EMINERE® 1 / 2 / 3 / 4 MC

Eminere was designed by Anolis for a wide range of exterior and interior applications with a variety of lens options that can be used for flood lighting, wall grazing and accent lighting. Equipped with Anolis' colour mixing resolution ensures extra fine colour tuning as well as smooth dimming at low level of intensity. Designed in our state of the art R&D facility by industry experts, Eminere is IP67 rated and can withstand extreme conditions. Eminere is available in 1, 2, 3, and 4 foot sizes (300/600/900/1200 mm) with RGBW, RGBA or PureWhite multi-chips as standard and is easy to control, 1 pixel per foot. Eminere fixtures can be used for both permanent and temporary installations, including various architectural and architainment applications.

KEY FEATURES

Application Flexibility
Eminere's optics can be used for various applications including wall grazing, flood lighting, wide flood lighting, spot lighting and accent lighting.

Quick and Easy Installation
Plug & Play system means easy installation, fast adjustment and intuitive programming with self–addressing.

Naturally looking result
Full spectrum coverage by using RGBW colour mixing with precise wave lengths of each colour for modern architecture or specifically designed combination of RGBA to hightlight every single detail of historical buidings or monuments.

Durability
Eminere is rated IP67, suitable for wet locations and has a protection rating of IK06. Marine grade finish option also available for harsh environmental conditions (on request).

COLOURS

* UPON REQUEST

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

CONTROL & PROTOCOLS

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

STANDARD & SPECIFICATION

| IP67 | IK06 | CE | ETL us |

| ROHS | UKCA | 5 YEAR Warranty with Registration | Vibration Standard for Bridge |

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 |

COLOUR TEMPERATURE

* UPON REQUEST

| 3.000 K | 3.000 K - 6.500 K * |

OPTIC OPTIONS

SYMMETRICAL

| 12° | 15° | 25° | 30° |

| 45° | 65° | 100° |

BI-SYMMETRICAL

| 10°X30° | 10°X60° | 15°X45° | 15°X90° |

| 35°X60° | 30°X90° |

ASYMMETRICAL

Wallwasher

Anolis

SPECIFICATION

ELECTRICAL	Input Voltage	120–277 V AC 50/60 Hz			
	Typical Power Consumption	**Eminere MC 1 / 2 / 3 / 4 :** 25 W / 45 W / 65 W / 85 W			
OPTICAL	Light Source	**Eminere MC 1 / 2 / 3 / 4 :** 4, 8, 12, 16 x High Power Multi Chip LEDs			
	Colour Variants	RGBW (W - 6.500 K)		RGBA	PW (W - 3.000 K)
		Other Variants On Request (TW 3000–6500 K)			
	Beam Angle — Symmetrical	12° | 15° | 25° | 30° | 45° | 65° | 100°			
	Beam Angle — Bi-symmetrical	10°x30° | 10°x60° | 15°x45° | 15°x90° | 35°x60° | 30°x90°			
	Beam Angle — Asymetrical	Wallwasher			
	Lumen Output Delivered	**Eminere MC 1:** 938 lm, (12°, @RGBCW)		**Eminere MC 3:** 2814 lm, (12°, @RGBCW)	
		Eminere MC 2: 1876 lm, (12°, @RGBCW)		**Eminere MC 4:** 3752 lm, (12°, @RGBCW)	
	Projected Lumen Maintenance	L90B10 > 90.000 hrs, Ta = 25°C / 77°F			
CONTROL	Interface Protocol	Via E-Box range or Wireless DMX (excluding Eminere 1 MC) | DALI 2 (CE only)			
	E-Box Control Protocols	USITT DMX512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net			
	Wireless DMX (Option)	Lumen Radio CRMX Technology			
	Setting / Addressing	Via Two Row LCD Display with Control Buttons or RDM communicator			
	Power Supply	Integrated			
PHYSICAL	Width x Height x Length	**Eminere MC 1 / 2 / 3 / 4**	76 x 120 x 329 / 610 / 914 / 1219 mm 2.99 x 4.72 x 13 / 24 / 36 / 48 in.		
	Weight	2.7 kg | 6 lbs	4.2 kg | 9.3 lbs	6.22 kg | 13.7 lbs	7.9 kg | 17.4 lbs
	Housing	High Pressure Extruded Aluminium Body | End Caps - Die-Cast Aluminium | Tempered Glass			
	Finish Options — Standard Colour	Graphite Black RAL 9011 | Grey Aluminium RAL 9007 Pure White RAL 9010 | Sandstone RAL 1014			
	Finish Options — Standard Colour Harsh Environment	Graphite Black RAL 9011 | Grey Aluminium RAL 9007 Pure White RAL 9010 | Sandstone RAL 1014			
	Finish Options — Cost Option	Custom RAL			
	Cables / Connections	IP67 Hybrid Connection (Power + Data)			
	Mounting Method	Surface Mount With Different Type of Brackets			
	Adjustability	+/- 95°			
	Protection Factor	IP67 / Suitable For Wet Locations			
	IK Rating	IK06			
	Cooling System	Convection			
	Operating Ambient Temperature	-20°C / +40°C (-4°F / +104°F)			
	Operating Temperature	+67°C @ Ambient +40°C (+153°F @ Ambient +104°F)			
CERTIFICATION	Listings	ETL / cETL, CE, RoHS, UKCA			
ACCESSORIES	**Not Included Items**				
	Mounting Brackets	Mounting Brackets 50 | 100 | 200 | 300 mm | custom length			
		C-Clamp Adaptors for Eminere MC			
	Cable Covers	Cable Cover For Eminere MC 1 | 2 | 3 | 4			
	Shields	Shield (with or without side Covers) For Eminere MC 1 | 2 | 3 | 4			
	Optical Demo Set	Optical Demo Set For Eminere MC 1 | 2 | 3 | 4			
	Cables and Connectors	Field Installable Connector FF		Field Installable Connector FM	
		Cable CE WCA		Cable US WCA	
		Waterproof Cover Cap FM ZAHB-0006			
		CE/UL Leader Cables FF for Eminere - 2 | 5 | 10 | 25 | 50 m			
		CE/UL Jumper Cables FF/FM for Eminere - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m			
		Junction Box for Calumma S / Eminere			
	Booster Box	Booster Box			

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DIMENSIONS

306 [12 1/16"] / 443 [17 7/16"] / 747 [29 7/16"] / 1052 [41 7/16"]

R 4 [3/16"]

6 [1/4"]

329 [12 15/16"] / 610 [24"] / 914 [36"] / 1219 [48"]

120 [4 3/4"]

76 [3"]

