

# 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



## COLOUR TEMPERATURE

\* UPON REQUEST

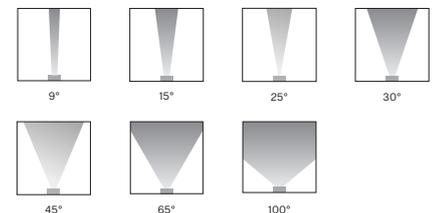


## CONTROL & PROTOCOLS

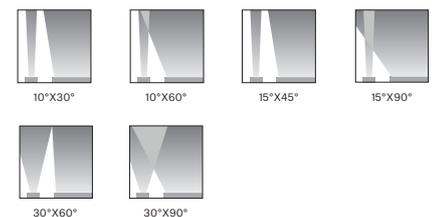


## OPTIC OPTIONS

### SYMMETRICAL



### BI-SYMMETRICAL

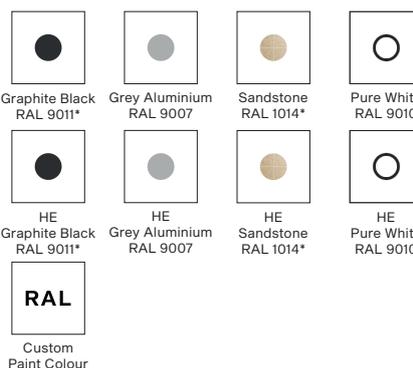


## STANDARD & SPECIFICATION



## FINISH OPTIONS

\* CLOSEST RAL TONE  
\* HE = Harsh Environment



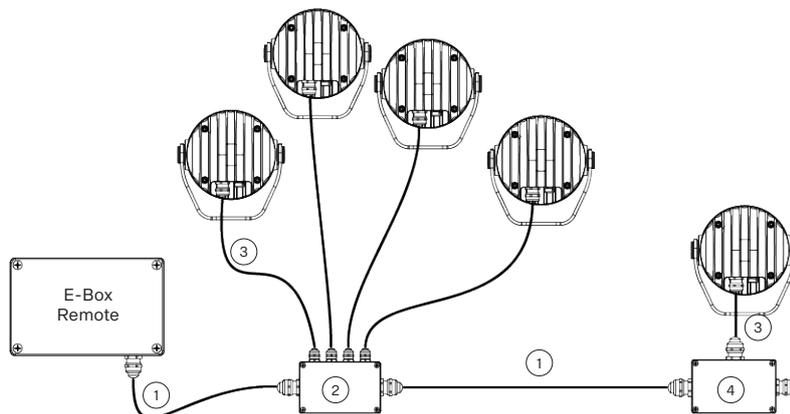
**SPECIFICATION**

<b>ELECTRICAL</b>	Input Voltage	48 V	
	Typical Power Consumption	30 W +/-10 %	
<b>OPTICAL</b>	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)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
<b>CONTROL</b>	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	
<b>PHYSICAL</b>	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	<b>IN</b> - 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)		
<b>CERTIFICATION</b>	Listings	ETL / cETL, CE, RoHS, UKCA	
<b>ACCESSORIES</b>	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)			

