CALUMMA™ ARTS M MC



Featuring an artistic optical design with seven high-efficacy multi-chip LEDs, the medium-sized Calumma Arts M MC luminaire delivers powerful and expressive light with a distinctive artistic character. It offers 3 interchangeable lenses and 11 textured glass options, which can be freely combined and adjusted directly on site, allowing lighting designers to fine-tune the effect and create virtually endless lighting possibilities. Its durable housing is built to withstand harsh and marine environments, providing an elegant and robust solution for outdoor applications. Calumma Arts M MC can also be connected in long In/Out daisy-chains via an E-Box and hybrid Plug & Play connections for almost effortless installation.

KEY FEATURES

Lumen output & Light source
Luminaire with seven high-power, multi-chip LEDs provides up to 2316 lumen output. Multiple LED colour variants. 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 for fixture, IP65 for its tube and IK10 certification; suitable for marine applications (Harsh Environment Finish required) and traffic applications. Supported with a 5 year warranty.

Flexibility
Exceptional indoor and outdoor LED luminaire featuring three interchangeable lenses and nine textured glass options. Effects can be adjusted directly on site, offering virtually endless lighting possibilities.

Connectivity
Utilising the innovative E-Box series of power and data interfaces, Calumma M MC can communicate via numerous wired, wireless, and Ethernet based control protocols. Various wiring topologies are supported using hybrid power / data cables with Plug & Play connectors or standard connection options.

COLOURS

* UPON REQUEST

RGBW (6500 K)
RGBA
RGBL
PW (3000 K)
TW (3000-6500 K) *

CONTROL & PROTOCOLS

DMX RDM — OPTIONAL
WIRELESS DMX — OPTIONAL
VIA E-BOX — OPTIONAL
DALI — OPTIONAL

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

NO OPTICS
9°

LENSES

ARC
FRACTAL
LINE

TEXTURED GLASS

AEROLITE
CATHEDRAL
CUBE
DEWDROP
DIAMOND
FLORENTINE
FLUTES
HAMMERED
MATRIX
RIPPLE
STREAM

STANDARD & SPECIFICATION

IP65 — Tube
IP67 — Fixture
IK10
CE
ETL
UK CA
5 YEAR — Warranty with Registration
Vibration Standard for Bridge
ROHS

ROBE lighting s. r. o. | Palackeho 416 | 757 01 Valasske Mezirici | Czech Republic | Tel.: +420 571 751 500 | E-mail: info@anolis.eu | www.anolislighting.com

SPECIFICATION

ELECTRICAL	Input Voltage	120–277 V AC 50/60 Hz (US)	
	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° | No Optics	
	Lumen Output Delivered	2316 lm (@9° RGBW)	
	Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F	
CONTROL	Interface Protocol	Via E-box range, DMX/RDM, wireless DMX, DALI 2	
	E-box control protocol	USITT DMX512+RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net	
	DALI 2 Device Type	DT 8	
	Wireless DMX (Option)	Lumen Radio CRMX Technology	
	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 | Weight	264 x 278 x 106 mm (10.4 x 10.94 x 4.17 in.) | 9.6 kg (21.2 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/OUT (for E- Box version):** - 0.5 m cables with hybrid connectors - Jumper cables	**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 (fixture) / IP65 (tube) / 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 S–XL/Eminere (CE or US)	
		Re-enterable Electrical Insulating Resin	
		Land Spike for Calumma M	
		Floor Stand for Calumma Arts M	
		Pole Adaptor (ø 102mm) (Yoke for Pole Adaptor Required)	
		Strap Wrench for Calumma Arts S, M	
		Clear Glass for Calumma Arts M	
		Lenses for Calumma Arts M	Fractal Lens | ARC Lens | Line Lens
		Textured Glass for Calumma Arts M	Hammered Glass | Diamond Glass | Matrix Glass | Cube Glass | DewDrop Glass | Florentine Glass | Cathedral Glass | Ripple Glass | Stream Glass | Aerolite Glass | Flutes Glass

