

CALUMMA™ REMOTE M MC

Featuring an optical design using high efficacy multi-chip LEDs and available with optional LED colour variants and various beam angles, the medium-sized Calumma Remote M MC 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 and control protocols via E-Box Remote, 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 high-power, multi-chip LEDs provides up to 2328 lumen output. Multiple LED colour variants. No light spills. Perfectly homogenised light output with efficacy up to 35 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

Utilising the innovative E-Box Remote series of power and data interfaces, Calumma Remote M MC can communicate via numerous wired, wireless, and Ethernet based control protocols.

COLOURS

* UPON REQUEST



RGBW
(6500 K)



RGBA



RGBL



PW
(3000 K)



TW
(3000-6500 K) *

CONTROL & PROTOCOLS



E-BOX
REMOTE
RANGE

FINISH OPTIONS

* CLOSEST RAL TONE
* HE = Harsh Environment



Graphite Black
RAL 9011*



Grey Aluminium
RAL 9007



Sandstone
RAL 1014*



Pure White
RAL 9010



HE
Graphite Black
RAL 9011*



HE
Grey Aluminium
RAL 9007



HE
Sandstone
RAL 1014*



HE
Pure White
RAL 9010



RAL
Custom
Paint Colour

OPTIC OPTIONS

SYMMETRICAL



9°



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°

STANDARD & SPECIFICATION



IP67



IK10



CE



ETL



ROHS



UKCA



5
YEAR

Warranty
with
Registration



Vibration
Standard
for Bridge

SPECIFICATION

ELECTRICAL	Input Voltage	48 V	
	Typical Power Consumption	65 W +/-10 %	
OPTICAL	Light Source	High Power Multichip LEDs	
	Colour Variants	RGBW (W - 6500 K) RGBA RGBL Pure White (W - 3000 K) On Request: Tuneable White (3000–6500 K)	
	Beam Angle	9° 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	2328 lm (@9° RGBW)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
CONTROL	Interface Protocol	Via E-box Remote, E-box Remote Basic or E-Box Remote Basic Mini	
	E-box control protocol	USITT DMX512+RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net	
	Settings / Addressing	Via Two Row LCD Display with Control Buttons on E-Box Remote or RDM communicator	
	Power Supply	Via E-Box Remote range	
PHYSICAL	Width x Height x Depth	264 x 278 x 106 mm (10.4 x 10.94 x 4.17 in.)	
	Weight	5.43 kg 12 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 / Connections	IN: - Cable with bare end (Standard 1m, Longer upon Request) - 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 Remote (1x or 4x Output)	
		Cable UL20969 5x20 AWG (black or white) - Calumma Remote input cable	
		Cable SJTW 5x14 AWG (black or white) - main connection between Junction Boxes	
		Optical Demo Set for Calumma M (for demo purposes)	
		Outdoor Foil Holder for Calumma M „OFH“ version only (for permanent installation)	
		Optical Foil Set for Outdoor Foil Holder Calumma M	
		Land Spike for Calumma M	
		Top Hat Calumma M	
		Half Top Hat Calumma M	
		Re-enterable Electrical Insulating Resin	
		Floor Stand for Calumma S, M	
		Pole Adaptor (ø 102 mm) (Yoke for Pole Adaptor Required)	

SPECIFICATION

CABLES AND CONNECTORS	Not Included Items	DMX - CONNECTOR SOLUTION	
		Cable SJTW 5x14 AWG (13053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (13053697), with bare-end, white (on request) - 1/3/5/10 m	
		Leader CE Cable FF, 0.1 m, MINI-05 (13053978)	
		Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m, (13054131) - 0.5/1/3/5 m	
		Jumper Cable MINI-05 FF/MM (5x20 AWG), 0.5 m, (13053937-02) - 0.5/1/3/5/10 m	
		Cable 5x20 AWG, 0.5 m, with connector MM	
		Adaptor MID2MINI (13054149)	
		Adaptor MINI2MID (13054150)	
		T-connector MID-05 MFF (13054130)	
		T-connector MINI-05 MFF (13053941-01)	
		Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)	
		Field Installable Connector MID-05 FF (14–22 AWG) - (13054127)	
		DMX - BARE-END	
		Cable SJTW 5x14 AWG (13053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (13053697), with bare-end, white (on request) - 1/3/5/10 m	
		Cable UL 20969 (5x20 AWG), 1 m, (13053481), black	
		Cable UL 20969 (5x20 AWG), 1 m, (13053696), white (on request)	
		Junction Box Remote (4x Output) - (10980716)	
		Junction Box Remote (1x Output) - (10980715)	
		DALI - CONNECTOR SOLUTION	
		Cable SJTW 5x14 AWG (13053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (13053697), with bare-end, white (on request) - 1/3/5/10 m	
		Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m, (13054131) - 0.5/1/3/5 m	
		T-connector MID-05 MFF (13054130)	
		Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)	
		Junction Box Remote (1x Output) - (10980715)	
		Junction Box Remote (4x Output) - (10980716)	
		DALI - BARE-END	
		Cable SJTW 5x14 AWG (13053336), standard with bare-end, black - 1/3/5/10 m	
		Cable SJTW 5x14 AWG (13053697), with bare-end, white	
		Cable UL 20969 (5x18 AWG) - (13054125)	
		Junction Box Remote (1x Output) - (10980715)	
		Junction Box Remote (4x Output) - (10980716)	