## CONTROL AND CONNECTION OPTIONS

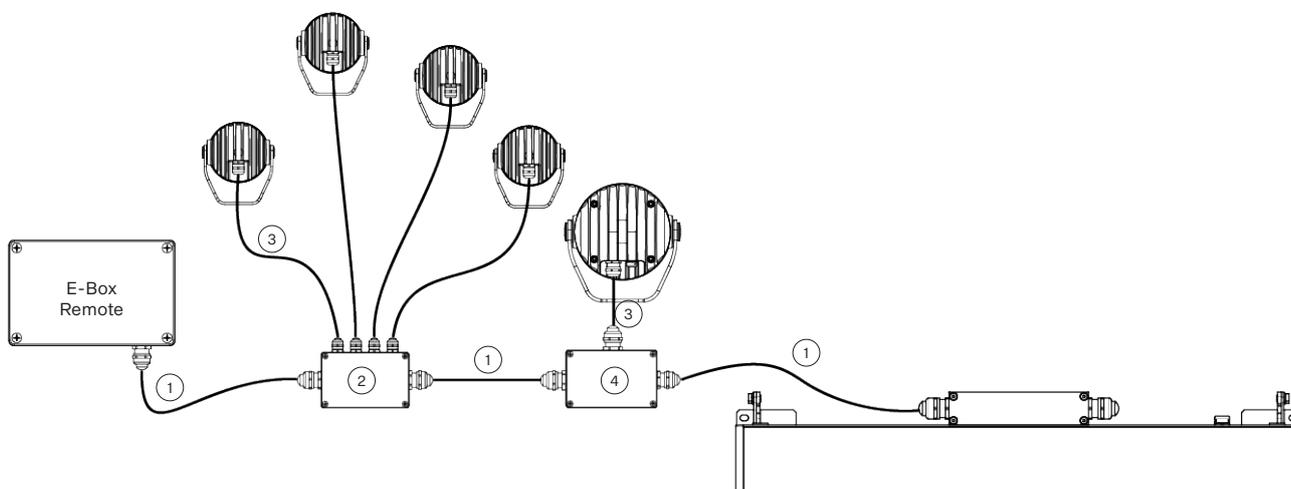
### VIA E-BOX REMOTE (Calumma Remote S)

- 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)
- 3) Cable UL 20969 5x20 AWG (13053481), black or on request Cable UL 20969 5x20 AWG (13053696), white
- 4) Junction Box Remote, (1x Output)



### VIA E-BOX REMOTE (Calumma XS, Calumma Remote S, Eminere Remote)

- 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)
- 3) Cable UL 20969 5x20 AWG (13053481), black or on request Cable UL 20969 5x20 AWG (13053696), white
- 4) Junction Box Remote, (1x Output)



## CONNECTIVITY

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

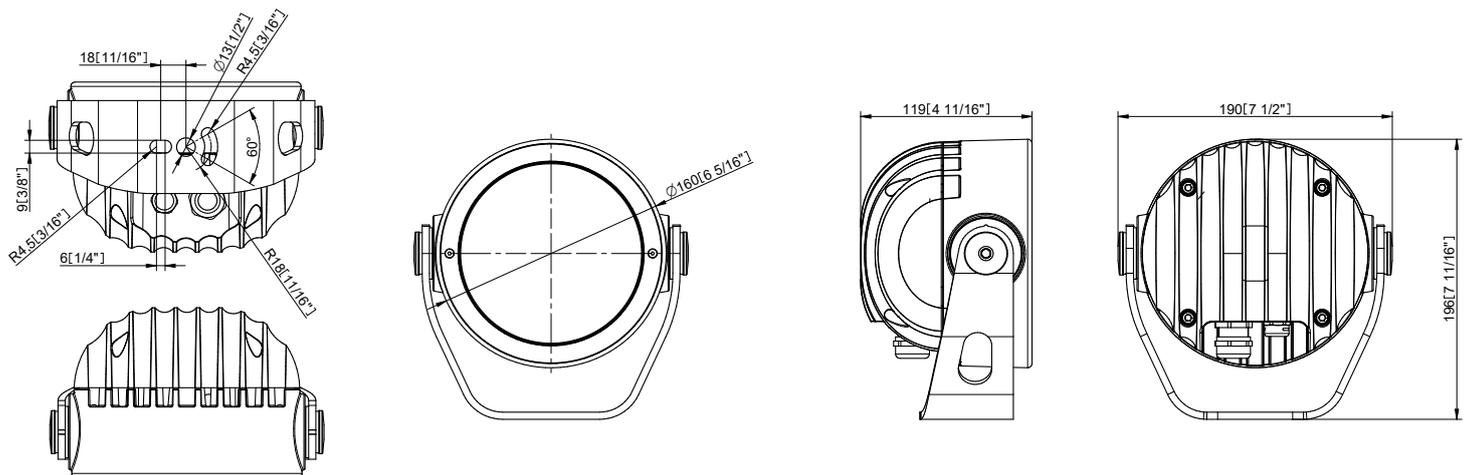
Cable length (m)	Max. number of Calumma Remote S connected to the E-Box Remote or Remote Basic
	CALUMMA REMOTE S
25	13
50	10
75	8
100	6

## PROJECTED AREA

	Front (rear) - m <sup>2</sup>	Front (rear) ft <sup>2</sup>	Side - m <sup>2</sup>	Side - ft <sup>2</sup>	Top - m <sup>2</sup>	Top - ft <sup>2</sup>
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

