

CALUMMA™ REMOTE 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 Remote 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.

COLOURS

* UPON REQUEST



CONTROL & PROTOCOLS



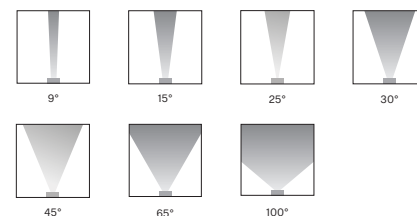
FINISH OPTIONS

* CLOSEST RAL TONE
* HE = Harsh Environment

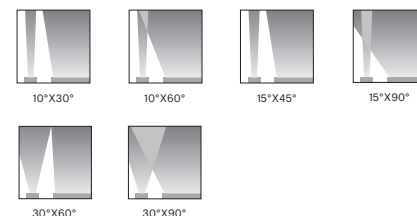


OPTIC OPTIONS

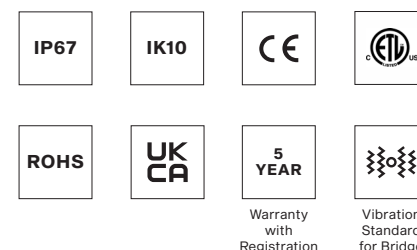
SYMMETRICAL



BI-SYMMETRICAL



STANDARD & SPECIFICATION



SPECIFICATION

ELECTRICAL	Input Voltage	48 V	
	Typical Power Consumption	30 W +/-10 %	
OPTICAL	Light Source	High Power Multichip LEDs	
	Colour Variants	RGBW (W - 6500 K) RGBA RGBL Pure White (W - 3000 K) On Request: Tuneable White (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)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
CONTROL	Interface Protocol	Via E-box Remote, E-box Remote Basic or E-Box Remote Basic Mini	
	E-Box Remote control protocol	USITT DMX512/RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net	
	Settings / Addressing	Via Two Row LCD Display with Control Buttons on E-Box Remote or RDM communicator	
	Power Supply	Via E-Box Remote range	
PHYSICAL	Width x Height x Depth	189 x 196 x 119 mm (7.4 x 7.7 x 4.7 in.)	
	Weight	2.95 kg 6.5 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 - 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 Remote (1x or 4x Output)	
		Cable UL20969 5x20 AWG (black or white) - Calumma Remote input cable	
		Cable SJTW 5x14 AWG (black or white) - main connection between Junction Boxes	
		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)	

SPECIFICATION

CABLES AND CONNECTORS	Not Included Items	DMX - CONNECTOR SOLUTION	
		Cable SJTW 5x14 AWG (I3053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (I3053697), with bare-end, white (on request) - 1/3/5/10 m	
		Leader CE Cable FF, 0.1 m, MINI-05 (I3053978)	
		Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m, (I3054131) - 0.5/1/3/5 m	
		Jumper Cable MINI-05 FF/MM (5x20 AWG), 0.5 m, (I3053937-02) - 0.5/1/3/5/10 m	
		Cable 5x20 AWG, 0.5 m, with connector MM	
		Adaptor MID2MINI (I3054149)	
		Adaptor MINI2MID (I3054150)	
		T-connector MID-05 MFF (I3054130)	
		T-connector MINI-05 MFF (I3053941-01)	
		Field Installable Connector MID-05 MM (14–22 AWG) - (I3054126)	
		Field Installable Connector MID-05 FF (14–22 AWG) - (I3054127)	
		DMX - BARE-END	
		Cable SJTW 5x14 AWG (I3053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (I3053697), with bare-end, white (on request) - 1/3/5/10 m	
		Cable UL 20969 (5x20 AWG), 1 m, (I3053481), black	
		Cable UL 20969 (5x20 AWG), 1 m, (I3053696), white (on request)	
		Junction Box Remote (4x Output) - (I0980716)	
		Junction Box Remote (1x Output) - (I0980715)	
		DALI - CONNECTOR SOLUTION	
		Cable SJTW 5x14 AWG (I3053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (I3053697), with bare-end, white (on request) - 1/3/5/10 m	
		Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m, (I3054131) - 0.5/1/3/5 m	
		T-connector MID-05 MFF (I3054130)	
		Field Installable Connector MID-05 MM (14–22 AWG) - (I3054126)	
		Junction Box Remote (1x Output) - (I0980715)	
		Junction Box Remote (4x Output) - (I0980716)	
		DALI - BARE-END	
		Cable SJTW 5x14 AWG (I3053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (I3053697), with bare-end, white	
		Cable UL 20969 (5x18 AWG) - (I3054125)	
		Junction Box Remote (1x Output) - (I0980715)	
		Junction Box Remote (4x Output) - (I0980716)	

