

# 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.

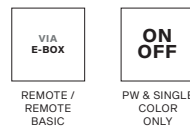
### Flexibility

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.

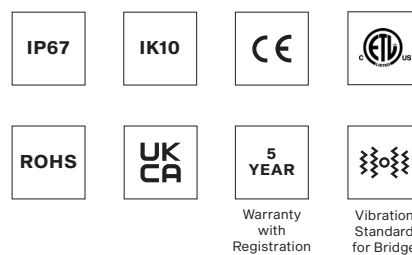
## COLOURS



## CONTROL & PROTOCOLS



## STANDARD & SPECIFICATION

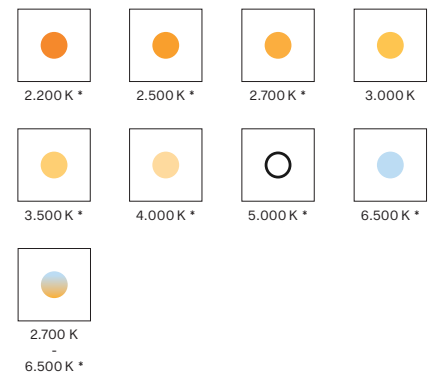


## FINISH OPTIONS



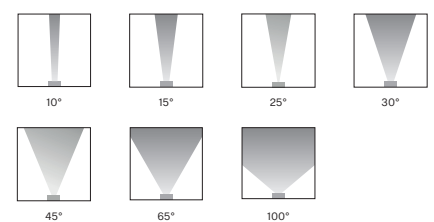
## COLOUR TEMPERATURE

\* UPON REQUEST

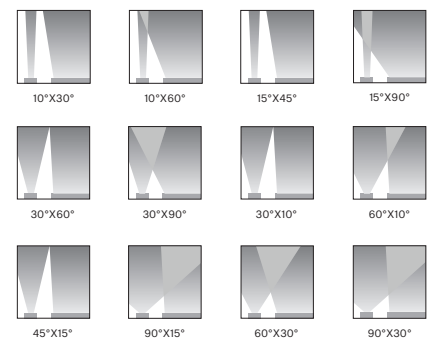


## OPTIC OPTIONS

### SYMMETRICAL



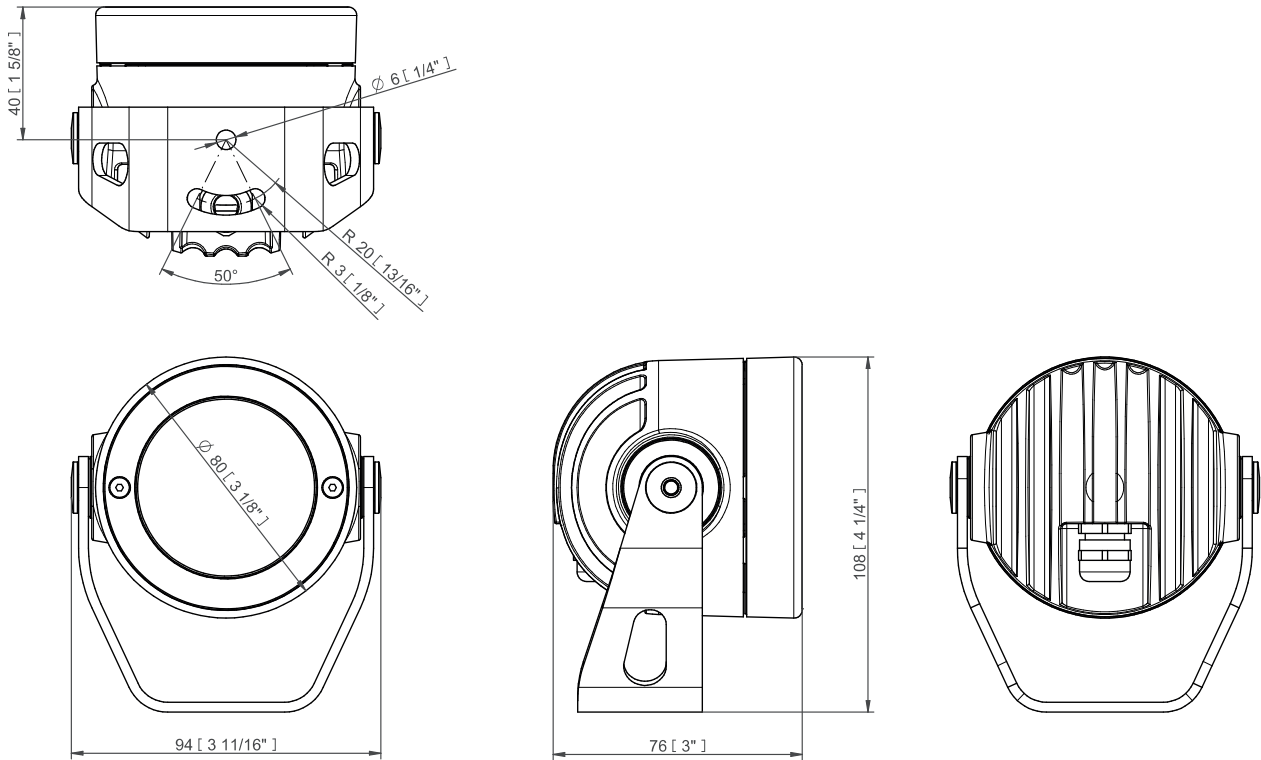
### BI-SYMMETRICAL



**SPECIFICATION**

|   |   |   |   |  |
|---|---|---|---|--|
| <b>ELECTRICAL</b>                                       | Typical Power Consumption                                       | 10 W  |   |  |
|   | Input Voltage   | 48 V  |   |  |
| <b>OPTICAL</b>  | Light Source  | High Power Single Chip LEDs   |   |  |
|   | Colour Variants   | PW (W - 3000 K)   |   |  |
|   |   | Other Variants 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°x 15°<br>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                            |   |   |  |
| <b>CONTROL</b>  | Interface protocol  | Via E-box Remote or E-box Remote Basic   ON/OFF (PW & single color 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   |   |  |
| <b>PHYSICAL</b>   | 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<br>Pure White RAL 9010   Sandstone RAL 1014 |  |
|   |   | Standard Colour<br>Harsh Environment  | Graphite Black RAL 9011   Grey Aluminium RAL 9007<br>Pure White RAL 9010   Sandstone RAL 1014 |  |
|   |   | Cost Option   | Custom RAL  |  |
|   | Cabels / Connectivity   | <b>IN</b>   | - 1 m cable with bare end<br>- Other cable length - custom<br>- Junction box - optional       |  |
|   | 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)                               |   |   |  |
| <b>CERTIFICATION</b>                                    | Listings  | ETL / cETL, CE, RoHS, UKCA  |   |  |
| <b>ACCESSORIES</b>                                      | 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             |   |   |  |
|   | Junction Box Remote (1x Output)                                 |   |   |  |
|   | Junction Box Remote (4x Output)                                 |   |   |  |
|   | 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) |   |   |   |  |

