

CALUMMA™ XS MC

Using a single high-power, multi-chip LED inside a compact, elegant, and durable housing, the smallest Calumma is a great choice for many different lighting applications. Complementing both outdoor environments and interior designs, its wide range of beam angles, LED chip colour variant options and accessories make the Calumma XS MC an ideal, extra small lighting solution for any architectural design.



KEY FEATURES

Lumen output & Light source

Luminaire with one high-power, multi-chip LED provides light output up to 331 lumens with an efficacy of 33 lm/w. Offering a choice of multiple LED colour variants, precise beam control with no light spill, and perfectly homogenised light output, it's an excellent solution for applications requiring high performance in a compact luminaire.

Design & Durability

Lightweight, 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

An exceptionally compact luminaire available with a wide range of accessories, custom colour finishes, LED choices, and beam angle options, Calumma XS offers the lighting designer a flexible solution for the most demanding applications.

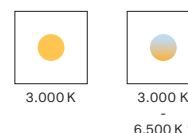
COLOURS

* UPON REQUEST



COLOUR TEMPERATURE

* UPON REQUEST

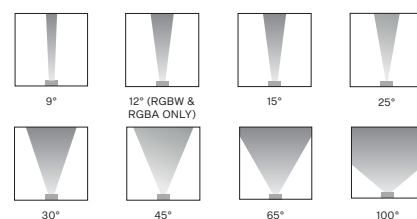


CONTROL & PROTOCOLS

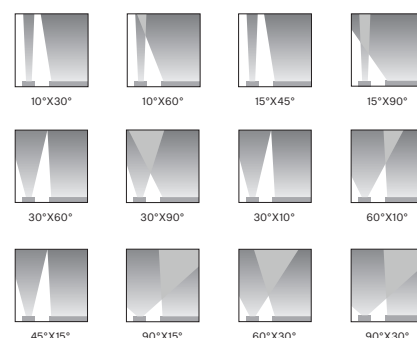


OPTIC OPTIONS

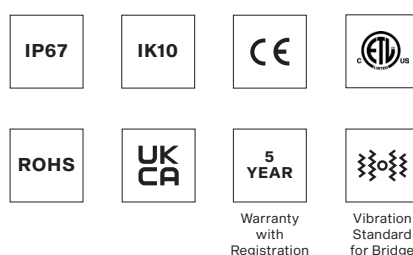
SYMMETRICAL



BI-SYMMETRICAL



STANDARD & SPECIFICATION



FINISH OPTIONS

* CLOSEST RAL TONE
* HE = Harsh Environment

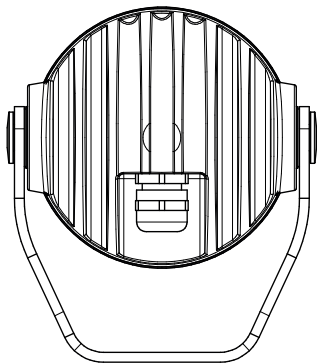
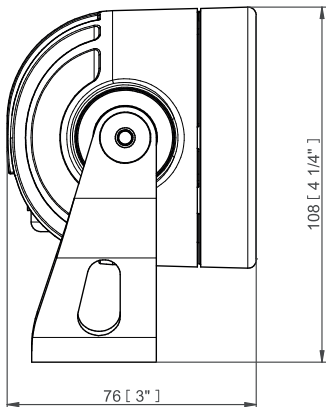
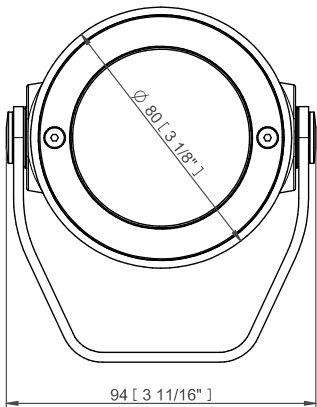
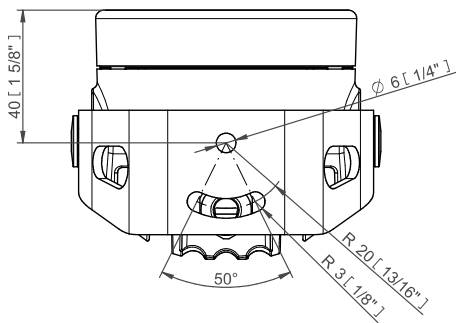