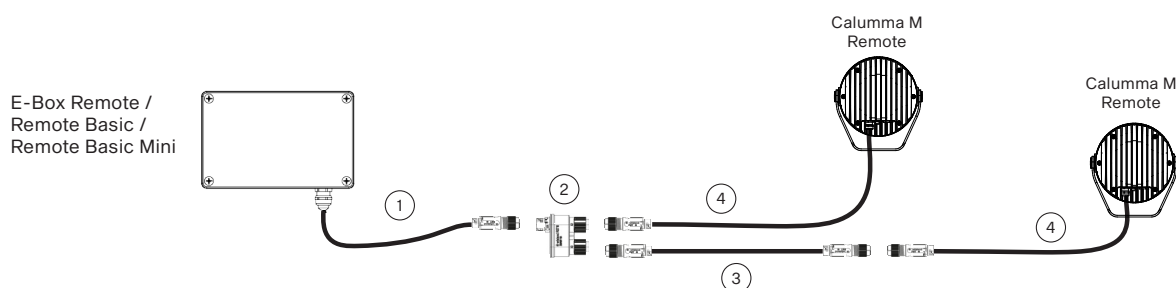
CONTROL AND CONNECTION OPTIONS - CE & US

DMX - CONNECTOR SOLUTION

A E-BOX REMOTE / REMOTE BASIC / REMOTE BASIC MINI

- 1) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 FF (14–22 AWG) - (13054127)
- 2) T-connector MID-05 MFF (13054130)
- 3) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 4) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)

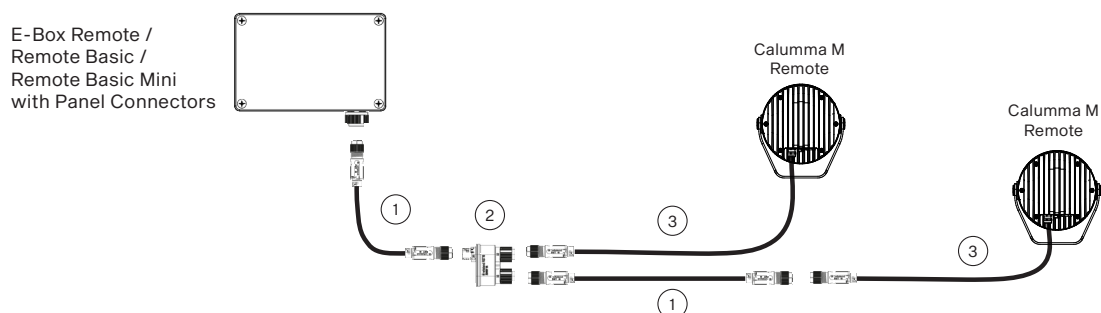
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



B E-BOX REMOTE / REMOTE BASIC / REMOTE BASIC MINI WITH PANEL CONNECTORS

- 1) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 2) T-connector MID-05 MFF (13054130)
- 3) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)

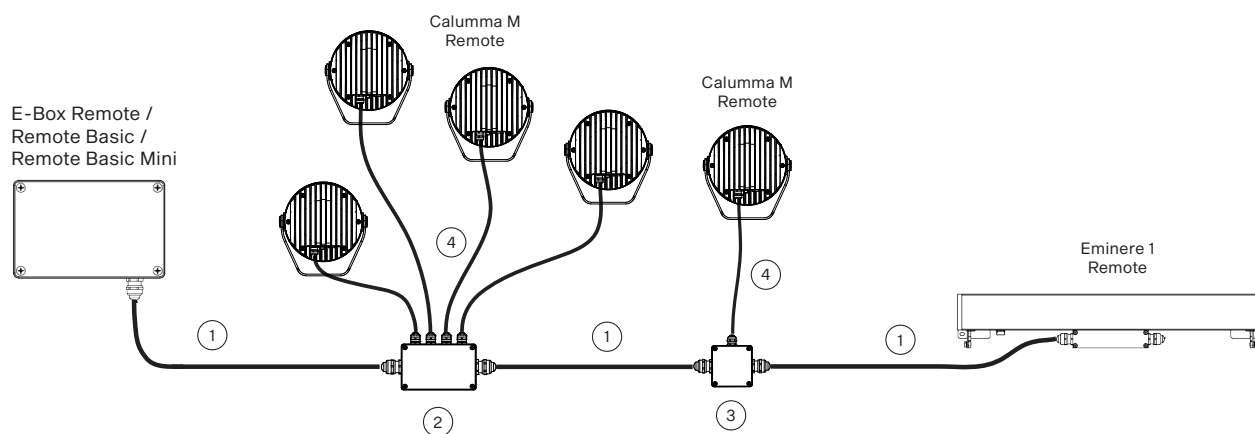
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DMX - BARE-END SOLUTION

