

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

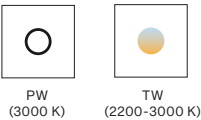
Lumen output & Light source
Luminaire with four high-power, single-chip LEDs provides up to 457 lumen output (@10°, PW 3000 K). No light spills.

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.

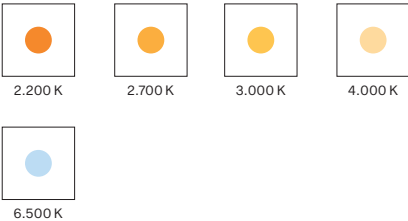
Flexibility
An exceptionally compact luminaire available with a wide range of accessories, custom colour finishes, and beam angle options, Calumma XS offers the lighting designer a flexible solution for the most demanding applications.

COLOURS

STANDARD

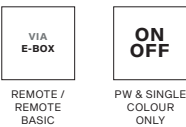


UPON REQUEST



AVAILABLE COLOURS
FOR CUSTOM SETUP

CONTROL & PROTOCOLS

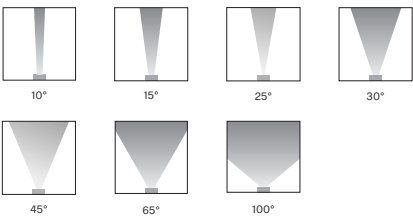


STANDARD & SPECIFICATION

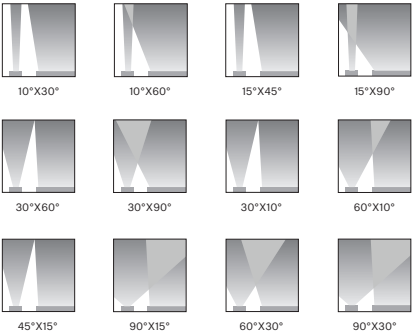


OPTIC OPTIONS

SYMMETRICAL

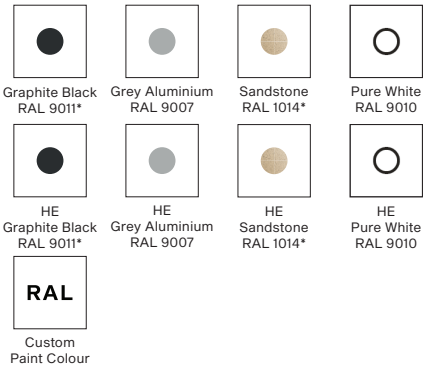


BI-SYMMETRICAL



FINISH OPTIONS

* CLOSEST RAL TONE
* HE = Harsh Environment



SPECIFICATION

ELECTRICAL	Input Voltage	48 V	
	Typical Power Consumption	10 W +/- 10 %	
OPTICAL	Light Source	High Power Single Chip LEDs	
	Colour Variants	Pure White (W - 3000 K) Tuneable White (2200–3000 K)	
		Custom Setup On Request: 2200 K, 2700 K, 3000 K, 4000 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)	
CONTROL	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
	Interface protocol	Via E-box Remote or E-box Remote Basic or E-box Remote Basic Mini ON/OFF (PW & single colour only)	
	E-Box Remote control protocol	USITT DMX512/RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net	
	Setting / adresssing	E-box Remote, RDM communicator	
	Connectivity & Power Supply	E-Box Remote Remote Basic Remote Basic Mini	
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
	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)	

ACCESSORIES	DMX/RDM SETUP WITH CONNECTORS	Not Included Items	Cable CE (5x20 AWG), 0.1 m, with connector MINI-05 FF (13053978)
			Cable CE (5x20 AWG), 0.5 m, with connector MINI-05 MM (13053935-03)
			T-connector MINI-05 MFF (13053941-01)
			T-connector MID-05 MFF (13054130)
			Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)
			Adaptor MINI2MID (13054150)
			Adaptor MID2MINI (13054149)
			Waterproof Cap for connector MINI-05 FF (13053943)
			Cable SJTW (5x14 AWG), standard with bare-end, black (13053336)
			Cable SJTW (5x14 AWG), standard with bare-end, white (on request) - (13053697)
	DMX/RDM SETUP WITH BARE-END FIXTURES		Jumper Cable CE/US MID-05 MM/FF (14 AWG) - 0.5/1/3/5/10 m
			Jumper Cable MINI-05 FF/MM (20 AWG), 0.5 m (13053937-02) - 0.5/1/3/5/10 m
			Cable SJTW (5x14 AWG), standard with bare-end, black (13053336)
			Cable SJTW (5x14 AWG), standard with bare-end, white (on request) - (13053697)
			Cable UL 20969 (5x20 AWG), 1 m, (13053481), black
			Cable UL 20969 (5x20 AWG), 1 m, (13053696), white (on request)
			Junction Box Remote (1x Output) - (10980715)
			Junction Box Remote (4x Output) - (10980716)

