Anolis

CALUMMA™ UN M SC

Featuring an optical design with 12 high-efficacy single-chip LEDs and available in optional LED colour variants, the medium-sized Calumma UN M SC luminaire delivers powerful and precise light output. With a single ultra-narrow 5° beam angle, it is particularly suited for wall grazing and highlighting vertical surfaces with minimal light spill. Its durable housing is built to withstand demanding outdoor conditions, and the special finish for harsh and marine environments ensures a long-lasting, elegant LED solution. Calumma UN M SC can also be connected in long In/Out daisy-chains via an E-Box and hybrid Plug & Play connections for effortless installation. Supported by a range of accessories and control protocols, this luminaire provides versatile and effective solutions for architectural lighting applications.

KEY FEATURES

Lumen output & Light source
Luminaire with 12 high-power, singlechip LEDs provides up to 2261 lumen output. No light spills. Well homogenised light output with great efficacy up to 57 lm/w.

Design & Durability
Compact, durable and stylish housing made of high-pressure die cast aluminium. IP67 and IK10 certifi cation; suitable for marine applications (Harsh Environment Finish required) and traffic applications. Supported with a 5 year warranty.

Flexibility
With its ultra-narrow 5° optic, Calumma UN M delivers a sharply defined beam ideal for wall grazing and accentuating textures such as stone, brick, or relief surfaces. Its medium-size housing makes it well suited for surface mounting, providing precise and controlled illumination for façades and architectural details.

Connectivity
Utilising the innovative E-Box series of power and data interfaces, Calumma UN M 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

Pure White	Tuneable White *

OPTIC OPTIONS

5°

CONTROL & PROTOCOLS

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

ON OFF
PW & SINGLE COLOUR ONLY

STANDARD & SPECIFICATION

IP67	IK10	CE	ETL us

ROHS	UK CA	5 YEAR	Vibration
		Warranty with Registration	Vibration Standard for Bridge

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 *

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

SPECIFICATION

|			
ELECTRICAL	Input Voltage	120–277 V AC 50/60 Hz (US)	
	Typical Power Consumption	60 W +/-10 %	
OPTICAL	Light Source	37x High Power Single Chip LEDs	
	Colour Variants	PW (W - 3000 K)	
		Upon Request: TW (2700–6500 K), 2200 K, 2500 K, 2700 K, 3500 K, 4000 K, 5000 K, 6500 K	
	Beam Angle	5°	
	Lumen Output Delivered	2261 lm (@ 5° PW 3000 K) TBC	
	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 or ON/OFF (PW & single colour only)	
	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 or third party DALI 2 controllers, Ethernet	
	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.)| 5.9 kg (13 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, ON/OFF):** - 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 S–XL / Eminere (CE or US)	
		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 102mm) (Yoke for Pole Adaptor Required)	

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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
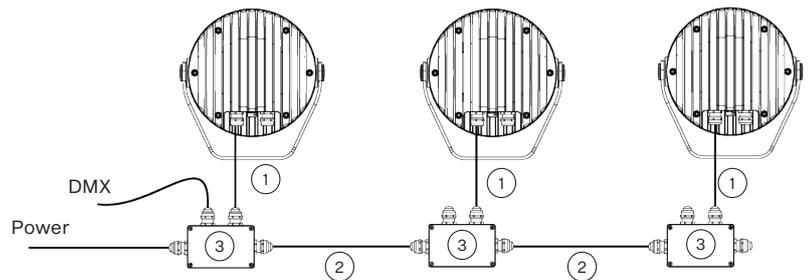   or Scope of Others

3) Junction Box

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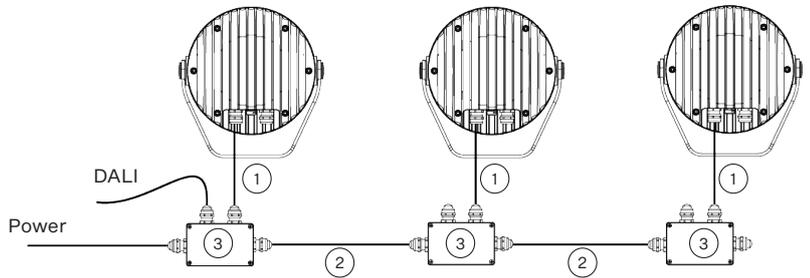
1) Junction Box