- 1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black or on request Cable SJTW 5x14 AWG (13053697), white
- 2) Junction Box Remote, (4x Output) - (10980716)
- 3) Junction Box Remote, (1x Output) - (10980715)
- 4) Cable UL 20969 (5x18 AWG) - (13054125)

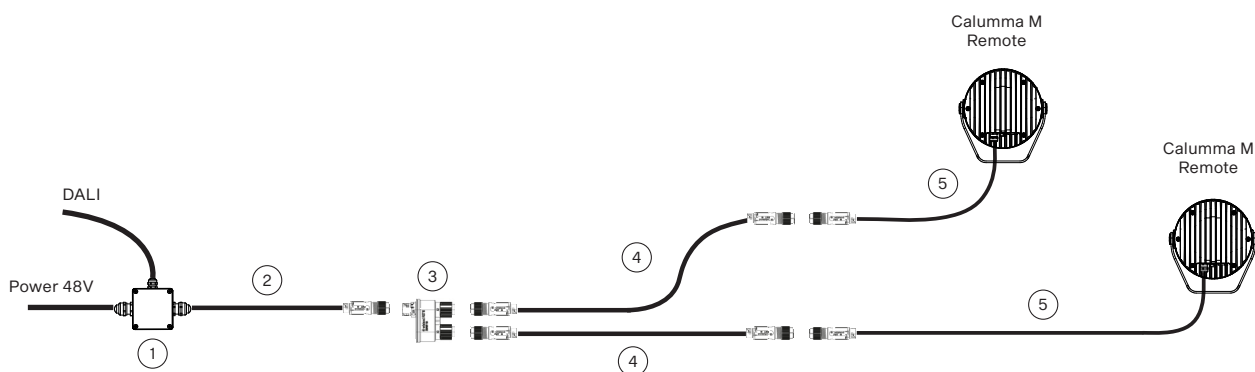
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DALI - CONNECTOR SOLUTION

- 1) Junction Box Remote (1x Output) - (10980715)
- 2) SJTW 5x14 AWG (13053336), black, with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)
- 3) T-connector MID-05 MFF (13054130)
- 4) Jumper Cable CE/US MID-05 FF/MM (5x14 AWG), 0.5 m (13054131)
- 5) Cable UL 20969 (5x18 AWG), 1 m, (13054125), with Field Installable Connector MID-05 MM (14–22 AWG) - (13054126)

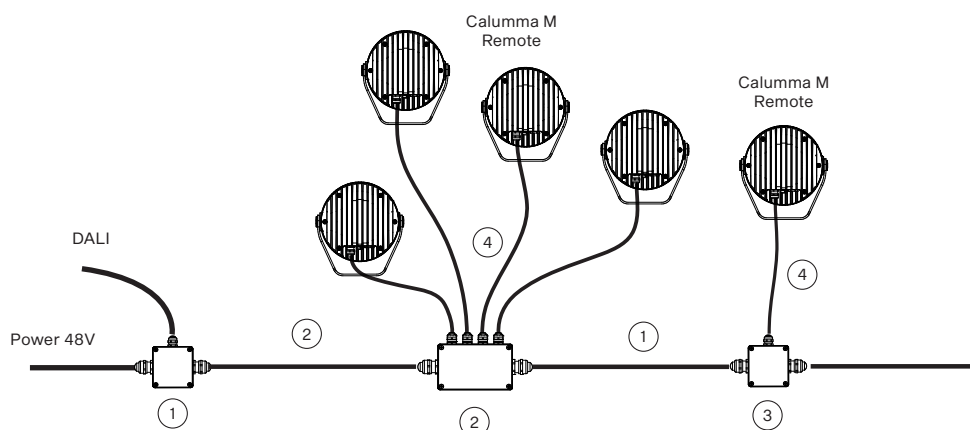
Note: The last unmated connector must be fitted with an Waterproof Cap to protect the IP rating.