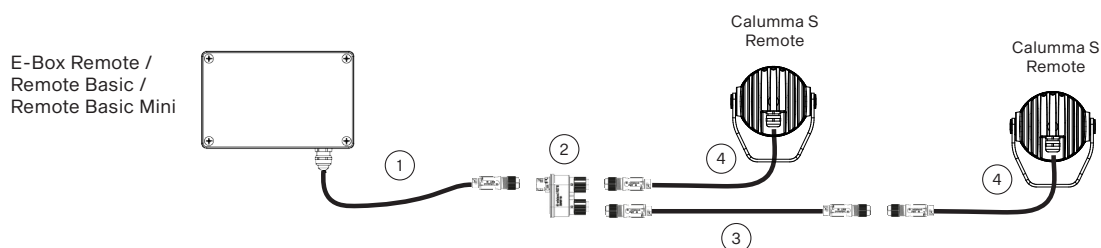
CONTROL AND CONNECTION OPTIONS - CE & US

DMX - CONNECTOR SOLUTION

A E-BOX REMOTE / REMOTE BASIC / REMOTE BASIC MINI

- 1) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 FF (14–22 AWG) - (13054127)
- 2) T-connector MID-05 MFF (13054130)
- 3) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 4) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)

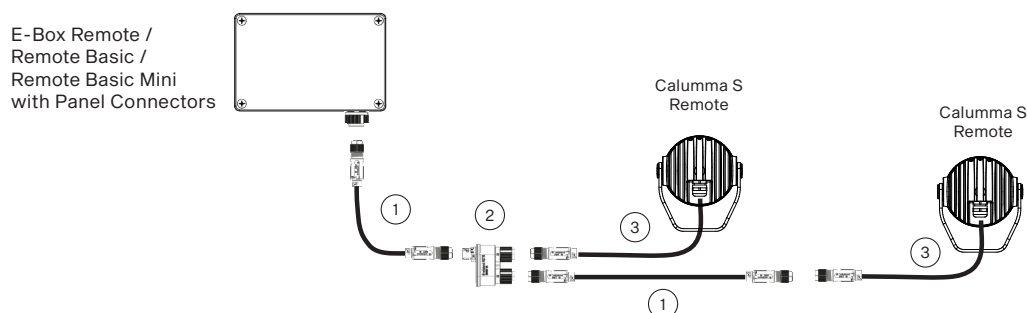
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



B E-BOX REMOTE / REMOTE BASIC / REMOTE BASIC MINI WITH PANEL CONNECTORS

- 1) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 2) T-connector MID-05 MFF (13054130)
- 3) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)

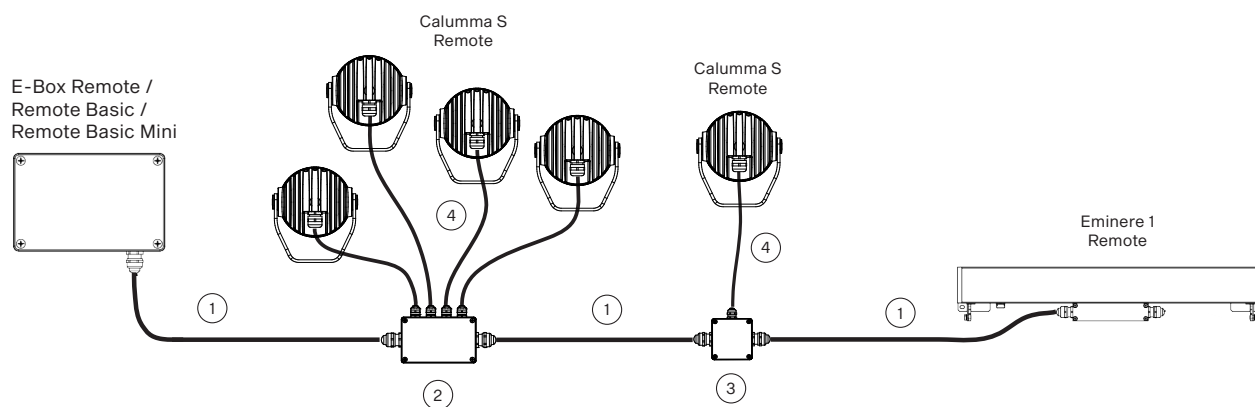
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DMX - BARE-END SOLUTION

- 1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black or on request Cable SJTW 5x14 AWG (13053697), white
- 2) Junction Box Remote, (4x Output) - (10980716)
- 3) Junction Box Remote, (1x Output) - (10980715)
- 4) Cable UL 20969 (5x18 AWG) - (13054125)