95°   95°
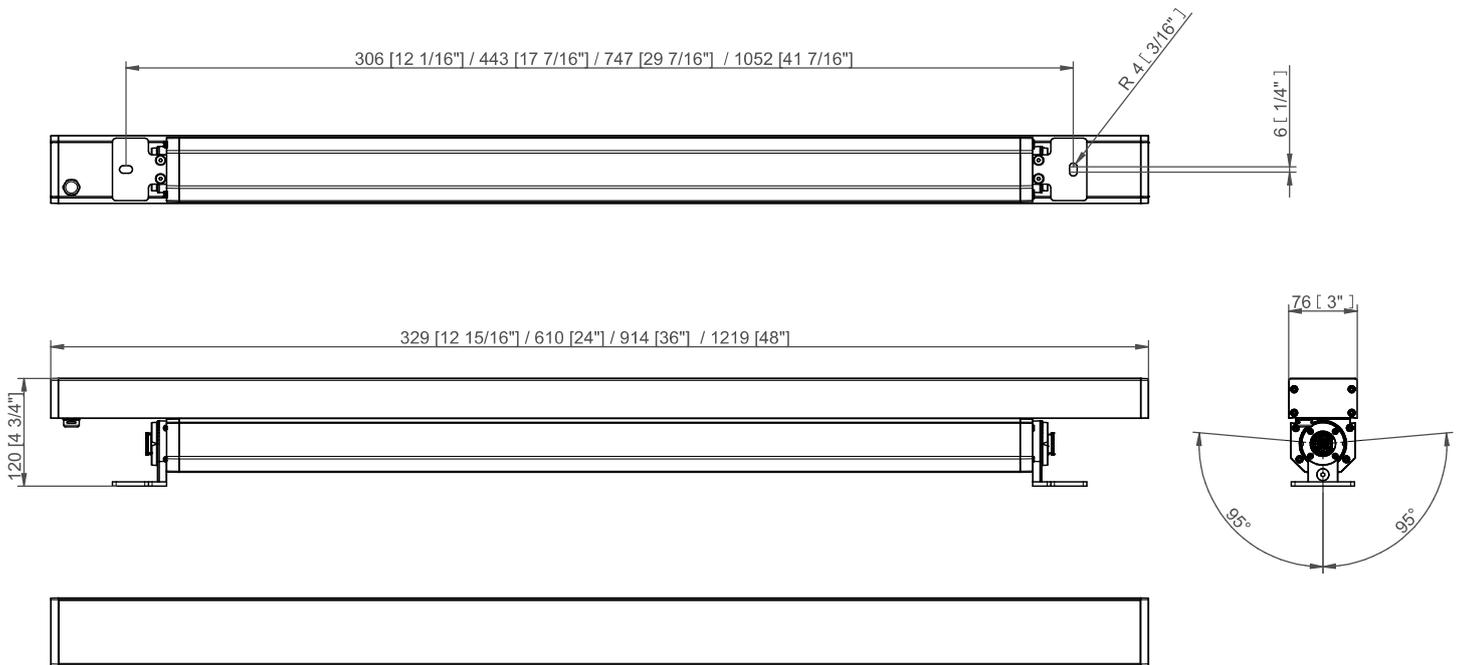
BI-SYMMETRICAL BEAM ANGLES

Bi-symmetrical: 10°x30°, 10°x60°, 15°x45°, 15°x90°, 35°x60°, 30°x90°

10°, 15°, 30°, 35°

30°, 45°, 60°, 90°

E-BOX SPECIFICATION

|		
ELECTRICAL	Input Voltage	120 – 277 V AC 50/60 Hz
CONTROL	Wireless DMX (Option)	Lumen Radio CRMX Technology
	Interface Protocol	**E-box Lite:** USITT DMX512, RDM
		E-box Daisy / Star: USITT DMX512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net
	Operating Modes	**E-box Lite / Daisy:** Fixture Mode, Pixel Mode, Output Mode
		E-Box Star: Total Mode, Fixture Mode, Pixel Mode, Output Mode
	Display	Via Two Row LCD Display with Control Buttons or RDM communicator
	Control System	E-box With Self Addressing Feature or Custom Setting Via LCD Display/RDM
	Power Supply	Integrated
	Connectivity	**E-box Lite** — 127 of Eminere 1 (@ 230 V and 30m cable) via 1 Output
		E-box Daisy — 127 of Eminere 1 (@ 230 V and 30m cable) via 1 Output
		E-box Star — 127 of Eminere 1 (@ 230 V and 30m cable) via 6 Outputs
PHYSICAL	Length x Width x Height	**E-box Lite** — 220 x 120 x 81 mm (8.66 x 4.72 x 3.18 in.)
		E-box Daisy — 260 x 160 x 91 mm (10.24 x 6.30 x 3.58 in.)
		E-box Star — 280 x 230 x 111 mm (11.02 x 9.06 x 4.37 in.)
	Weight	1.67 kg | 3.85 lbs / 2.78 kg | 6.13 lbs / 4.4 kg | 9.7 lbs
	Housing	Die-Cast Aluminium Case
	Finish Options	Standard Colour - Graphite Black (RAL 9011) | Silver (RAL 9006)
		Cost Option - Custom RAL | Harsh Environment (RAL 9016, RAL 9011)
	Cables / Connections	Cable Grommet (stainless steel)
	Mounting Method	Surface Mount , 4 Mounting Holes
	Protection Factor	IP67 / Suitable For Wet Locations
	IK Rating	IK10
	Cooling System	Convection
	Operating Ambient Temperature	-20 °C / +40 °C (-4 °F / +104 °F)
CERTIFICATION	Listings	ETL / cETL, CE, RoHS, UKCA

