

CALUMMA™ S SC

Featuring an optical design using nineteen high efficacy singlechip LEDs and available with optional LED colour variants and various beam angles, the small-sized Calumma S SC 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 wide range of accessories, control protocols and connection options, this luminaire is an effective and versatile unit to get the most out of architectural lighting applications.



KEY FEATURES

Lumen output & Light source

Luminaire with nineteen high-power, single-chip LEDs provides up to 1958 lumen output (@10°, RGBW). Multiple LED colour variants. No light spills. Well homogenised light output with great efficacy up to 65 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 SC 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.

CONTROL & PROTOCOLS













| | | | |
|---|---|---|--|
|  DMX RDM OPTIONAL |  VIA E-BOX OPTIONAL |  DALI OPTIONAL |  ON OFF PW & SINGLE COLOR ONLY |
|---|---|---|--|

OPTIC OPTIONS

SYMMETRICAL










| | | | |
|--|--|---|--|
|  10° |  15° |  25° |  30° |
|  45° |  65° |  100° | |

BI-SYMMETRICAL

| | | | |
|--|--|--|--|
|  10°x30° |  10°x60° |  15°x45° |  15°x90° |
|  30°x60° |  30°x90° |  30°x10° |  60°x10° |
|  45°x15° |  90°x15° |  60°x30° |  90°x30° |

COLOUR TEMPERATURE

* UPON REQUEST





| | | | |
|--|--|--|--|
|  2.200 K * |  2.500 K * |  2.700 K * |  3.000 K |
|  3.500 K * |  4.000 K * |  5.000 K * |  6.500 K * |
|  2.700 K - 6.500 K * | | | |

COLOURS









* UPON REQUEST

| | | | |
|---|---|--|--|
|  RGBW |  RGBA |  Pure White |  Tuneable White * |
|---|---|--|--|

FINISH OPTIONS

| | | | |
|--|---|---|---|
|  Graphite Black |  Silver |  RAL Custom Paint Colour |  Harsh Environment |
|--|---|---|---|

STANDARD & SPECIFICATION

| | | | |
|---|---|--|---|
|  IP67 |  IK10 |  CE |  ETL |
|  ROHS |  UK CA |  5 YEAR Warranty with Registration |  Vibration Standard for Bridge |