SPECIFICATION

ELECTRICAL	Typical Power Consumption	10 W	
	Input Voltage	48 V	
OPTICAL	Light Source	High Power Multichip LED	
	Colour Variants	RGBW (W - 6500 K) RGBA PW (W - 3000 K)	
		Other Variants On Request (TW 3000 - 6500 K)	
	Beam Angle	9° 12° (RGBW & RGBA only) 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°	
CONTROL	Lumen Output Delivered	331 lm (@9°RGBW)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
	Interface protocol	Via E-box Remote or E-box Remote Basic	
	E-Box Remote control protocol	USITT DMX512/RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net	
	Setting / addressing	E-box Remote, RDM communicator	
	Connectivity & Power Supply	E-Box Remote Remote Basic	
PHYSICAL	Width x Height x Depth	94 x 108 x 76 mm (3.7 x 4.2 x 2.99 in.)	
	Weight	0.59 kg 1.3 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
	Cabels / Connectivity	IN - 1 m cable with bare end - Other cable length - custom - Junction box - optional	IN - Cable (5x AWG20) 0,5m, with Connector MM
	Mounting Method	Yoke or Yoke for Pole Adaptor	
	Adjustability	+180° / -180°	
	Protection Factor	IP67 (IP66 Junction Box) / Suitable For Wet Locations	
	IK Rating	IK10	
	Cooling System	Convection	
ACCESSORIES	Operating Ambient Temperature	-20 °C / +50 °C (-4 °F / +122 °F)	
	Not Included Items	ETL / cETL, CE, RoHS, UKCA	
		Optical Demo Set for Calumma XS (for demo purposes)	
		Outdoor Foil Holder for Calumma XS (for permanent installation)	
		Optical Foil Set for Outdoor Foil Holder Calumma XS	
		Re-enterable Electrical Insulating Resin	
		Tenon Adaptor	
		Land Spike for Calumma XS	
		Top Hat Calumma XS	
		Half Top Hat Calumma XS	
		Twin Wall Cover Calumma XS	
		Pole Adaptor (ø 102mm) (Yoke for Pole Adaptor Required)	

IN (1m cable with bare end version)	Junction Box Remote (1x Output)
	Junction Box Remote (4x Output)
	Cable UL20969 5x AWG20 (black or white) - Calumma XS input cable
	Cable SJTW 5x AWG14 (black or white) - main connection between Junction Boxes
ACCESSORIES	Leader Cable FF 0.1m CE AD-05
	Jumper Cable MM/FFCE AD-05 0.5m 1m 3m 5m
	T-connector FMF CE AB-AD-05
	Waterproof Cap for M connector AD-05
	Waterproof Cap for F connector AD-05
	Cable SJTW 5x AWG14 (black or white) - main connection between Junction Boxes
	Connection Box Remote 1x Out (AWG14-to-AWG20)
	Connection Box Remote 2x Out (AWG14-to-AWG14&AWG20)
	Field Installable Connector FF DC-05 (for 5x AWG14)
	Field Installable Connector FM DC-05 (for 5x AWG14)
IN (0,5m cable 5xAWG20 with connector MM version)	