DALI - BARE-END SOLUTION

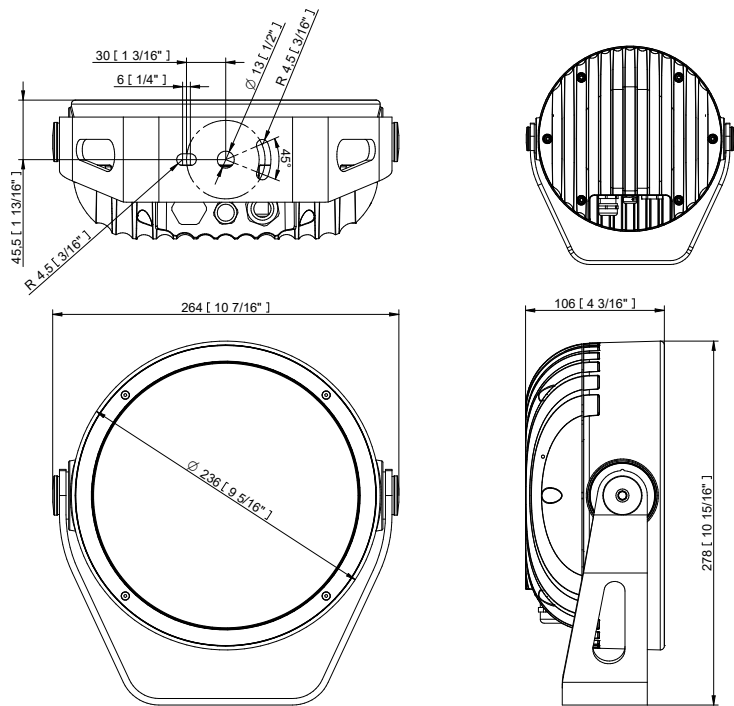
- 1) Junction Box Remote (1x Output) - (10980715)
- 2) SJTW 5x14 AWG (13053336), standard with bare-end, black
- 3) Junction Box Remote (4x Output) - (10980716)
- 4) Cable UL 20969 (5x18 AWG), 1 m, (13054125)

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



DIMENSIONS

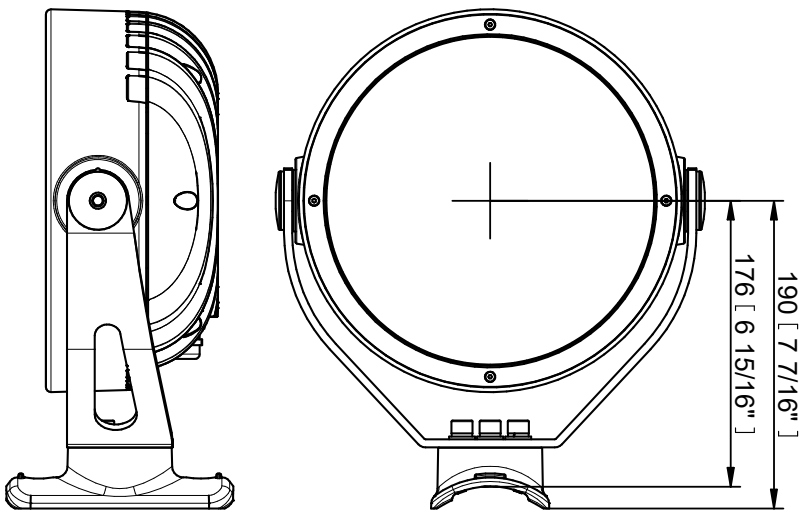
Standard Yoke



ACCESSORIES

Yoke for Pole Adaptor (with Pole Adaptor / PA)

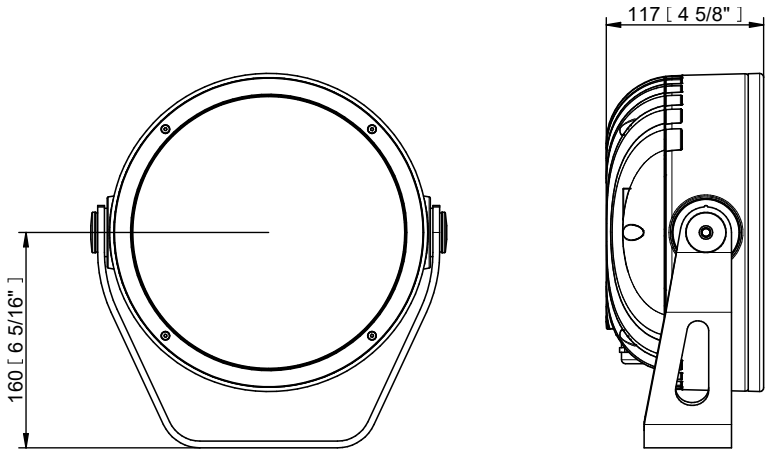
Example of ordering code: Calumma Remote M MC RGBCW 15° PA



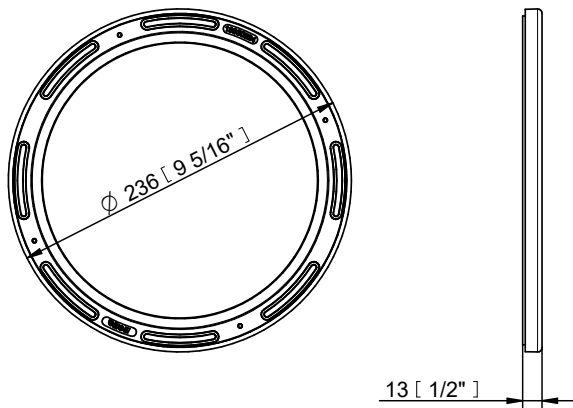
SPECIFICATION SHEET
CALUMMA REMOTE M MC

Outdoor Foil Holder for Calumma M „OFH“ version only (for permanent installation)