CALUMMA S SC SPECIFICATION

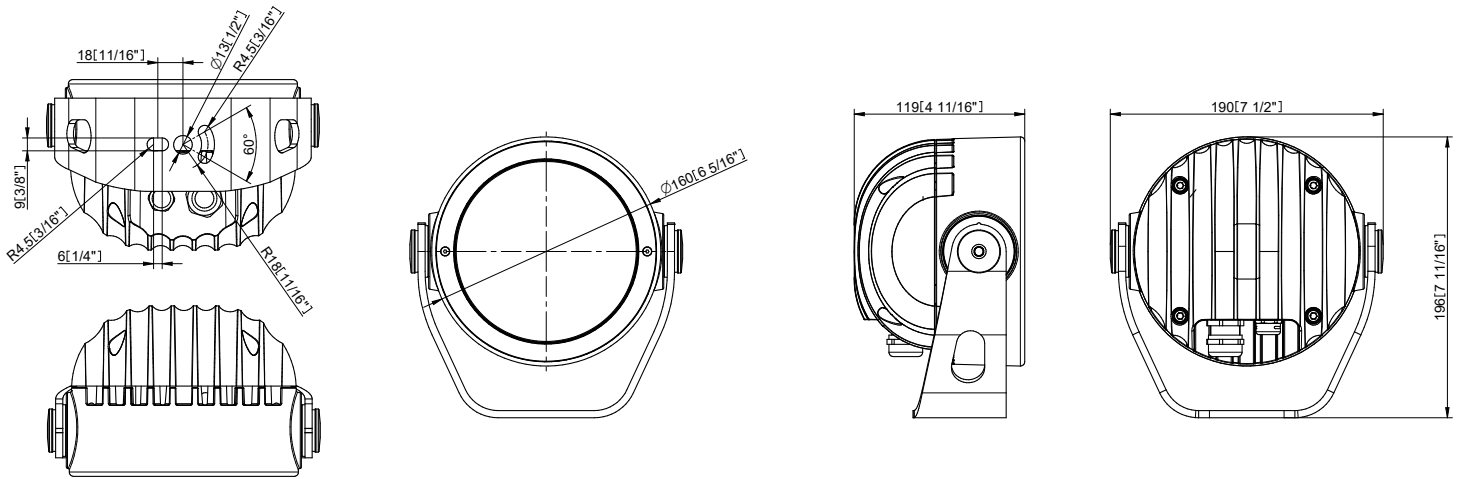
| | | |
|-------------------------------|---|--|
| ELECTRICAL | Input Voltage | 120 - 277 V AC 50/60 Hz (US) |
| | Typical Power Consumption | 30 W +/-10 % |
| OPTICAL | Light Source | High Power Single Chip LEDs |
| | Colour Variants | RGBW (W - 6500 K) RGBA PW (W - 3000 K) |
| | | Other Variants On 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°x15° 15°x90° 90°x15° 30°x60° 60°x30° 30°x90° 90°x30° |
| | Lumen Output Delivered | 1958 lm (@ 10°, RGBW) |
| Projected Lumen Maintenance | L90B10 >90.000 hrs, Ta = 25°C / 77°F | |
| CONTROL | Interface Protocol | DMX/RDM, DALI 2 or ON / OFF (PW & single color only) |
| | 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 |
| PHYSICAL | Width x Height x Depth | 189 x 196 x 119 mm (7.4 x 7.7 x 4.7 in.) |
| | Weight | 3.68 kg 8.11 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 / C5M (RAL 9016, RAL 9011) |
| | Cables / Connections | IN (for DMX, DALI): - 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) | |
| CERTIFICATION | Listings | ETL / cETL, CE, RoHS, UKCA |
| ACCESSORIES | Not Included Items | |
| | | Junction Box for Calumma |
| | | Optical Demo Set for Calumma S |
| | | Top Hat Calumma S |
| | | Half Top Hat Calumma S |
| | | Tenon Adaptor |
| | | Floor Stand for Calumma S, M |
| | Pole Adaptor (ø 102mm) (Yoke for Pole Adaptor Required) | |

PROJECTED AREA

| | Front (rear) - m ² | Front (rear) ft ² | Side - m ² | Side - ft ² | Top - m ² | Top - ft ² |
|--------------------------|-------------------------------|------------------------------|-----------------------|------------------------|----------------------|-----------------------|
| Calumma S | 0,023 | 0,250 | 0,019 | 0,207 | 0,018 | 0,196 |
| with Top Hat | 0,023 | 0,250 | 0,027 | 0,290 | 0,027 | 0,290 |
| with Half Top Hat | 0,023 | 0,250 | 0,022 | 0,232 | 0,027 | 0,290 |

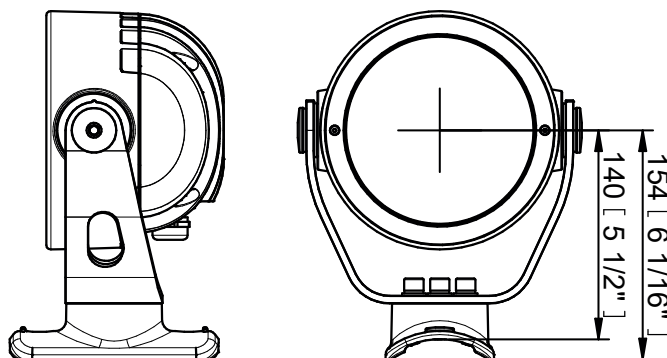
DIMENSIONS

Standard Yoke



Yoke for Pole Adaptor (with Pole Adaptor / PA)

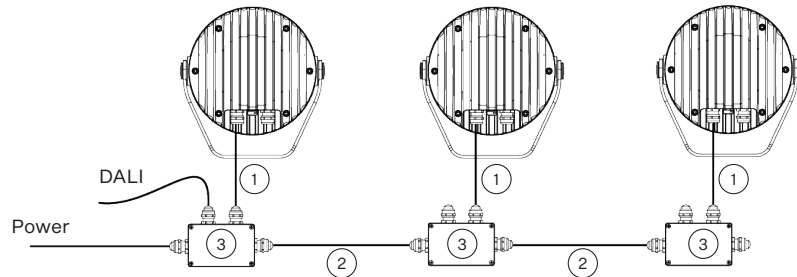
Example of ordering code: Calumma S SC RGBCW 15° PA