CONTROL AND CONNECTION OPTIONS (CE)

DMX/RDM SETUP WITH CONNECTORS

MINI Connector Wiring Diagram

- 1)

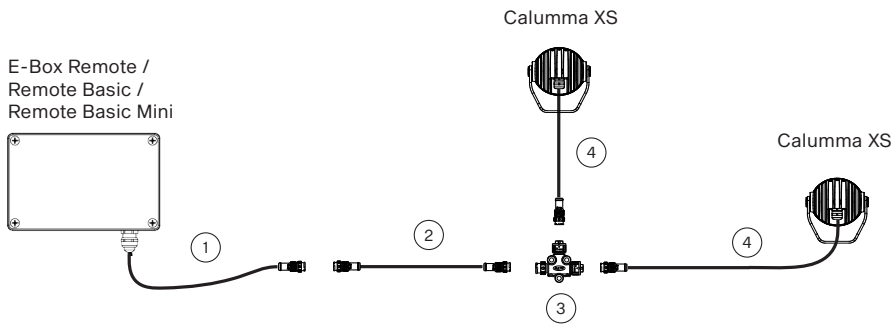
Cable CE (5x20 AWG), 0.1 m, with connector MINI-05 FF (13053978)
- 2)

Jumper Cable MINI-05 FF/MM (20 AWG), 0.5 m (13053937-02)
- 3)

T-connector MINI-05 MFF (13053941-01)
- 4)

Cable CE (5x20 AWG), 0.5 m, with connector MINI-05 MM (13053935-03)

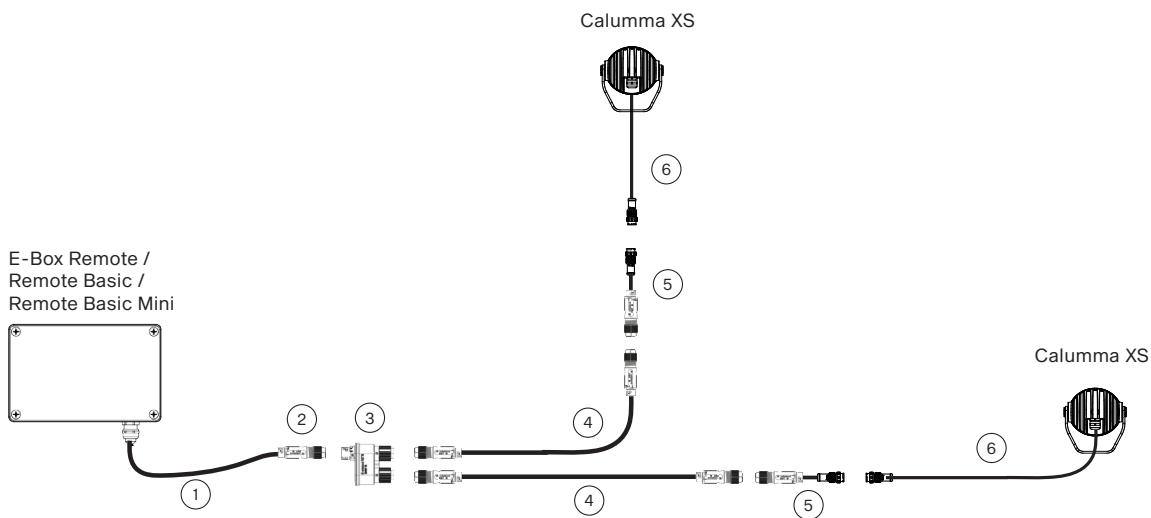
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