COMPARISON

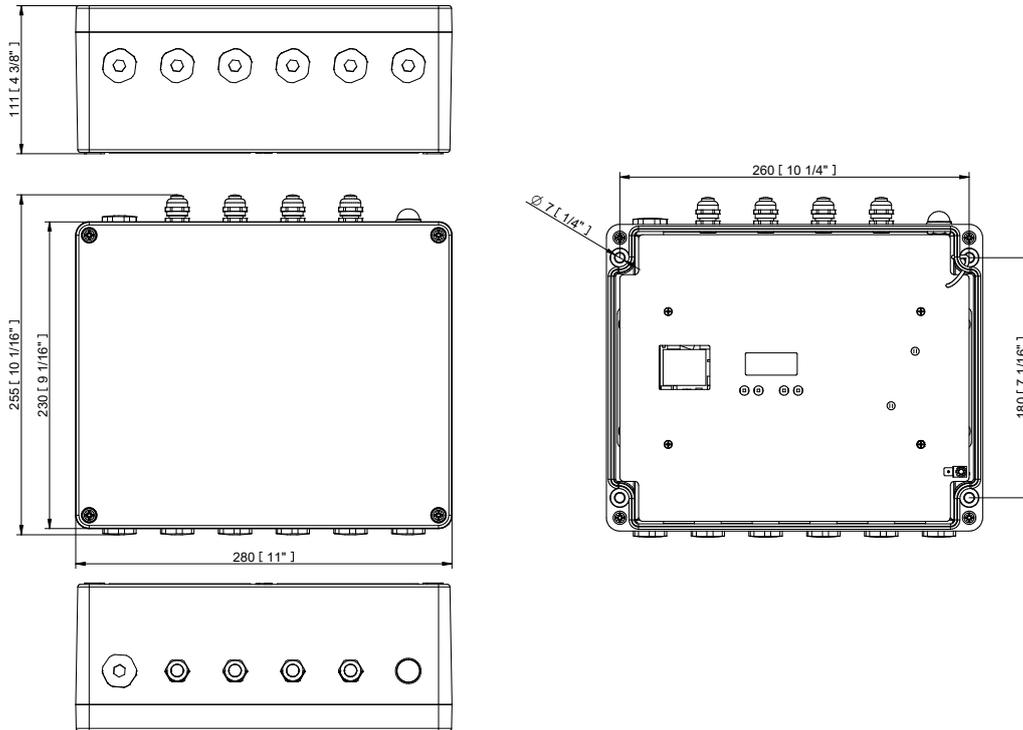|	E-BOX LITE	E-BOX DAISY	E-BOX STAR
Power input	1	1	1
Fixture Output	1	1	6
Total load (current)	16A	16A	16A
DMX control	YES	YES	YES
RDM	YES	YES	YES
Art-Net	NO	YES	YES
Ethernet switch	NO	YES	YES
Kling-Net	NO	YES	YES
sACN	NO	YES	YES
MA Net, MA Net2	NO	YES	YES

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E-BOX DIMENSIONS

E-BOX LITE
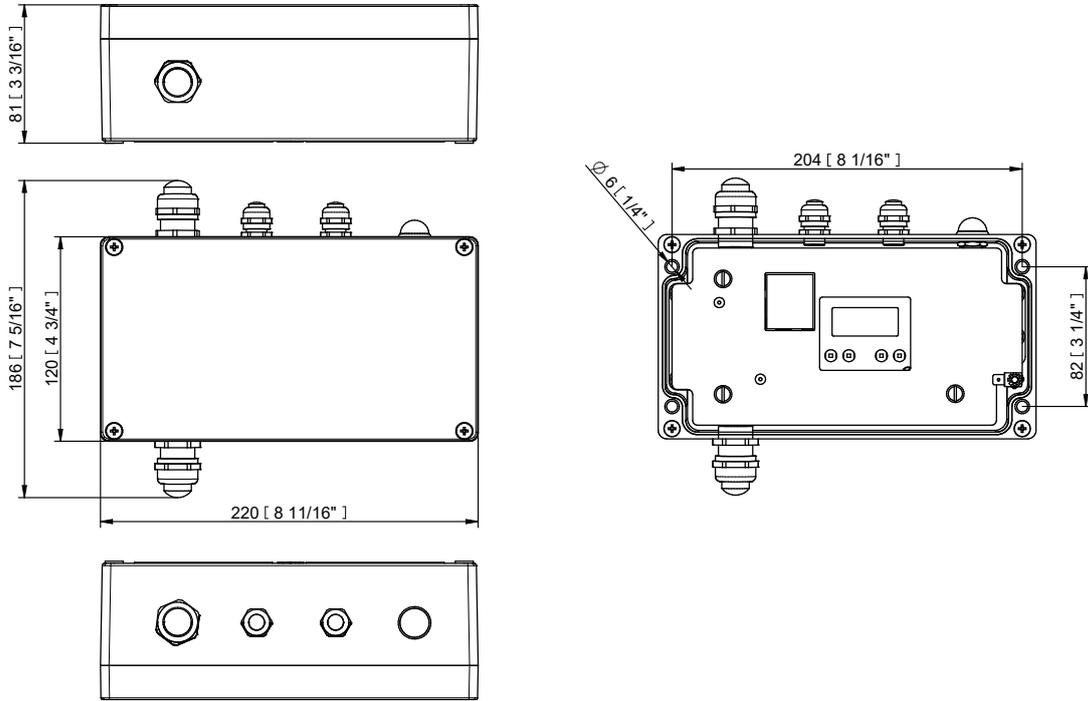
E-BOX DAISY
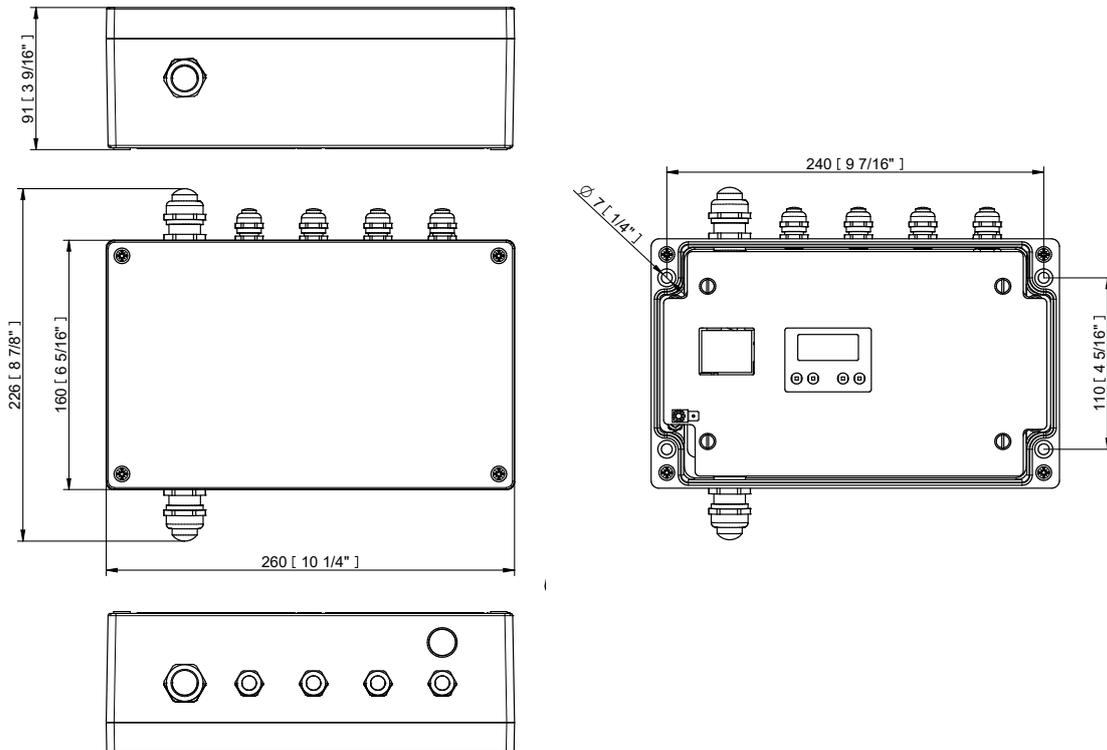
E-BOX STAR