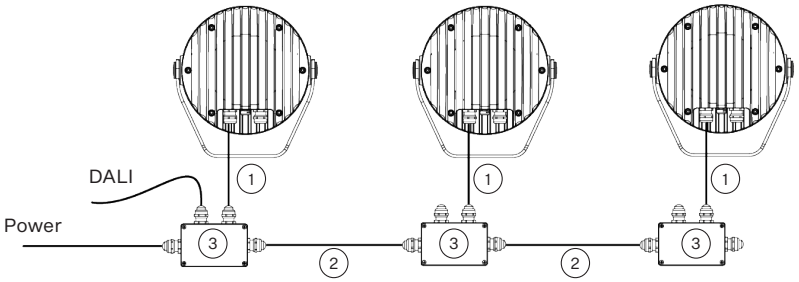
CONTROL AND CONNECTION OPTIONS - CE

DALI

1) Hybrid Cable (13053693) Standard 1 m with bare-end, black
   or on request Hybrid cable (13053697), 1 m with bare-end, white

2) Hybrid Cable (13053693) Standard 1 m with bare-end, black
   or on request Hybrid cable (13053697), 1 m with bare-end, white
   or Scope of Others

3) Junction Box



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1) Junction Box

2) Hybrid Cable (13053693) Standard 1 m with bare-end, black
   or on request Hybrid cable (13053697), 1 m with bare-end, white

3) Field Installable Connector FF DC-05 (13053971)

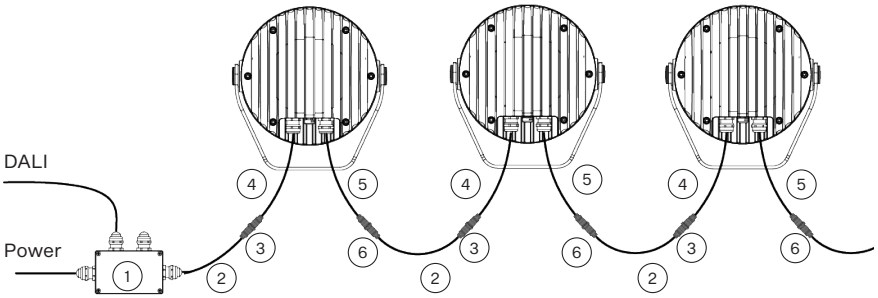
4) Hybrid Cable (13053693), black, standard 0.5 m with Field
   Installable Connector MM DC-05 (13053972), black

   or on request Hybrid cable (13053697), white, 0.5 m with Field
   Installable Connector MM DC-05 (13053972), black

5) Hybrid Cable (13053693), black, standard 0.5 m with Field
   Installable Connector FF DC-05 (13053971), black

   or on request Hybrid cable (13053697), white, 0.5 m with Field
   Installable Connector FF DC-05 (13053971), black

6) Field Installable Connector MM DC-05 (13053972)



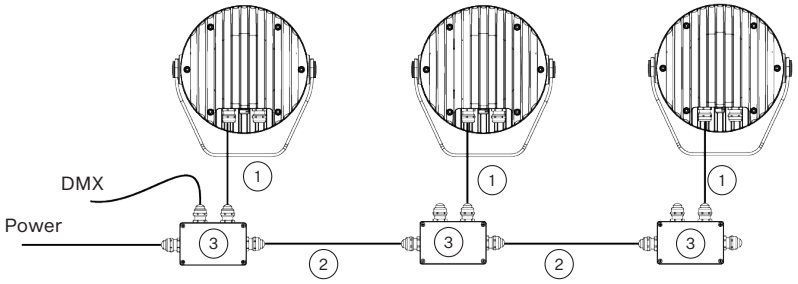
Note: The last unplugged connector must be fitted with a Waterproof Cap to protect the IP rating.

