

CALUMMA™ XS SC

Using a four high-power, single-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 white variant options and accessories make the Calumma XS SC an ideal, extra small lighting solution for any architectural design.



KEY FEATURES

Lumen output & Light source

Luminaire with four high-power, single-chip LEDs provides up to 457 lumen output (@10°, PW 3000 K). No light spills.

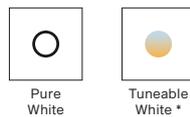
Design & Durability

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, and beam angle options, Calumma XS offers the lighting designer a flexible solution for the most demanding applications.

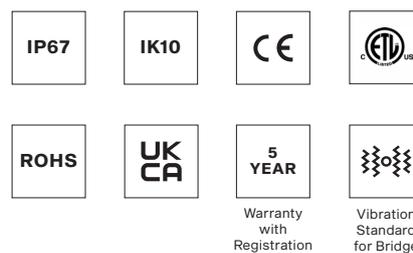
COLOURS



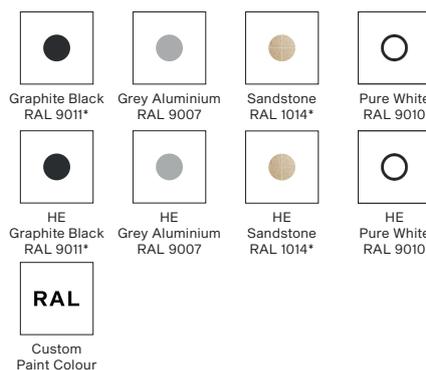
CONTROL & PROTOCOLS



STANDARD & SPECIFICATION

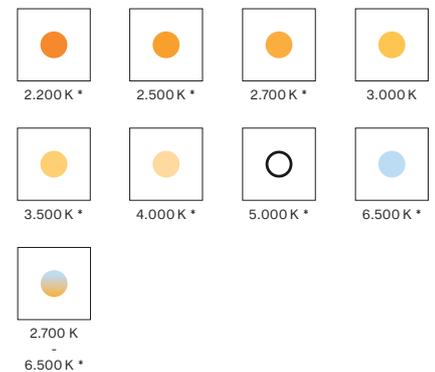


FINISH OPTIONS



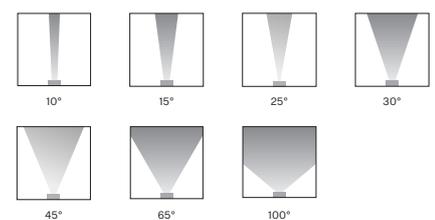
COLOUR TEMPERATURE

* UPON REQUEST

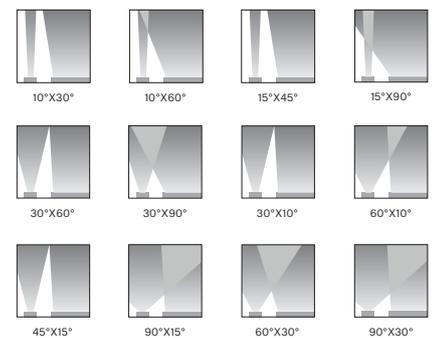


OPTIC OPTIONS

SYMMETRICAL



BI-SYMMETRICAL



SPECIFICATION

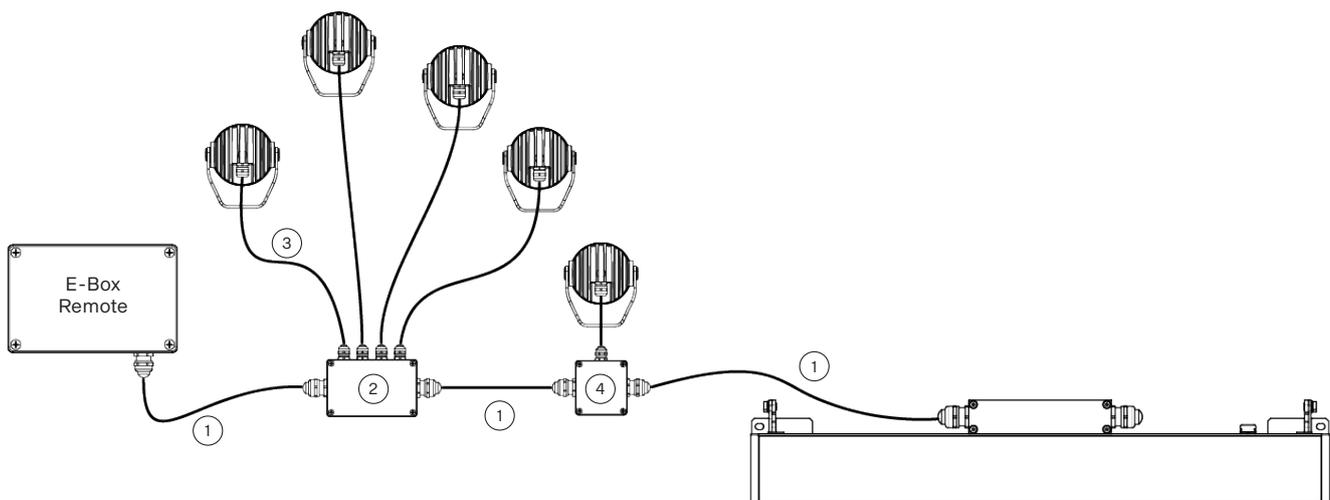
ELECTRICAL	Input Voltage	48 V		
	Typical Power Consumption	10 W		
OPTICAL	Light Source	High Power Single Chip LEDs		
	Colour Variants	PW (W - 3000 K)		
		On Request: TW (2700 - 6500 K), 2200 K, 2500 K, 2700 K, 3500 K, 4000 K, 5000 K, 6500 K		
	Beam Angle	10° 15° 25° 30° 45° 65° 100°		
		10°x30° 30°x10° 10°x60° 60°x10° 15°x45° 45°x15° 15°x90° 90°x15° 30°x60° 60°x30° 30°x90° 90°x30°		
		Lumen Output Delivered	457 lm (@ 10°, PW 3000 K)	
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F			