MID/MINI Connector Wiring Diagram

- 1) Cable SJTW (5x14 AWG), standard with bare-end, black (13053336)
- 2) Field Installable Connector MID-05 FF (14–22 AWG) - (13054127)
- 3) T-connector MID-05 MFF (13054130)
- 4) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 5) Adaptor MID2MINI (13054149)
- 6) Cable CE (5x20 AWG), 0.5 m, with connector MINI-05 MM (13053935-03)

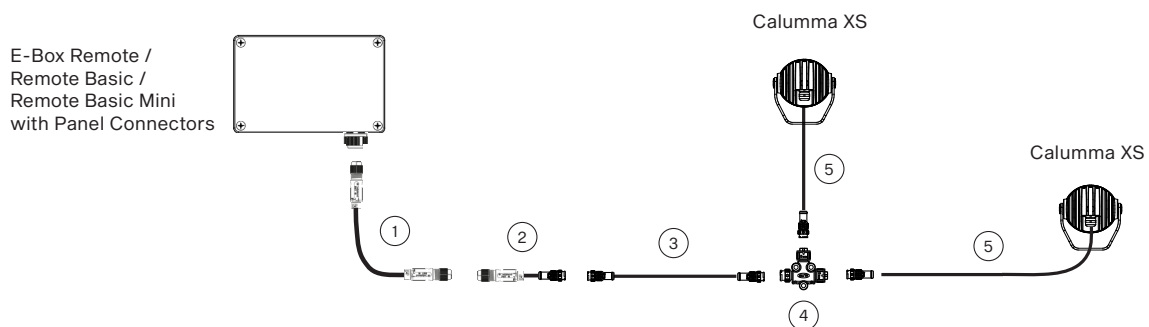
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



MID/MINI Connector Wiring Diagram with Panel Connector

- 1) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 2) Adaptor MID2MINI (13054149)
- 3) Jumper Cable MINI-05 FF/MM (20 AWG), 0.5 m (13053937-02)
- 4) T-connector MINI-05 MFF (13053941-01)
- 5) Cable CE (5x20 AWG), 0.5 m, with connector MINI-05 MM (13053935-03)

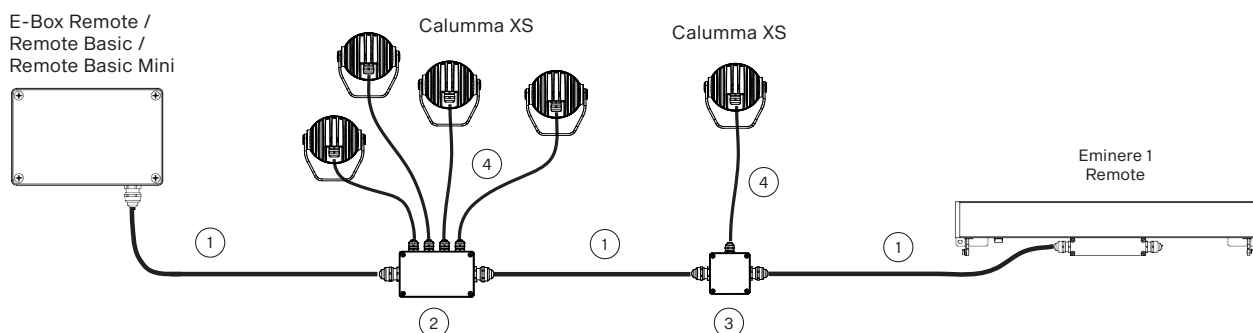
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DMX/RDM SETUP WITH BARE-END FIXTURES

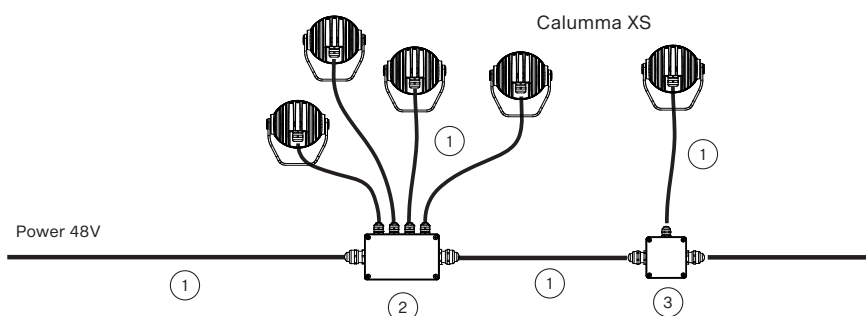
- 1) Cable SJTW (5x14 AWG), standard with bare-end, black (13053336)
- 2) Junction Box Remote (4x Output) - (10980716)
- 3) Junction Box Remote (1x Output) - (10980715)
- 4) Cable UL 20969 (5x20 AWG), black, (13053481)