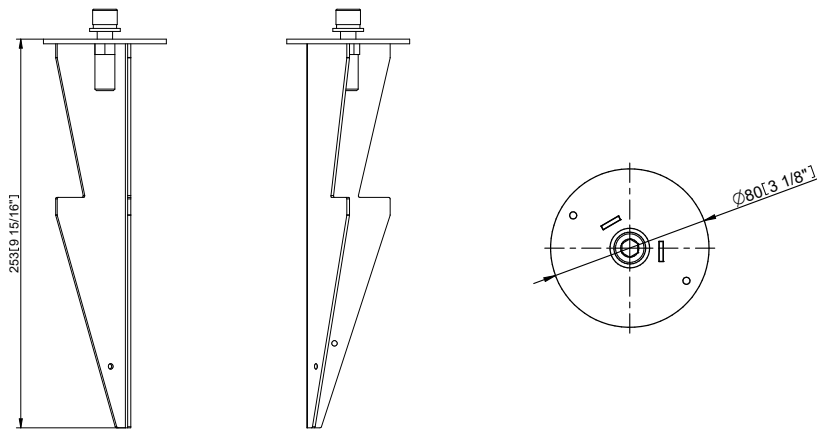
Example of ordering code: Calumma Remote M MC CE RGBCW 9° RAL9007 OFH



Outdoor Foil Holder for Calumma M

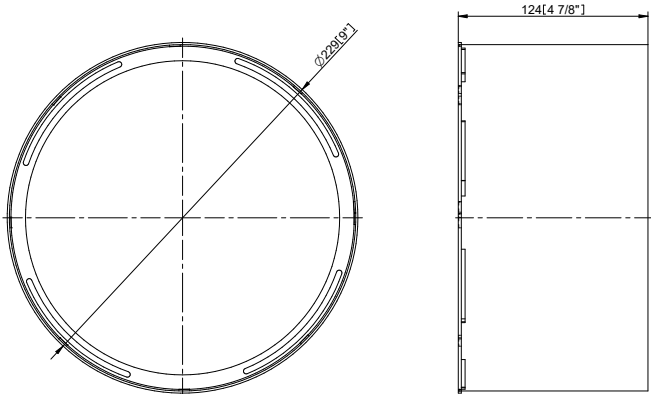


Land Spike for Calumma (S, M, L, XL)