CONTROL	Interface protocol	Via E-box Remote or E-box Remote Basic ON/OFF (PW & single colour only)		
	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	0.6 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	
	Cables / Connectivity	IN (for DMX, DALI): - 1 m cable with bare end - Other cable length - custom - Junction box - optional		IN (for E-Box Version): - Cable (5x20 AWG) 0.5 m, 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			
Operating Ambient Temperature	-20°C / +50°C (-4°F / +122°F)			
CERTIFICATION	Listings	ETL / cETL, CE, RoHS, UKCA		
ACCESSORIES	Not Included Items	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		
		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)				

	Junction Box Remote (1x Output)
	Junction Box Remote (4x Output)
IN (1 m cable with bare end version)	Cable UL20969 5x20 AWG (black or white) - Calumma XS input cable
	Cable SJTW 5x14 AWG (black or white) - main connection between Junction Boxes
ACCESSORIES	Leader Cable FF 0.1 m CE AD-05
	Jumper Cable MM/FFCE AD-05 0.5 m 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 5x14 AWG (black or white) - main connection between Junction Boxes
	Connection Box Remote 1x Out (14 AWG–20 AWG)
	Connection Box Remote 2x Out (14 AWG–14 AWG & 20 AWG)
	Field Installable Connector FF DC-05 (for 5x14 AWG)
	Field Installable Connector FM DC-05 (for 5x14 AWG)
IN (0.5 m cable 5x20 AWG with connector MM version)	

CONTROL AND CONNECTION OPTIONS

IN (1m cable with bare-end)

- 1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black or on request Cable SJTW 5x14 AWG (13053697), with bare-end, 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)