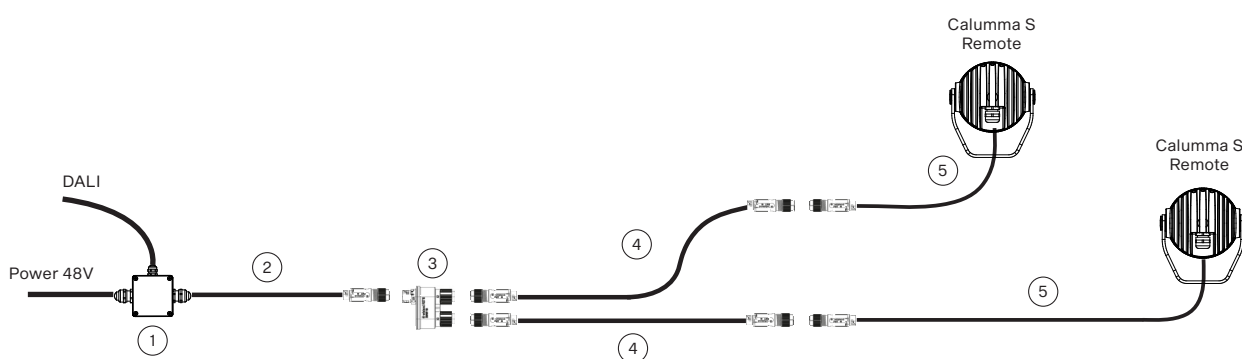
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DALI - CONNECTOR SOLUTION

- 1) Junction Box Remote (1x Output) - (10980715)
- 2) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)
- 3) T-connector MID-05 MFF (13054130)
- 4) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 5) Cable UL 20969 (5x18 AWG), 1 m, (13054125), with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)

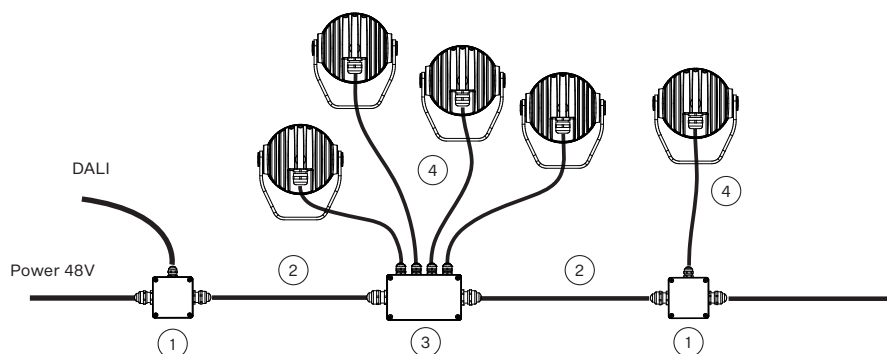
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DALI - BARE-END SOLUTION

- 1) Junction Box Remote (1x Output) - (10980715)
- 2) SJTW 5x14 AWG (13053336), standard with bare-end, black
- 3) Junction Box Remote (4x Output) - (10980716)
- 4) Cable UL 20969 (5x18 AWG), 1 m, (13054125)

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



CONNECTIVITY

The table states max. number of Calumma Remote S modules connected to the E-box Remote or Remote Basic.

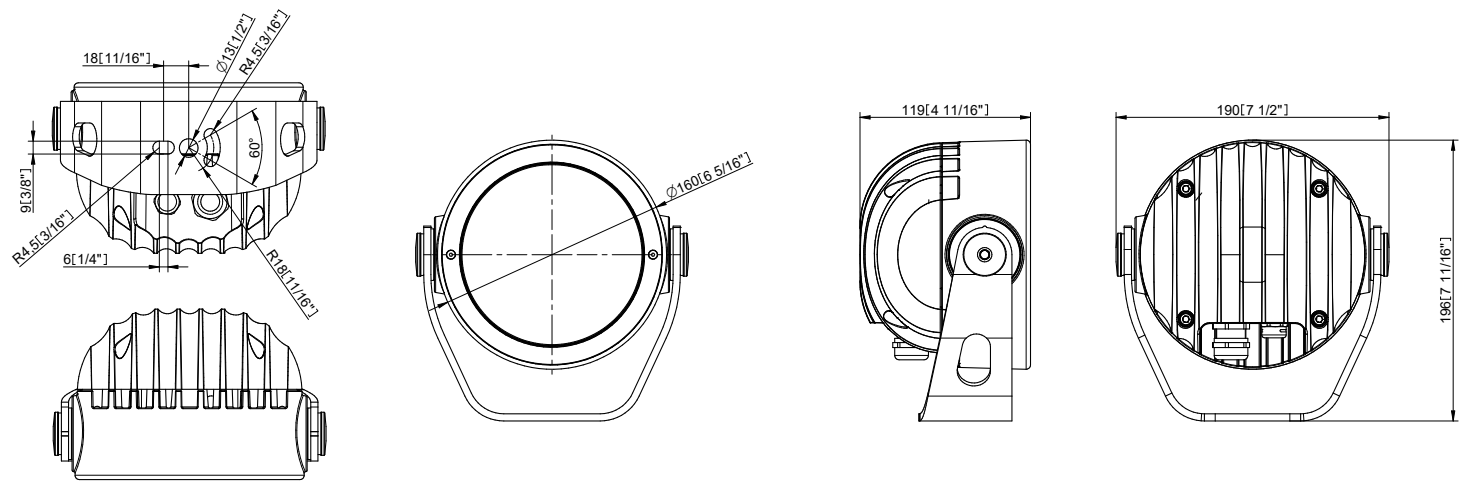
Cable length (m)	Max. number of Calumma Remote S connected to the E-Box Remote or Remote Basic
	CALUMMA REMOTE S
25	13
50	10
75	8
100	6