DMX

1) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508),
   Standard 1 m with bare-end, black
   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white

2) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), black
   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white
   or Scope of Others

3) Junction Box

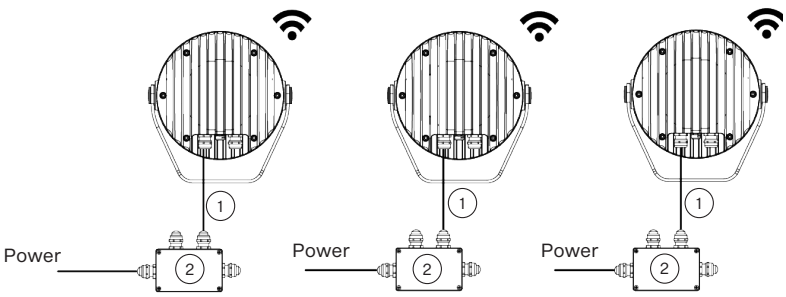


WIRELESS DMX

1) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508),
   Standard 1 m with bare-end, black
   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white

2) Junction Box

Note: This type of connection is available for M, L, XL versions.

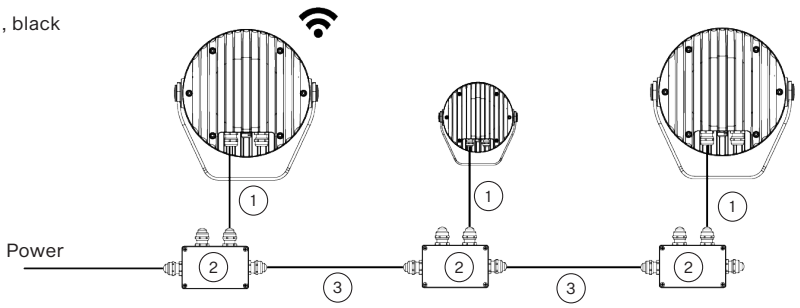


CONTROL AND CONNECTION OPTIONS - CE

WIRELESS DMX

1) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), Standard 1 m bare-end, black
   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white
2) Junction Box
3) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), black
   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white
   or Scope of Others

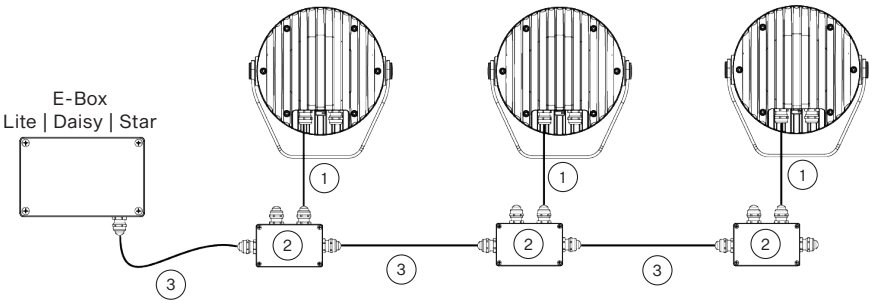
Note: This type of connection must have M, L or XL versions as the first luminaire. Next luminaires in a row could be chosen from S, M, L or XL versions.



DMX or ETHERNET via E-BOX

1) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508),
   Standard 1 m with bare-end, black
   or HYB-5731ZH LSZH (13053694), Hybrid cable, white
2) Junction Box
3) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), black
   or HYB-5731ZH LSZH (13053694), Hybrid cable, white
   or Scope of Others

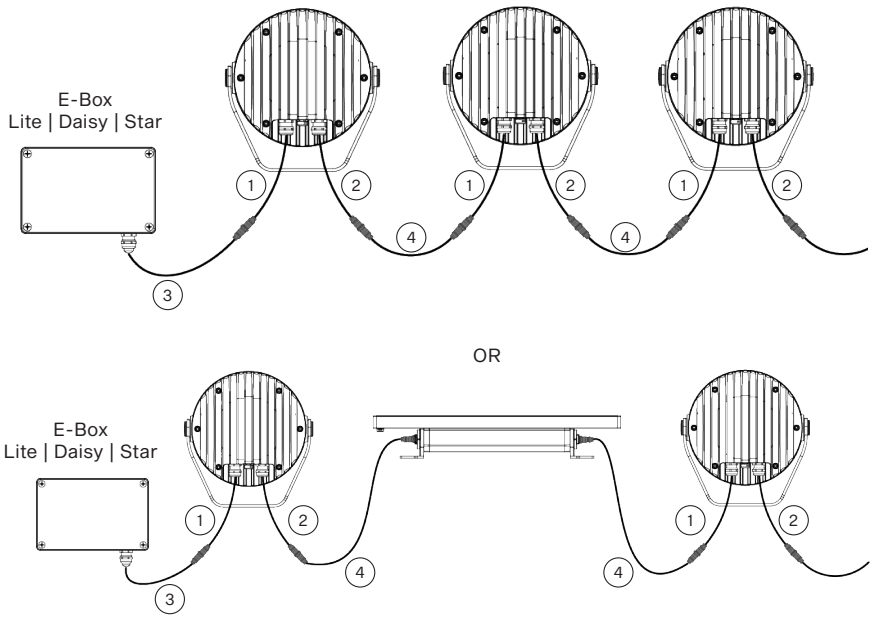
Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.