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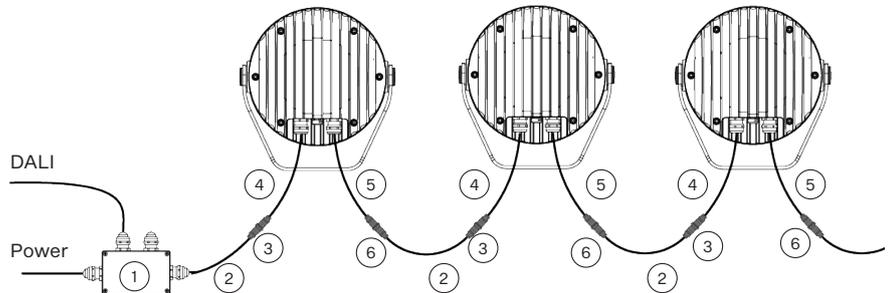
**Note: The last unplugged connector must be fitted with
a Waterproof Cap to protect the IP rating.**

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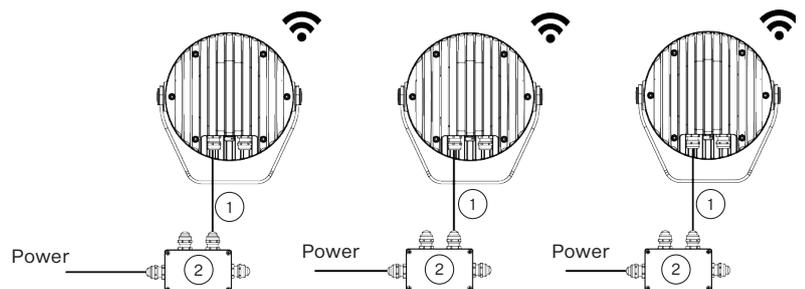
1) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508),
   Standard 1 m with bare-end, black
   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white

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.**

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

VERSION 1.3 / 03_2026

3

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
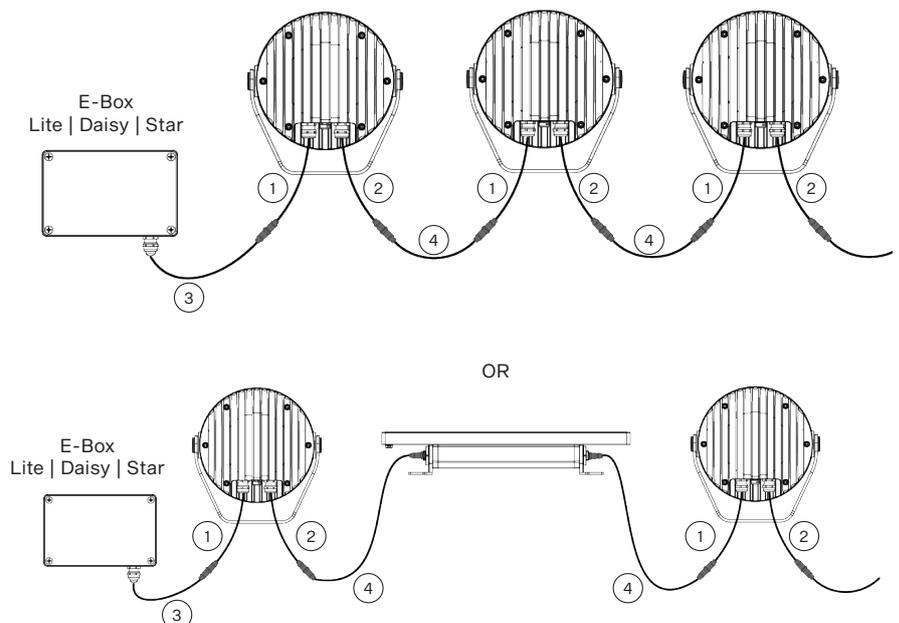   or HYB-5731ZH LSZH (13053694), Hybrid Cable, white
   or Scope of Others