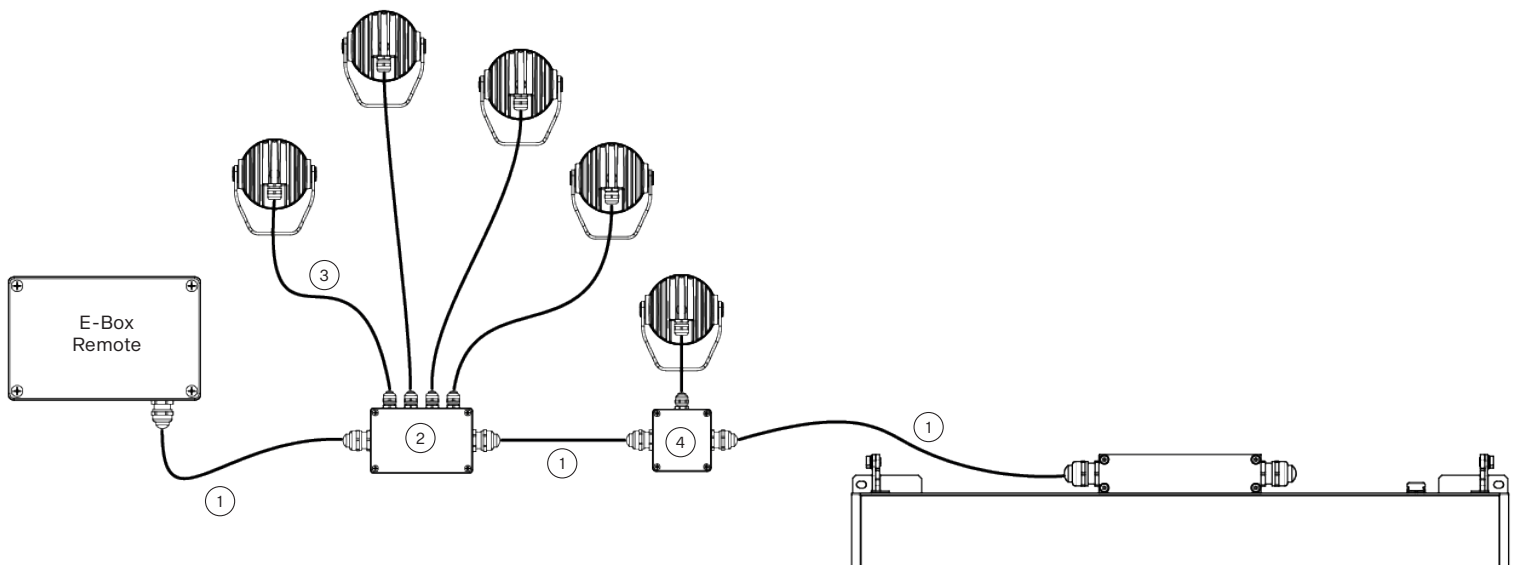
**DIMENSIONS**



**CONTROL AND CONNECTION OPTIONS**

**Example of Connection Via E-Box REMOTE**

- 1) SJTW 5x 14AWG (1305 3336), black or On request Cable SJTW 5x 14AWG (13053697), white
- 2) Junction Box Remote (4x Output)
- 3) UL 20969 5x 20AWG (13053481), black or On request Cable SJTW 5x 20AWG (13053696), white
- 4) Junction Box Remote (1x Output)



**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 XS</b>        | 0,006                         | 0,065                        | 0,007                 | 0,070                  | 0,006                | 0,065                 |
| <b>with Top Hat</b>      | 0,006                         | 0,065                        | 0,014                 | 0,151                  | 0,014                | 0,151                 |
| <b>with Half Top Hat</b> | 0,006                         | 0,065                        | 0,008                 | 0,082                  | 0,014                | 0,151                 |

**CONNECTIVITY**

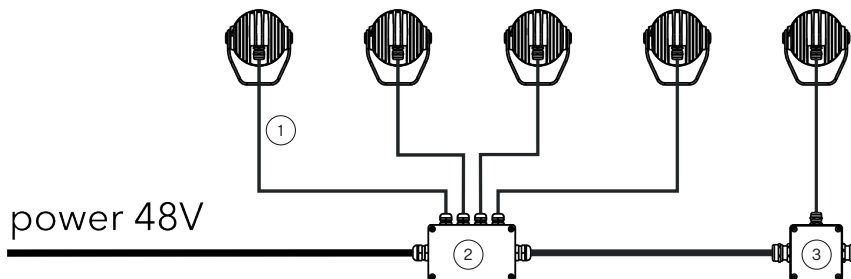
Following table shows maximum connected Calummas XS SC in a row with respect of cable length.