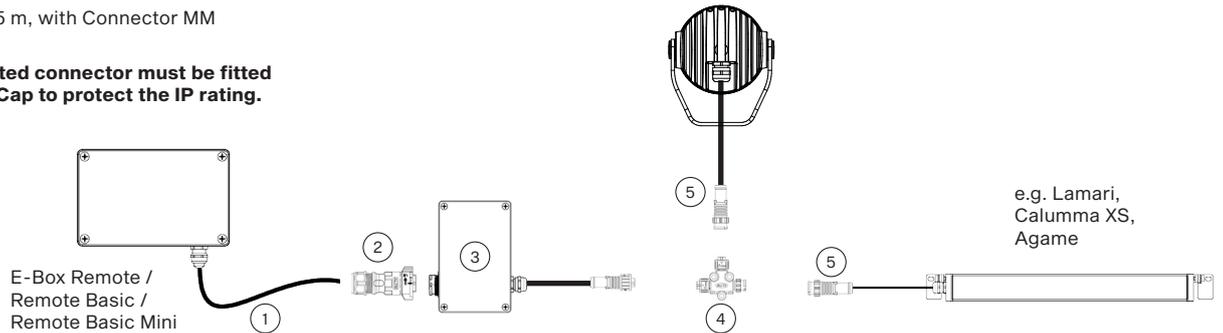


CONTROL AND CONNECTION OPTIONS

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

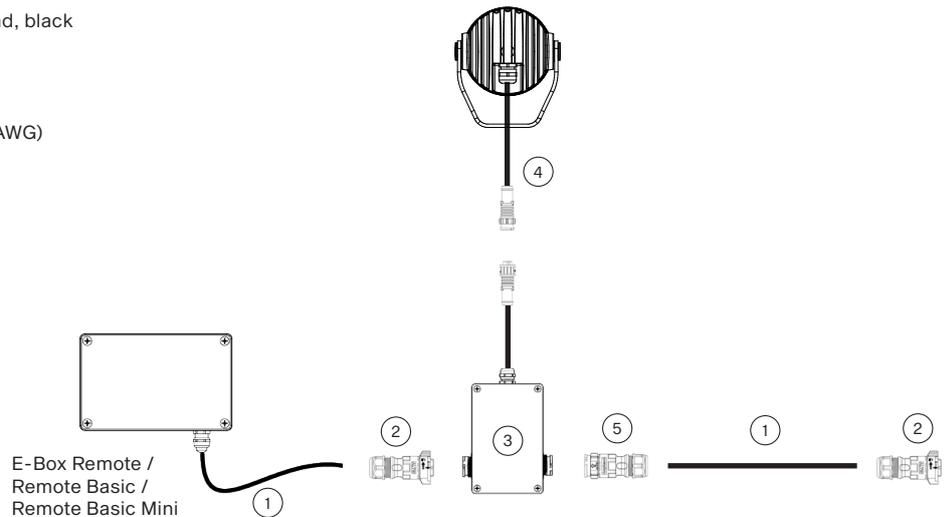
- 1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black or on request Cable SJTW 5x14 AWG (13053697), white
- 2) Field Installable Connector FF DC-05 (13053971)
- 3) Connection Box Remote 1x Out (14 AWG–20 AWG) Cable (5x20 AWG) 0.1 m, with Connector FF
- 4) T-connector FMF, (13053935)
- 5) Cable (5x20 AWG) 0.5 m, with Connector MM

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



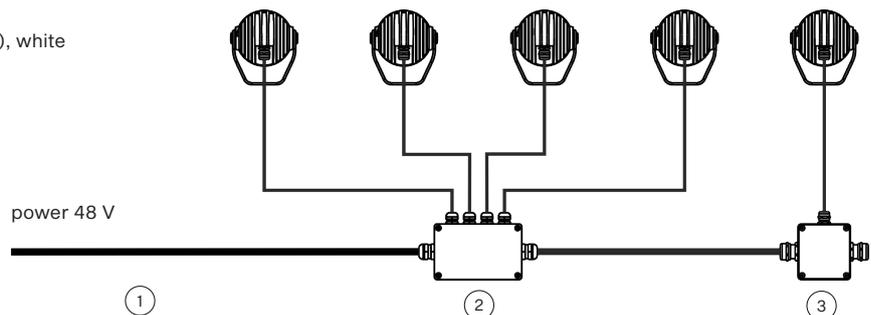
- 1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black or on request Cable SJTW 5x14 AWG (13053697), white
- 2) Field Installable Connector FF DC-05 (13053971)
- 3) Connection Box Remote 2x Out (14 AWG–14 AWG & 20 AWG) Cable (5x20 AWG) 0.1 m, with Connector FF
- 4) Cable (5x20 AWG) 0.5 m, with Connector MM
- 5) Field Installable Connector FM DC-05 (13053973)