CONTROL AND CONNECTION OPTIONS - CE

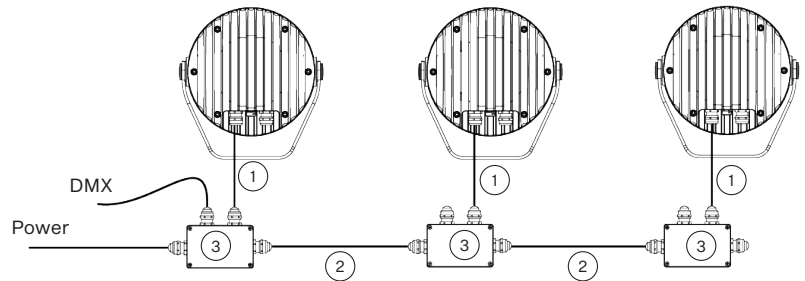
DALI

- 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



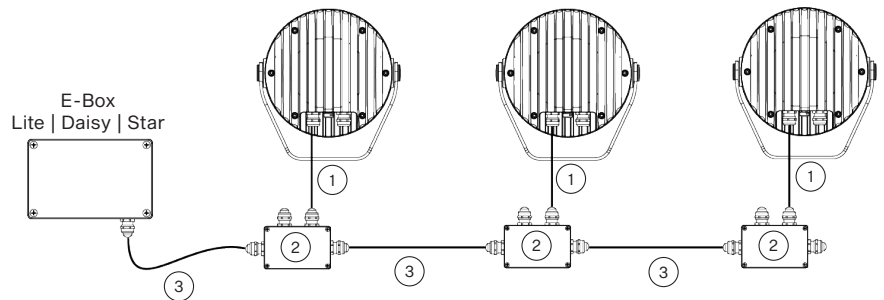
DMX

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

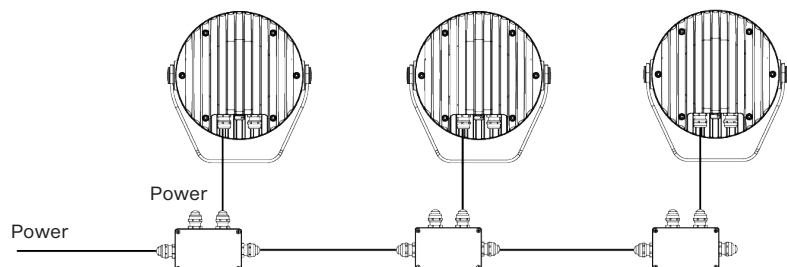


Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.

ON/OFF

- 1) 3-cored cable H07BB-F 3G 1.5
(1305 1443), Standard 1 m with bare-end

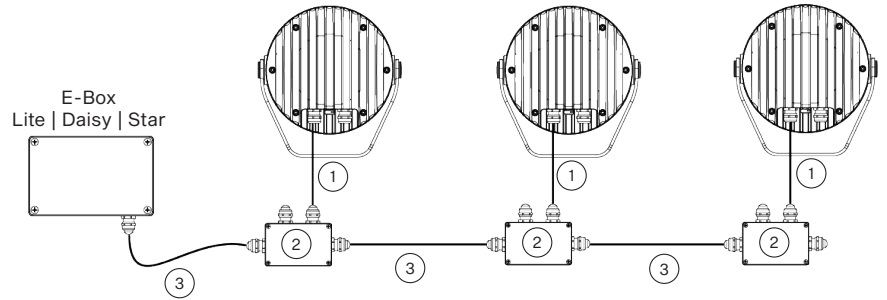
Note: This type of connection is available for Pure White and single color version only. Non dimmable.