DIMENSIONS

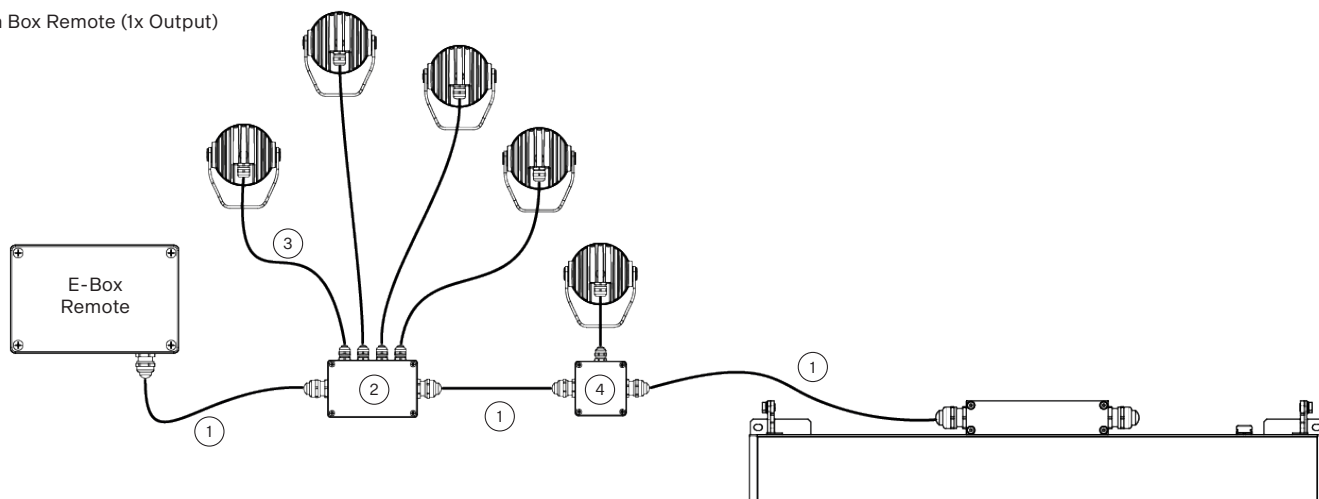


Product:	Calumma XS

CONTROL AND CONNECTION OPTIONS

IN (1m cable with bare end)

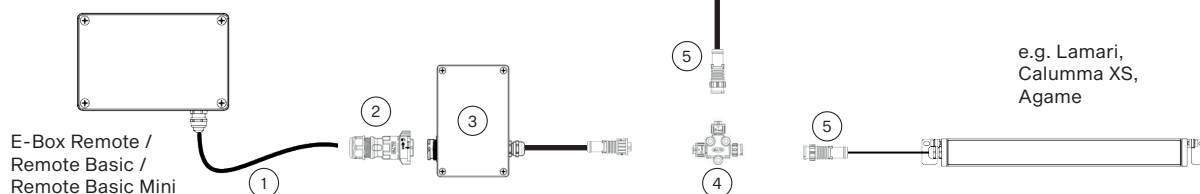
- 1) SJTW 5x 14AWG (13053336), Standard with bare-end, black, or On request Cable SJTW 5x 14AWG (13053697), with bare-end, white
- 2) Junction Box Remote (4x Output)
- 3) Cable UL 20969 5x 20AWG (13053481), black or On request Cable UL 20969 5x 20AWG (13053696), white
- 4) Junction Box Remote (1x Output)



IN (0,5m cable 5xAWG20 with connector MM)

- 1) SJTW 5x 14AWG (13053336), Standard with bare-end, black, or On request Cable SJTW 5x 14AWG (13053697), with bare-end, white
- 2) Field Installable Connector FF DC-05 (13053971)
- 3) Connection Box Remote 1x Out (AWG14-to-AWG20), Cable (5x AWG20) 0,1m, with Connector FF
- 4) T-connector FMF, (13053935)
- 5) Cable (5x AWG20) 0,5m, with Connector MM