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



ON/OFF

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



CONNECTIVITY

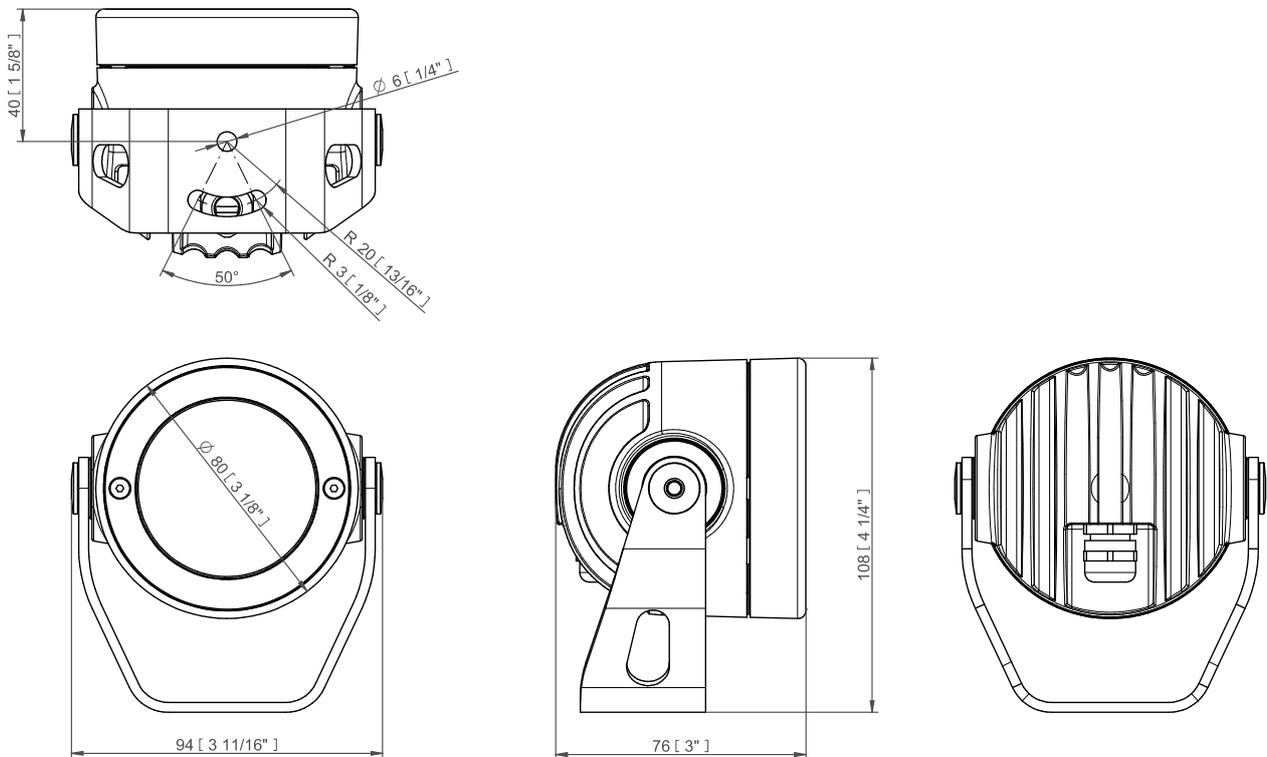
Following table shows maximum connected Calummas XS SC in a row with respect of cable length.

