

# 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.

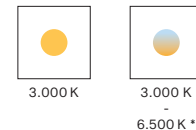
## COLOURS

\* UPON REQUEST



## COLOUR TEMPERATURE

\* UPON REQUEST

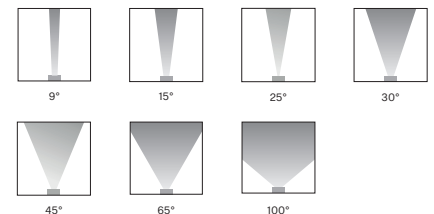


## CONTROL & PROTOCOLS

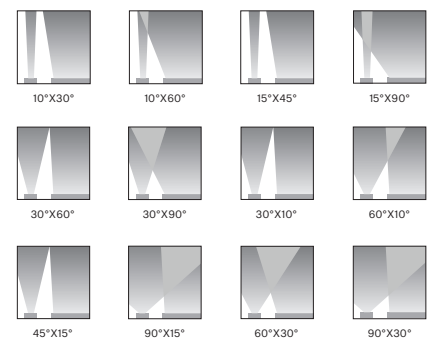


## OPTIC OPTIONS

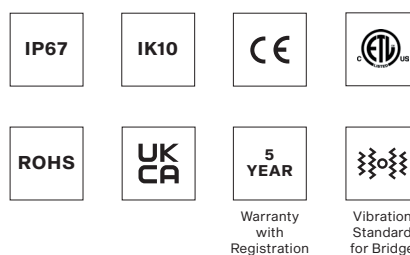
### SYMMETRICAL



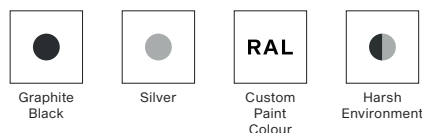
### BI-SYMMETRICAL



## STANDARD & SPECIFICATION



## FINISH OPTIONS



CALUMMA S MC SPECIFICATION

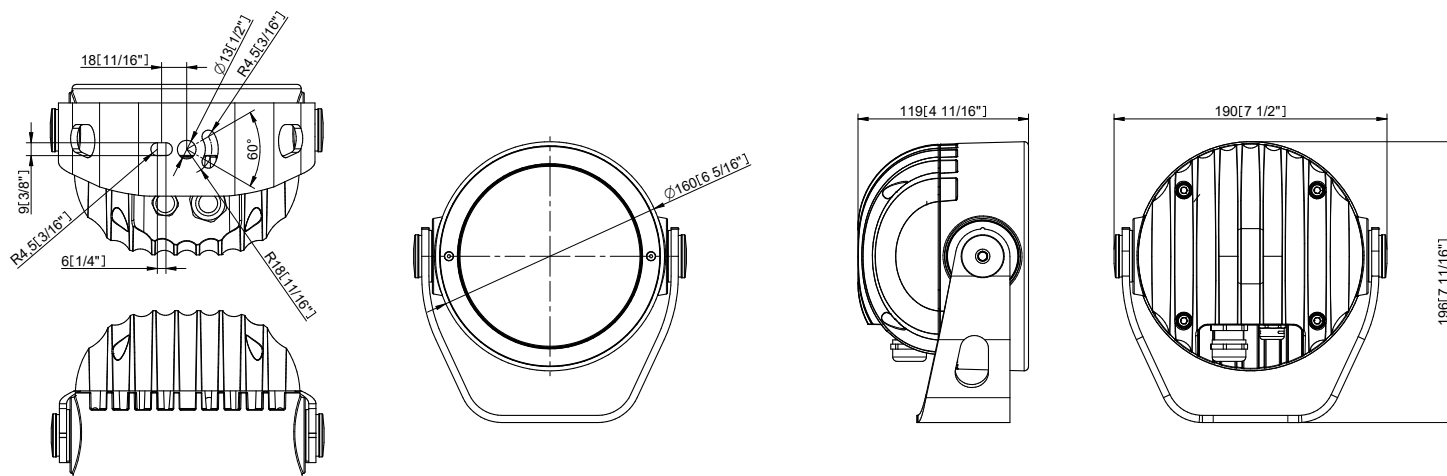
<b>ELECTRICAL</b>	Input Voltage	120 - 277 V AC 50/60 Hz (US)
	Typical Power Consumption	30 W +/-10 %
<b>OPTICAL</b>	Light Source	High Power Multichip LEDs
	Colour Variants	RGBW (W - 6500 K)   RGBA   PW (W - 3000 K) Other Variants On Request (TW 3000 - 6500 K)
	Beam Angle	9°   15°   25°   30°   45°   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
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
<b>PHYSICAL</b>	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)   Silver (RAL 9006) Cost Option - Custom RAL   Harsh Environment (RAL 9016, RAL 9011)
	Cables / Connections	<b>IN (for DMX, DALI):</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>	<b>Not Included Items</b>	
		Junction Box for Calumma
		Optical Demo Set for Calumma S (for demo purposes)
		Outdoor Foil Holder for Calumma S (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
		Tenon Adaptor for Calumma S
		Floor Stand for Calumma S, M Pole Adaptor (ø 102mm) (Yoke for Pole Adaptor Required)