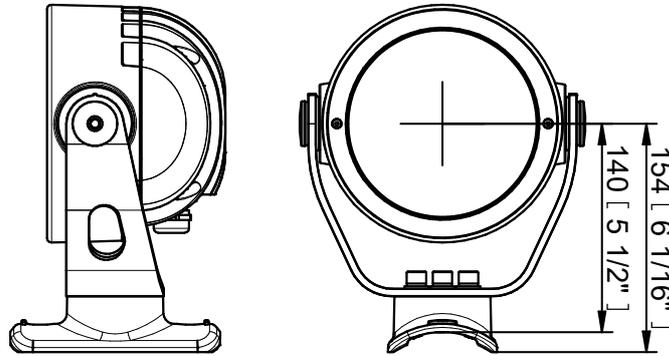
Standard Yoke



**ACCESSORIES**

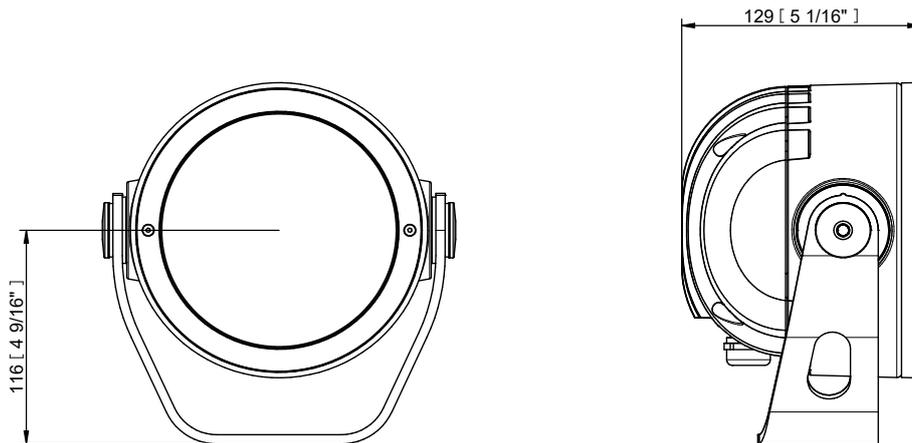
Yoke for Pole Adaptor (with Pole Adaptor / PA)

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



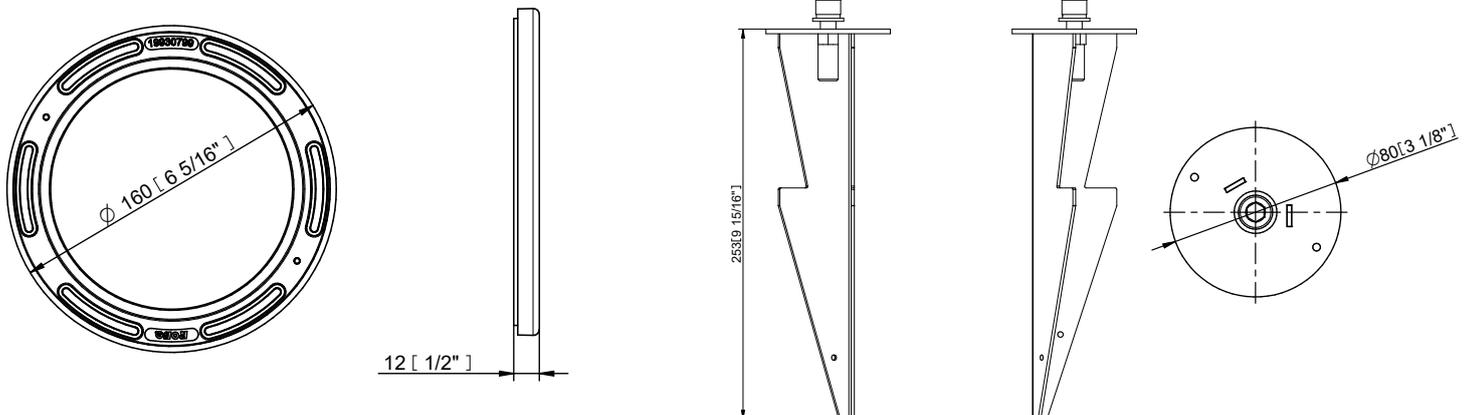
Outdoor Foil Holder for Calumma S „OFH“ version only (for permanent installation)