CONTROL AND CONNECTION OPTIONS - US

DMX or ETHERNET via E-BOX

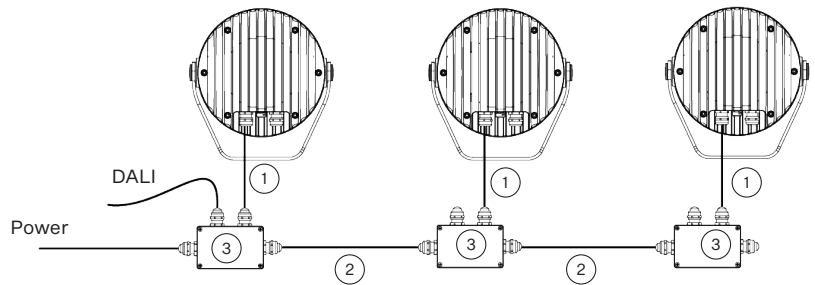
- 1) Flamar 3x AWG 16 + 1x (2x AWG 24) (13051508), Standard 1 m with bare-end, black or Hybrid Cable HYB-5731ZH LSZH (13053694), white
- 2) Junction Box for Calumma
- 3) Flamar 3x AWG 16 + 1x (2x AWG 24), (13051508), black or Hybrid Cable HYB-5731ZH LSZH (13053694) white or Scope of Others



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

DALI

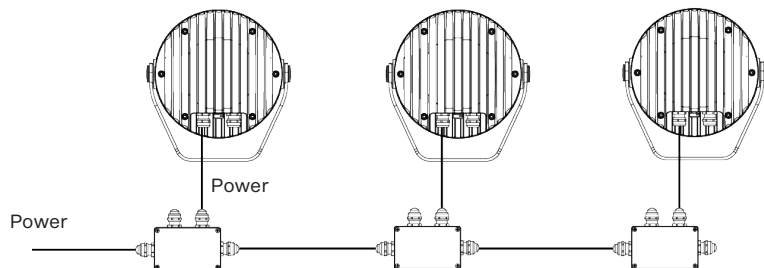
- 1) SJTW 5x 14AWG (13053336), Standard 1 m with bare-end, black or Cable SJTW 5x 14AWG (13053697), white
- 2) SJTW 5x 14AWG (13053336), black or Cable SJTW 5x 14AWG (13053697), white or Scope of Others
- 3) Junction Box for Calumma



ON/OFF

- 1) 3-cored cable SEOW power 3x16 AWG (13051558-01), Standard 1 m with bare-end

Note: This type of connection is available for Pure White and single colour version only. Non dimmable.



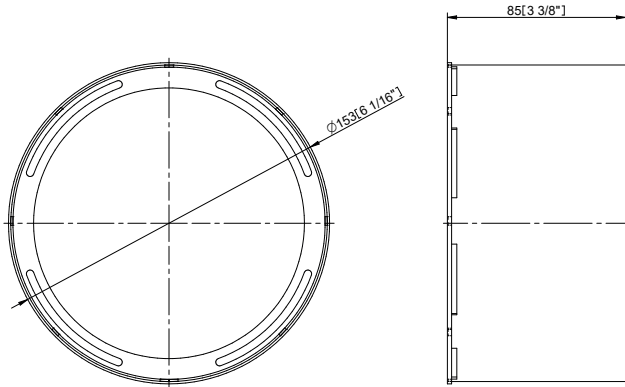
CONNECTIVITY

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

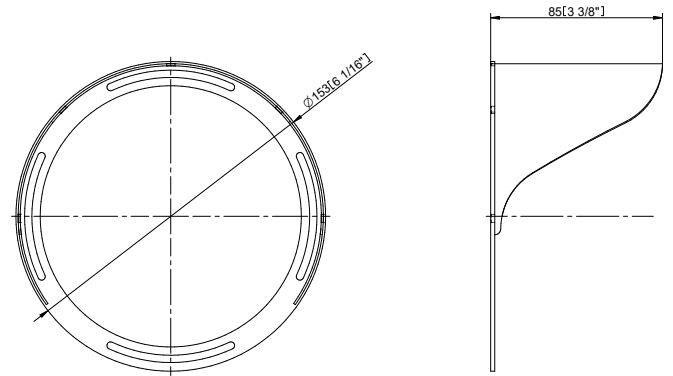
| | Cable length (m) | Voltage (V) | | | |
|---------------------|------------------|-------------|-----|-----|-----|
| | | 120 | 190 | 230 | 277 |
| CALUMMA S SC | 10 | 32 | 32 | 32 | 32 |
| | 20 | 32 | 32 | 32 | 32 |
| | 30 | 32 | 32 | 32 | 32 |
| | 50 | 26 | 32 | 32 | 32 |
| | 70 | 18 | 32 | 32 | 32 |
| | 100 | 13 | 32 | 32 | 32 |