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

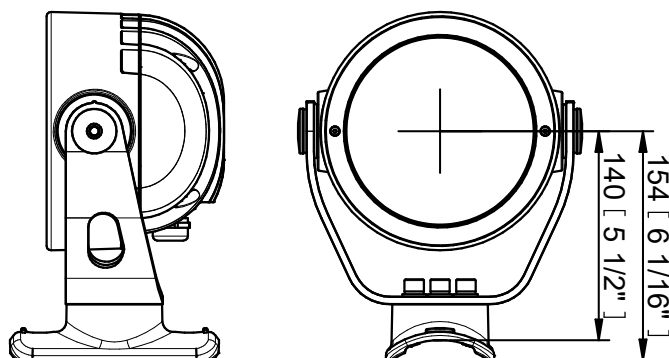
Standard Yoke



ACCESSORIES

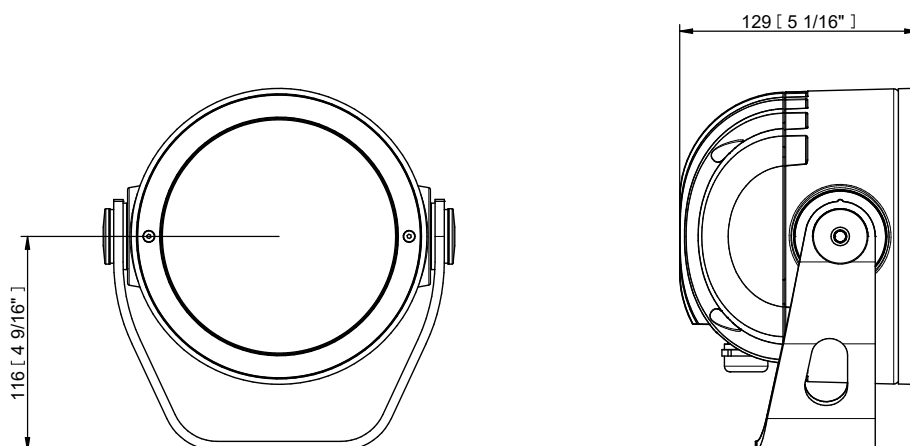
Yoke for Pole Adaptor (with Pole Adaptor / PA)

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



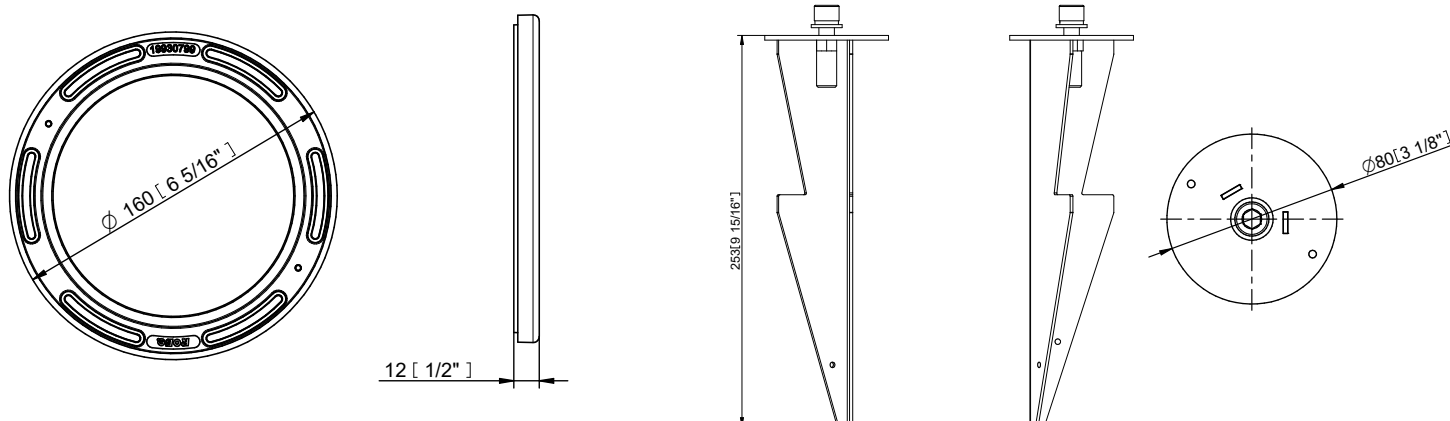
Outdoor Foil Holder for Calumma S „OFH“ version only (for permanent installation)