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

**CONTROL AND CONNECTION OPTIONS**

**ON/OFF**

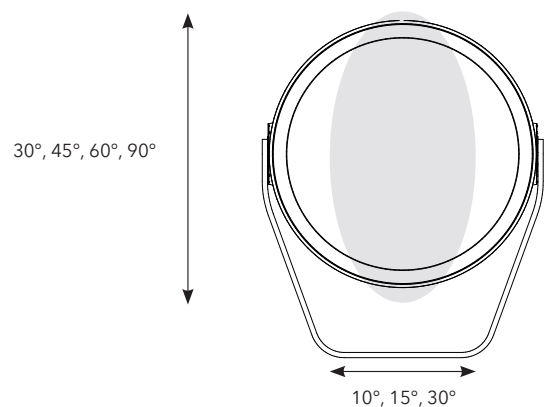
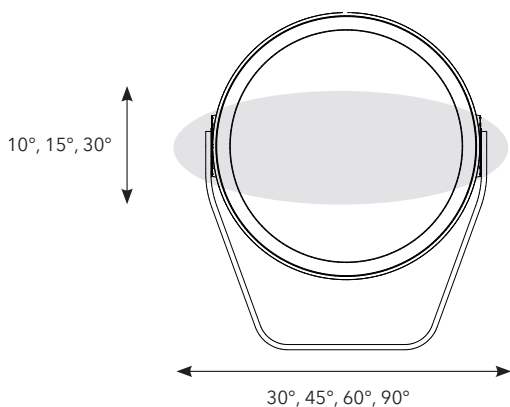
- 1) UL 20969 5x 20AWG (13053481), black or On request Cable SJTW 5x 20AWG (13053696), white
- 2) Junction Box Remote (4x Output)
- 3) Junction Box Remote (1x Output)



**BI-SYMMETRICAL BEAM ANGLES**

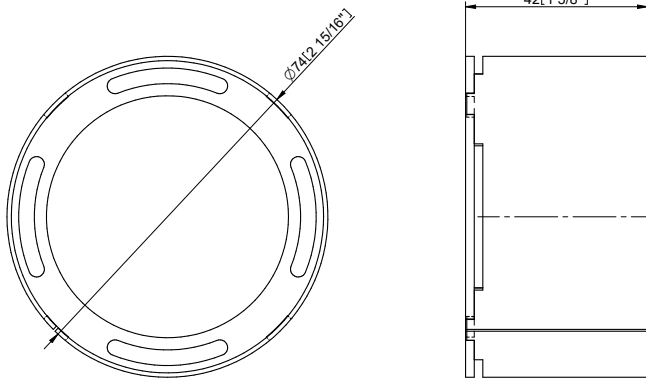
Bi-symmetrical:  
10°x30°,  
10°x60°,  
15°x45°,  
15°x90°,  
30°x60°,  
30°x90°