ACCESSORIES

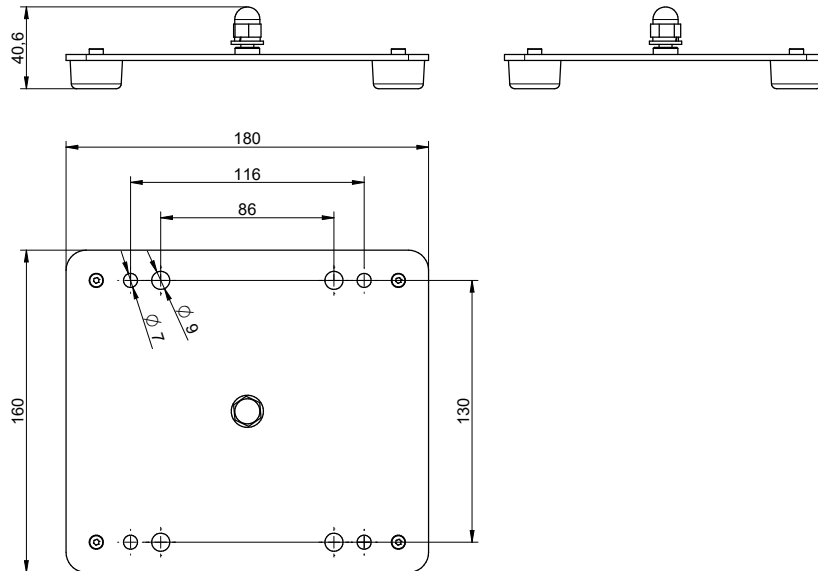
Top Hat



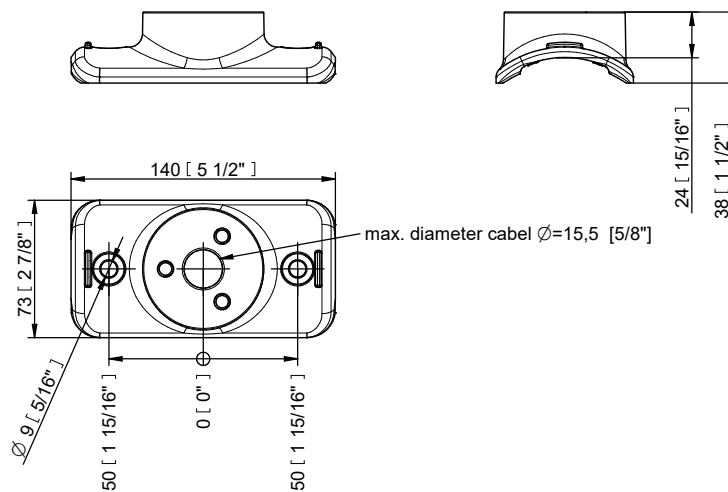
Half Top Hat



Floor Stand



Pole Adaptor



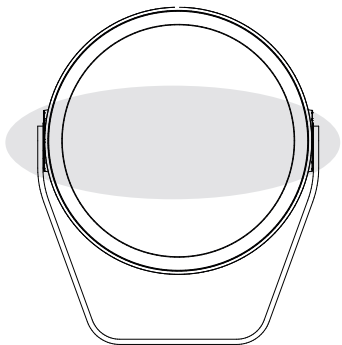
PHOTOMETRIC OVERVIEW

| | Lumen Output (lm) | | |
|----------------------|-------------------|------|---------------|
| | RGBCW (W 6500 K) | RGBA | WW (W 3000 K) |
| 10° | 1958 | 1373 | 2424 |
| 15° | 1784 | 1251 | 2208 |
| 25° | 1744 | 1223 | 2159 |
| 30° | 1712 | 1200 | 2119 |
| 45° | 1748 | 1226 | 2164 |
| 65° | 1713 | 1201 | 2120 |
| 100° | 1735 | 1217 | 2148 |
| 10° x 30°, 30° x 10° | 1723 | 1208 | 2133 |
| 10° x 60°, 60° x 10° | 1714 | 1202 | 2122 |
| 15° x 45°, 45° x 15° | 1789 | 1254 | 2215 |
| 30° x 60°, 60° x 30° | 1704 | 1195 | 2109 |