   **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.**
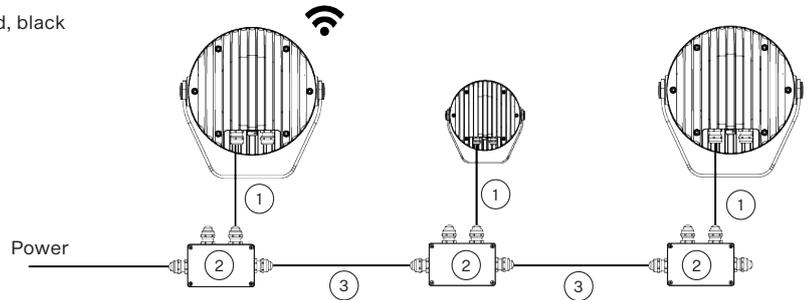
DMX or ETHERNET via E-BOX

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.**
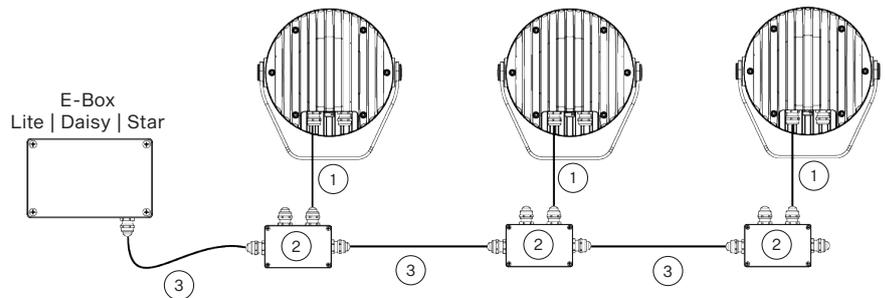
1) Leader Cable MM (13053493)
   Standard 0.5 m with hybrid connector

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.**

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VERSION 1.3 / 03_2026

4

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.**
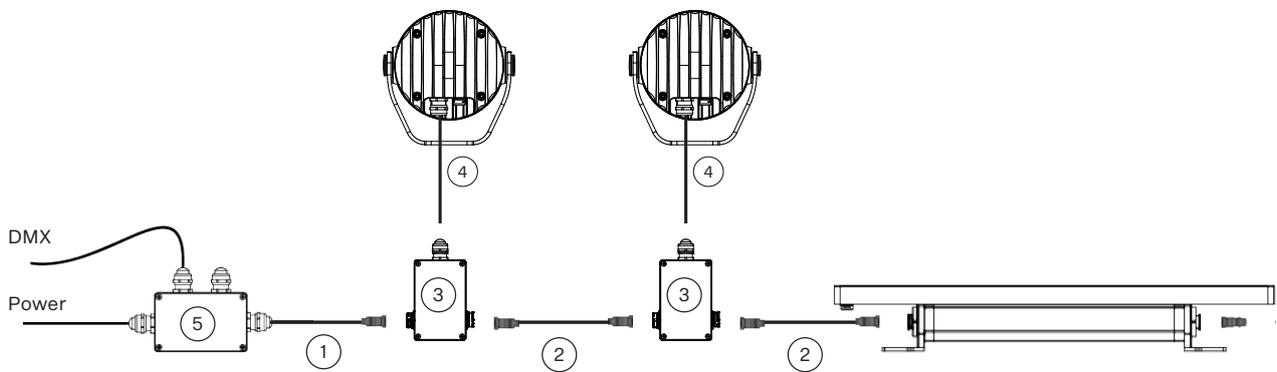
ON/OFF

1) H07BB-F 3G 1.5 (13050919), 3-cored cable,
   Standard 1 m with bare-end, black

2) H07BB-F 3G 1.5 (13050919), 3-cored cable,
   Standard 1 m with bare-end, black
   or Scope of Others