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



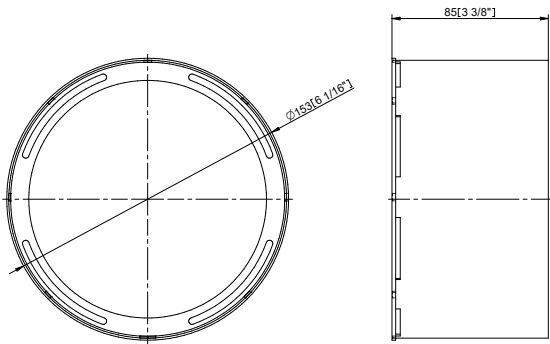
Outdoor Foil Holder for Calumma S

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

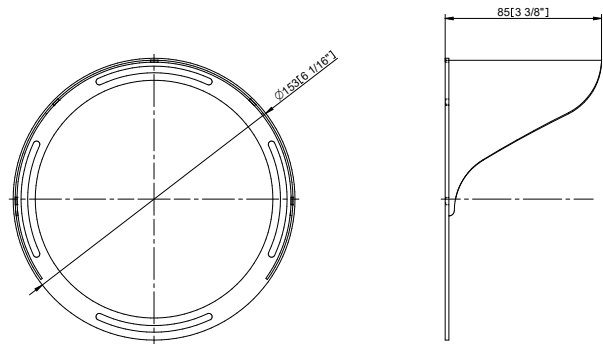


ACCESSORIES

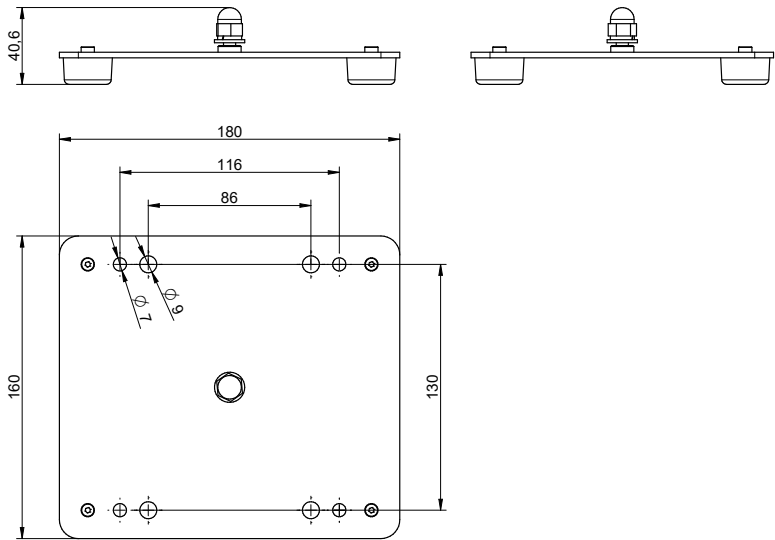
Top Hat



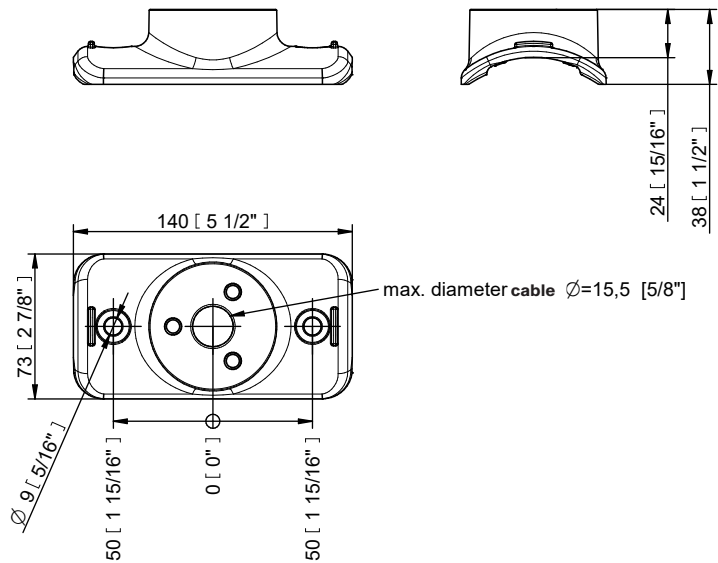
Half Top Hat



Floor Stand



Pole Adaptor

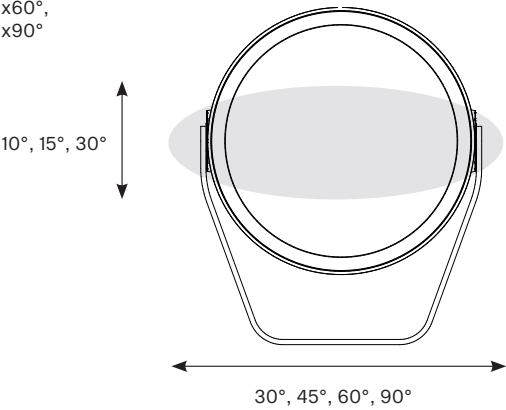


PHOTOMETRIC OVERVIEW

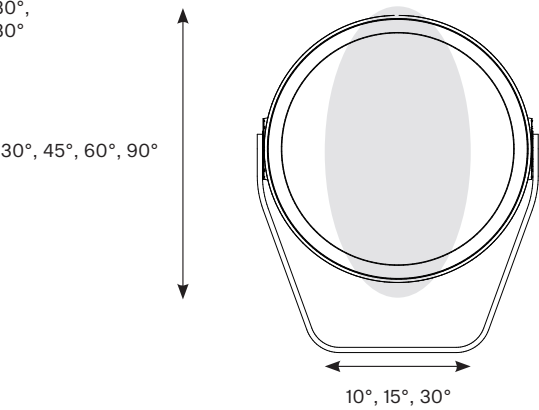
	Lumen Output (lm)		
	RGBCW (W 6500 K)	RGBA	WW (W 3000 K)
9°	998	856	851
15°	849	728	723
25°	848	727	724
30°	835	716	712
45°	847	727	723
65°	847	727	723
100°	837	718	714
10° x 30°, 30° x 10°	801	686	683