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



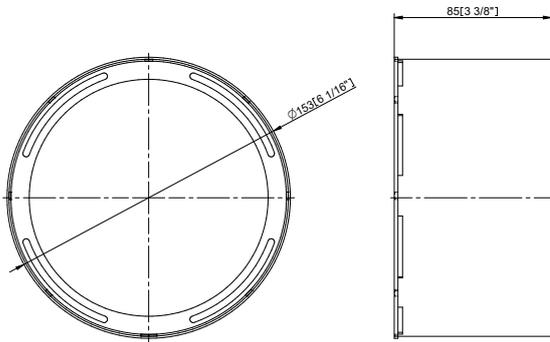
Outdoor Foil Holder for Calumma S

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

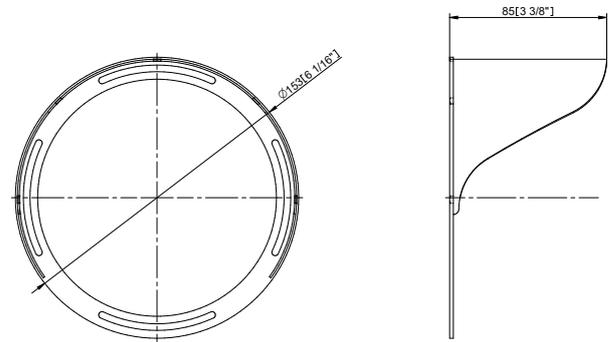


ACCESSORIES

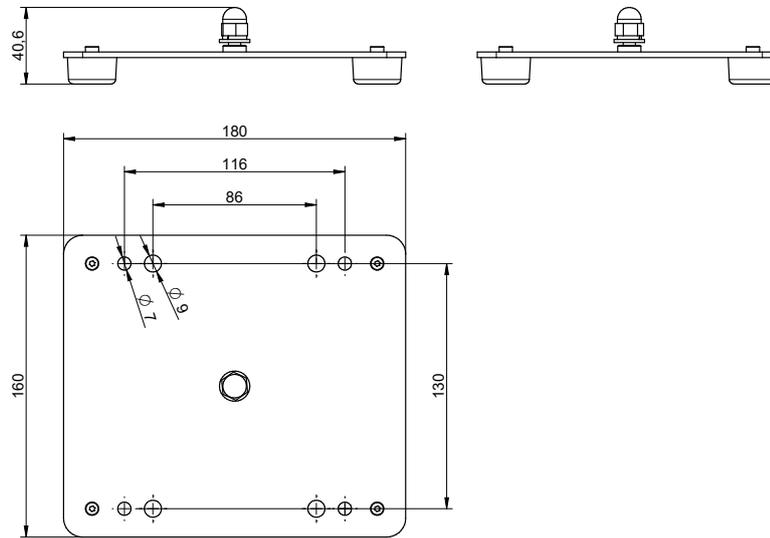
Top Hat



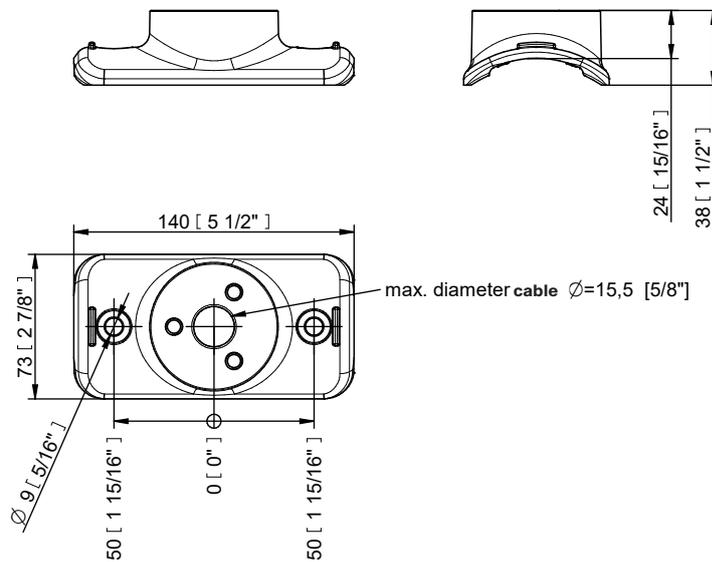
Half Top Hat



Floor Stand



Pole Adaptor

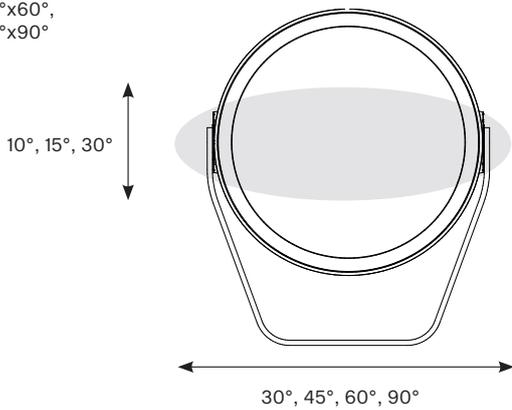


PHOTOMETRIC OVERVIEW

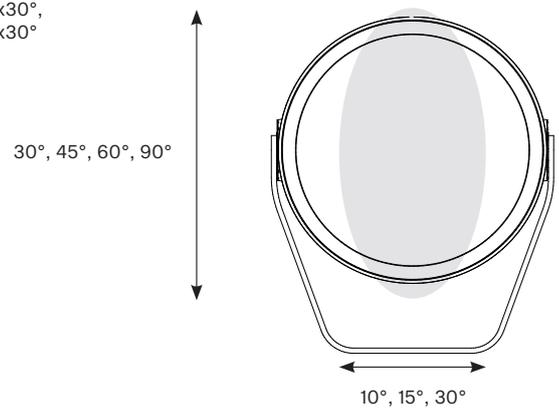
	Lumen Output (lm)		
	RGBCW (W 6500 K)	RGBA	WW (W 3000 K)
9°	998	856	851
15°	849	728	723
25°	848	727	724
30°	835	716	712
45°	847	727	723
65°	847	727	723
100°	837	718	714
10° x 30°, 30° x 10°	801	686	683
10° x 60°, 60° x 10°	891	764	759
15° x 45°, 45° x 15°	906	778	774