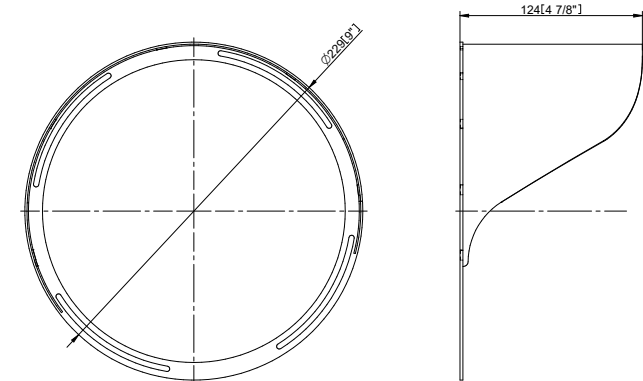


ACCESSORIES

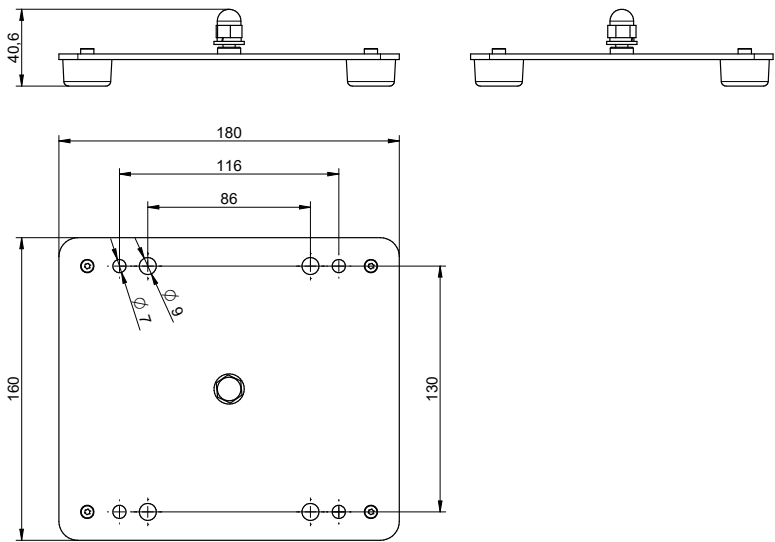
Top Hat



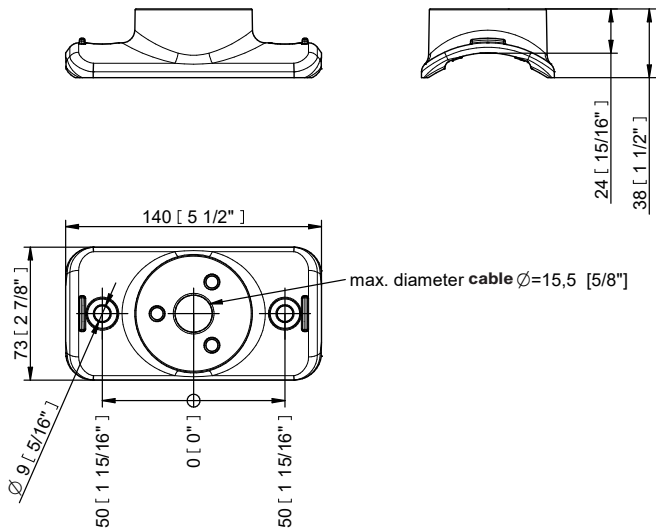
Half Top Hat



Floor Stand



Pole Adaptor

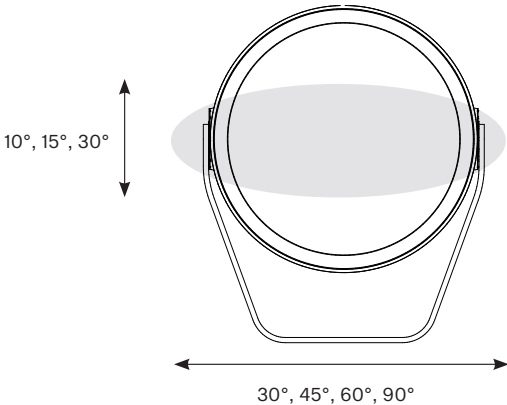


PHOTOMETRIC OVERVIEW

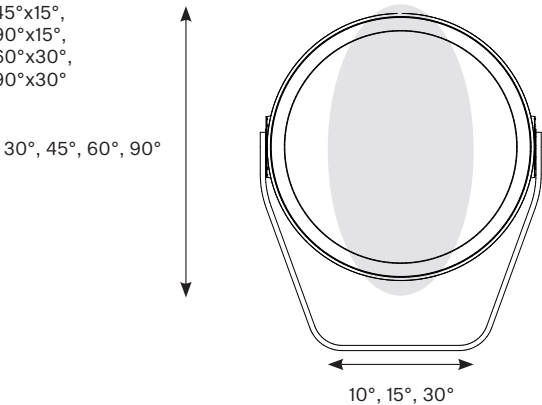
Lumen Output (lm)			
	RGBCW (W 6500 K)	RGBA	WW (W 3000 K)
9°	2328	1996	1985
15°	1980	1698	1688
25°	1981	1699	1689
30°	1949	1670	1661
45°	1975	1694	1684
65°	1977	1696	1686
100°	1954	1676	1666
10° x 30°, 30° x 10°	1871	1605	1595
10° x 60°, 60° x 10°	2080	1784	1774
15° x 45°, 45° x 15°	2122	1819	1809
30° x 60°, 60° x 30°	1964	1685	1676
30° x 90°, 90° x 30°	2123	1821	1810
15° x 90°, 90° x 15°	2108	1808	1798

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°

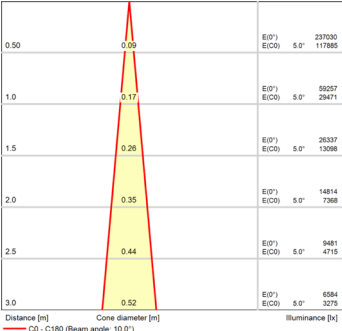
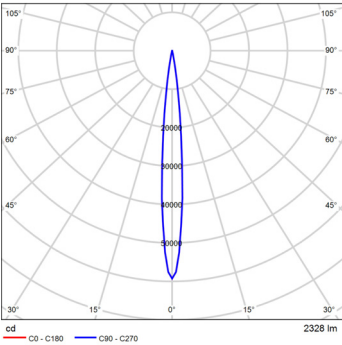