3) Junction Box or Scope of Others
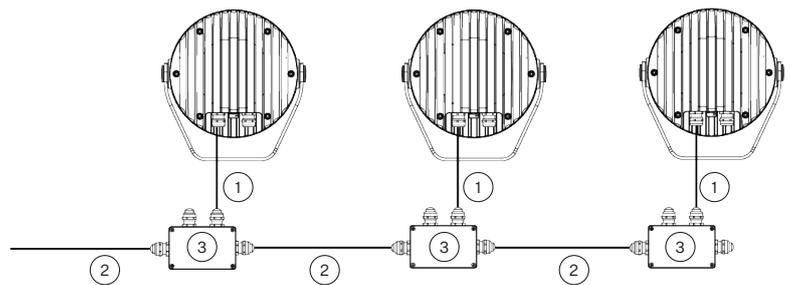
**Note: This type of connection is available for Pure
White and single color version only.
Non dimmable.**

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
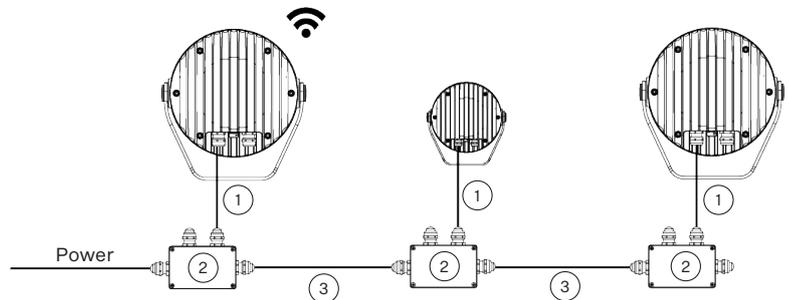or Scope of Others
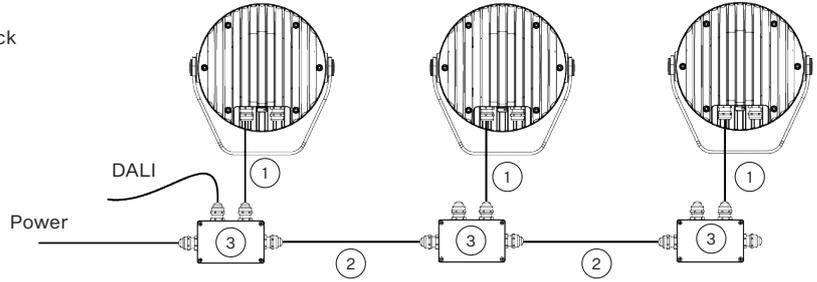
3) Junction Box

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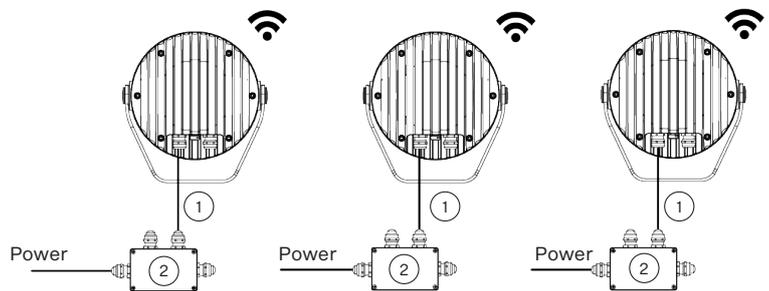
1) SJTW 6x14 AWG (13053480), Standard 1 m with bare-end, black
or Cable SJTW 6x14 AWG (13053695), white

2) Junction Box

3) SJTW 6x14 AWG (13053480), black
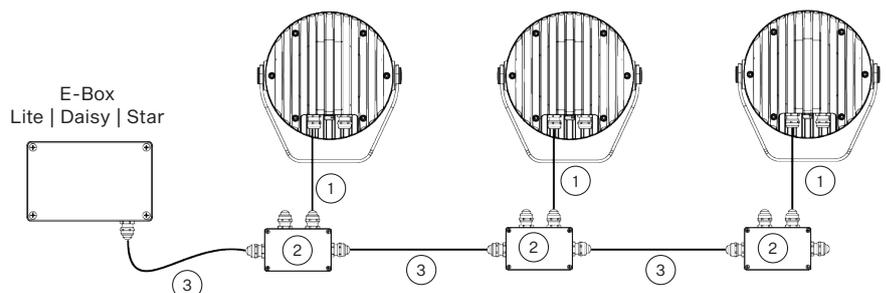or Cable SJTW 6x14 AWG (13053695), white
or Scope of Others