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

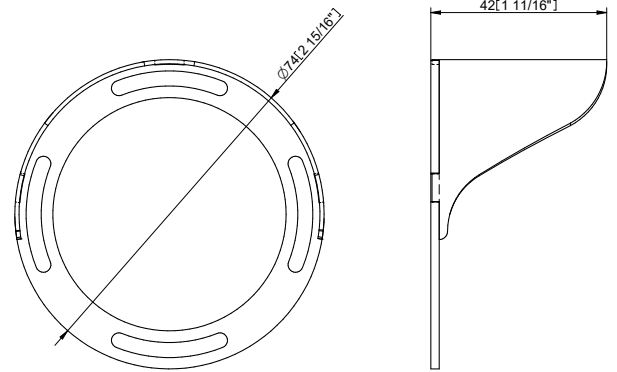


**ACCESSORIES**

Top Hat

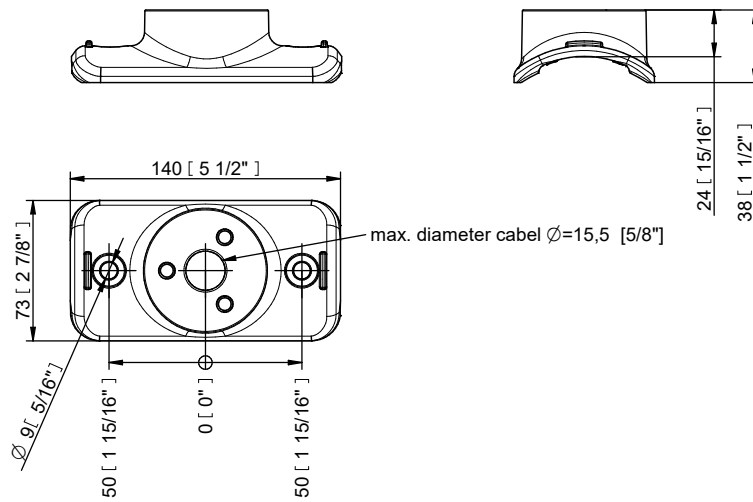


Half Top Hat



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

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

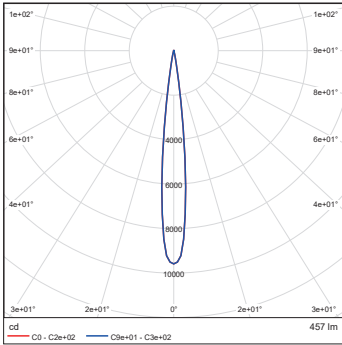


**PHOTOMETRIC OVERVIEW**

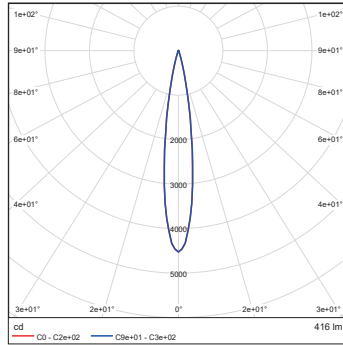
|                      | WW (W 3000 K) |
|----------------------|---------------|
| 10°                  | 457           |
| 15°                  | 416           |
| 25°                  | 406           |
| 30°                  | 399           |
| 45°                  | 407           |
| 65°                  | 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           |

PHOTOMETRIC DATA

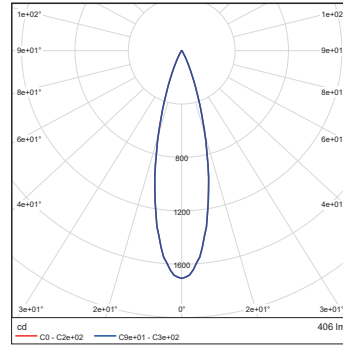
Calumma XS SC PW 3000K 10dg



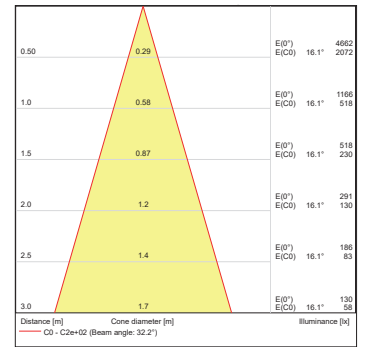
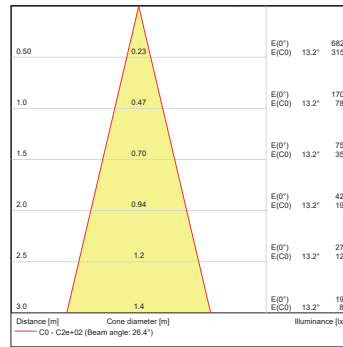
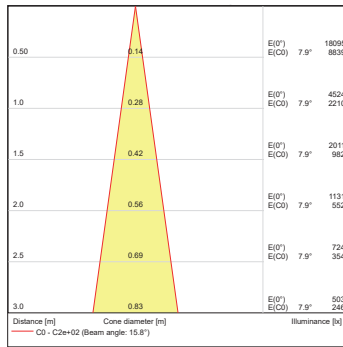
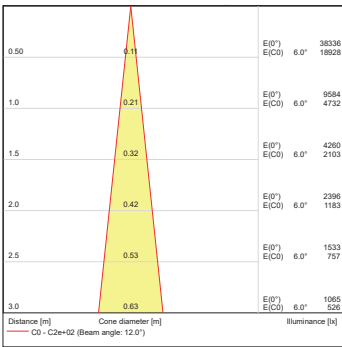
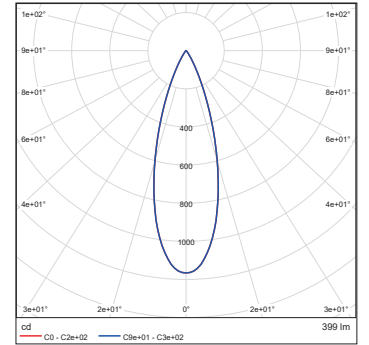
Calumma XS SC PW 3000K 15dg