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1) Leader Cable MM (13053493)
   Standard 0.5 m with hybrid connector
2) Leader Cable MF (13053494)
   Standard 0.5 m with hybrid connector
3) Leader Cable FF 2 m (13053438)
   Leader Cable FF 5 m (13053440)
   Leader Cable FF 10 m (13053436)
   Leader Cable FF 25 m (13053437)
   Leader Cable FF 50 m (13053439)
4) Jumper Cable FF/FM 0.25 m (13053422)
   Jumper Cable FF/FM 0.5 m (13053423)
   Jumper Cable FF/FM 1 m (13053425)
   Jumper Cable FF/FM 2 m (13053427)
   Jumper Cable FF/FM 3 m (13053428)
   Jumper Cable FF/FM 5 m (13053430)
   Jumper Cable FF/FM 10 m (13053424)

Note: With this type of connection is possible to connect Calumma (M, L, XL) and Eminere (Eminere, Eminere Side) luminaires in a row.

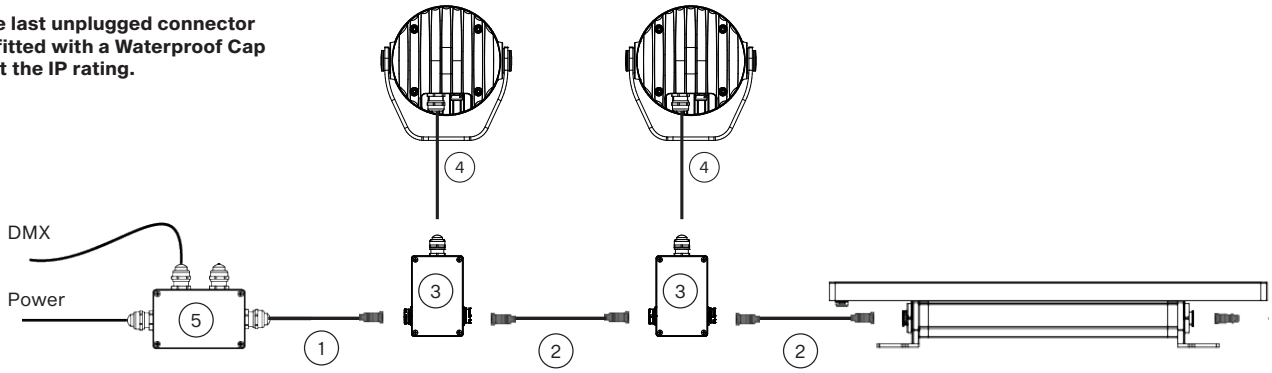


CONTROL AND CONNECTION OPTIONS - CE

DMX WITH JUNCTION BOX FOR CALUMMA M / EMINERE (CE)

1) Leader Cables FF - 2 | 5 | 10 | 25 | 50 m
2) Jumper Cables FF/FM - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m
3) Junction Box for Calumma S–XL / Eminere CE (10981268 for RAL9011)
4) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), Standard 1 m with bare-end, black
   or HYB-5731ZH LSZH (13053694), Hybrid cable, white
5) Junction Box

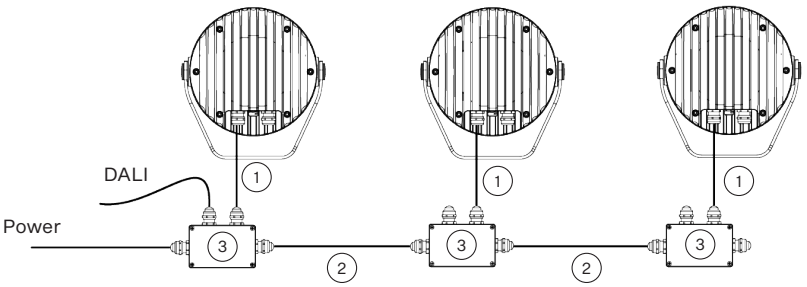
Note: The last unplugged connector must be fitted with a Waterproof Cap to protect the IP rating.