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.**

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VERSION 1.3 / 03_2026

6

CONTROL AND CONNECTION OPTIONS - US

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.
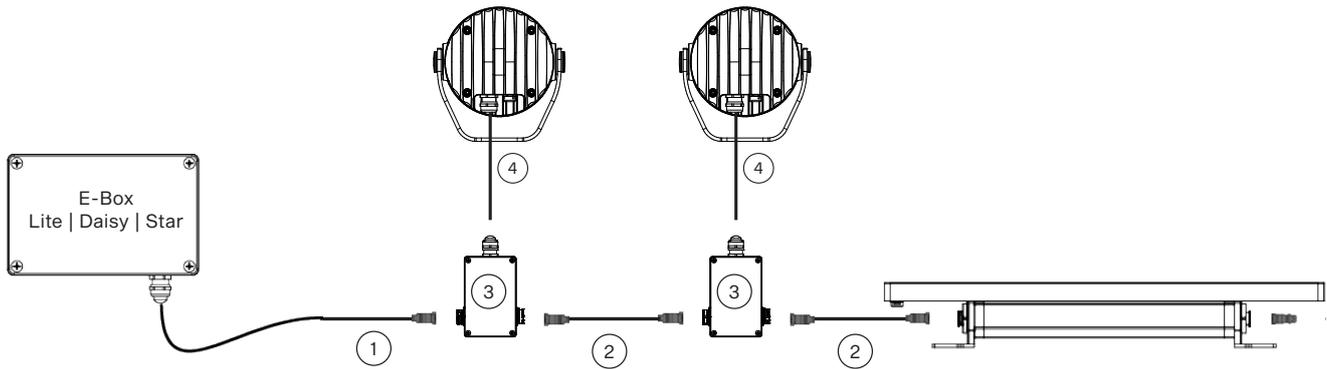
ON/OFF

1) SEOOW power 3x16 AWG (13051558-01),
   3-cored cable, standard 1 m with bare-end, black

2) SEOOW power 3x16 AWG (13051558-01),
   3-cored cable, standard 1 m with bare-end, black
   or Scope of Others

3) Junction Box or Scope of Others
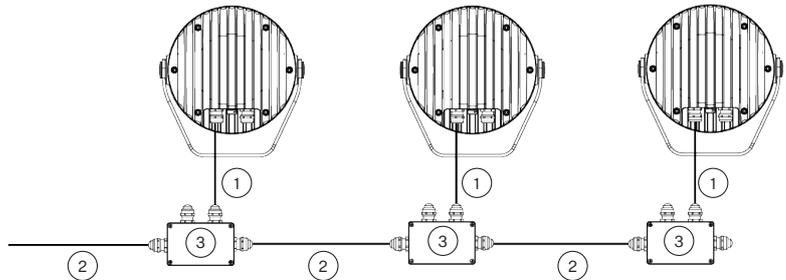
   Note: This type of connection is available for Pure White & single color version only. Non dimmable.

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CONNECTIVITY

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

STANDARD MODE	Cable length (m)	Voltage (V)			
		120	190	230	277
CALUMMA M SC	10	30	48	58	70
	20	30	48	58	70
	30	21	48	58	70
	50	13	32	47	68
	70	9	23	34	49
	100	6	16	24	34
	200	3	8	12	17
	500	1	3	5	7

PASS-THROUGH MODE	Cable length (m)	Voltage (V)			
		120	190	230	277
CALUMMA M SC	10	30	32	32	32
	20	30	32	32	32
	30	21	32	32	32
	50	13	32	32	32
	70	9	23	32	32
	100	6	16	24	32

PROJECTED AREA

	Front (rear) - m²	Front (rear) ft²	Side - m²	Side - ft²	Top - m²	Top - ft²
Calumma 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

