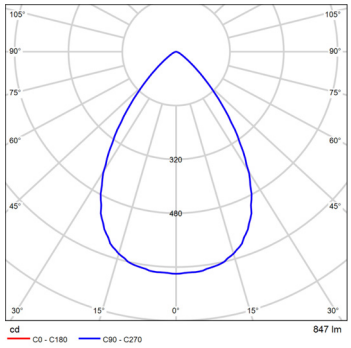


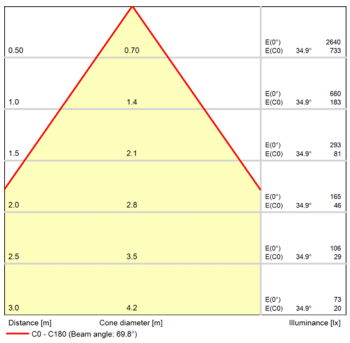
Calumma S MC RGBW 6500K 45dg



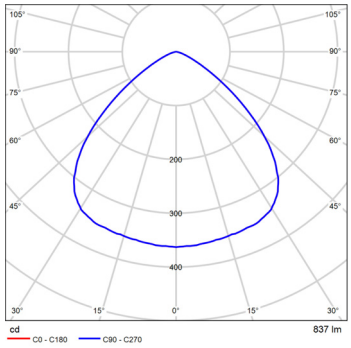


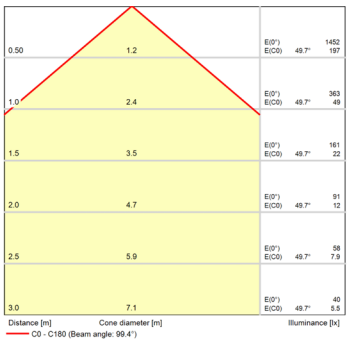
Calumma S MC RGBW 6500K 65dg





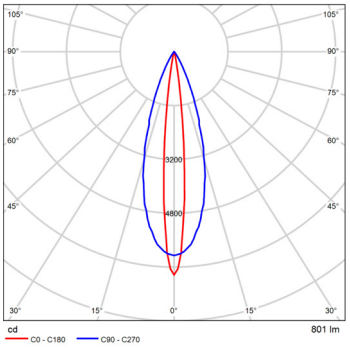
Calumma S MC RGBW 6500K 100dg

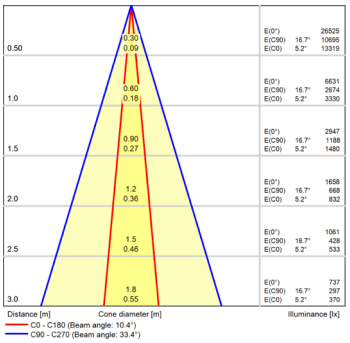




PHOTOMETRIC DATA

Calumma S MC RGBW 6500K
10x30dg





Calumma S MC RGBW 6500K
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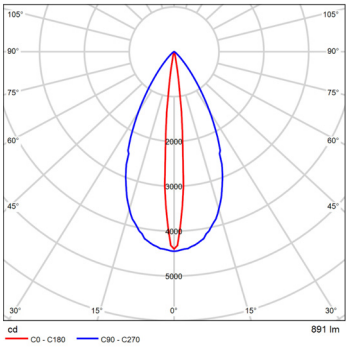

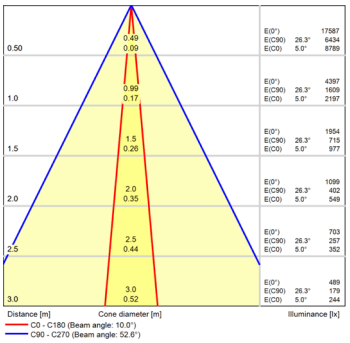

Calumma S MC RGBW 6500K
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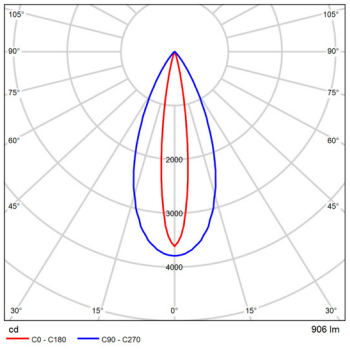

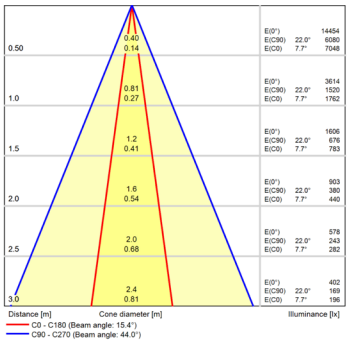

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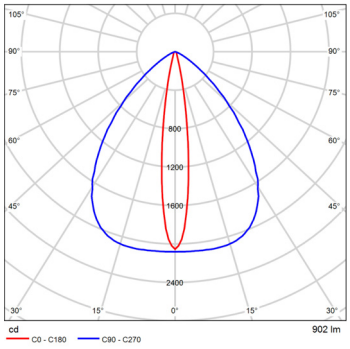

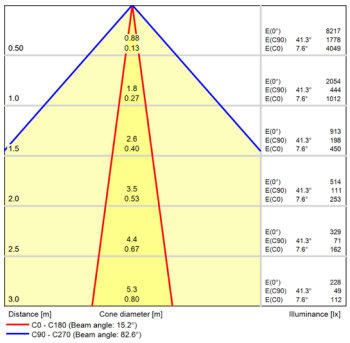

Calumma S MC RGBW 6500K
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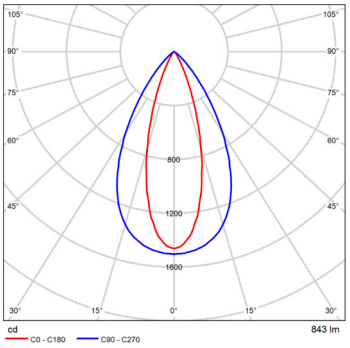

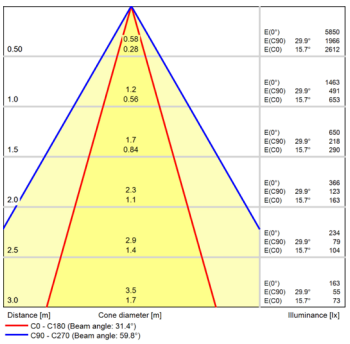
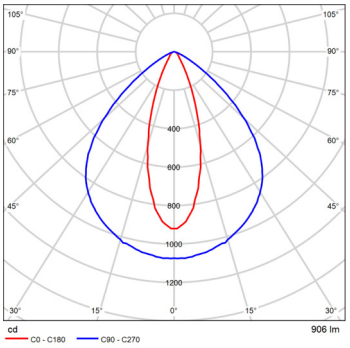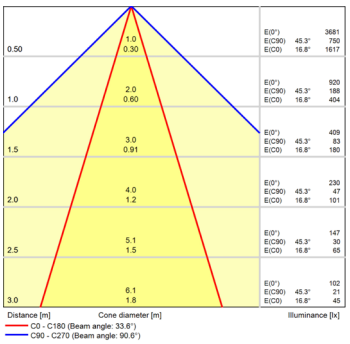
Calumma S MC RGBW 6500K
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