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>
<b>Calumma S</b>	0,023	0,250	0,019	0,207	0,018	0,196
<b>with Top Hat</b>	0,023	0,250	0,027	0,290	0,027	0,290
<b>with Half Top Hat</b>	0,023	0,250	0,022	0,232	0,027	0,290

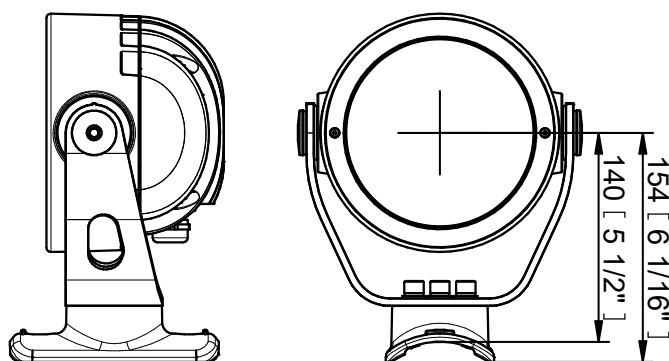
DIMENSIONS

Standard Yoke



Yoke for Pole Adaptor (with Pole Adaptor / PA)

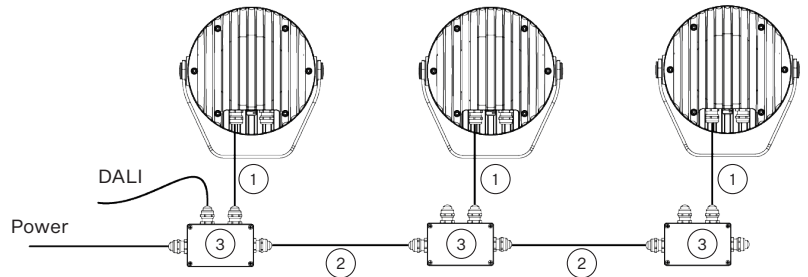
Example of ordering code: Calumma S MC RGBCW 15° PA