BOOSTER BOX POSITIONS

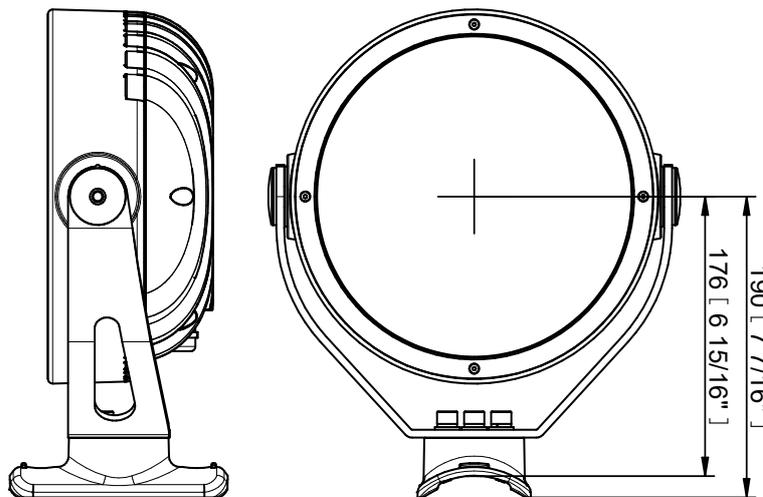|	Cable length (m)	Max. number of Calummas M SC= 191 (in Standard mode)			
		120 V	190 V	230 V	277 V
CALUMMA M SC	10 m	30	-	-	-
	20 m	30, 60	48	58	70
	30 m	21, 42, 63, 84, 105, ...	48, 96	58	70
	50 m	13, 26, 39, 52, 65, 78, 91...	32, 64, 96, 128, 158, 180...	47, 94, 141, 188...	68, 136
	70 m	9, 18, 27, 36, 45, 54, 63....	23, 46, 69, 92, 115...	34, 68, 102, 136...	49, 98, 147, 196..
	100 m	16, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102....	16, 32, 48, 64, 80, 96, 112, 128, 144...	24, 48, 72, 96, 120...	34, 68, 102, 136...
	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...	8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96....	12, 24, 48, 56, 64, 76, 88, 100...	17, 34, 51, 68, 85, 102
	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....	5, 10, 15, 20, 25, 30, 35, 40...	7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77...

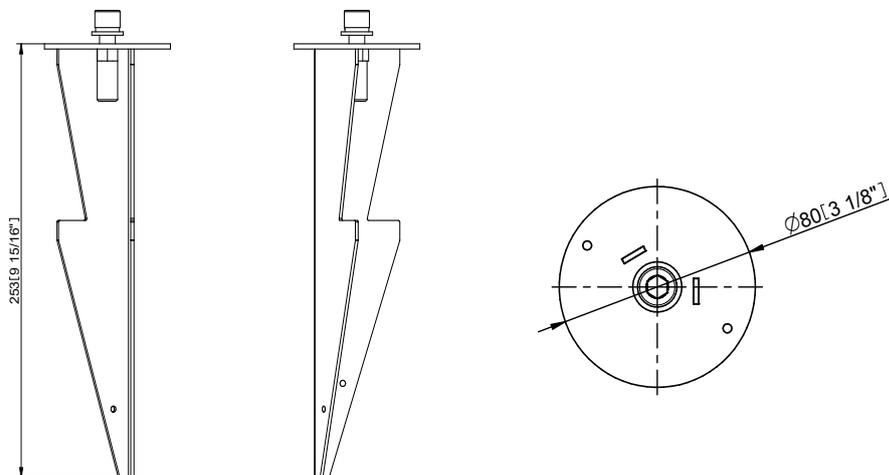**NOTE: For more detail see the User manual.**

DIMENSIONS

Standard Yoke

30 [1 3/16"]
6 [1/4"]
⌀ 13 [1/2"]
R 4.5 [3/16"]
45°
45.5 [1 13/16"]
R 4.5 [3/16"]

264 [10 7/16"]
⌀ 236 [9 5/16"]