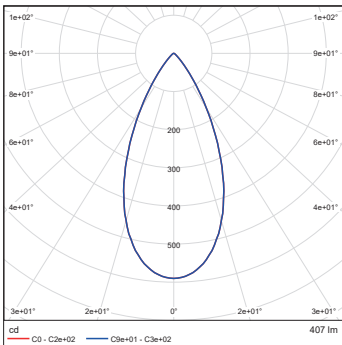
Calumma XS SC PW 3000K 25dg



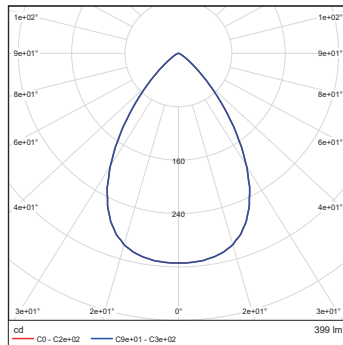
Calumma XS SC PW 3000K 30dg



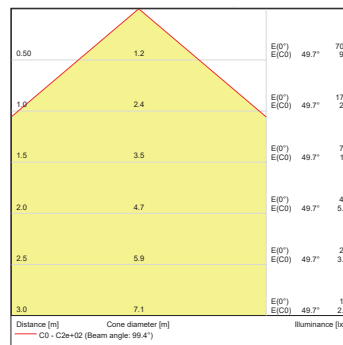
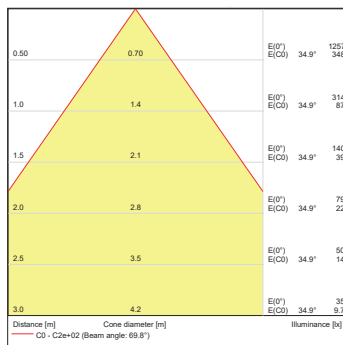
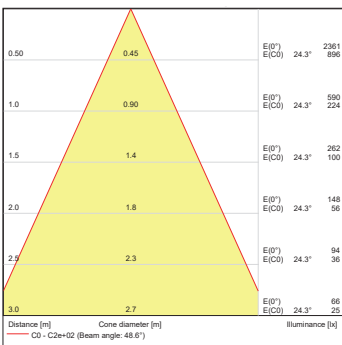
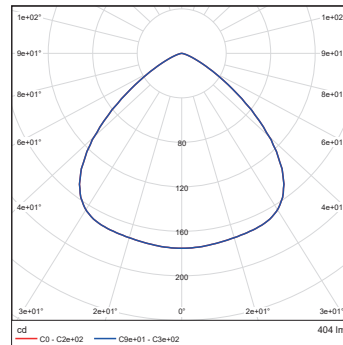
Calumma XS SC PW 3000K 45dg