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



ON/OFF

- 1) Cable UL 20969 5x20 AWG (13053481), black
- 2) Junction Box Remote (4x Output) - (10980716)
- 3) Junction Box Remote (1x Output) - (10980715)



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

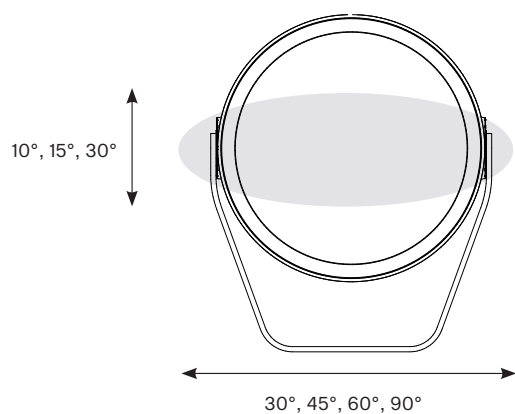
PROJECTED AREA

	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

BI-SYMMETRICAL BEAM ANGLES

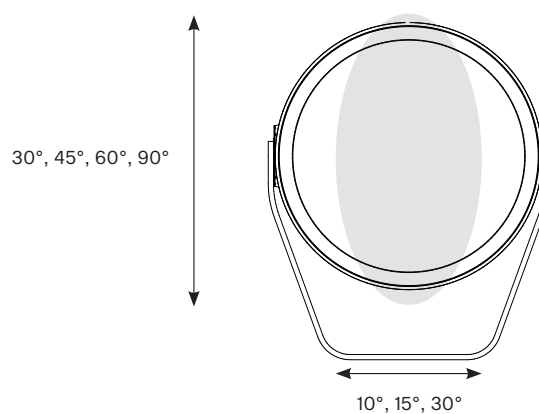
Bi-symmetrical:

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

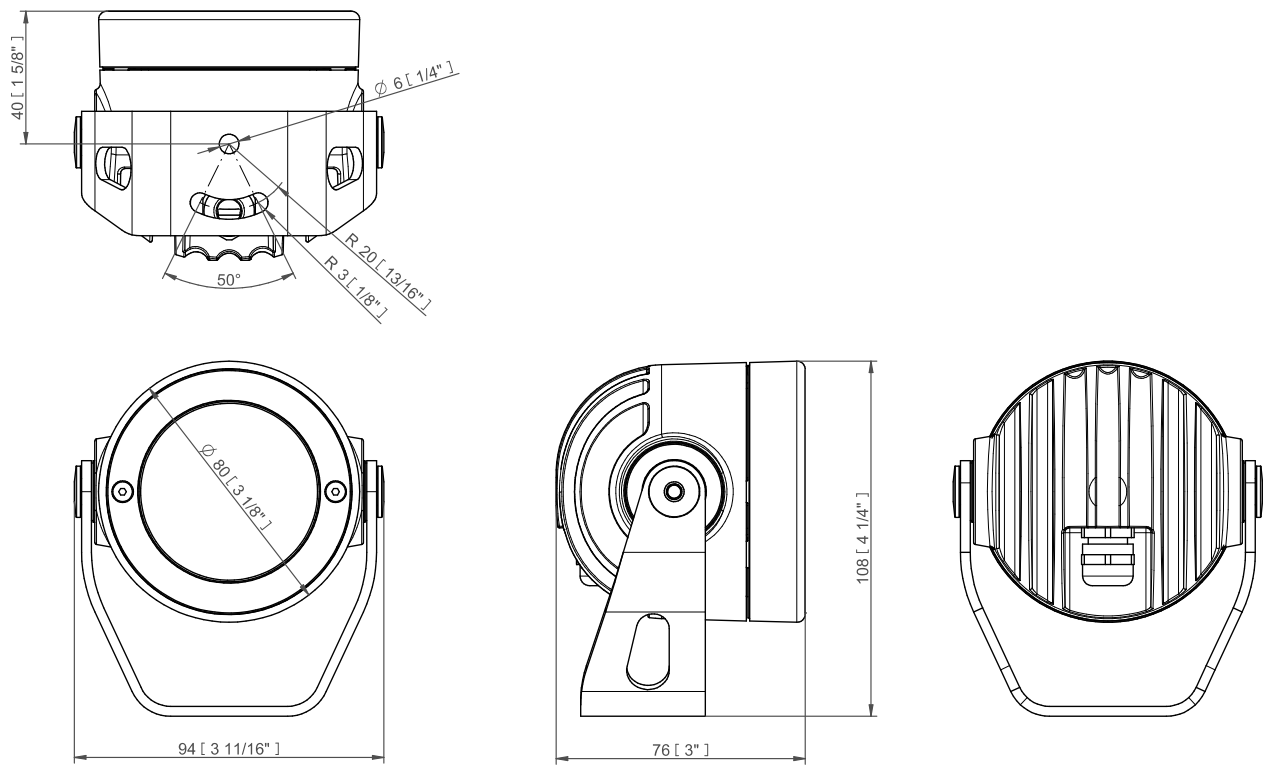


Bi-symmetrical:

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

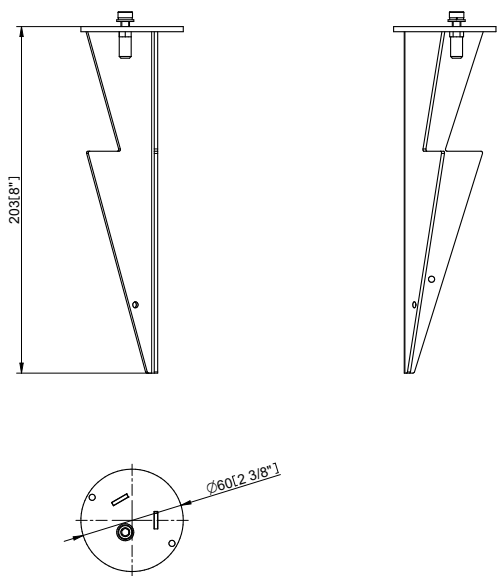


DIMENSIONS

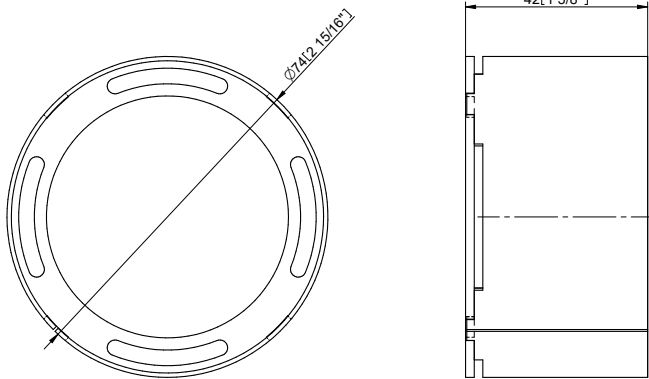


ACCESSORIES

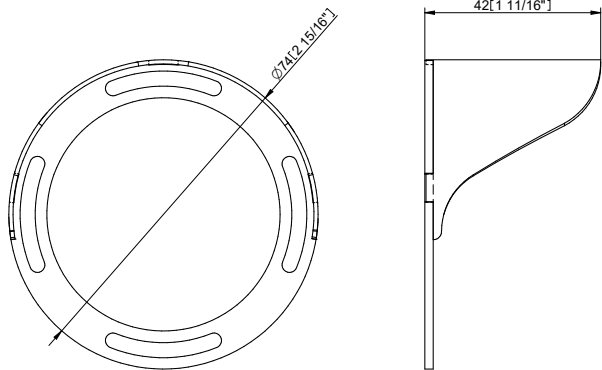
Land Spike for Calumma XS



Top Hat

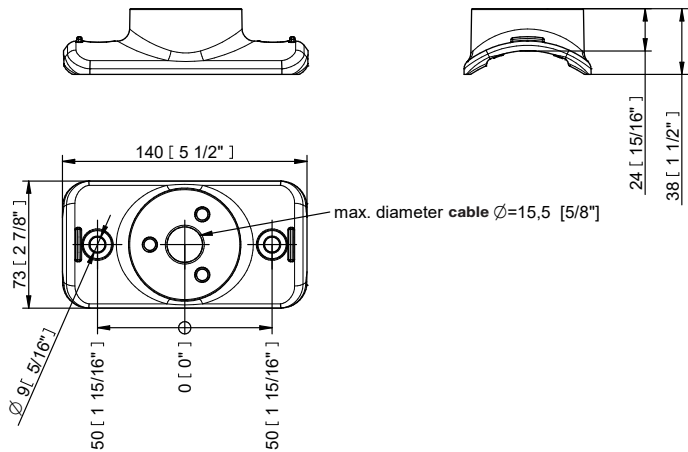


Half Top Hat



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

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

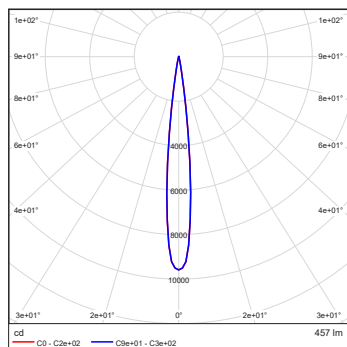


PHOTOMETRIC OVERVIEW

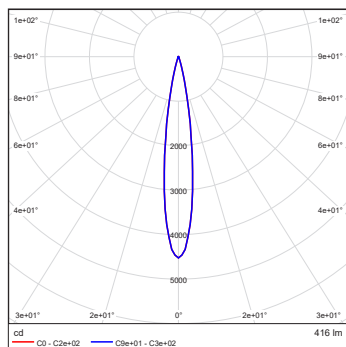
WW (W 3000 K)	
10°	457
15°	416
25°	406
30°	399
45°	407
65°	399
100°	404
10° x 30°, 30° x 10°	401
10° x 60°, 60° x 10°	400
15° x 45°, 45° x 15°	417
30° x 60°, 60° x 30°	397
30° x 90°, 90° x 30°	374
15° x 90°, 90° x 15°	392

Calumma XS SC PW 3000K 10dg

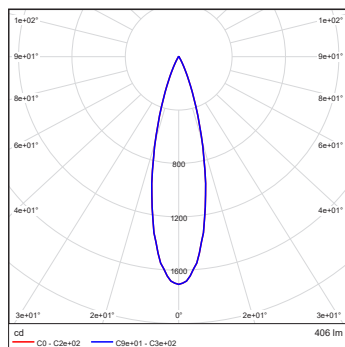
Calumma XS SC PW 3000K 10dg



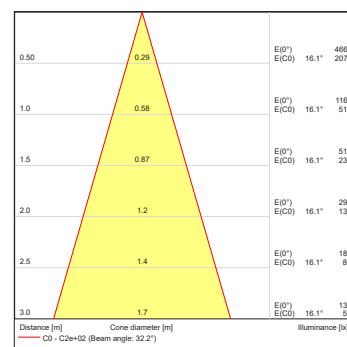
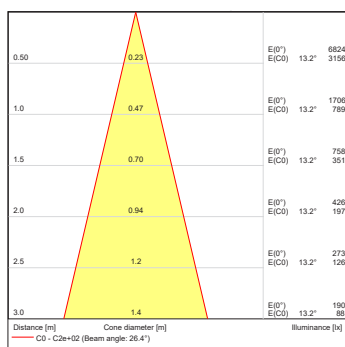
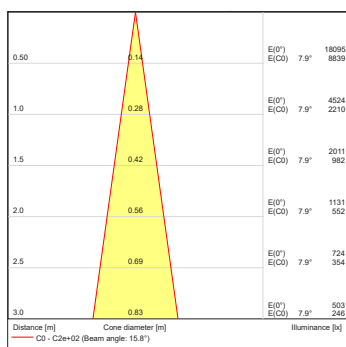
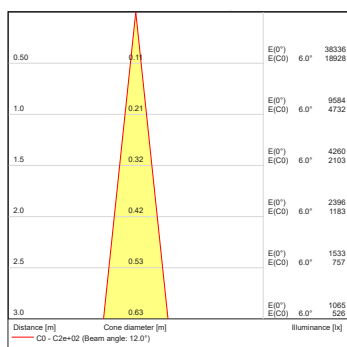
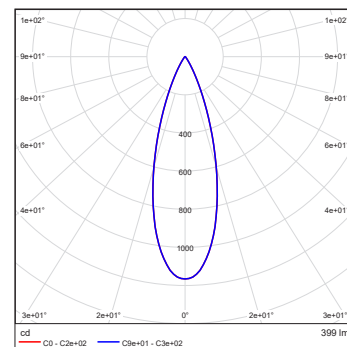
Calumma XS SC PW 3000K 15dg