PROJECTED AREA

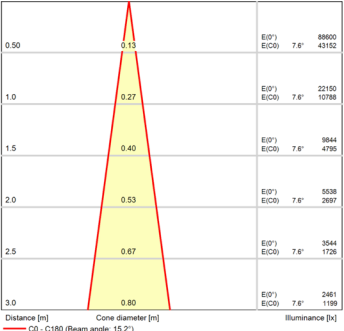
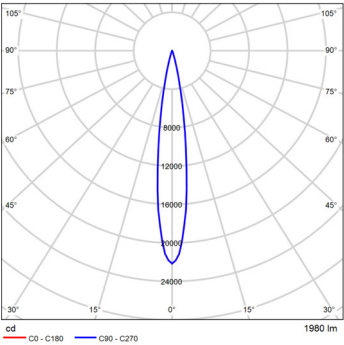
	Front (rear) - m²	Front (rear) ft²	Side - m²	Side - ft²	Top - m²	Top - ft²
Calumma Remote M	0.047	0.500	0.026	0.280	0.024	0.258
with Top Hat	0.047	0.500	0.054	0.581	0.052	0.559
with Half Top Hat	0.047	0.500	0.037	0.398	0.052	0.559

PHOTOMETRIC DATA

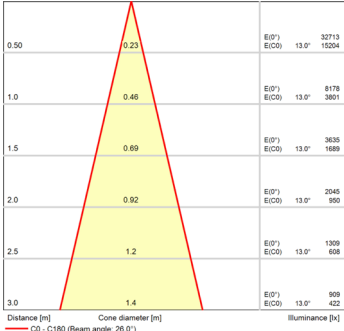
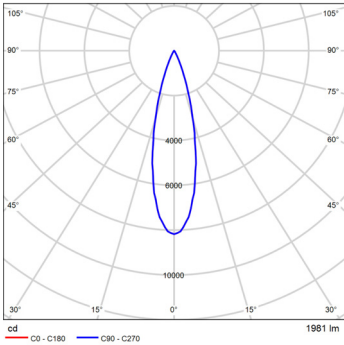
Calumma M MC RGBW 6500K 9dg



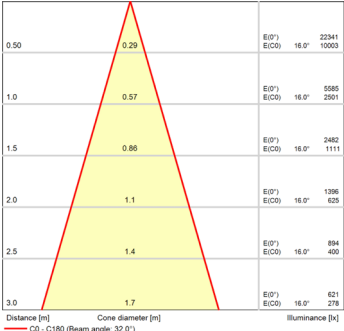
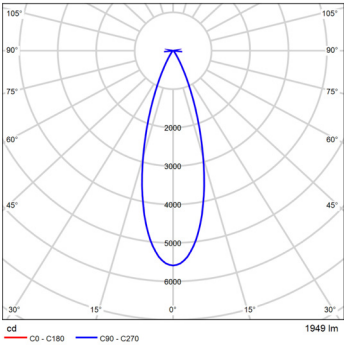
Calumma M MC RGBW 6500K 15dg



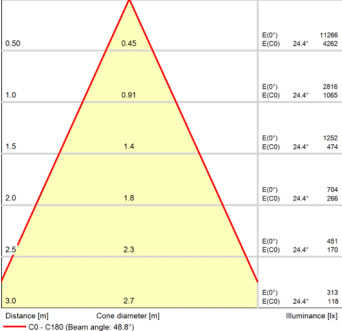
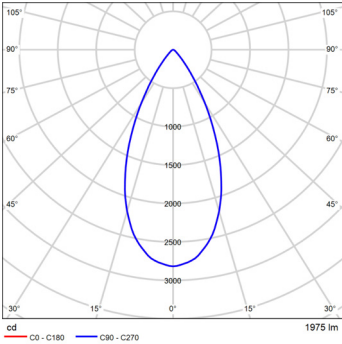
Calumma M MC RGBW 6500K 25dg



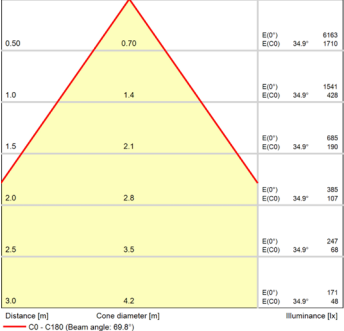
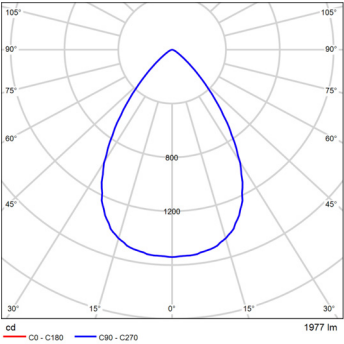
Calumma M MC RGBW 6500K 30dg



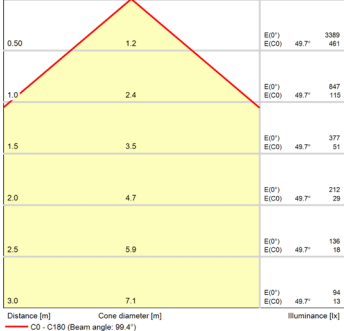
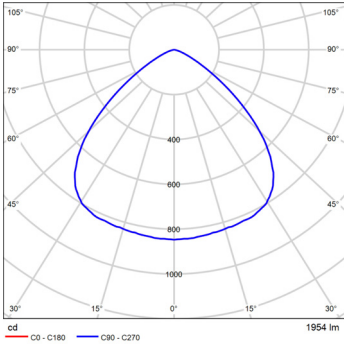
Calumma M MC RGBW 6500K 45dg