| 30° x 90°, 90° x 30° | 1606 | 1126 | 1988 |
| 15° x 90°, 90° x 15° | 1687 | 1183 | 2088 |

BI-SYMMETRICAL BEAM ANGLES

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

10°, 15°, 30°

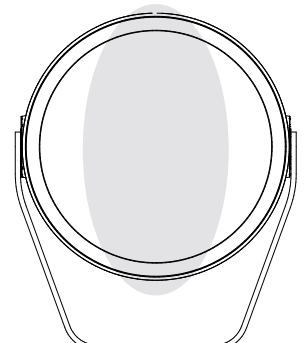


30°, 45°, 60°, 90°



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

30°, 45°, 60°, 90°

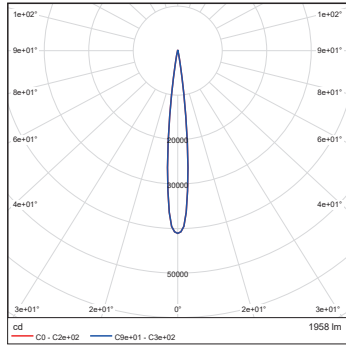


10°, 15°, 30°

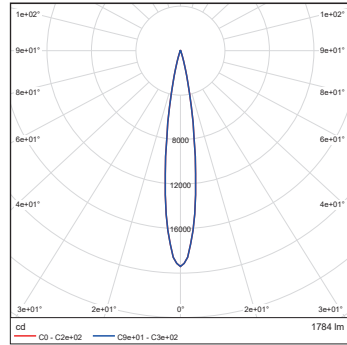


PHOTOMETRIC DATA

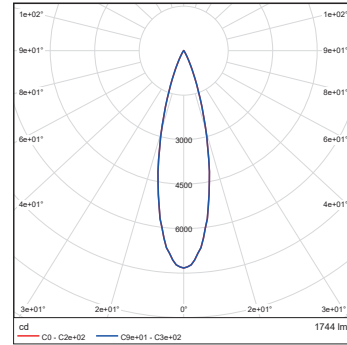
Calumma S SC RGBW 6500K 10dg



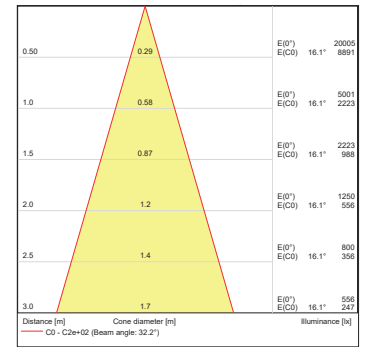
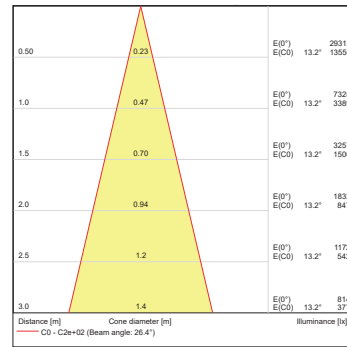
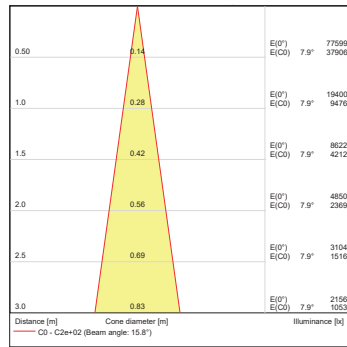
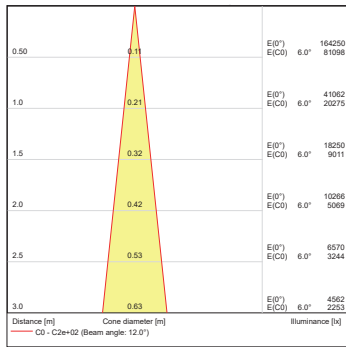
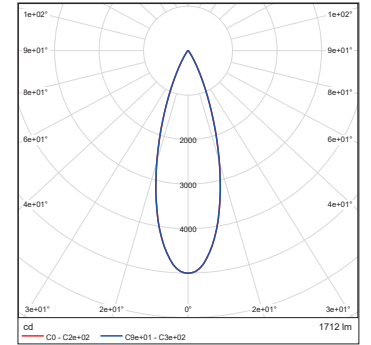
Calumma S SC RGBW 6500K 15dg