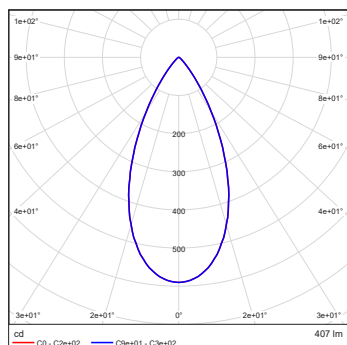
Calumma XS SC PW 3000K 25dg



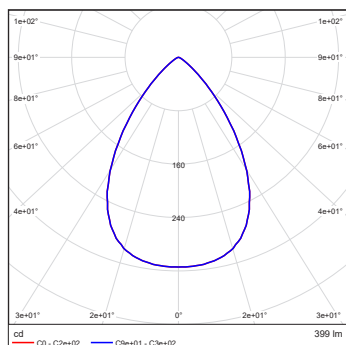
Calumma XS SC PW 3000K 30dg



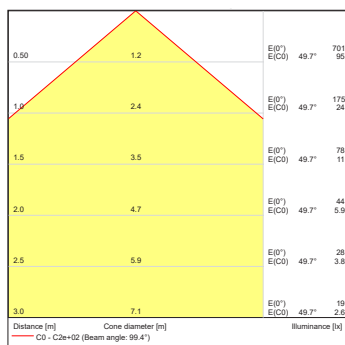
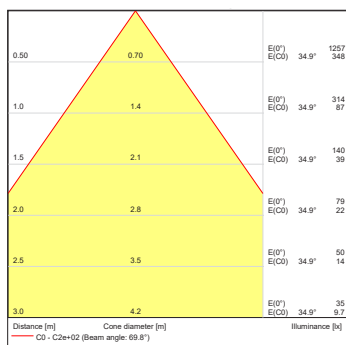
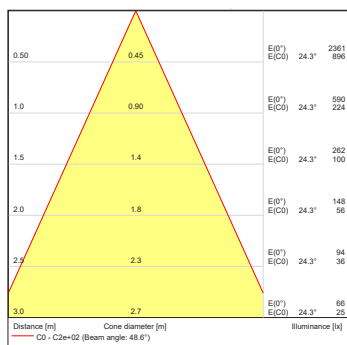
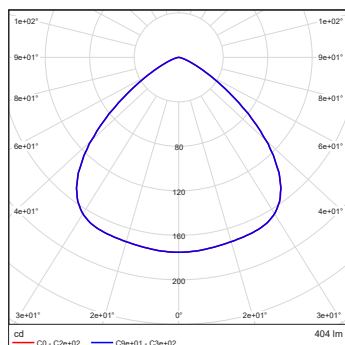
Calumma XS SC PW 3000K 45dg



Calumma XS SC PW 3000K 65dg

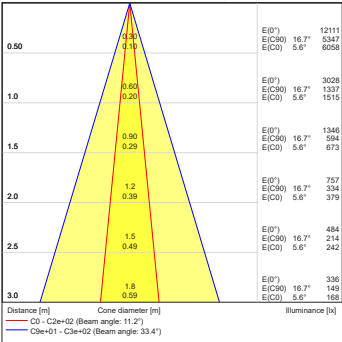
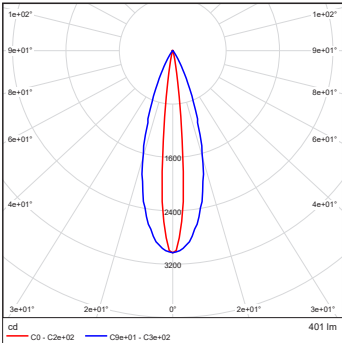