30° x 60°, 60° x 30°	843	723	718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

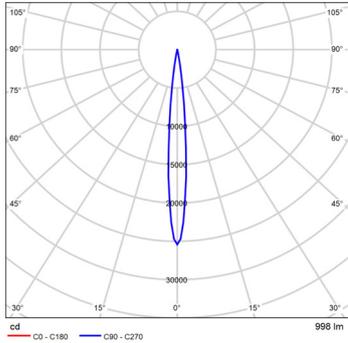


Bi-symmetrical:  
30°x10°,  
60°x10°,  
45°x15°,  
90°x15°,  
60°x30°,  
90°x30°



PHOTOMETRIC DATA

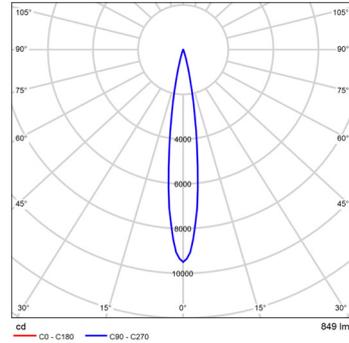
Calumma S MC RGBW 6500K 9dg



Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	101628 5044
0.50	0.09	E <sub>0</sub> (°) E <sub>c</sub> (°)	101628 5044
1.0	0.17	E <sub>0</sub> (°) E <sub>c</sub> (°)	25407 12636
1.5	0.26	E <sub>0</sub> (°) E <sub>c</sub> (°)	11292 5616
2.0	0.35	E <sub>0</sub> (°) E <sub>c</sub> (°)	6332 3159
2.5	0.44	E <sub>0</sub> (°) E <sub>c</sub> (°)	4056 2022
3.0	0.52	E <sub>0</sub> (°) E <sub>c</sub> (°)	2823 1404

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 10.0°)