CONNECTIVITY

The tables below state max. theoretical number of Emineres MC connected to the one LED output of the E-box without Booster boxes.
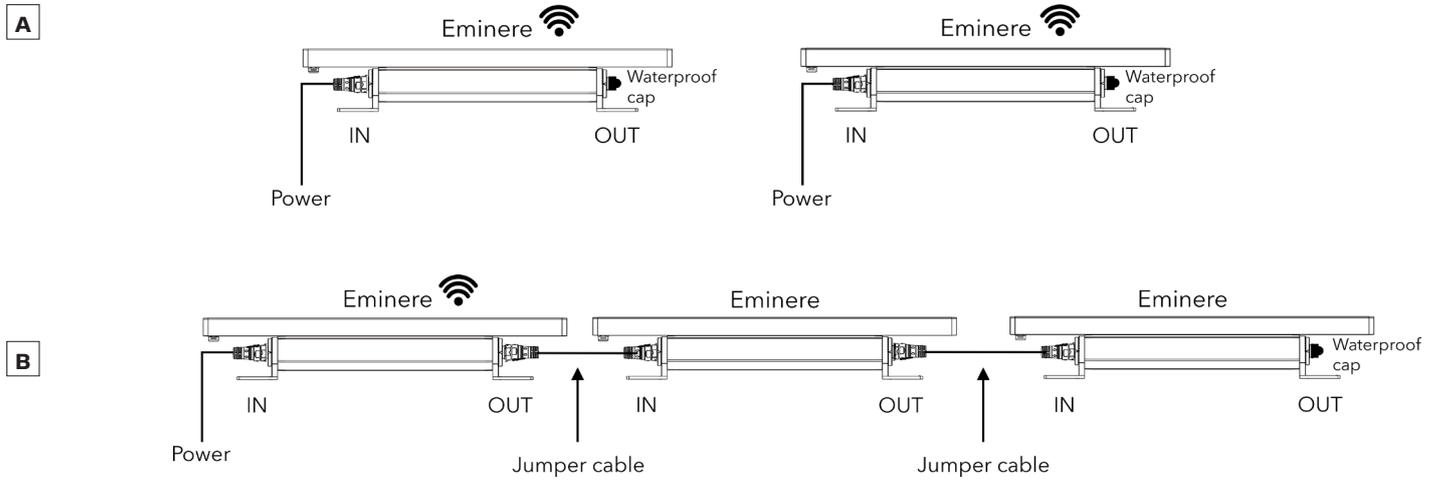
	Cable length (m)	Voltage (V)			
		120	190	230	277
EMINERE MC 1	10	66	104	127	152
	20	66	104	127	152
	30	46	104	127	152
	50	28	70	102	148
	70	20	50	73	106
	100	13	35	51	74
	200	7	17	25	37
EMINERE MC 2	10	36	56	69	83
	20	36	56	69	83
	30	24	56	69	83
	50	15	38	56	80
	70	10	27	40	57
	100	9	18	28	40
	200	3	9	16	20

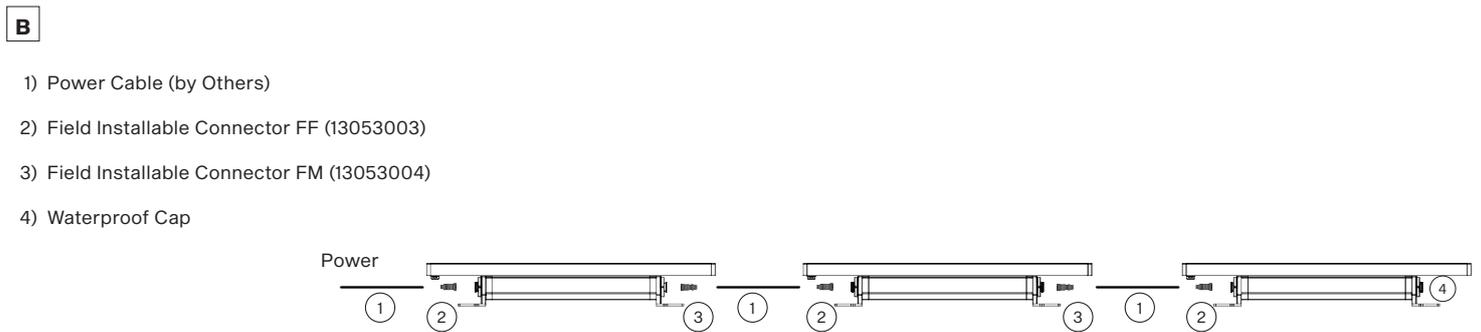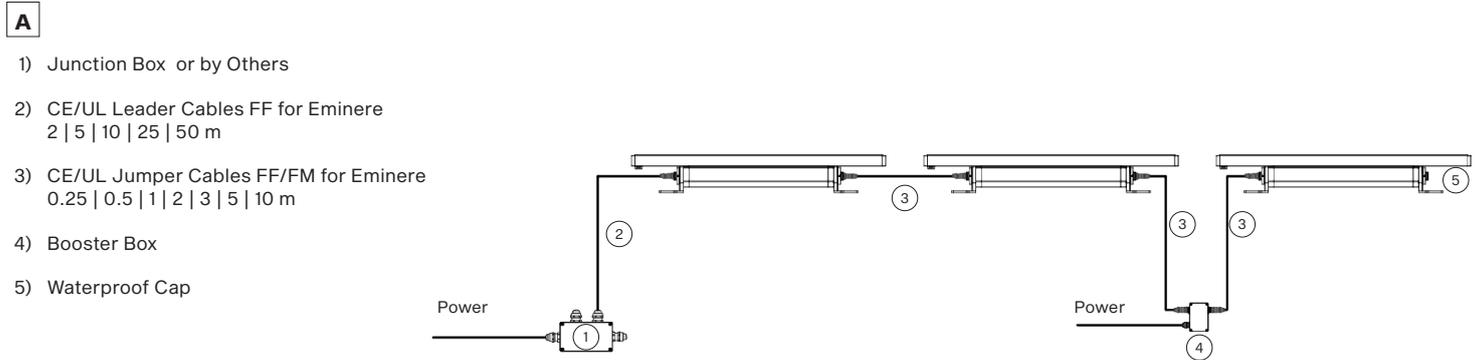|	Cable length (m)	Voltage (V)			
		120	190	230	277
EMINERE MC 3	10	25	40	48	59
	20	25	40	48	59
	30	17	40	48	59
	50	11	26	39	57
	70	7	19	28	40
	100	5	13	19	28
	200	2	6	10	14
EMINERE MC 4	10	19	31	37	45
	20	19	31	37	45
	30	14	31	37	45
	50	8	20	30	44
	70	5	15	21	35
	100	3	10	15	21
	200	1	4	7	11
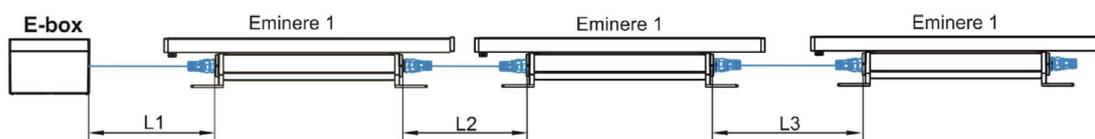
Note: Cable length is a total cable length between E-box and last connected Eminere. Example: Total cable length=L1+L2+L3.
For more information see User Manual.
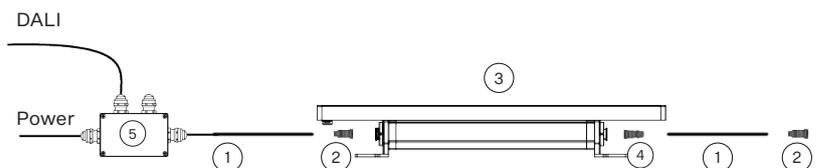
CONNECTION - WIRELESS VERSION