10° x 60°, 60° x 10°	891	764	759
15° x 45°, 45° x 15°	906	778	774
30° x 60°, 60° x 30°	843	723	718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

BI-SYMMETRICAL BEAM ANGLES

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

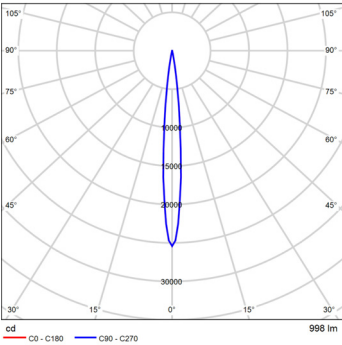


Bi-symmetrical:
30°x10°,
60°x10°,
45°x15°,
90°x15°,
60°x30°,
90°x30°

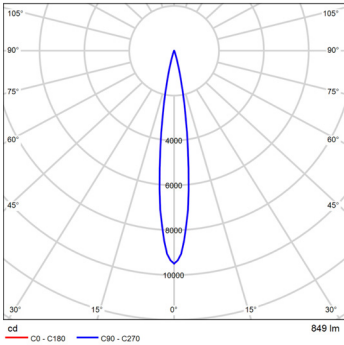


PHOTOMETRIC DATA

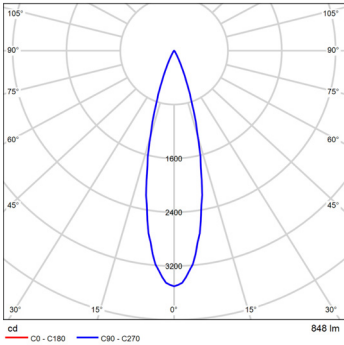
Calumma S MC RGBW 6500K 9dg



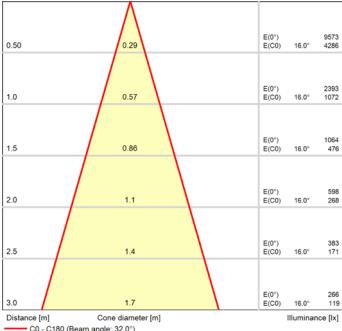
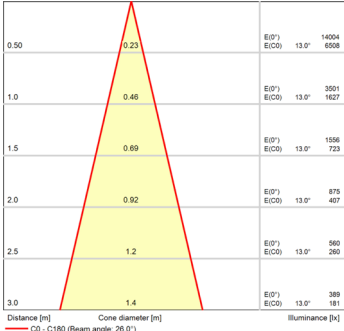
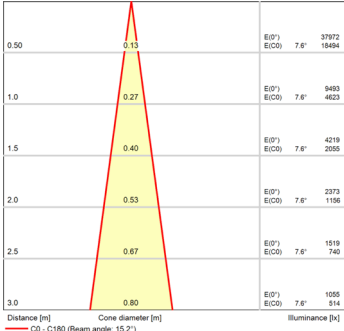
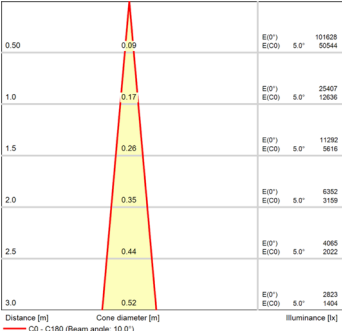
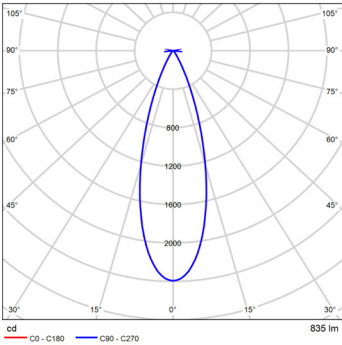
Calumma S MC RGBW 6500K 15dg