Calumma XS SC PW 3000K 100dg

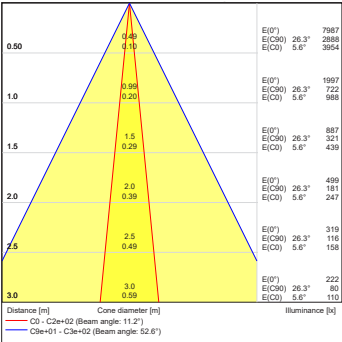
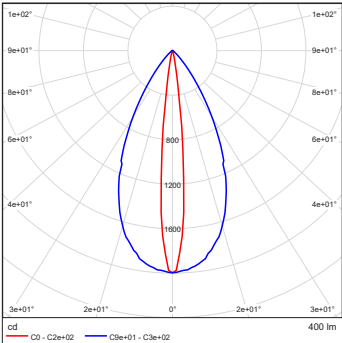


PHOTOMETRIC DATA

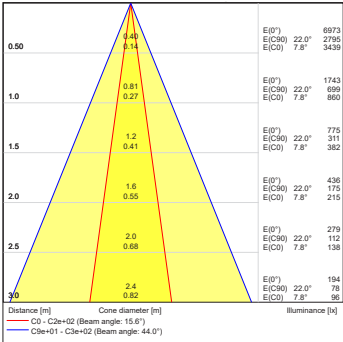
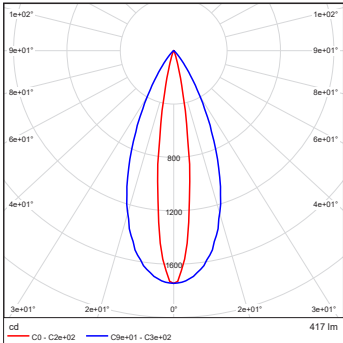
Calumma XS SC PW 3000K 10x30dg



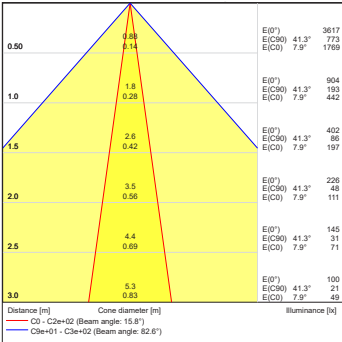
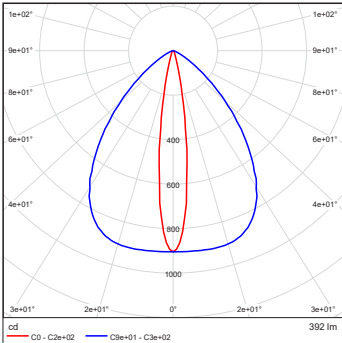
Calumma XS SC PW 3000K 10x60dg



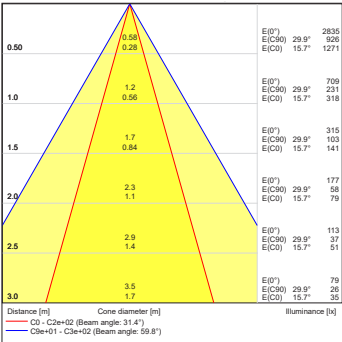
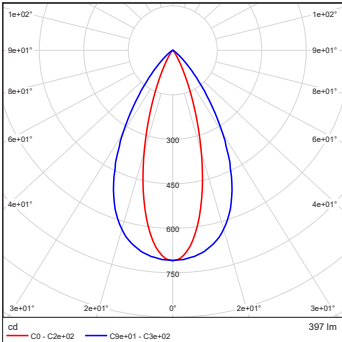
Calumma XS SC PW 3000K 15x45dg



Calumma XS SC PW 3000K 15x90dg



Calumma XS SC PW 3000K 30x60dg



Calumma XS SC PW 3000K 30x90dg