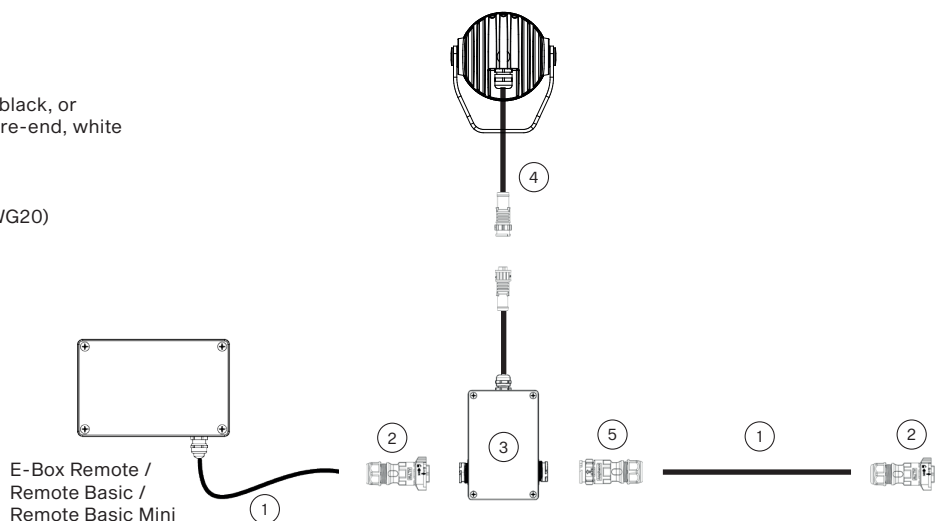
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



e.g. Lamari,
Calumma XS,
Agame

- 1) SJTW 5x 14AWG (13053336), Standard with bare-end, black, or On request Cable SJTW 5x 14AWG (13053697), with bare-end, white
- 2) Field Installable Connector FF DC-05 (13053971)
- 3) Connection Box Remote 2x Out (AWG14-to-AWG14&AWG20) Cable (5x AWG20) 0,1m, with Connector FF
- 4) Cable (5x AWG20) 0,5m, with Connector MM
- 5) Field Installable Connector FM DC-05 (13053973)

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

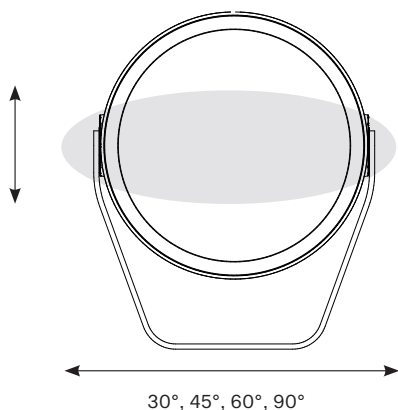


BI-SYMMETRICAL BEAM ANGLES

Bi-symmetrical:

10°x30°,
10°x60°,
15°x45°,
15°x90°,
30°x60°,
30°x90°

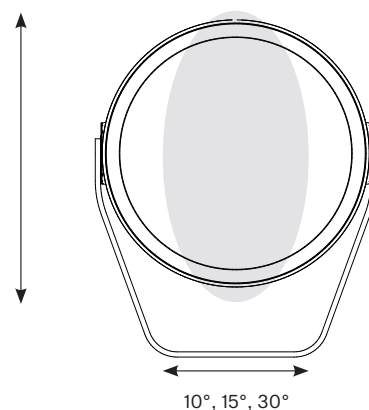
10°, 15°, 30°



Bi-symmetrical:

30°x10°,
60°x10°,
45°x15°,
90°x15°,
60°x30°,
90°x30°

30°, 45°, 60°, 90°



PHOTOMETRIC OVERVIEW

Lumen Output (lm)

	RGBCW (W 6500 K)	RGBA	WW (W 3000 K)
9°	331	284	282
12°	331	284	-
15°	256	220	218
25°	254	218	217
30°	250	214	213
45°	254	218	217
65°	254	218	217
100°	251	215	214
10° x 30°, 30° x 10°	240	206	205
10° x 60°, 60° x 10°	267	229	228
15° x 45°, 45° x 15°	272	233	232
30° x 60°, 60° x 30°	252	216	215
30° x 90°, 90° x 30°	272	233	232
15° x 90°, 90° x 15°	301	258	257

PROJECTED AREA

	Front (rear) - m²	Front (rear) ft²	Side - m²	Side - ft²	Top - m²	Top - ft²
Calumma XS	0,006	0,065	0,007	0,070	0,006	0,065
with Top Hat	0,006	0,065	0,014	0,151	0,014	0,151
with Half Top Hat	0,006	0,065	0,008	0,082	0,014	0,151