A

Eminere 📶
Waterproof cap
IN   OUT
Power

Eminere 📶
Waterproof cap
IN   OUT
Power

B

Eminere 📶
IN   OUT
Power
Jumper cable

Eminere
IN   OUT
Jumper cable

Eminere
Waterproof cap
IN   OUT

CONNECTION - ON / OFF VERSION

A

1) Junction Box or by Others

2) CE/UL Leader Cables FF for Eminere
   2 | 5 | 10 | 25 | 50 m

3) CE/UL Jumper Cables FF/FM for Eminere
   0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m

4) Booster Box

5) Waterproof Cap

Power
Power

B

1) Power Cable (by Others)

2) Field Installable Connector FF (13053003)

3) Field Installable Connector FM (13053004)

4) Waterproof Cap

Power

CONNECTION - DALI VERSION (CE)

1) Hybrid Cable (13053693) Standard with bare-end

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

3) Eminere DALI with Panel Connector MM (13053975) &
   Panel Connector MF (13053974)

4) Field Installable Connector FM DC-05 (13053973)

5) Junction Box

DALI
Power

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

CONNECTION - DALI VERSION (US)

1) SJTW 5x14 AWG (13053693), Standard with bare-end, black
   or on request Cable SJTW 5x14 AWG (13053697), with bare-end, white

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

3) Eminere DALI with Panel Connector MM (13053975)
   & Panel Connector MF (13053974)

4) Field Installable Connector FM DC-05 (13053973)

5) Junction Box

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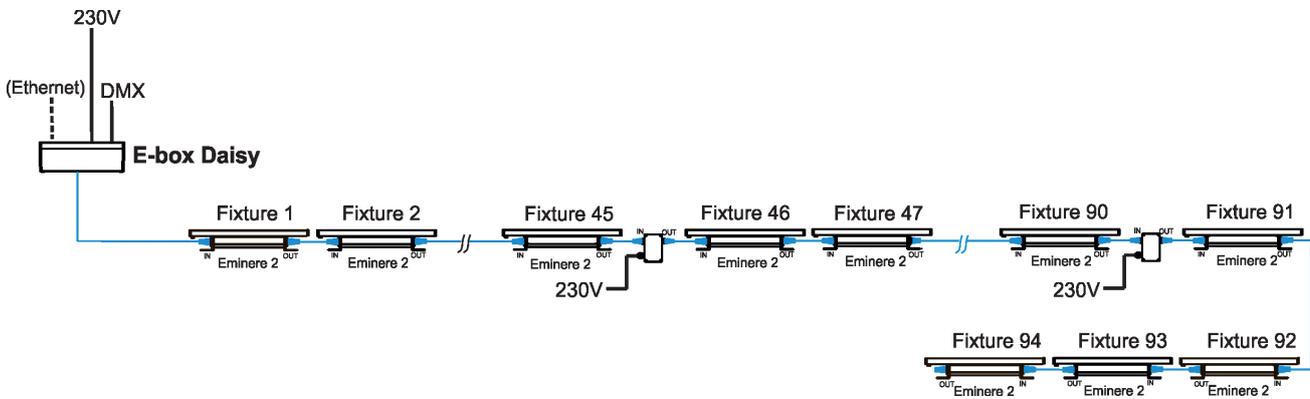Cap to protect the IP rating.**

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

1) Leader Cables FF for Eminere - 2 | 5 | 10 | 25 | 50 m

2) Jumper Cables FF/FM for Eminere - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m

3) Junction Box for Calumma S / Eminere (10981268 for RAL9011)

4) Flamar 3x16 AWG + 1x(2x24 AWG) - (13051508), Standard 1 m with bare-end, black
   or Hybrid Cable 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.**

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

1) Leader Cables FF for Eminere - 2 | 5 | 10 | 25 | 50 m

2) Jumper Cables FF/FM for Eminere - 0.25 | 0.5 | 1 | 2 | 3 | 5 | 10 m

3) Junction Box for Calumma S / Eminere (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.**

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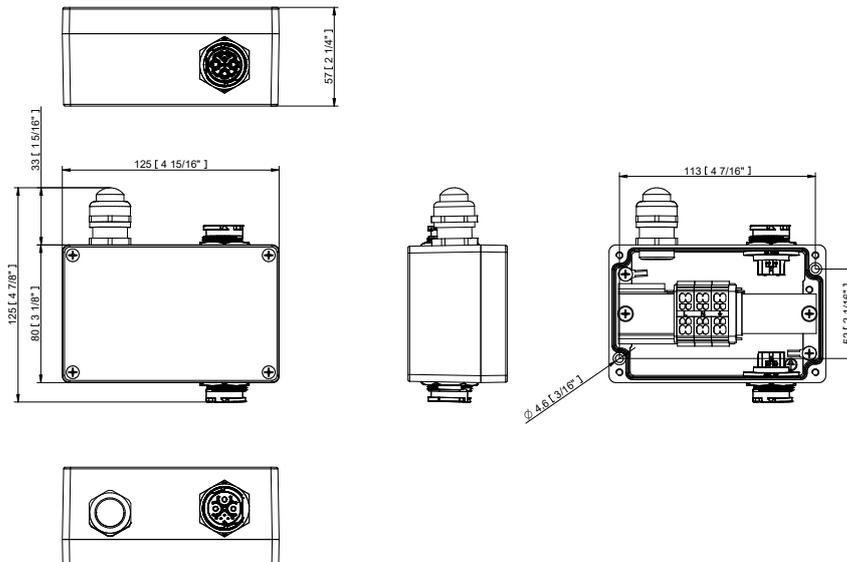
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THE BOOSTER BOX