CONTROL AND CONNECTION OPTIONS - CE

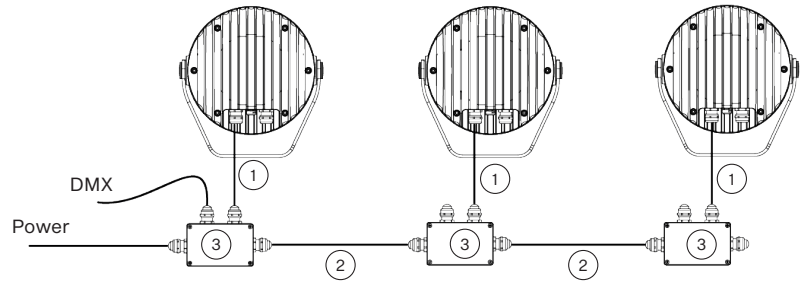
**DALI**

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



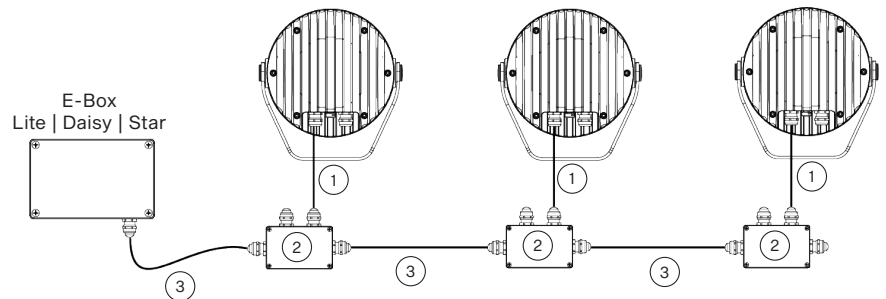
**DMX**

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



**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 for Calumma
- 3) Flamar 3x AWG 16 + 1x (2x AWG 24), (13051508), black  
or  
Hybrid Cable HYB-5731ZH LSZH (13053694) white  
or  
Scope of Others

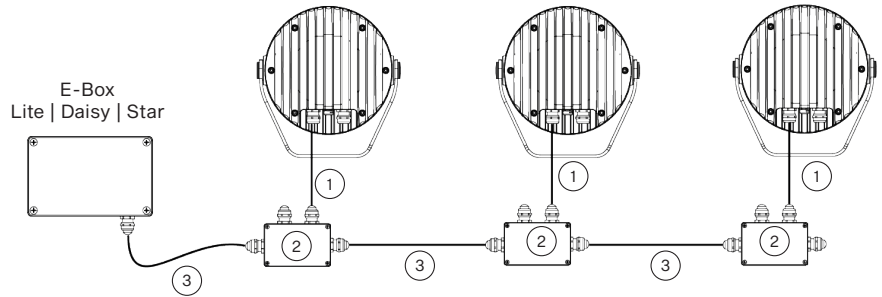


**Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.**

**CONTROL AND CONNECTION OPTIONS - US**

**DMX or ETHERNET via E-BOX**

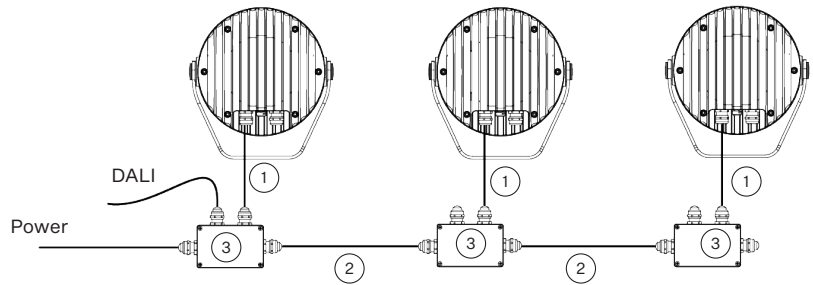
- 1) SJTW 6x 14AWG (13053480)  
Standard 1 m with bare-end, black  
or  
Cable SJTW 6x 14AWG (13053695), white
- 2) Junction Box for Calumma
- 3) SJTW 6x 14AWG (13053480), black  
or  
Cable SJTW 6x 14AWG (13053695), white  
or  
Scope of Others



**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 for Calumma



**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
<b>CALUMMA S MC</b>	<b>10</b>	32	32	32	32
	<b>20</b>	32	32	32	32
	<b>30</b>	32	32	32	32
	<b>50</b>	26	32	32	32
	<b>70</b>	18	32	32	32
	<b>100</b>	13	32	32	32