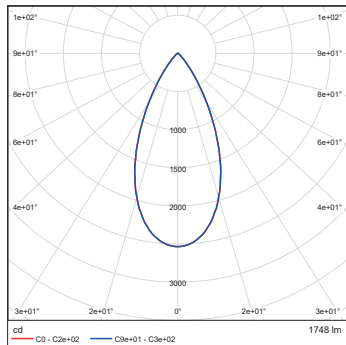
Calumma S SC RGBW 6500K 25dg



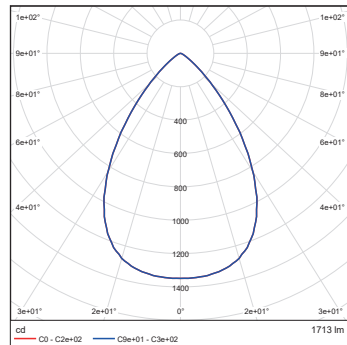
Calumma S SC RGBW 6500K 30dg



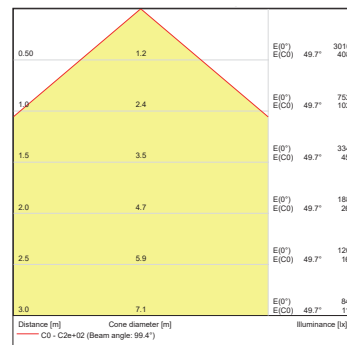
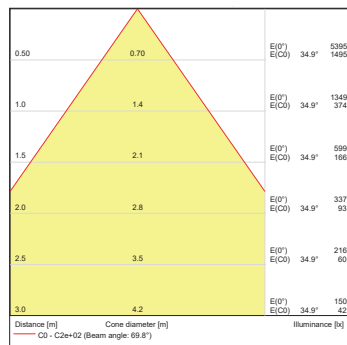
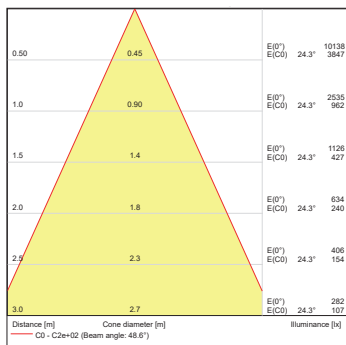
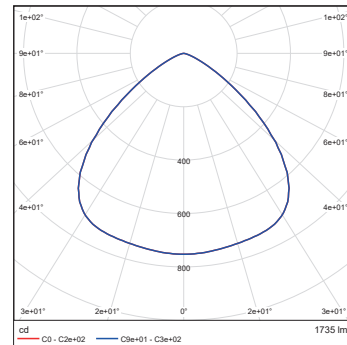
Calumma S SC RGBW 6500K 45dg



Calumma S SC RGBW 6500K 65dg

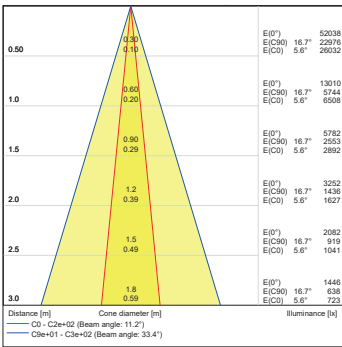
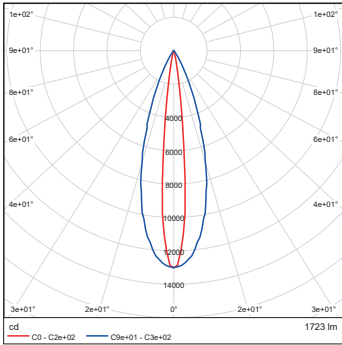