106 [4 3/16"]
278 [10 15/16"]
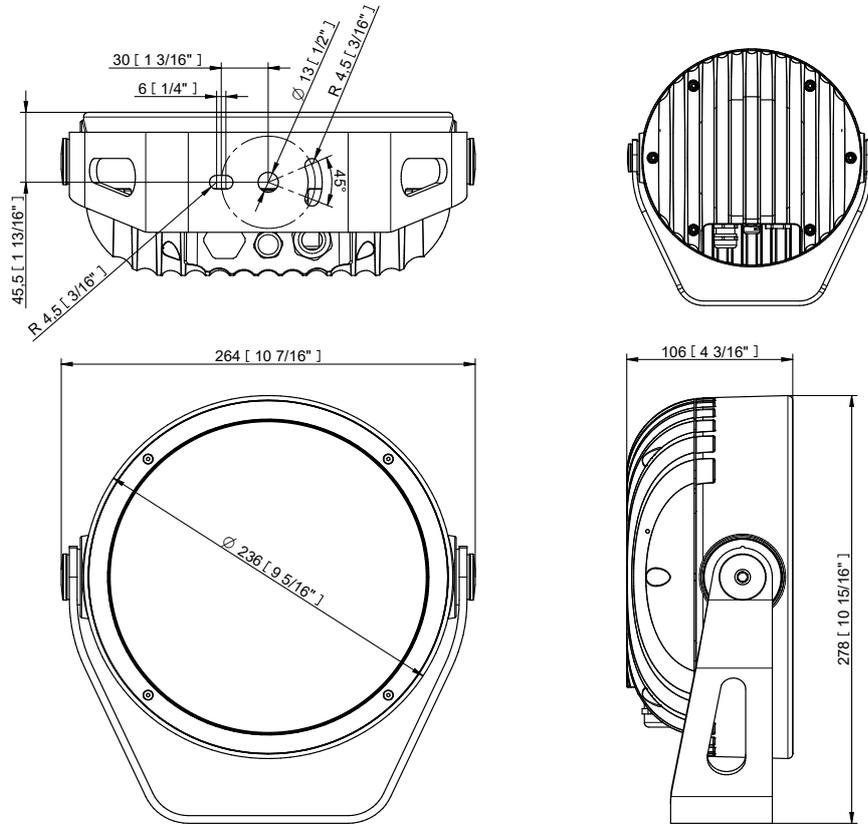
Yoke for Pole Adaptor (with Pole Adaptor / PA)

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

190 [7 7/16"]
176 [6 15/16"]

ACCESSORIES

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

253[9 15/16"]

Ø80[3 1/8"]

Top Hat

Ø229[9"]

124[4 7/8"]

Half Top Hat

Ø229[9"]

124[4 7/8"]
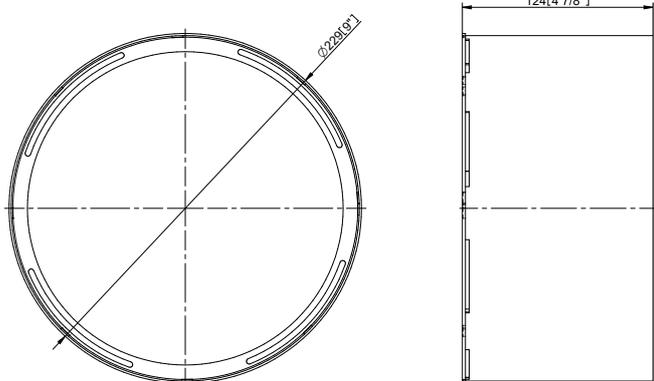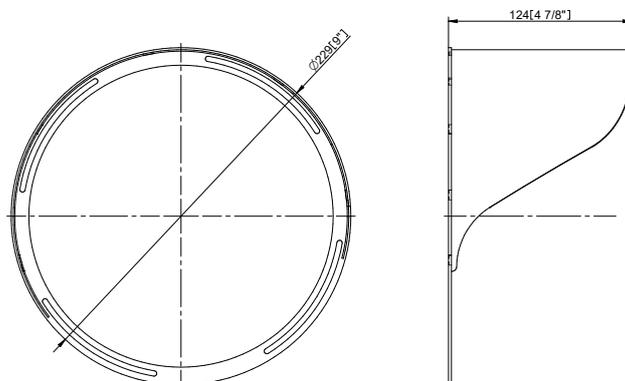
Floor Stand

Pole Adaptor (ø 102mm)

max. diameter cable ⌀=15,5 [5/8"]

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VERSION 1.3 / 03_2026

11