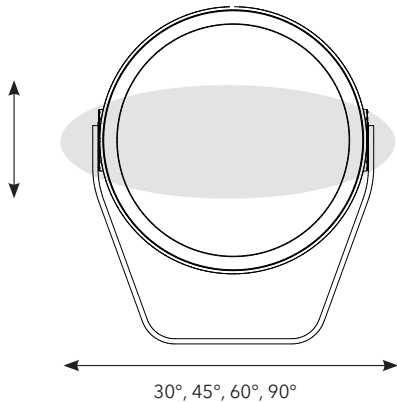
PHOTOMETRIC OVERVIEW

	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

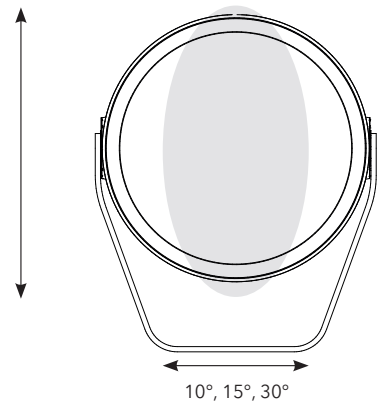
Bi-symmetrical:  
10°x30°,  
10°x60°,  
15°x45°,  
15°x90°,  
30°x60°,  
30°x90°

10°, 15°, 30°



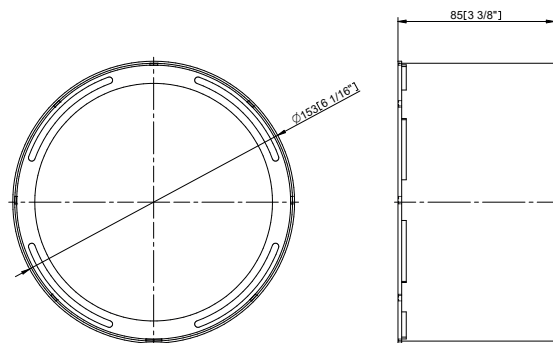
Bi-symmetrical:  
30°x10°,  
60°x10°,  
45°x15°,  
90°x15°,  
60°x30°,  
90°x30°