CONTROL AND CONNECTION OPTIONS - US

DALI

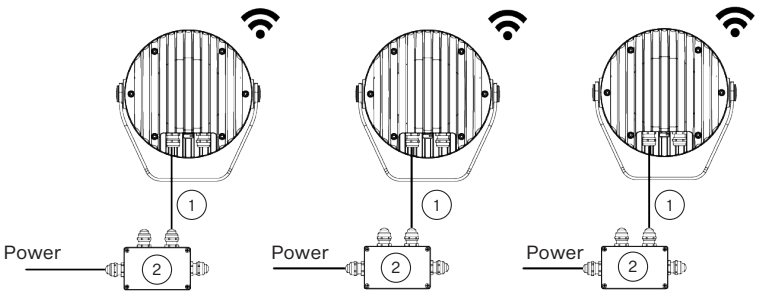
1) SJTW 5x14 AWG (13053693), Standard 1 m with bare-end, black
   or Cable SJTW 5x14 AWG (13053697), white
2) SJTW 5x14 AWG (13053693), black
   or Cable SJTW 5x14 AWG (13053697), white
   or Scope of Others
3) Junction Box



WIRELESS DMX

1) SJTW 6x14 AWG (13053480), Standard 1 m with bare-end, black
   or Cable SJTW 6x14 AWG (13053695), white
2) Junction Box

Note: This type of connection is available for M, L, XL versions

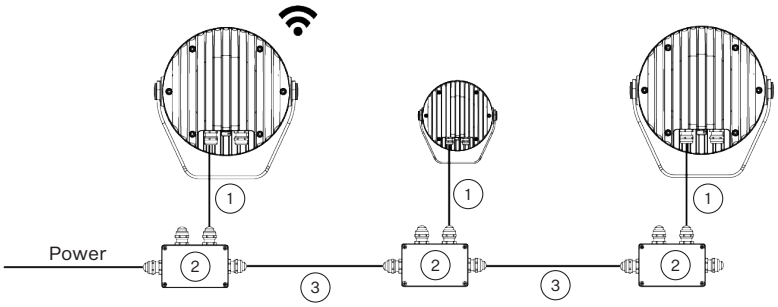


CONTROL AND CONNECTION OPTIONS - US

WIRELESS DMX

1) SJTW 6x14 AWG (13053480), Standard 1 m with bare-end, black
   or Cable SJTW 6x14 AWG (13053695), white
2) Junction Box
3) SJTW 6x14 AWG (13053480), black
   or Cable SJTW 6x14 AWG (13053695), white
   or Scope of Others

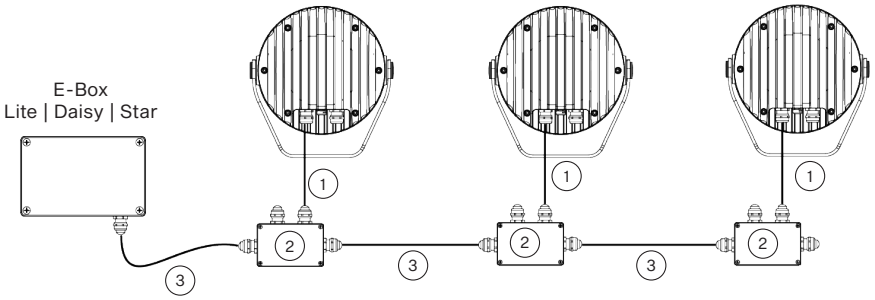
Note: This type of connection must have M, L or XL versions as the first luminaire. Next luminaires in a row could be chosen from S, M, L or XL versions.