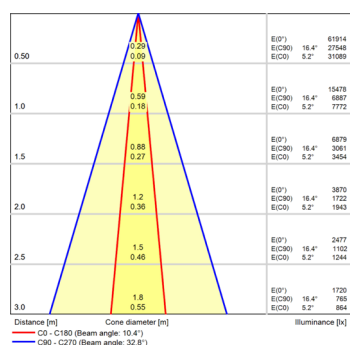
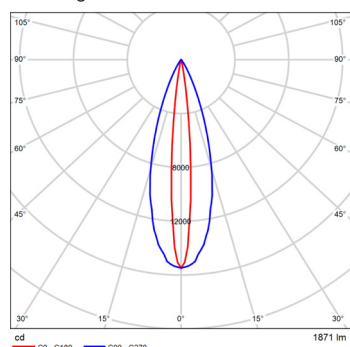
Calumma M MC RGBW 6500K 65dg



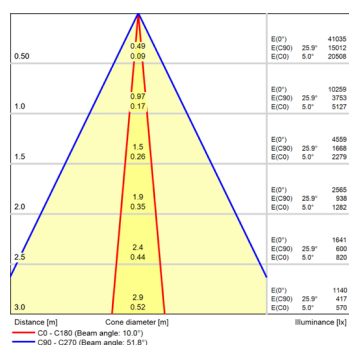
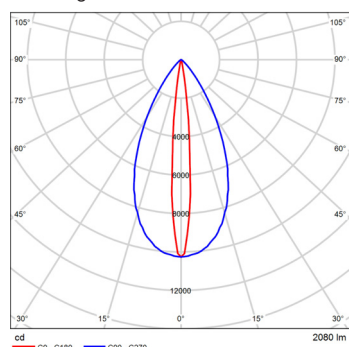
Calumma M MC RGBW 6500K 100dg



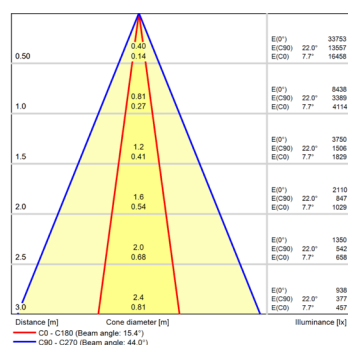
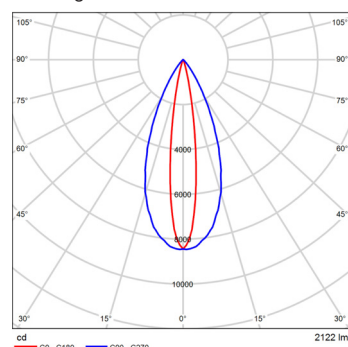
Calumma M MC RGBW 6500K
10x30dq



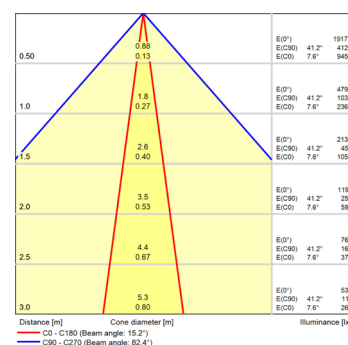
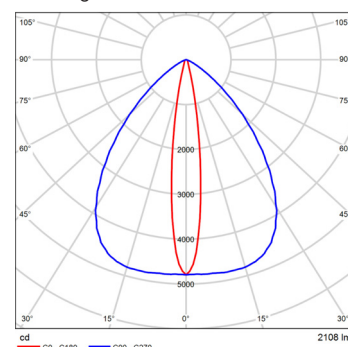
Calumma M MC RGBW 6500K
10x60dq



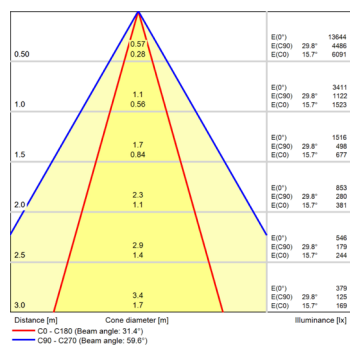
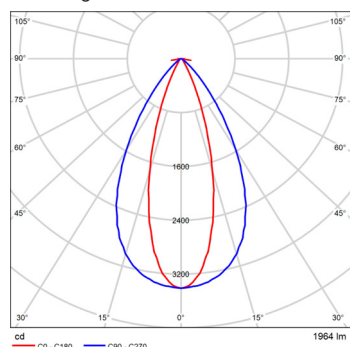
Calumma M MC RGBW 6500K
15x45dq



Calumma M MC RGBW 6500K
15x90dq



Calumma M MC RGBW 6500K
30x60dg



Calumma M MC RGBW 6500K
30x90dg