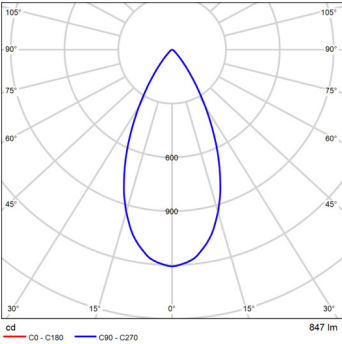
Calumma S MC RGBW 6500K 25dg



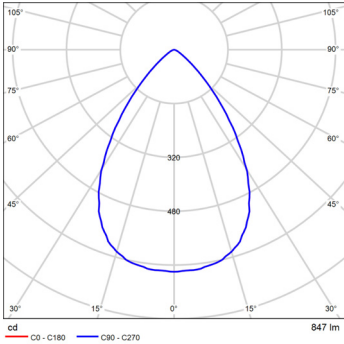
Calumma S MC RGBW 6500K 30dg



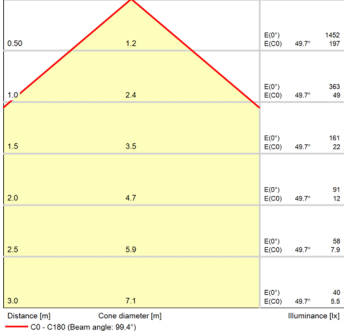
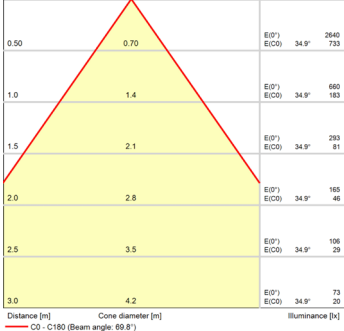
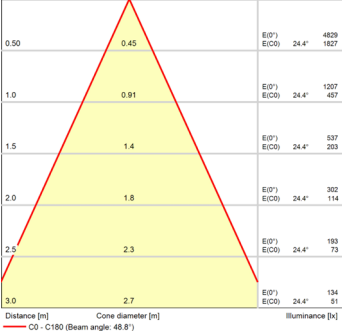
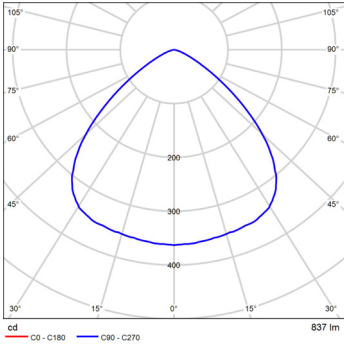
Calumma S MC RGBW 6500K 45dg