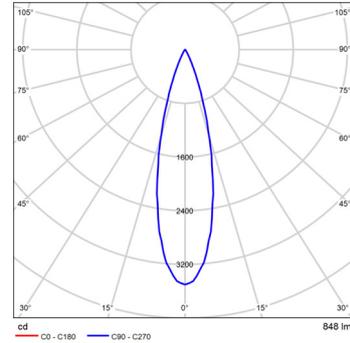
Calumma S MC RGBW 6500K 15dg



Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	37972 18464
0.50	0.13	E <sub>0</sub> (°) E <sub>c</sub> (°)	37972 18464
1.0	0.27	E <sub>0</sub> (°) E <sub>c</sub> (°)	9483 4623
1.5	0.40	E <sub>0</sub> (°) E <sub>c</sub> (°)	4219 2058
2.0	0.53	E <sub>0</sub> (°) E <sub>c</sub> (°)	2373 1156
2.5	0.67	E <sub>0</sub> (°) E <sub>c</sub> (°)	1519 740
3.0	0.80	E <sub>0</sub> (°) E <sub>c</sub> (°)	1055 514

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 15.2°)

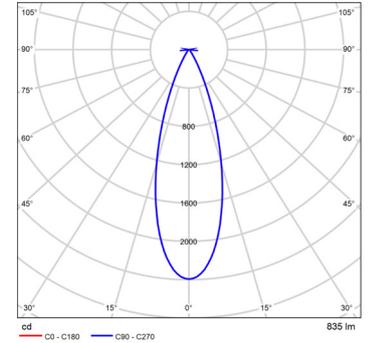
Calumma S MC RGBW 6500K 25dg



Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	14004 6956
0.50	0.23	E <sub>0</sub> (°) E <sub>c</sub> (°)	14004 6956
1.0	0.46	E <sub>0</sub> (°) E <sub>c</sub> (°)	3501 1427
1.5	0.69	E <sub>0</sub> (°) E <sub>c</sub> (°)	1556 723
2.0	0.92	E <sub>0</sub> (°) E <sub>c</sub> (°)	875 407
2.5	1.2	E <sub>0</sub> (°) E <sub>c</sub> (°)	560 260
3.0	1.4	E <sub>0</sub> (°) E <sub>c</sub> (°)	389 181

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 26.0°)

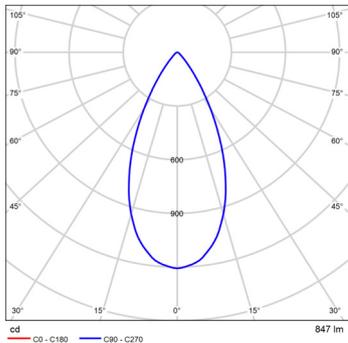
Calumma S MC RGBW 6500K 30dg



Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	1673 436
0.50	0.29	E <sub>0</sub> (°) E <sub>c</sub> (°)	1673 436
1.0	0.57	E <sub>0</sub> (°) E <sub>c</sub> (°)	2393 1072
1.5	0.86	E <sub>0</sub> (°) E <sub>c</sub> (°)	1064 476
2.0	1.1	E <sub>0</sub> (°) E <sub>c</sub> (°)	598 268
2.5	1.4	E <sub>0</sub> (°) E <sub>c</sub> (°)	383 171
3.0	1.7	E <sub>0</sub> (°) E <sub>c</sub> (°)	266 119

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 32.0°)

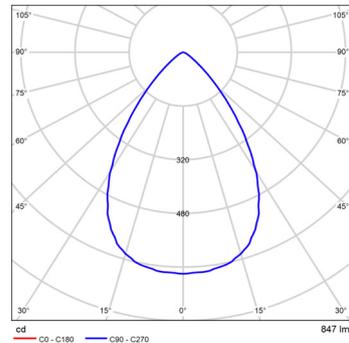
Calumma S MC RGBW 6500K 45dg



Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	4829 1027
0.50	0.45	E <sub>0</sub> (°) E <sub>c</sub> (°)	4829 1027
1.0	0.91	E <sub>0</sub> (°) E <sub>c</sub> (°)	1207 497
1.5	1.4	E <sub>0</sub> (°) E <sub>c</sub> (°)	637 203
2.0	1.8	E <sub>0</sub> (°) E <sub>c</sub> (°)	302 114
2.5	2.3	E <sub>0</sub> (°) E <sub>c</sub> (°)	193 73
3.0	2.7	E <sub>0</sub> (°) E <sub>c</sub> (°)	134 51