DMX or ETHERNET via E-BOX

1) SJTW 6x14 AWG (13053480)
   Standard 1 m with bare-end, black
   or Cable SJTW 6x14 AWG (13053695), white
2) Junction Box
3) SJTW 6x14 AWG (13053480), black
   or Cable SJTW 6x14 AWG (13053695), white
   or Scope of Others

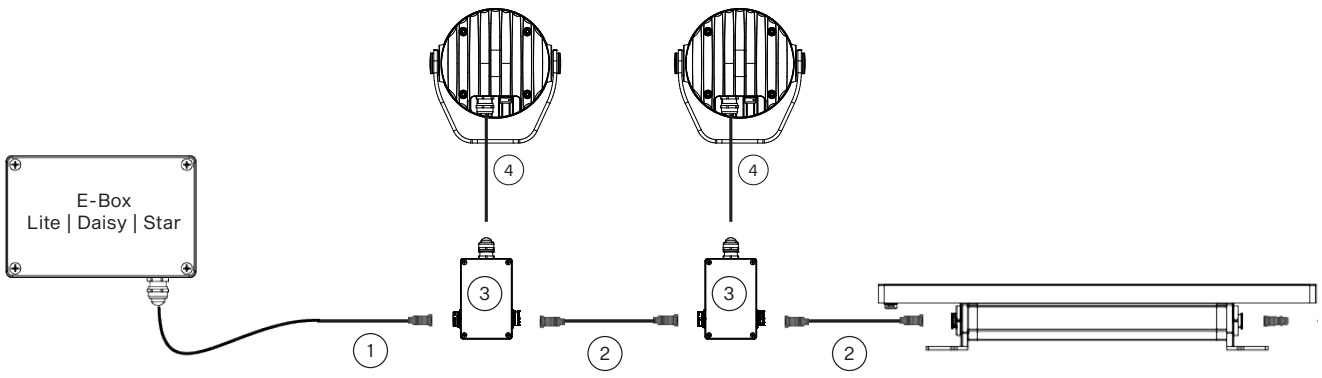
Note: This type of connection is available for S, M, L, and XL versions. E-Box has to be in Pass Through mode only.



DMX WITH JUNCTION BOX FOR CALUMMA M / EMINERE (US)

1) Leader Cables FF - 2 | 5 | 10 | 25 | 50 m
2) Jumper Cables FF/FM - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m
3) Junction Box for Calumma S-XL / Eminere US (10981269 for RAL9011)
4) SJTW 6x14 AWG (13053480) Standard 1 m with bare-end, black
   or Cable SJTW 6x14 AWG (13053695), white

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



CONNECTIVITY

Following table shows maximum connected Calummas Arts M MC in a row with respect of cable length.

STANDARD MODE	Cable length (m)	Voltage (V)			
		120	190	230	277
CALUMMA M MC	10	28	44	54	65
	20	28	44	54	65
	30	20	44	54	65
	50	12	30	43	63
	70	8	21	31	45
	100	6	15	22	32
	200	3	7	11	16
	500	1	3	4	6

PASS-THROUGH MODE	Cable length (m)	Voltage (V)			
		120	190	230	277
CALUMMA M MC	10	28	32	32	32
	20	28	32	32	32
	30	20	32	32	32
	50	12	30	32	32
	70	8	21	31	32
	100	6	15	22	32