30°, 45°, 60°, 90°

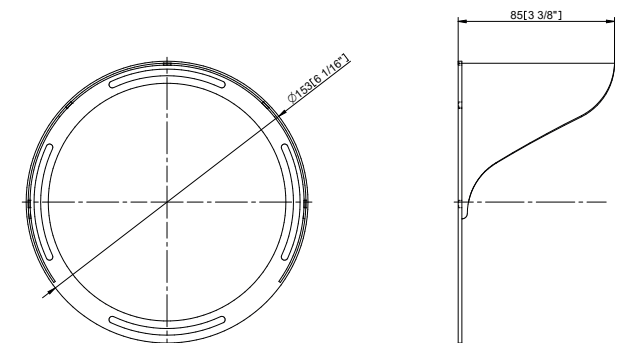


ACCESSORIES

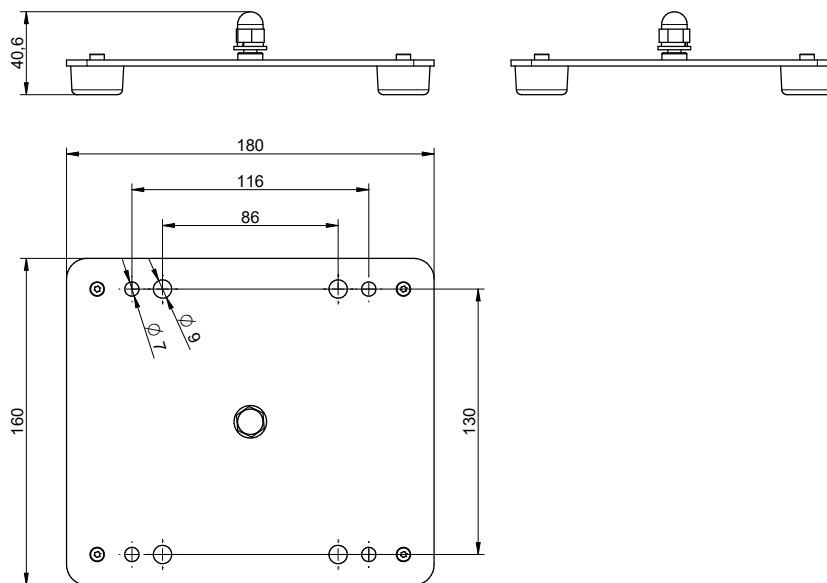
Top Hat



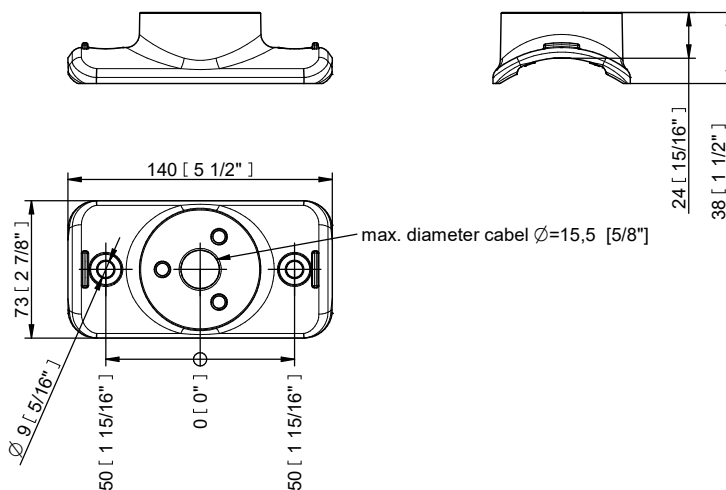
Half Top Hat



Floor Stand

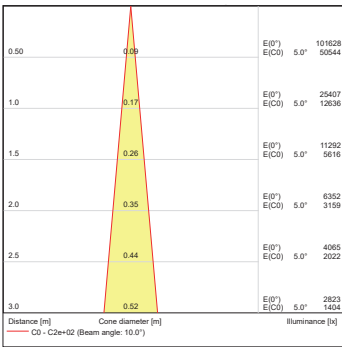
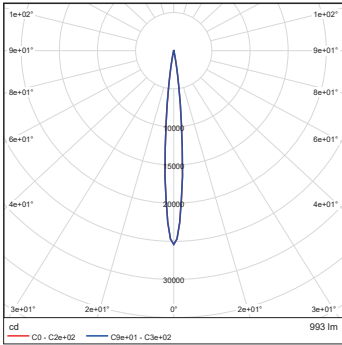


Pole Adaptor

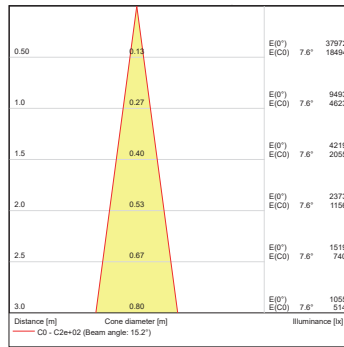
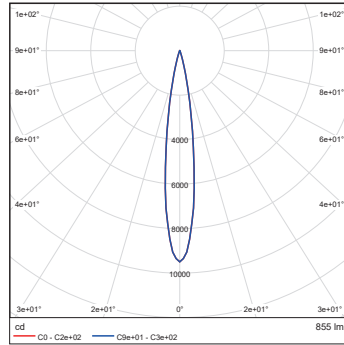


PHOTOMETRIC DATA

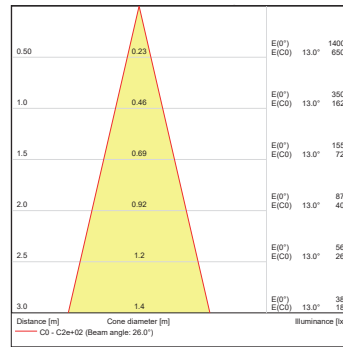
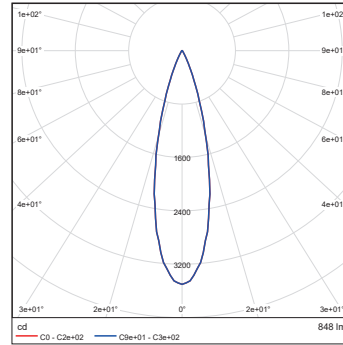
Calumma S MC RGBW 6500K 10dg