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 48.8°)

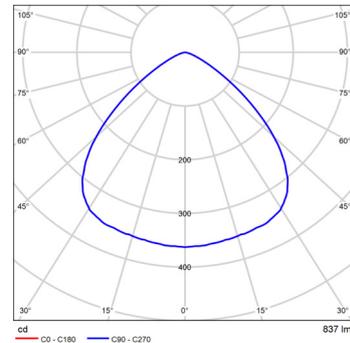
Calumma S MC RGBW 6500K 65dg



Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	2640 733
0.50	0.70	E <sub>0</sub> (°) E <sub>c</sub> (°)	2640 733
1.0	1.4	E <sub>0</sub> (°) E <sub>c</sub> (°)	660 183
1.5	2.1	E <sub>0</sub> (°) E <sub>c</sub> (°)	293 81
2.0	2.8	E <sub>0</sub> (°) E <sub>c</sub> (°)	165 46
2.5	3.5	E <sub>0</sub> (°) E <sub>c</sub> (°)	106 29
3.0	4.2	E <sub>0</sub> (°) E <sub>c</sub> (°)	73 20

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 69.8°)

Calumma S MC RGBW 6500K 100dg

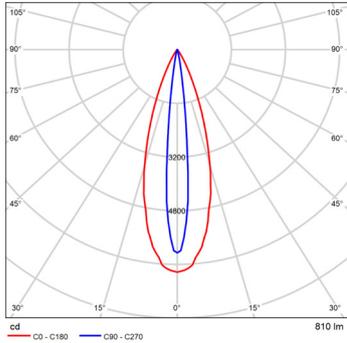


Distance [m]	Cone diameter [m]	E <sub>0</sub> (°) E <sub>c</sub> (°)	1452 191
0.50	1.2	E <sub>0</sub> (°) E <sub>c</sub> (°)	1452 191
1.0	2.4	E <sub>0</sub> (°) E <sub>c</sub> (°)	363 49
1.5	3.5	E <sub>0</sub> (°) E <sub>c</sub> (°)	161 22
2.0	4.7	E <sub>0</sub> (°) E <sub>c</sub> (°)	91 12
2.5	5.9	E <sub>0</sub> (°) E <sub>c</sub> (°)	58 7.9
3.0	7.1	E <sub>0</sub> (°) E <sub>c</sub> (°)	40 5.5

Distance [m] Cone diameter [m] Illuminance [lx]  
CO - C180 (Beam angle: 99.4°)

PHOTOMETRIC DATA

Calumma S MC RGBW 6500K  
10x30dg

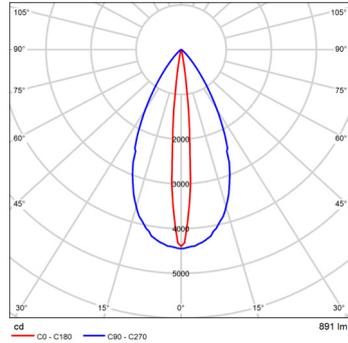


Distance [m]	Cone diameter [m]	E(I <sup>0</sup> )	E(I <sup>C90</sup> )	E(I <sup>C0</sup> )	Illuminance [lx]
0.50	0.710 0.29	26526	8.8°	12117	11602
1.0	1.25 0.56	6631	5.6°	3029	2951
1.5	1.88 0.79	2947	5.6°	1348	1311
2.0	2.51 1.0	1658	5.6°	757	738
2.5	3.14 1.2	1081	5.6°	485	472
3.0	3.77 1.5	737	5.6°	337	328

Distance [m]    Cone diameter [m]    Illuminance [lx]

— C0 - C180 (Beam angle: 12.8°)    — C90 - C270 (Beam angle: 11.2°)