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

PROJECTED AREA

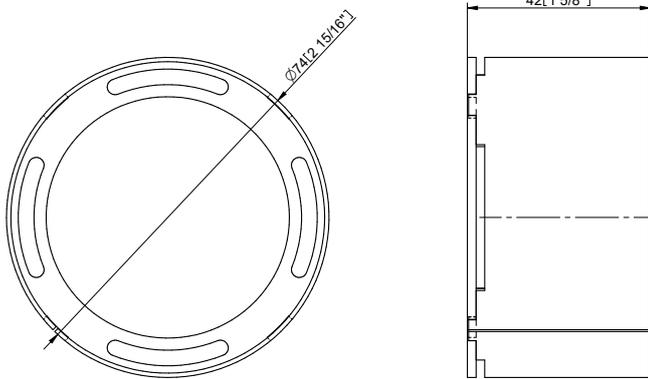
	Front (rear) - m ²	Front (rear) ft ²	Side - m ²	Side - ft ²	Top - m ²	Top - ft ²
Calumma XS	0,006	0,065	0,007	0,070	0,006	0,065
with Top Hat	0,006	0,065	0,014	0,151	0,014	0,151
with Half Top Hat	0,006	0,065	0,008	0,082	0,014	0,151

DIMENSIONS

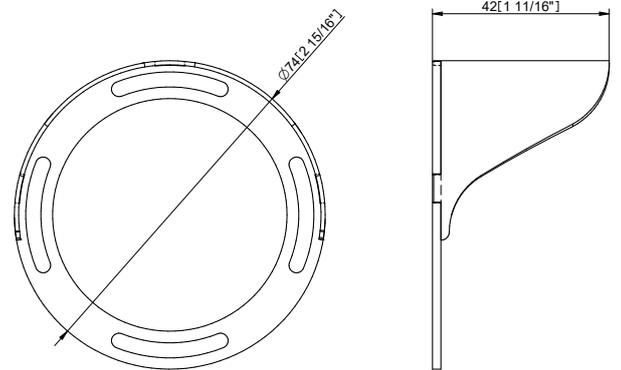


ACCESSORIES

Top Hat

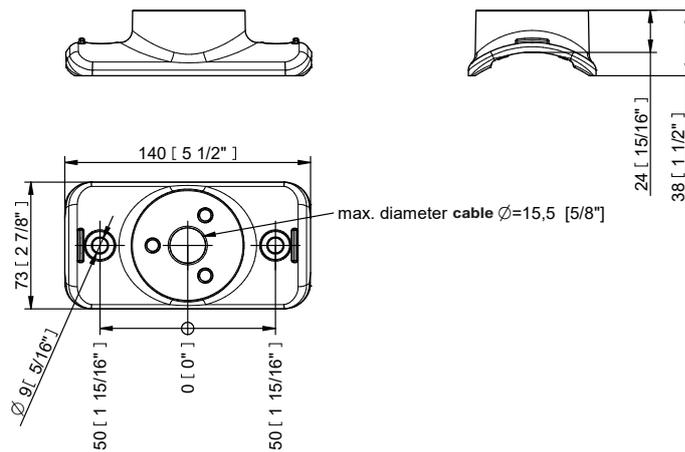


Half Top Hat

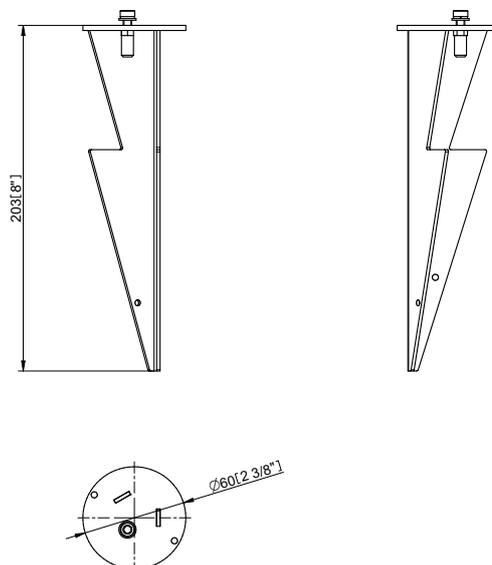


Pole Adaptor ($\varnothing 102\text{mm}$, Yoke for pole Adaptor Required / PA)