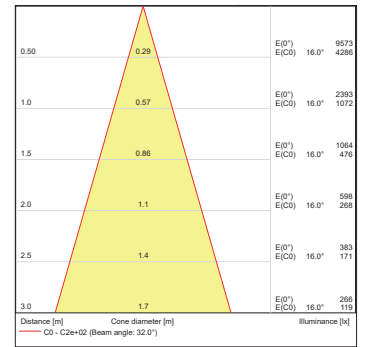
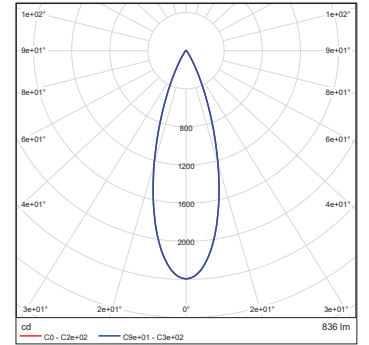
Calumma S MC RGBW 6500K 15dg



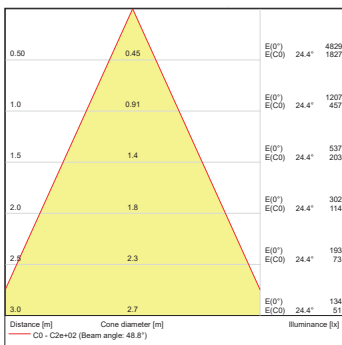
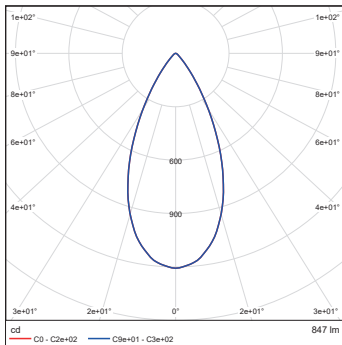
Calumma S MC RGBW 6500K 25dg



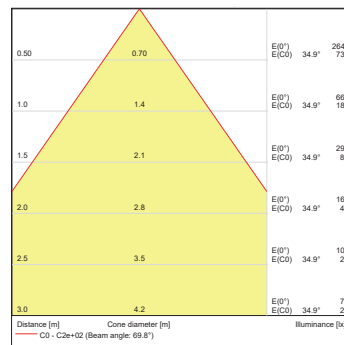
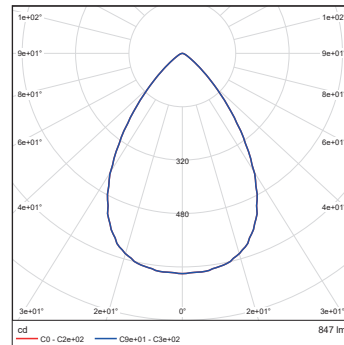
Calumma S MC RGBW 6500K 30dg



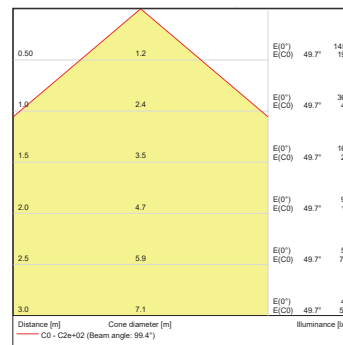
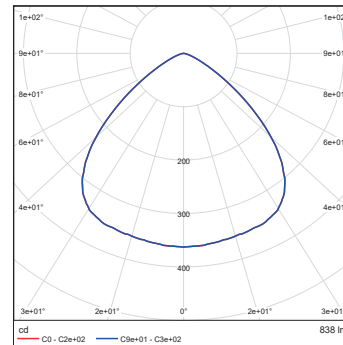
Calumma S MC RGBW 6500K 45dg