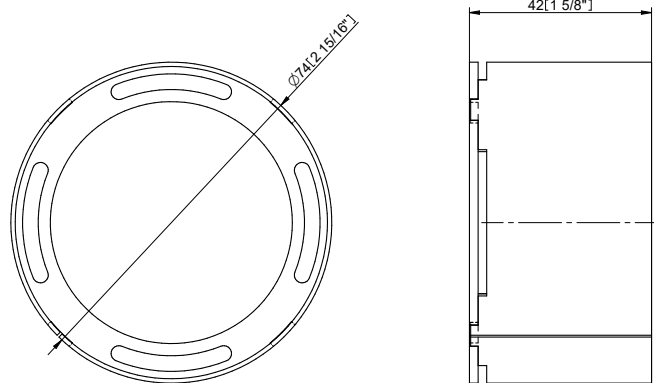
CONNECTIVITY

Following table shows maximum connected Calummas XS SC in a row with respect of cable length.

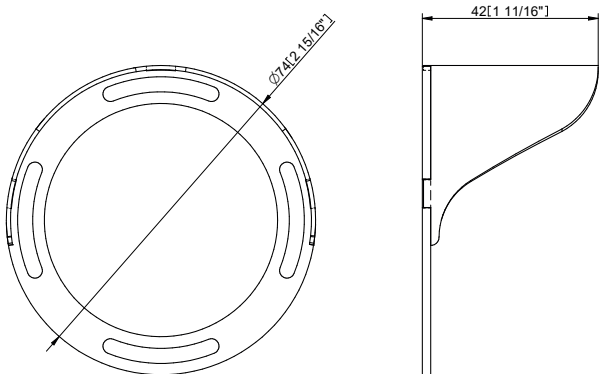
Cable length	Per E-Box Remote	Per 1 LED output
50 m (max per 1 output)	40 pcs	20 pcs
100 m (total length, 2x output)		20 pcs

ACCESSORIES

Top Hat

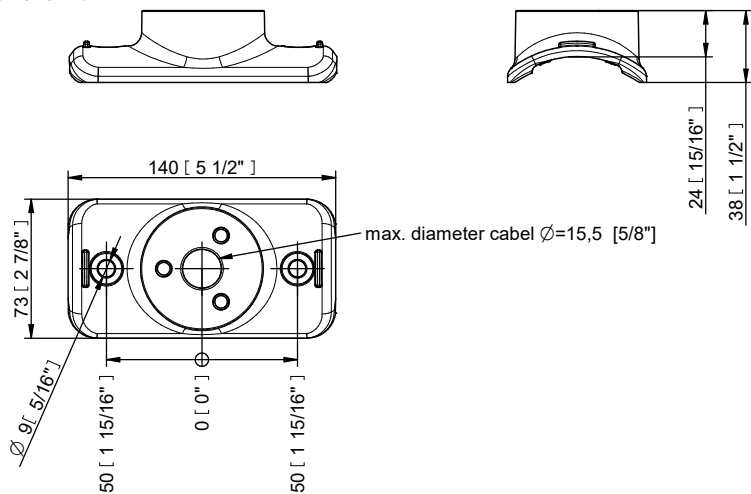


Half Top Hat

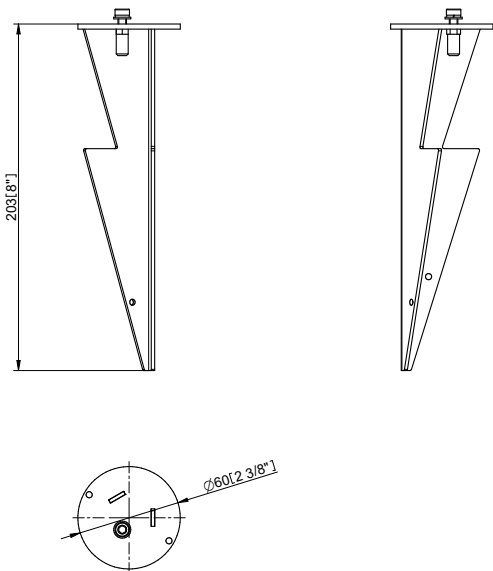


Pole Adaptor (Ø 102mm, Yoke for pole Adaptor Required / PA)

