

EMINERE® 1 / 2 / 3 / 4

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, wall washing and accent lighting. Equipped with Anolis' unique 18-bit 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 single 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 archtainment applications.



KEY FEATURES

Application Flexibility

Eminere's optics can be used for various applications including wall grazing, flood lighting, wall washing, 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 highlight every single detail of historical buildings or monuments. Output up to 1.147 lm (RGBW) or 1.652 lm (PW) per one foot of Eminere.

Durability

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

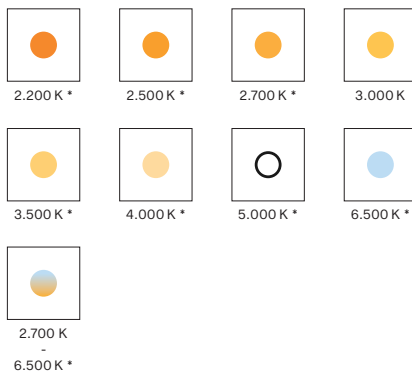
COLOURS

* UPON REQUEST

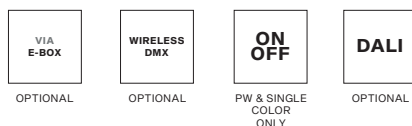


COLOUR TEMPERATURE

* UPON REQUEST



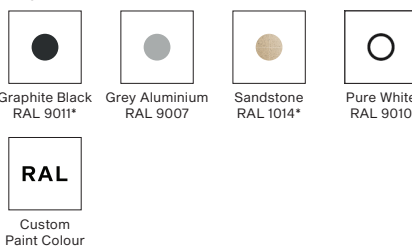
CONTROL & PROTOCOLS



FINISH OPTIONS

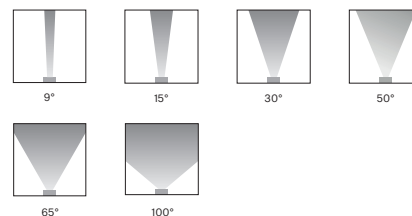
* CLOSEST RAL TONE

All standard finish options are available in a harsh environment finish.