Calumma S MC RGBW 6500K  
10x60dg

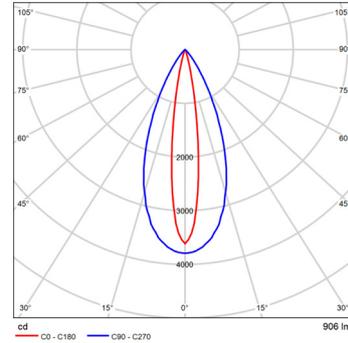


Distance [m]	Cone diameter [m]	E(I <sup>0</sup> )	E(I <sup>C90</sup> )	E(I <sup>C0</sup> )	Illuminance [lx]
0.50	0.60 0.09	17587	28.3°	6424	6789
1.0	1.17 0.17	4397	26.3°	1609	2197
1.5	1.74 0.26	1954	26.3°	715	977
2.0	2.31 0.35	1099	26.3°	402	549
2.5	2.88 0.44	703	26.3°	257	352
3.0	3.45 0.52	489	26.3°	179	244

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

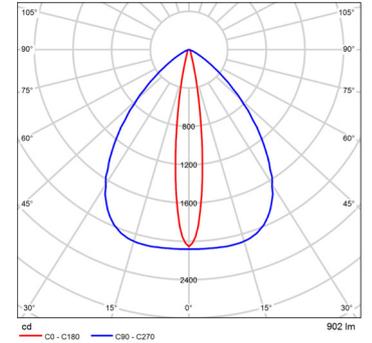


Distance [m]	Cone diameter [m]	E(I <sup>0</sup> )	E(I <sup>C90</sup> )	E(I <sup>C0</sup> )	Illuminance [lx]
0.50	0.45 0.14	14454	22.0°	6888	7098
1.0	0.91 0.27	3614	22.0°	1520	1762
1.5	1.36 0.41	1606	22.0°	676	783
2.0	1.82 0.54	903	22.0°	380	440
2.5	2.27 0.68	578	22.0°	243	282
3.0	2.73 0.81	402	22.0°	169	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

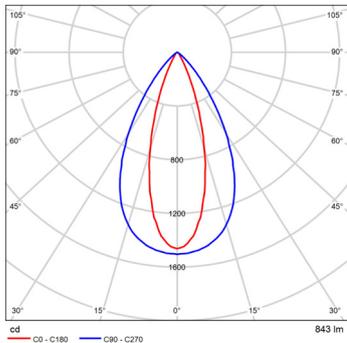


Distance [m]	Cone diameter [m]	E(I <sup>0</sup> )	E(I <sup>C90</sup> )	E(I <sup>C0</sup> )	Illuminance [lx]
0.50	0.83 0.13	8217	41.3°	1778	4048
1.0	1.6 0.27	2054	41.3°	444	1012
1.5	2.4 0.40	913	41.3°	198	450
2.0	3.2 0.53	514	41.3°	111	253
2.5	4.0 0.67	329	41.3°	71	162
3.0	4.8 0.80	228	41.3°	49	112

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

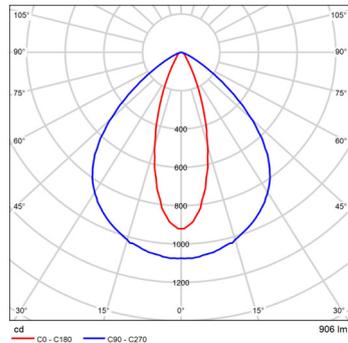


Distance [m]	Cone diameter [m]	E(I <sup>0</sup> )	E(I <sup>C90</sup> )	E(I <sup>C0</sup> )	Illuminance [lx]
0.50	0.56 0.28	8850	29.9°	1966	2812
1.0	1.12 0.56	1463	29.9°	491	693
1.5	1.68 0.84	658	29.9°	218	290
2.0	2.24 1.1	366	29.9°	123	163
2.5	2.8 1.4	234	29.9°	79	104
3.0	3.36 1.7	163	29.9°	55	73

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]	E(I <sup>0</sup> )	E(I <sup>C90</sup> )	E(I <sup>C0</sup> )	Illuminance [lx]
0.50	1.0 0.30	3681	45.3°	750	1817
1.0	2.0 0.60	920	45.3°	188	404
1.5	3.0 0.91	409	45.3°	83	185
2.0	4.0 1.2	230	45.3°	47	101
2.5	5.1 1.5	147	45.3°	30	65
3.0	6.1 1.8	102	45.3°	21	45

Distance [m]    Cone diameter [m]    Illuminance [lx]

— C0 - C180 (Beam angle: 15.4°)    — C90 - C270 (Beam angle: 50.6°)