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



Land Spike for Calumma XS



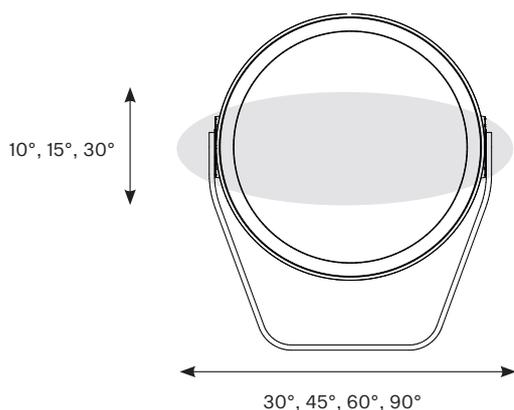
PHOTOMETRIC OVERVIEW

WW (W 3000 K)	
10°	457
15°	416
25°	406
30°	399
45°	407
65°	399
100°	404
10° x 30°, 30° x 10°	401
10° x 60°, 60° x 10°	400
15° x 45°, 45° x 15°	417
30° x 60°, 60° x 30°	397
30° x 90°, 90° x 30°	374
15° x 90°, 90° x 15°	392

BI-SYMMETRICAL BEAM ANGLES

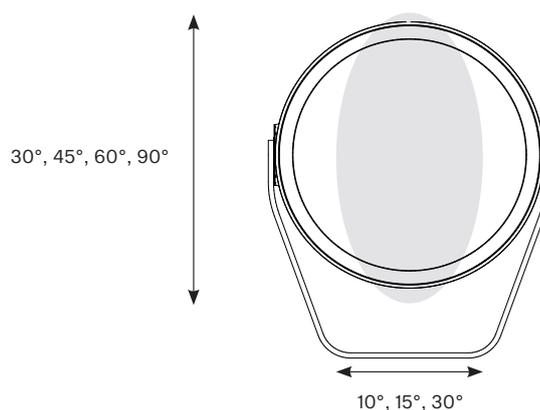
Bi-symmetrical:

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



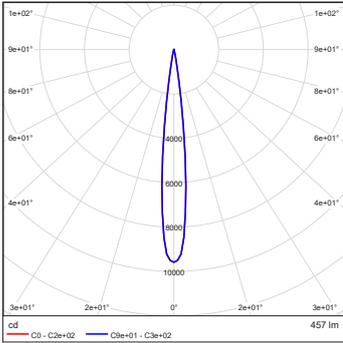
Bi-symmetrical:

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

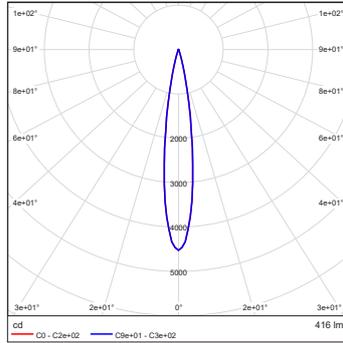


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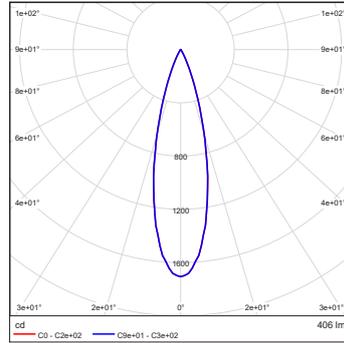
Calumma XS SC PW 3000K 10dg