To compensate a voltage drop in a large installation, the Booster boxes have to be connected in the chain of Eminere modules.
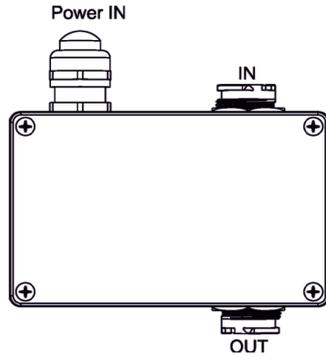
Example: E-box Daisy, Power supply= 230V, Cable length=70m, fixture=Eminere 2.
The Booster box has to be connected after every 45th Eminere 2 (fixture 45 and fixture 90) from 94 fixtures.
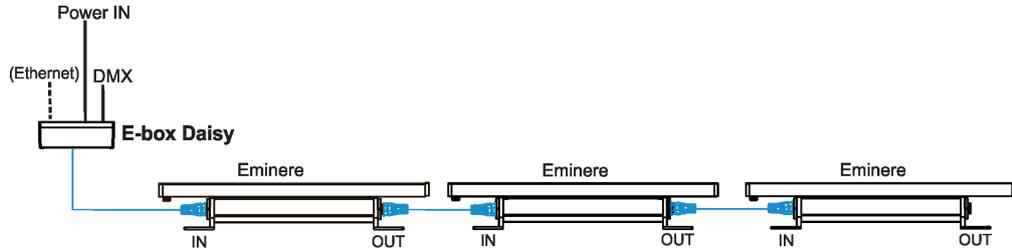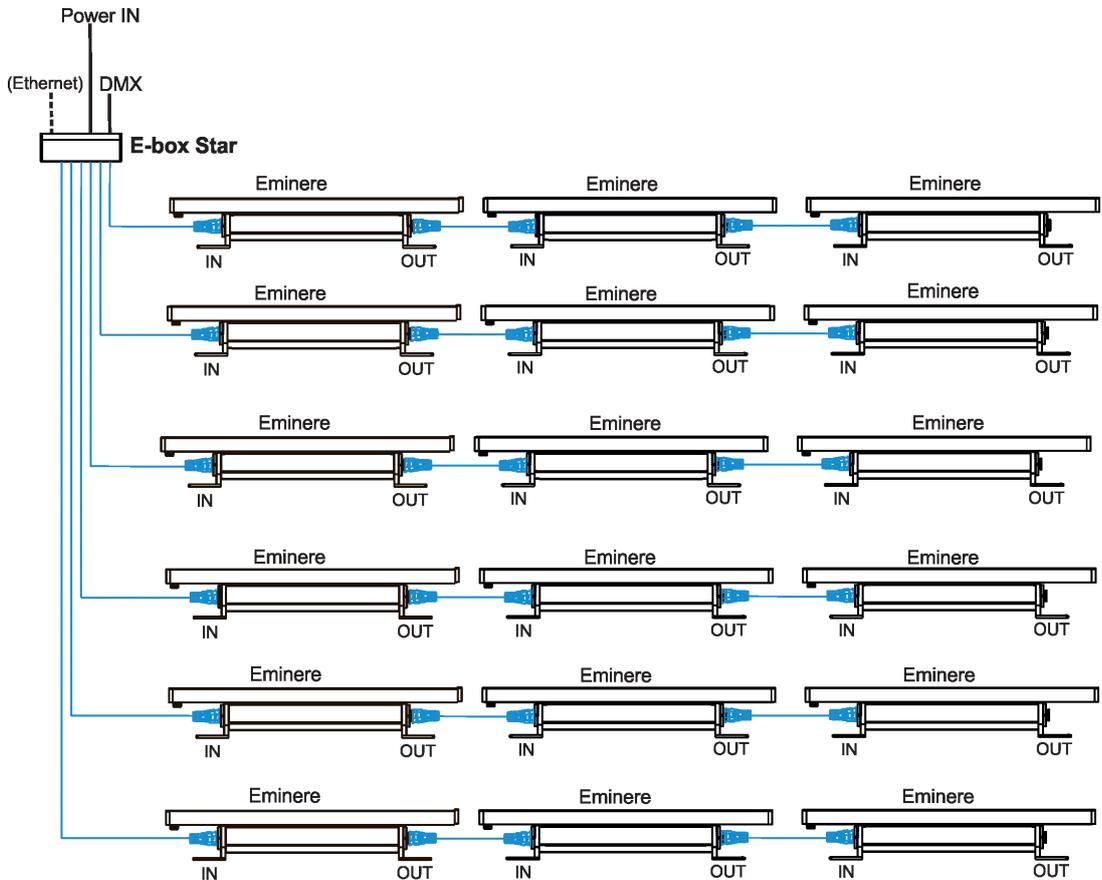

DIMENSIONS OF BOOSTER BOX

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CONNECTION

E-BOX LITE / DAISY

Power IN

(Ethernet) DMX

E-box Daisy

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

E-BOX STAR

Power IN

(Ethernet) DMX

E-box Star

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

Eminere   Eminere   Eminere

IN   OUT   IN   OUT   IN   OUT

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CABLES

Leader Cable

For connecting E-Box with first Eminere. Comes with Waterproof End Cap which has to be installed to the last Eminere´s output connector.
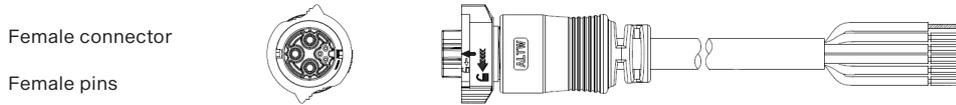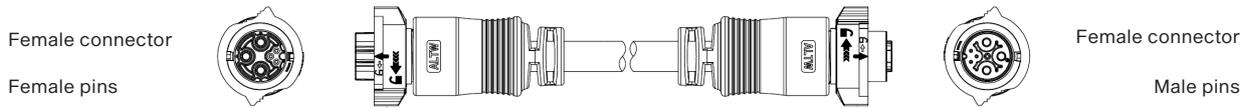
Female connector

Female pins

Jumper Cable

For connection between two Emineres.

NOTE: Custom length of Jumper cable depends on the distance between two Eminere luminaires (length includes cable and connectors).
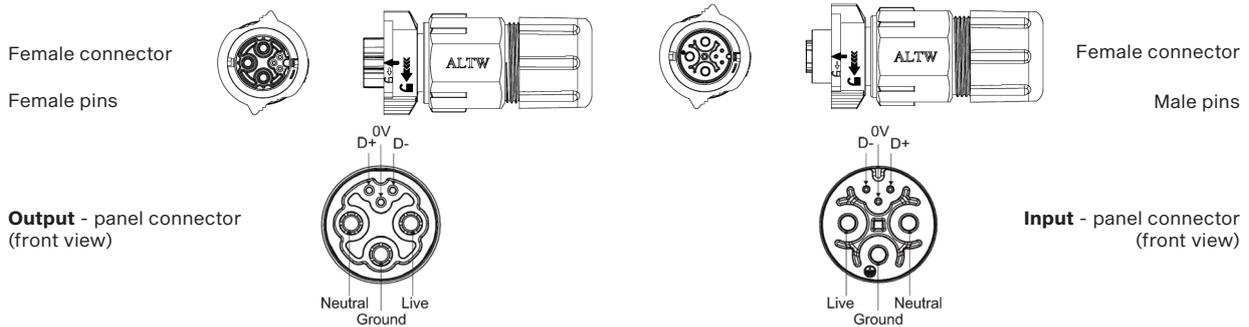
Female connector

Female pins

Female connector

Male pins

Field installable connector

For special cases, where Jumper Cable can´t be used. Then use Leader Cable with Field installable connector to make a connection between Emineres.