BOOSTER BOX POSITIONS

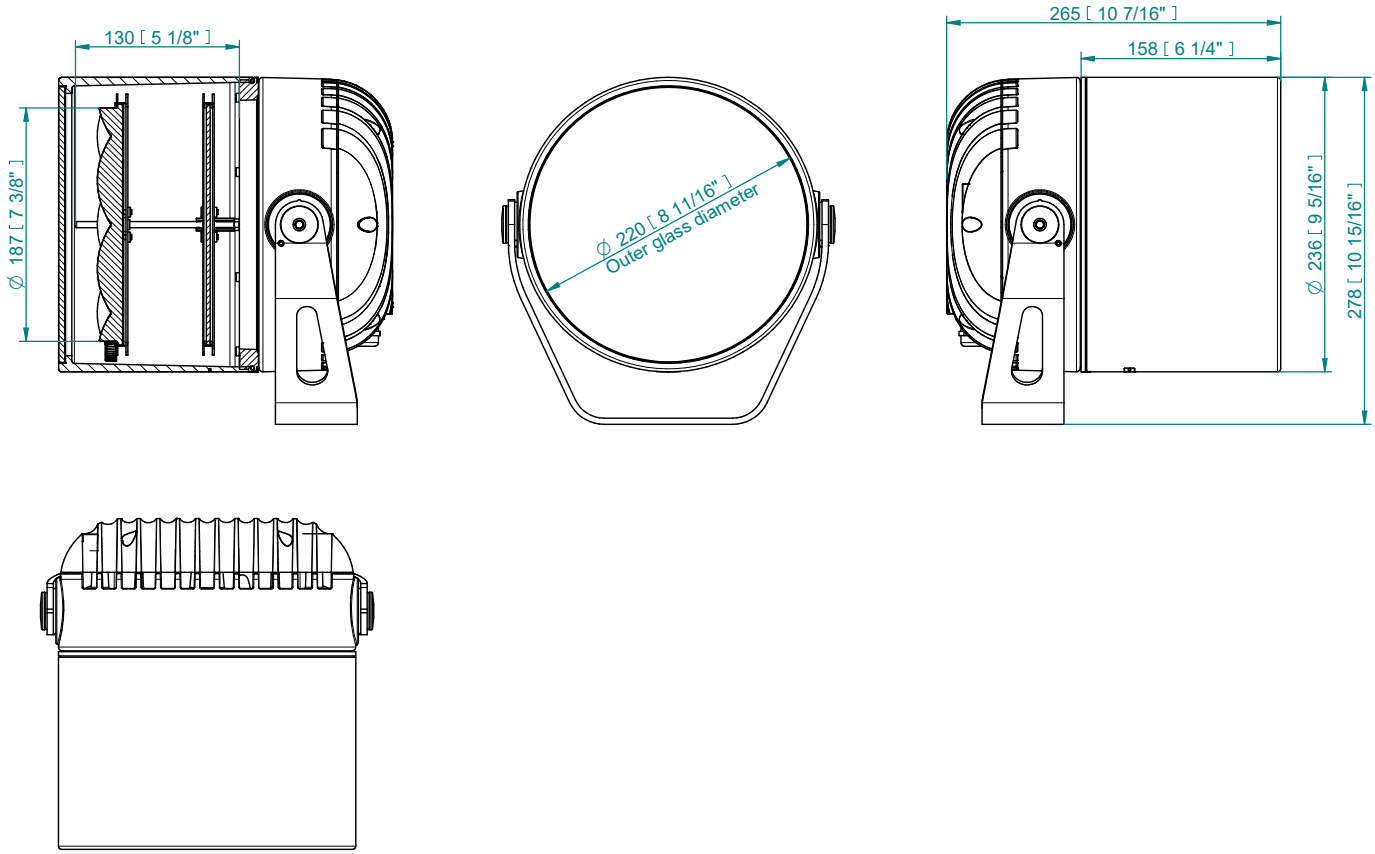
	Cable length (m)	Max. number of Calummas M MC= 191 (in Standard mode)			
		120 V	190 V	230 V	277 V
CALUMMA M MC	10 m	28	-	-	-
	20 m	28, 56	44	54	65
	30 m	20, 40, 60, 80, 100	44, 88	54, 108	65
	50 m	12, 24, 48, 56, 64, 76, 88, 100..	30, 60, 90, 120, 150, 180	43, 86, 129, 172	63, 126
	70 m	8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96....	21, 42, 63, 84, 105, 126...	31, 62, 93, 124, 155, 176...	45, 90, 135, 180, 225...
	100 m	6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102....	15, 30, 45, 60, 75, 90, 105, 120, 135...	22, 44, 66, 88, 110, 132, 154...	32, 64, 96, 128, 160, 192
	200 m	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81...	7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, 98, 105...	11, 22, 33, 44, 55, 66, 77, 88, 99, 110...	16, 32, 48, 64, 80, 96, 112, 128, 144...
	500 m	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11...	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66...	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80....	6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96...