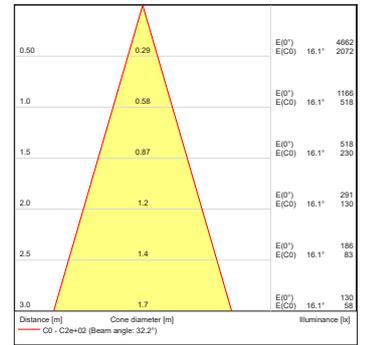
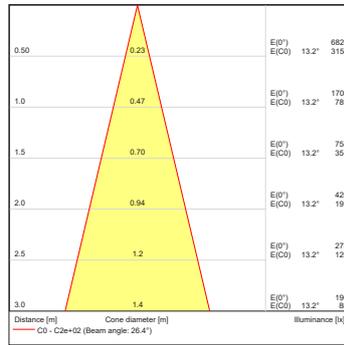
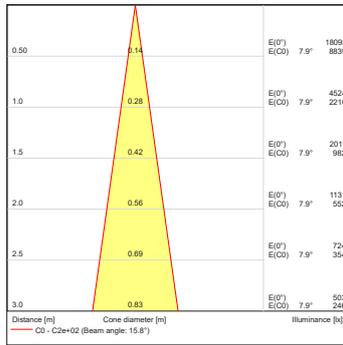
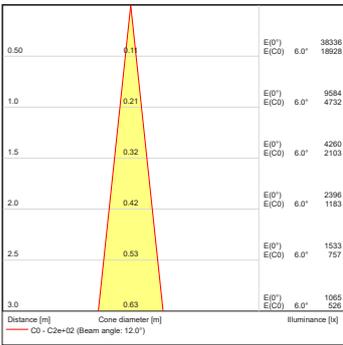
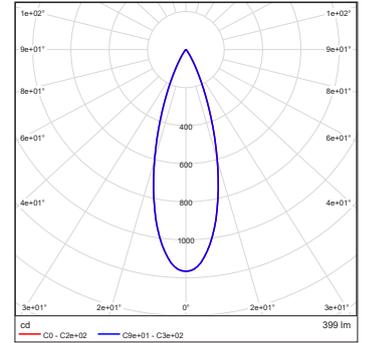
Calumma XS SC PW 3000K 15dg



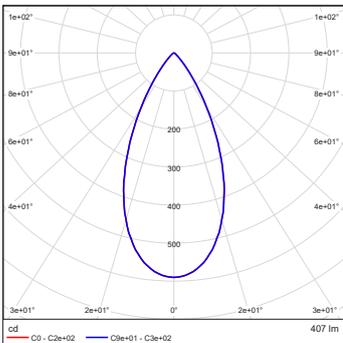
Calumma XS SC PW 3000K 25dg



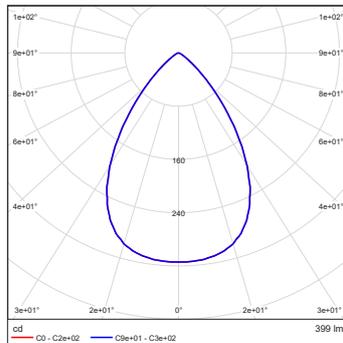
Calumma XS SC PW 3000K 30dg



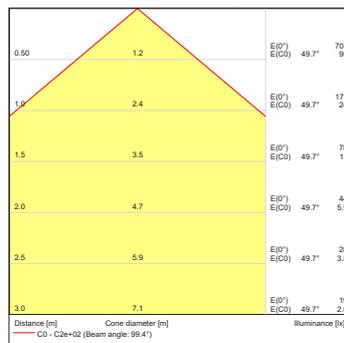
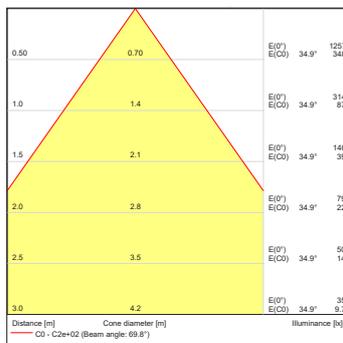
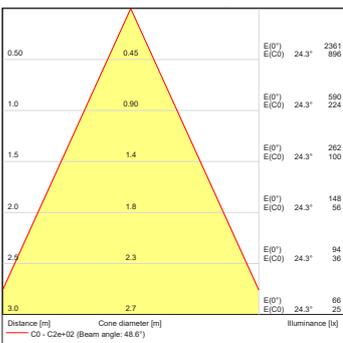
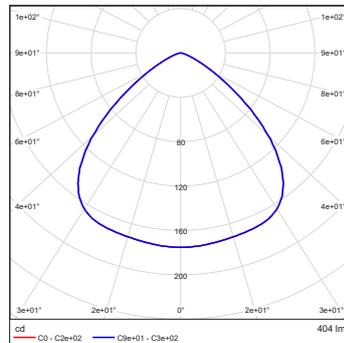
Calumma XS SC PW 3000K 45dg