Female connector

Female pins

Female connector

Male pins
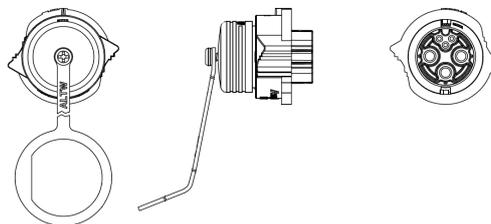
Output - panel connector
(front view)

0V
D+   D-

Neutral   Live
Ground

Input - panel connector
(front view)

0V
D-   D+

Live   Neutral
Ground

Waterproof End Cap

Install at the end of line to the last Emineres output connector.

Cable lengths available

IN METRES	LEADER CABLE	JUMPER CABLE
0,25	–	YES
0,5	–	YES
1	–	YES
2	YES	YES
3	–	YES

IN METRES	LEADER CABLE	JUMPER CABLE
5	YES	YES
10	YES	YES
25	YES	–
50	YES	–
Other lengths	On Request	

BOOSTER BOX POSITIONS

Cable length (m)	Max. number of Emineres 1 = 191 (in Standard mode)			
	120 V	**190 V**	**230 V**	**277 V**
10 m	66,132	104	127	-
20 m	66,132	104	127	-
30 m	46,92,138	104	127	-
50 m	28,56,84,112,140	70,140	102	148
70 m	20,40,60,80,100,120,140	50,100,150	73,146	106
100 m	13,26,39,52,65,78,91,104,117,130,143	35,70,105,140	51,102	74,148
200 m	7,14,21,28,35,42,49,56,63,70,77, 84,91,98,105,112, 119,126,133,140,147	17,34,51,68,85, 102,119,136	25,50,75,100,125,150	37,74,111,148

(EMINERE 1 spans the left label column for all rows.)

NOTE: For more detail see the User manual.

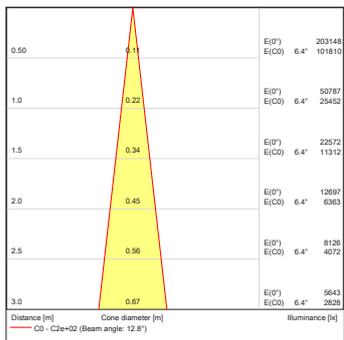## PHOTOMETRIC OVERVIEW

Based on RGBCW version, all leds @ full

	Lumen Output (lm)			
	EMINERE MC 1	**EMINERE MC 2**	**EMINERE MC 3**	**EMINERE MC 4**
12°	938	1876	2814	3752
15°	868	1736	2604	3472
25°	870	1739	2609	3478
35°	871	1741	2612	3482
45°	865	1729	2594	3458
65°	996	1728	2592	3456
100°	837	1673	2510	3346
10° x 30°	871	1741	2612	3482
10° x 60°	853	1705	2558	3410
15° x 45°	876	1752	2628	3504
15° x 90°	864	1727	2591	3454
30° x 90°	846	1691	2537	3382
35° x60°	860	1719	2579	3438

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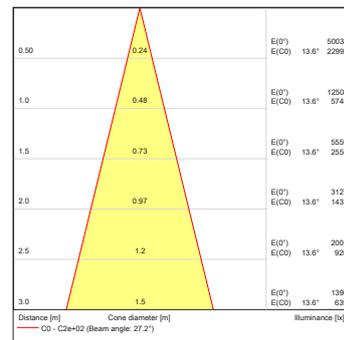
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PHOTOMETRIC DATA

Eminere MC 4 RGBCW 12dg

3752 lm

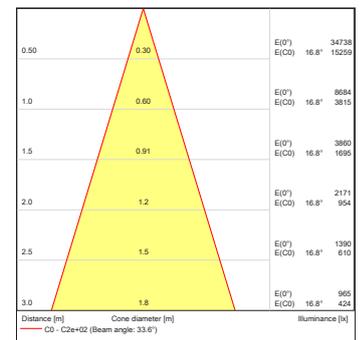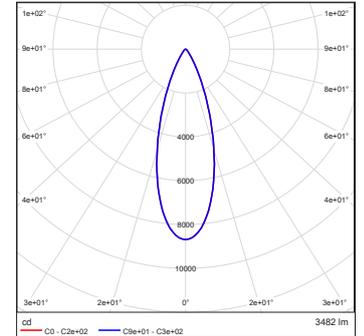| Distance [m]	Cone diameter [m]	Illuminance [lx]		
0.50	0.11	E(0°)		203148
		E(C0)	6.4°	101810
1.0	0.22	E(0°)		50787
		E(C0)	6.4°	25452
1.5	0.34	E(0°)		22572
		E(C0)	6.4°	11312
2.0	0.45	E(0°)		12697
		E(C0)	6.4°	6363
2.5	0.56	E(0°)		8126
		E(C0)	6.4°	4072
3.0	0.67	E(0°)		5643
		E(C0)	6.4°	2828

C0 - C2e+02 (Beam angle: 12.8°)

Eminere MC 4 RGBCW 15dg

3472 lm

Distance [m]	Cone diameter [m]	Illuminance [lx]		
0.50	0.16	E(0°)		103911
		E(C0)	8.8°	50693
1.0	0.31	E(0°)		25978
		E(C0)	8.8°	12673
1.5	0.46	E(0°)		11546
		E(C0)	8.8°	5633
2.0	0.62	E(0°)		6494
		E(C0)	8.8°	3168
2.5	0.77	E(0°)		4156
		E(C0)	8.8°	2028
3.0	0.93	E(0°)		2886
		E(C0)	8.8°	1408

C0 - C2e+02 (Beam angle: 17.6°)