NOTE: For more detail see the User manual.

PROJECTED AREA

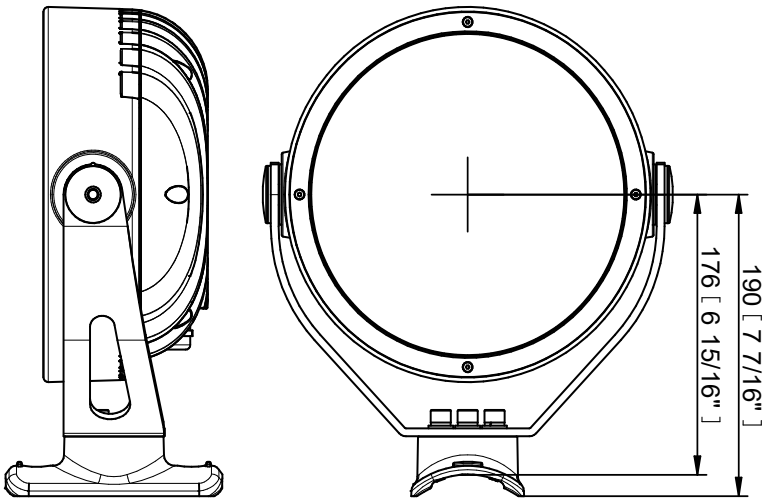
	Front (rear) - m²	Front (rear) ft²	Side - m²	Side - ft²	Top - m²	Top - ft²
Calumma Arts M	0.044	0.47	0.063	0.68	0.062	0.67

DIMENSIONS



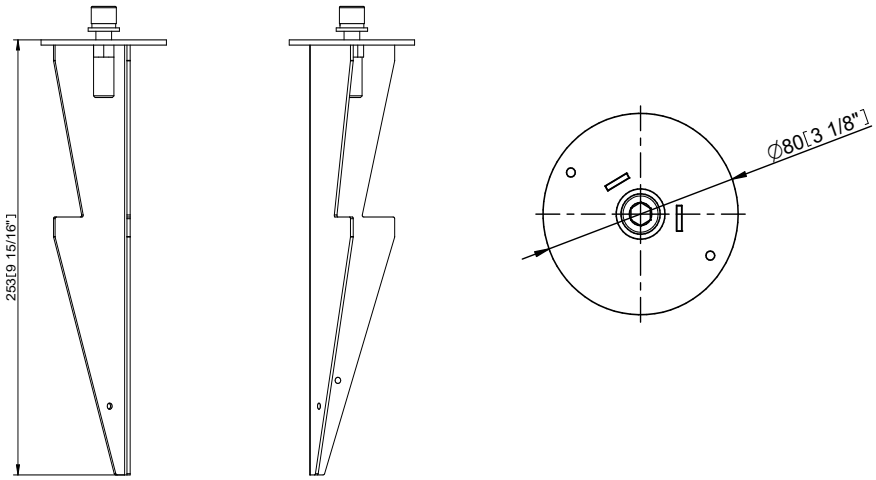
Yoke for Pole Adaptor (with Pole Adaptor / PA)

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

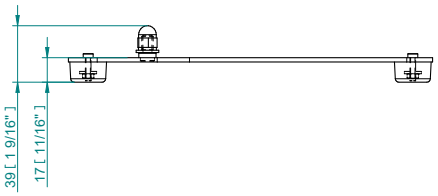


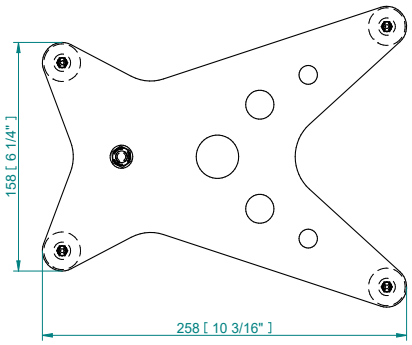
ACCESSORIES

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



Floor Stand for Calumma Arts M





Pole Adaptor (ø 102mm)