Calumma XS SC PW 3000K 65dg

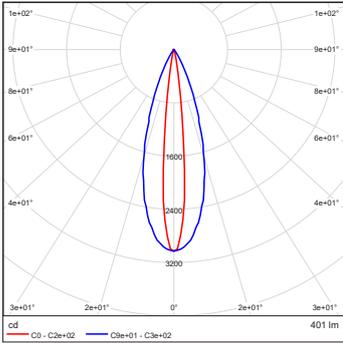


Calumma XS SC PW 3000K 100dg

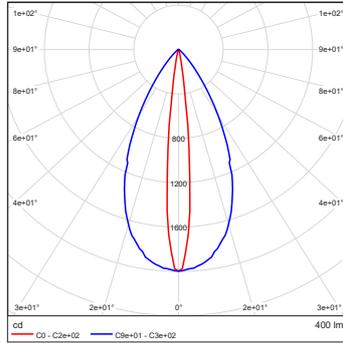


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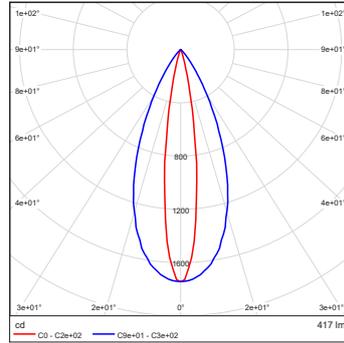
Calumma XS SC PW 3000K 10x30dg



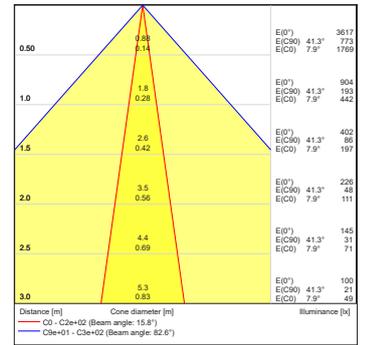
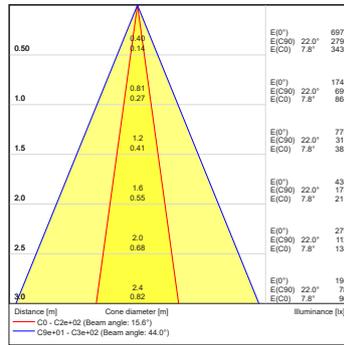
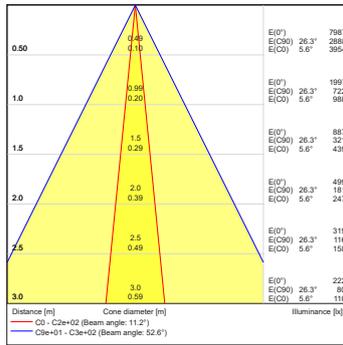
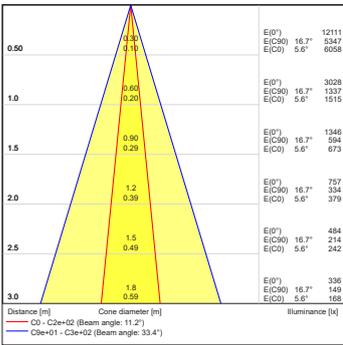
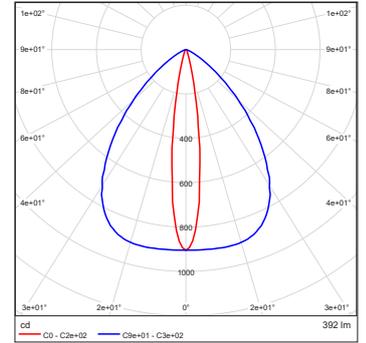
Calumma XS SC PW 3000K 10x60dg



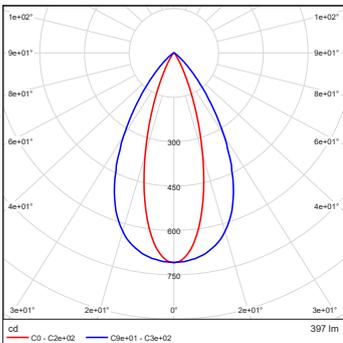
Calumma XS SC PW 3000K 15x45dg



Calumma XS SC PW 3000K 15x90dg



Calumma XS SC PW 3000K 30x60dg



Calumma XS SC PW 3000K 30x90dg