Calumma S MC RGBW 6500K 65dg

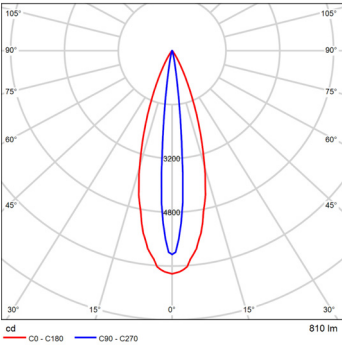


Calumma S MC RGBW 6500K 100dg



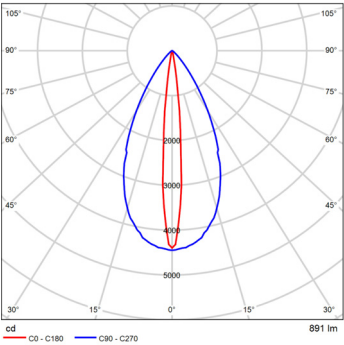
PHOTOMETRIC DATA

Calumma S MC RGBW 6500K
10x30dg



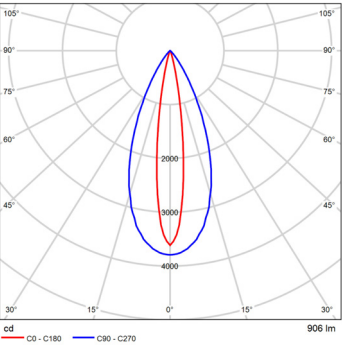
Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C180)
0.50	0.75	2625	12117	5.8°	11620
1.0	1.5	663	3029	5.8°	2951
1.5	2.25	2947	1346	5.8°	1311
2.0	3.0	1658	757	5.8°	738
2.5	3.75	1061	485	5.8°	472
3.0	4.5	737	337	5.8°	328
Distance [m] Cone diameter [m] Illuminance [lx]					
C0 - C180 (Beam angle: 32.8°)					
C90 - C270 (Beam angle: 11.2°)					

Calumma S MC RGBW 6500K
10x60dg



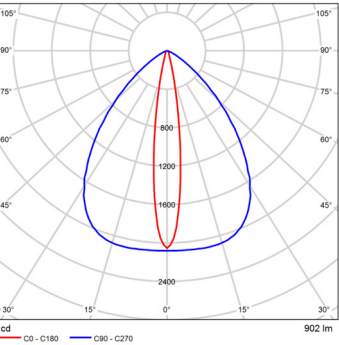
Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C180)
0.50	0.89	17587	8424	5.0°	6789
1.0	1.78	4397	1609	5.0°	2197
1.5	2.67	1954	715	5.0°	577
2.0	3.56	1099	402	5.0°	349
2.5	4.45	703	257	5.0°	221
3.0	5.34	489	179	5.0°	154
Distance [m] Cone diameter [m] Illuminance [lx]					
C0 - C180 (Beam angle: 10.0°)					
C90 - C270 (Beam angle: 52.6°)					

Calumma S MC RGBW 6500K
15x45dg



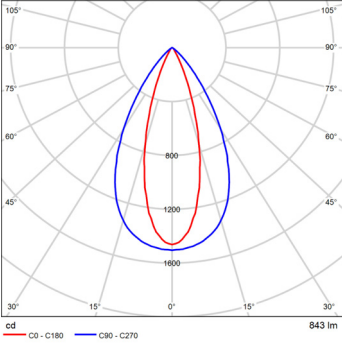
Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C180)
0.50	0.91	14454	8089	7.7°	7058
1.0	1.82	3614	1520	7.7°	1782
1.5	2.73	1606	676	7.7°	783
2.0	3.64	993	380	7.7°	440
2.5	4.55	578	243	7.7°	282
3.0	5.46	402	169	7.7°	196
Distance [m] Cone diameter [m] Illuminance [lx]					
C0 - C180 (Beam angle: 15.4°)					
C90 - C270 (Beam angle: 44.0°)					

Calumma S MC RGBW 6500K
15x90dg



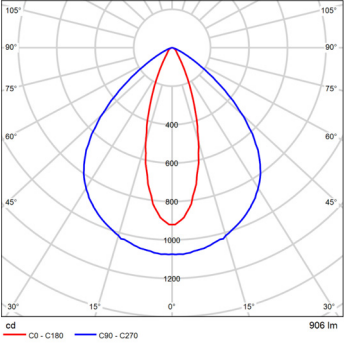
Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C180)
0.50	0.90	8217	1778	7.6°	4049
1.0	1.80	2054	444	7.6°	1012
1.5	2.70	913	198	7.6°	430
2.0	3.60	514	111	7.6°	253
2.5	4.50	329	71	7.6°	162
3.0	5.40	228	49	7.6°	112
Distance [m] Cone diameter [m] Illuminance [lx]					
C0 - C180 (Beam angle: 15.2°)					
C90 - C270 (Beam angle: 82.6°)					

Calumma S MC RGBW 6500K
30x60dg



Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C180)
0.50	0.84	6850	1966	15.7°	2912
1.0	1.68	1463	491	15.7°	693
1.5	2.52	650	218	15.7°	290
2.0	3.36	368	123	15.7°	163
2.5	4.20	234	79	15.7°	104
3.0	5.04	163	55	15.7°	73
Distance [m] Cone diameter [m] Illuminance [lx]					
C0 - C180 (Beam angle: 31.4°)					
C90 - C270 (Beam angle: 59.8°)					

Calumma S MC RGBW 6500K
30x90dg



Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°)	E(C90)	E(C180)
0.50	0.90	3681	750	16.8°	1617
1.0	1.80	920	188	16.8°	404
1.5	2.70	409	83	16.8°	185
2.0	3.60	230	47	16.8°	101
2.5	4.50	147	30	16.8°	65
3.0	5.40	102	21	16.8°	45
Distance [m] Cone diameter [m] Illuminance [lx]					
C0 - C180 (Beam angle: 33.6°)					
C90 - C270 (Beam angle: 50.6°)					