Calumma S SC RGBW 6500K 100dg

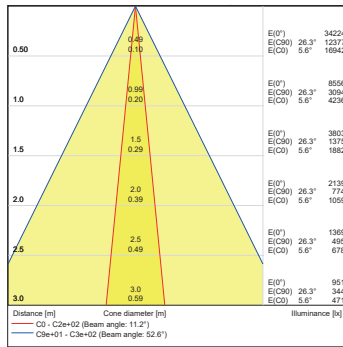
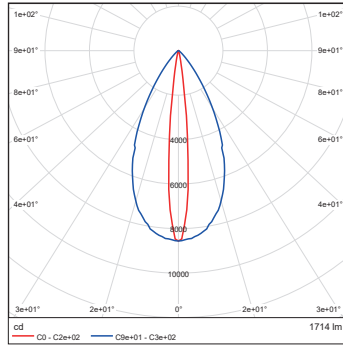


PHOTOMETRIC DATA

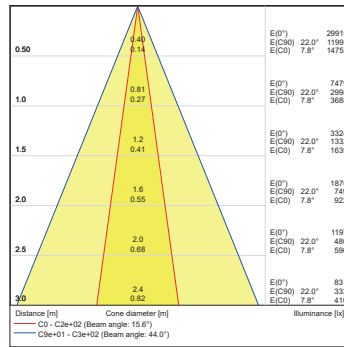
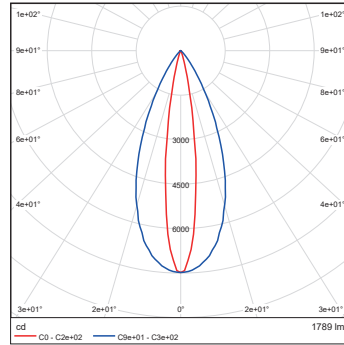
Calumma S SC RGBW 6500K
10x30dg



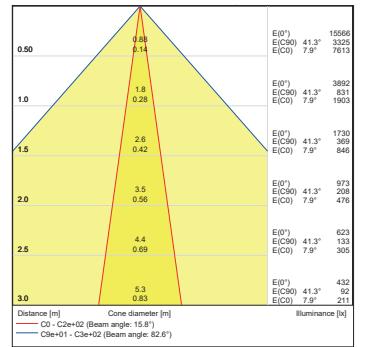
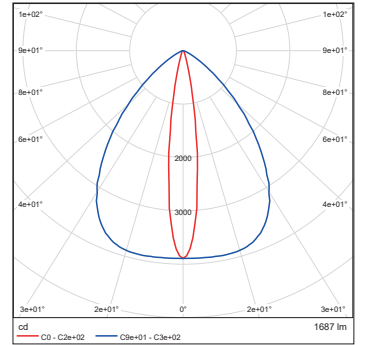
Calumma S SC RGBW 6500K
10x60dg



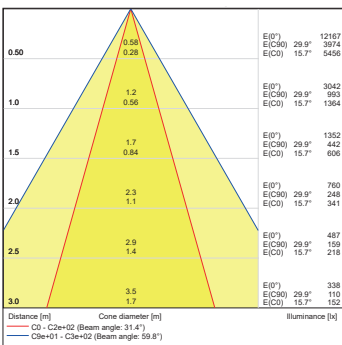
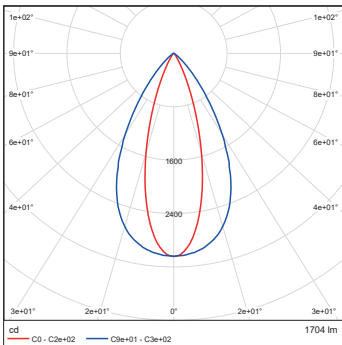
Calumma S SC RGBW 6500K 15x45dg



Calumma S SC RGBW 6500K 15x90dg



Calumma S SC RGBW 6500K
30x60dg



Calumma S SC RGBW 6500K
30x90dg