Calumma XS SC PW 3000K 65dg

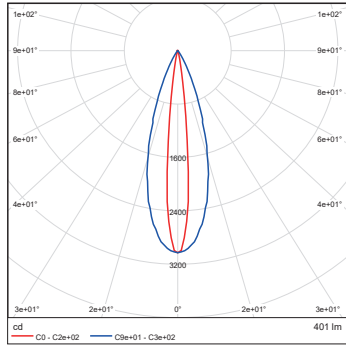


Calumma XS SC PW 3000K 100dg

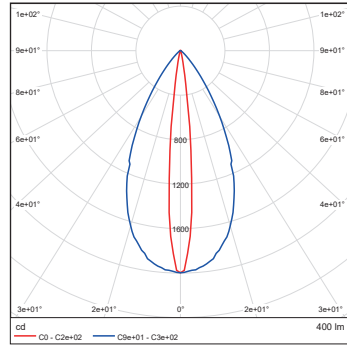


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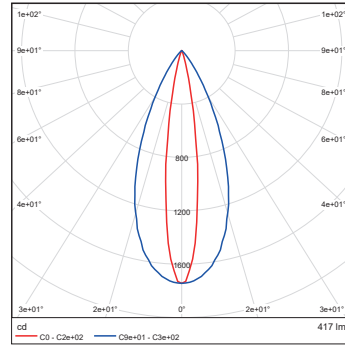
Calumma XS SC PW 3000K 10x30dg



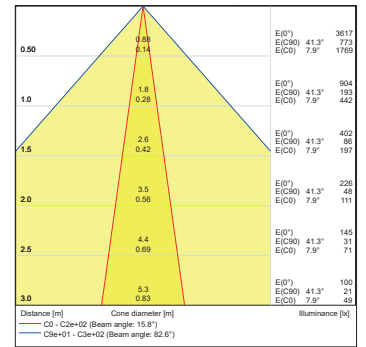
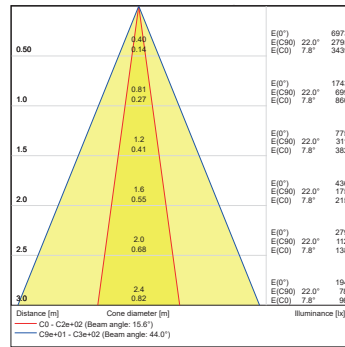
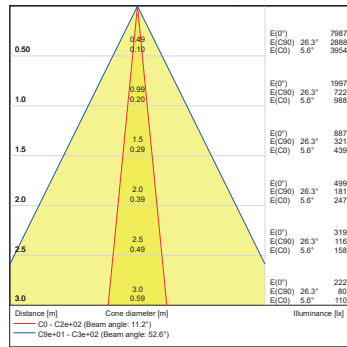
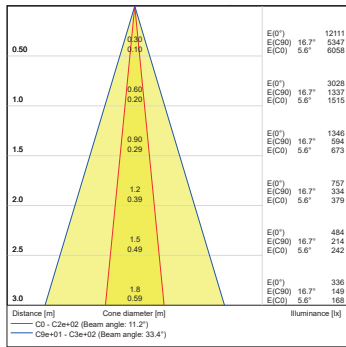
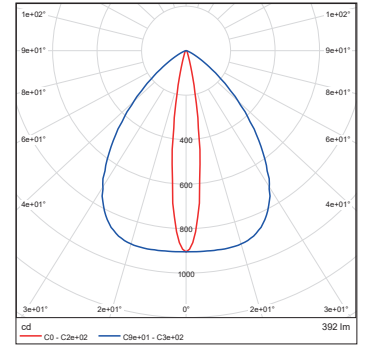
Calumma XS SC PW 3000K 10x60dg



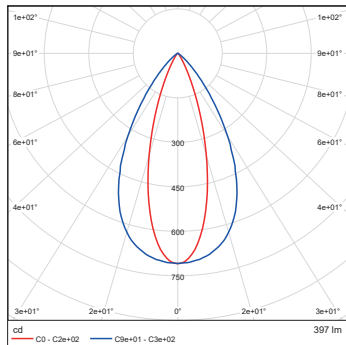
Calumma XS SC PW 3000K 15x45dg



Calumma XS SC PW 3000K 15x90dg



Calumma XS SC PW 3000K 30x60dg



Calumma XS SC PW 3000K 30x90dg