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

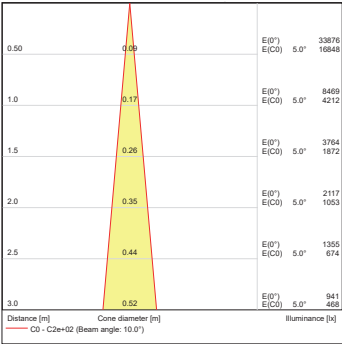
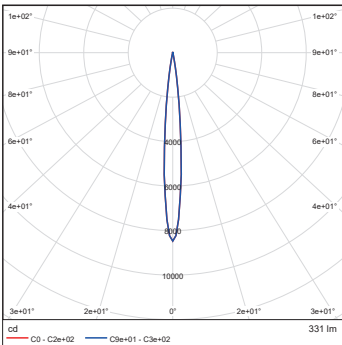


Land Spike for Calumma XS

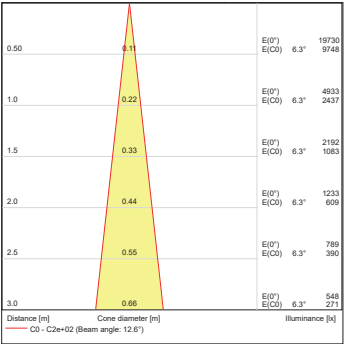
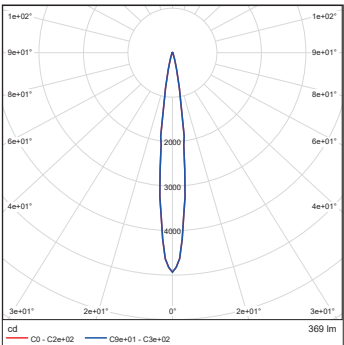


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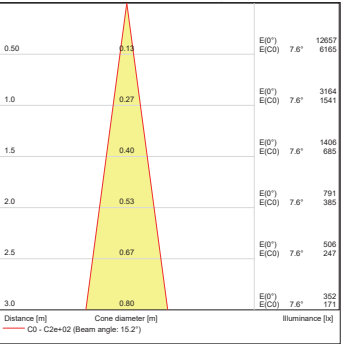
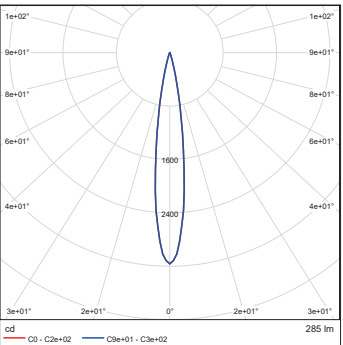
Calumma XS MC RGBW 6500K 10dg



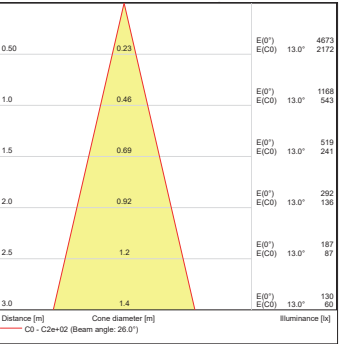
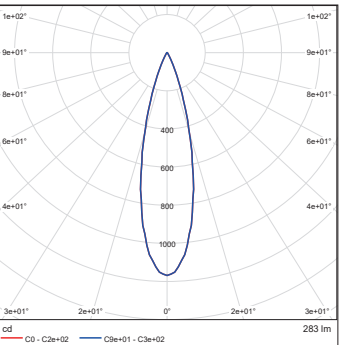
Calumma XS MC RGBW 6500K 12dg