Calumma S MC RGBW 6500K 65dg



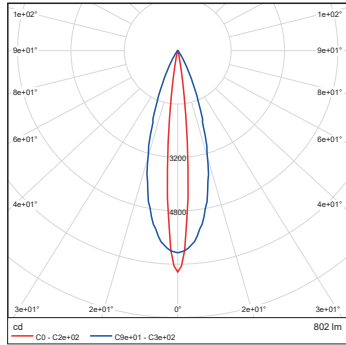
Calumma S MC RGBW 6500K 100dg



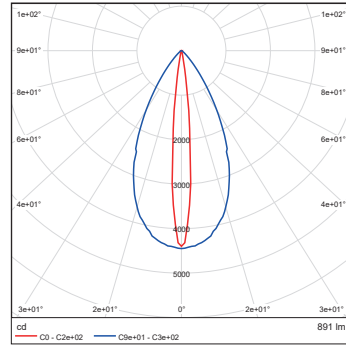


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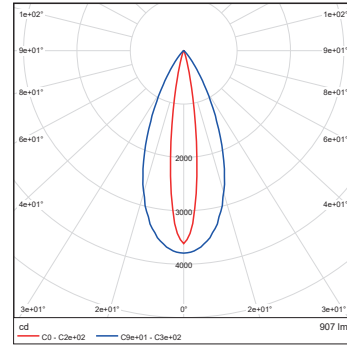
Calumma S MC RGBW 6500K  
10x30dg



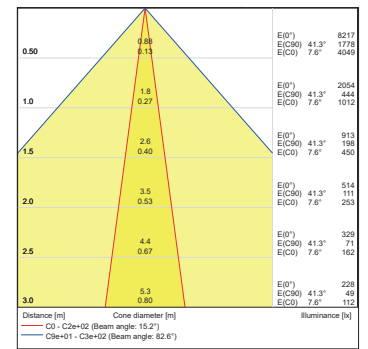
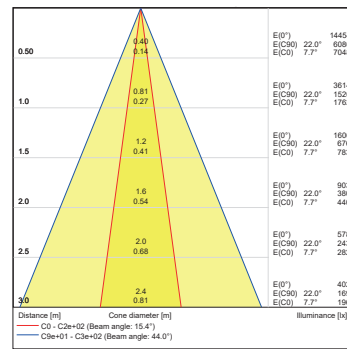
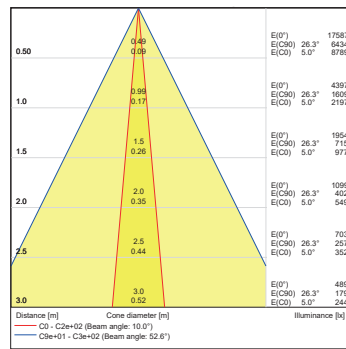
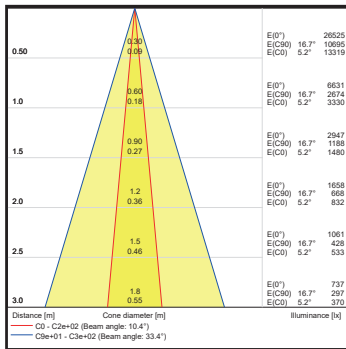
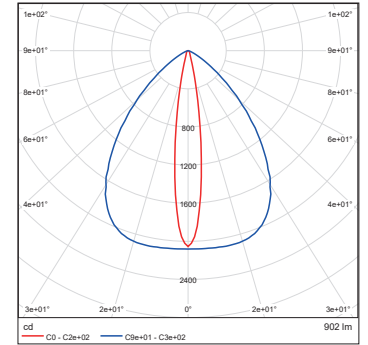
Calumma S MC RGBW 6500K  
10x60dg



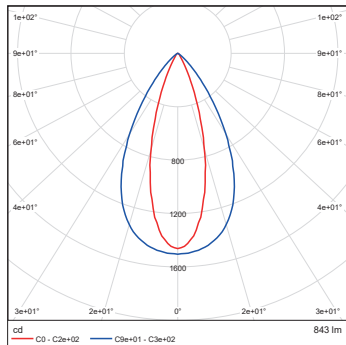
Calumma S MC RGBW 6500K  
15x45dg



Calumma S MC RGBW 6500K  
15x90dg



Calumma S MC RGBW 6500K  
30x60dg



Calumma S MC RGBW 6500K  
30x90dg