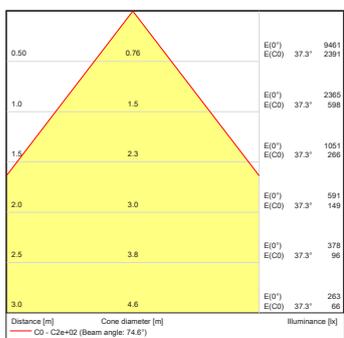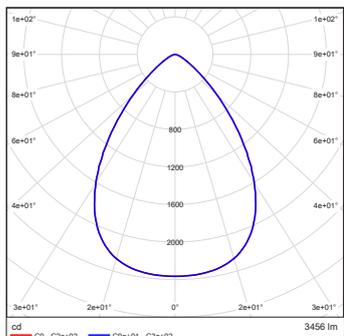### Eminere MC 4 RGBCW 25dg

3478 lm

Distance [m]	Cone diameter [m]	Illuminance [lx]		
0.50	0.24	E(0°)		50033
		E(C0)	13.6°	22992
1.0	0.48	E(0°)		12508
		E(C0)	13.6°	5748
1.5	0.73	E(0°)		5559
		E(C0)	13.6°	2555
2.0	0.97	E(0°)		3127
		E(C0)	13.6°	1437
2.5	1.2	E(0°)		2001
		E(C0)	13.6°	920
3.0	1.5	E(0°)		1390
		E(C0)	13.6°	639

C0 - C2e+02 (Beam angle: 27.2°)

Eminere MC 4 RGBCW 35dg

3482 lm

Distance [m]	Cone diameter [m]	Illuminance [lx]		
0.50	0.30	E(0°)		34738
		E(C0)	16.8°	15259
1.0	0.60	E(0°)		8684
		E(C0)	16.8°	3815
1.5	0.91	E(0°)		3860
		E(C0)	16.8°	1695
2.0	1.2	E(0°)		2171
		E(C0)	16.8°	954
2.5	1.5	E(0°)		1390
		E(C0)	16.8°	610
3.0	1.8	E(0°)		965
		E(C0)	16.8°	424

C0 - C2e+02 (Beam angle: 33.6°)

Eminere MC 4 RGBCW 65dg

3456 lm

Distance [m]	Cone diameter [m]	Illuminance [lx]		
0.50	0.76	E(0°)		9461
		E(C0)	37.3°	2391
1.0	1.5	E(0°)		2365
		E(C0)	37.3°	598
1.5	2.3	E(0°)		1051
		E(C0)	37.3°	266
2.0	3.0	E(0°)		591
		E(C0)	37.3°	149
2.5	3.8	E(0°)		378
		E(C0)	37.3°	96
3.0	4.6	E(0°)		263
		E(C0)	37.3°	66

C0 - C2e+02 (Beam angle: 74.6°)

Eminere MC 4 RGBCW 100dg

3346 lm

Distance [m]	Cone diameter [m]	Illuminance [lx]		
0.50	1.1	E(0°)		6559
		E(C0)	47.1°	1037
1.0	2.2	E(0°)		1640
		E(C0)	47.1°	259
1.5	3.2	E(0°)		729
		E(C0)	47.1°	115
2.0	4.3	E(0°)		410
		E(C0)	47.1°	65
2.5	5.4	E(0°)		262
		E(C0)	47.1°	41
3.0	6.5	E(0°)		182
		E(C0)	47.1°	29

C0 - C2e+02 (Beam angle: 94.2°)

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

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PHOTOMETRIC DATA

Eminere MC 4 RGBCW
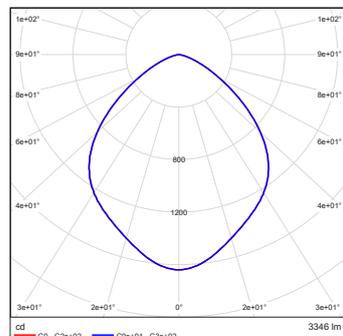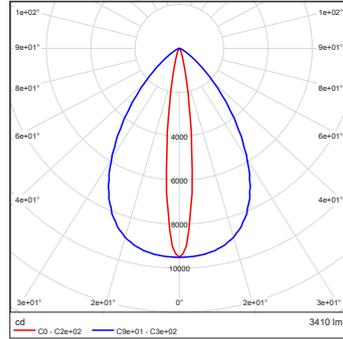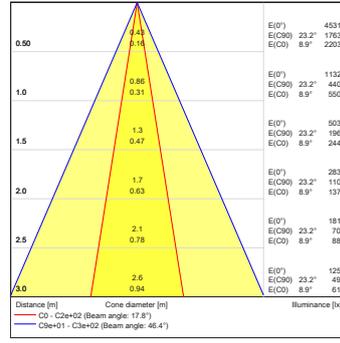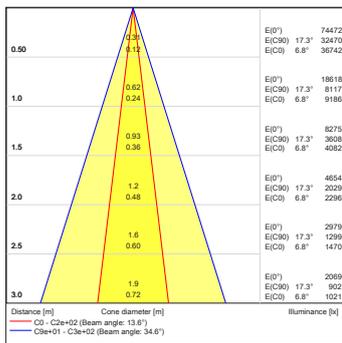**10dg x 30dg**

Eminere MC 4 RGBCW
10dg x 60dg

Eminere MC 4 RGBCW
15dg x 45dg
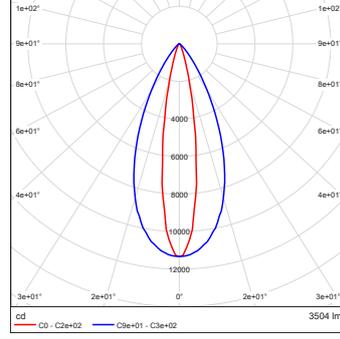
Eminere MC 4 RGBCW
15dg x 90dg
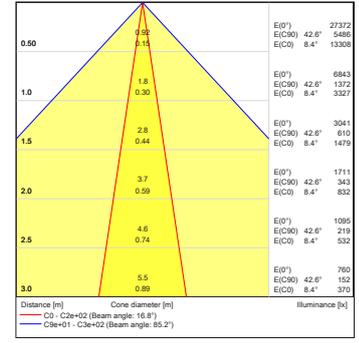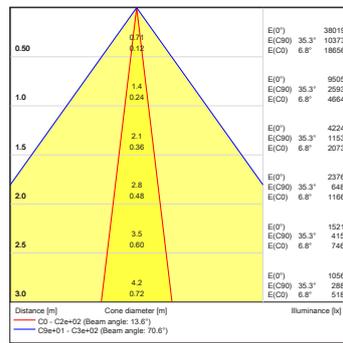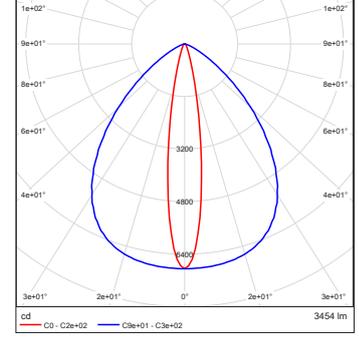
Eminere MC 4 RGBCW
30dg x 90dg

Eminere MC 4 RGBCW
35dg x 60dg

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