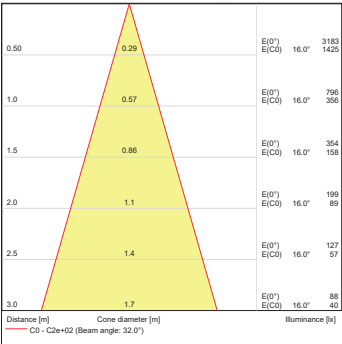
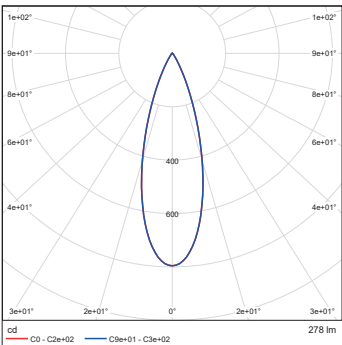
Calumma XS MC RGBW 6500K 15dg



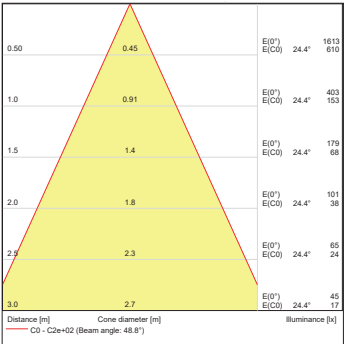
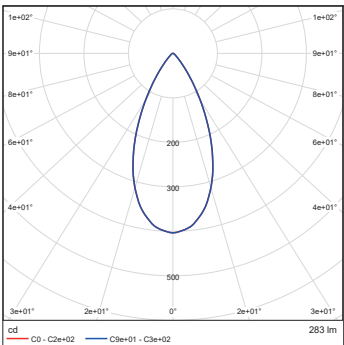
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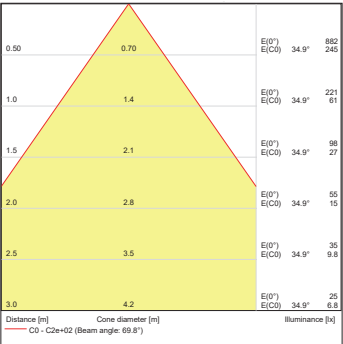
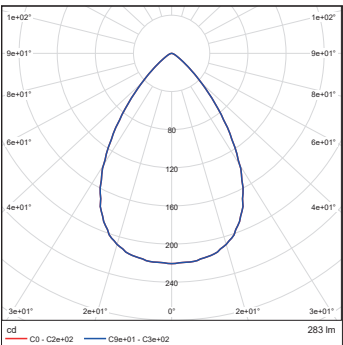
Calumma XS MC RGBW 6500K 30dg



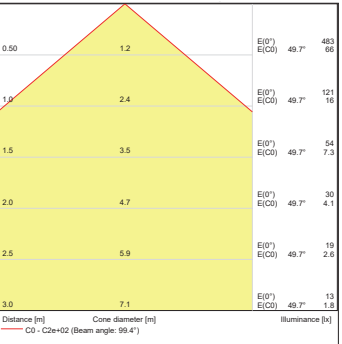
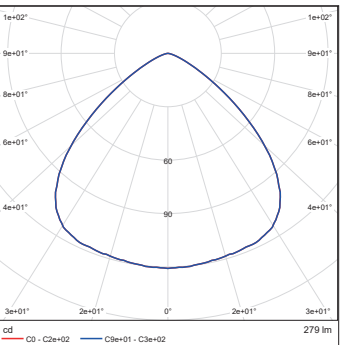
Calumma XS MC RGBW 6500K 45dg



Calumma XS MC RGBW 6500K 65dg

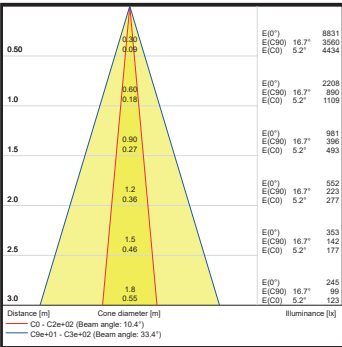
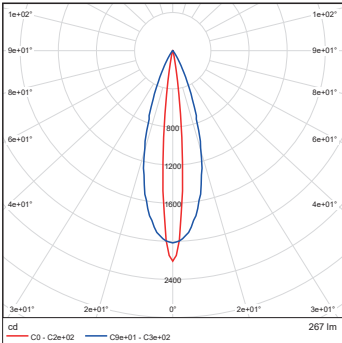


Calumma XS MC RGBW 6500K 100dg

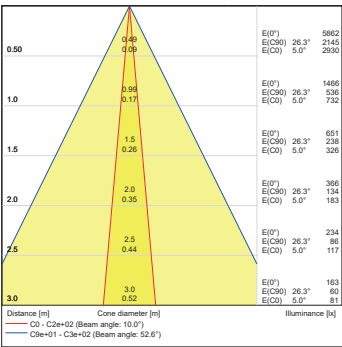
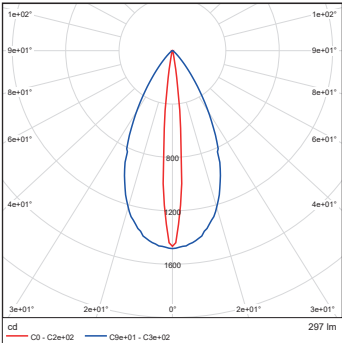


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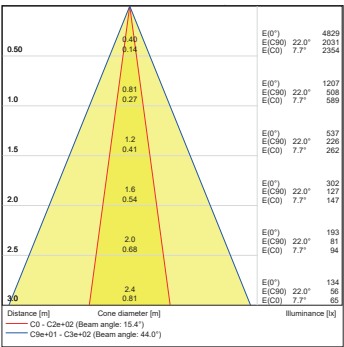
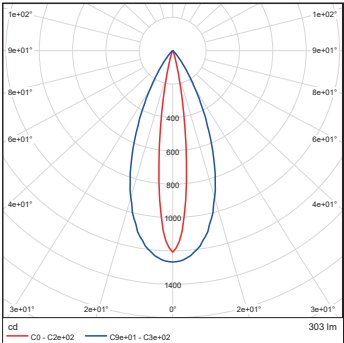
Calumma XS MC RGBW 6500K
10x30dg



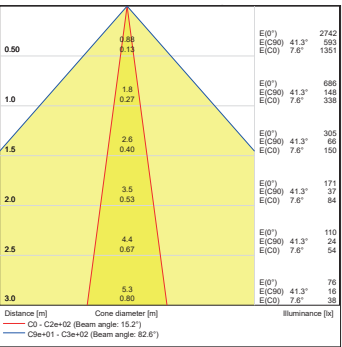
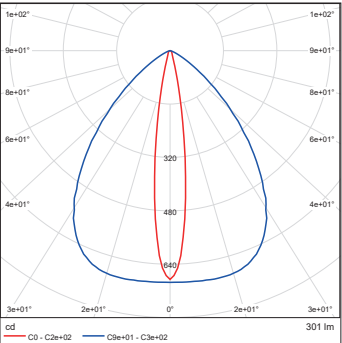
Calumma XS MC RGBW 6500K
10x60dg



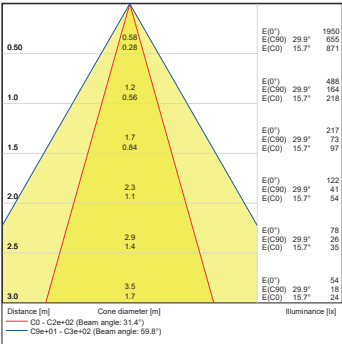
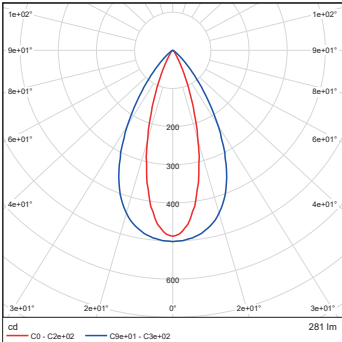
Calumma XS MC RGBW 6500K
15x45dg



Calumma XS MC RGBW 6500K
15x90dg



Calumma XS MC RGBW 6500K
30x60dg



Calumma XS MC RGBW 6500K
30x90dg