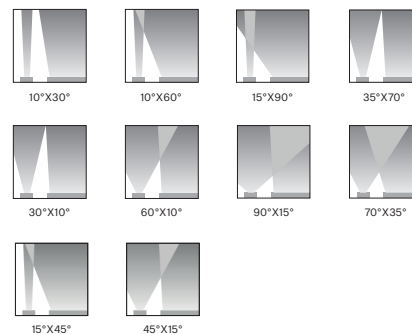


OPTIC OPTIONS

SYMMETRICAL



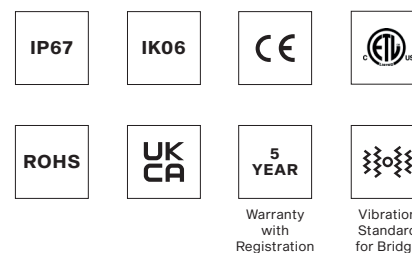
BI-SYMMETRICAL



ASYMMETRICAL



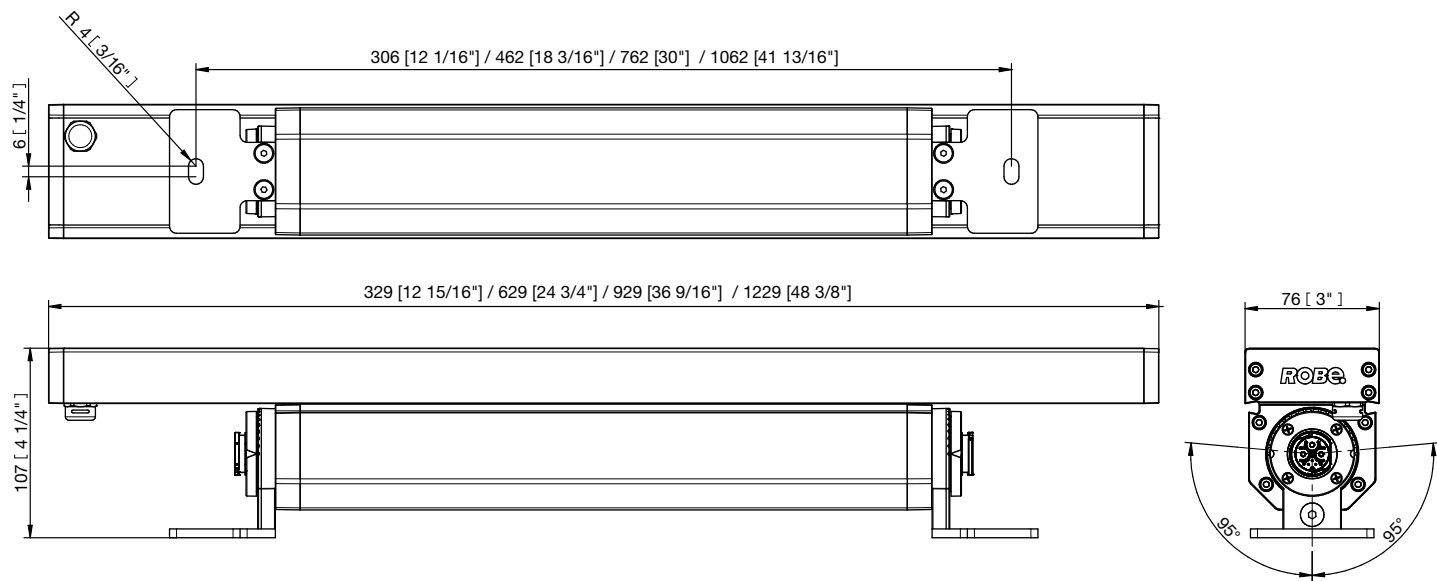
STANDARD & SPECIFICATION



SPECIFICATION

ELECTRICAL	Input Voltage	120 - 277 V AC 50/60 Hz		
	Typical Power Consumption	Eminere 1 / 2 / 3 / 4 : 25 W / 45 W / 65 W / 85 W		
OPTICAL	Light Source	Eminere 1 / 2 / 3 / 4 : 12, 24, 36, 48 x High Power Single Chip LEDs		
	Colour Variants	RGBW (W - 6.500 K)		PW (W - 3.000 K)
		Variants On Request: TW (2700 - 6500 K) 2.200 K 2.500 K 2.700 K 3.500 K 4.000 K 5.000 K 6.500 K		
	Beam Angle	Symmetrical:	9° 15° 30° 50° 65° 100°	
		Bi-symmetrical:	10°x30° 30°x10° 10°x60° 60°x10° 35°x70° 70°x35° 15°x90° 90°x15° 15°x45° 45°x15°	
		Asymmetrical:	Wallwasher Wide Wallwasher	
	Lumen Output Delivered	Eminere 1: 1.147 lm, RGBW @ 9°		Eminere 3: 3.441 lm, RGBW @ 9°
		Eminere 2: 2.294 lm, RGBW @ 9°		Eminere 4: 4.588 lm, RGBW @ 9°
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F			
CONTROL	Interface Protocol	Via E-Box range, Wireless DMX (excluded Eminere 1), ON/OFF (PW & single color only, No dimming) or 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		
	Operating Modes	Pixel (12 LEDs/300mm) or Fixture mode		
	Setting / Addressing	Via Two Row LCD Display with Control Buttons or RDM communicator		
	Power Supply	Integrated		
	Connectivity	E-box Lite 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	Width x Height x Length Weight	Eminere 1 / 2 / 3 / 4	76 x 107 x 329 / 629 / 929 / 1229 mm 2.99 x 3.58 x 12.95 / 24.76 / 36.57 / 48.38 in.	2.5 kg (5.5 lbs) / 4.0 kg (8.82 lbs) / 6.02 kg (13.27 lbs) / 9.4 kg (20.7 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	
		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	IP67 Hybrid Connection (Power + Data)		
	Mounting Method	Surface Mount With Different Type of Brackets		
	Adjustability	+/- 95°		
	Protection Factor IK Rating	IP67 / Suitable For Wet Locations IK06		
	Cooling System	Convection		
	Operating Ambient Temperature	-20 °C / +50 °C (-4 °F / +122 °F)		
	Operating Temperature	+67 °C @ Ambient +50 °C (+153 °F @ Ambient +122 °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 Adaptor For Eminere 1 2 3 4		
	Cable Covers	Cable Cover For Eminere 1 2 3 4		
	Shields	Shield For Eminere 1 2 3 4		
	Optical Demo Set	Optical Demo Set For Eminere 1 2 3 4		
	Barndoor	Barndoor (with or without Side Covers) for Eminere 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 FF 2 5 10 25 50 m		
		CE/UL Jumper Cables FF/FM for Eminere FF/FM 0,25 0,5 1 2 3 5 10 m		
		Junction box for Calumma S / Eminere (CE or US)		
	Booster Box	Booster Box		

DIMENSIONS



PROJECTED AREA

	Front (rear) - m²	Front (rear) ft²	Side - m²	Side - ft²	Top - m²	Top - ft²
Eminere 1 with Shield with cable cover	0,028 0,049 0,032	0,301 0,527 0,344	0,007 - -	0,075 - -	0,025 0,026 0,026	0,269 0,280 0,280
Eminere 2 with Shield with cable cover	0,045 0,093 0,060	0,484 1,001 0,646	0,007 - -	0,075 - -	0,048 0,049 0,049	0,516 0,527 0,527
Eminere 3 with Shield with cable cover	0,072 0,135 0,087	0,775 1,452 0,936	0,007 - -	0,075 - -	0,071 0,073 0,073	0,764 0,785 0,785
Eminere 4 with Shield with cable cover	0,100 0,178 0,115	1,076 1,915 1,237	0,007 - -	0,075 - -	0,094 0,096 0,096	1,011 1,033 1,033

PHOTOMETRIC OVERVIEW

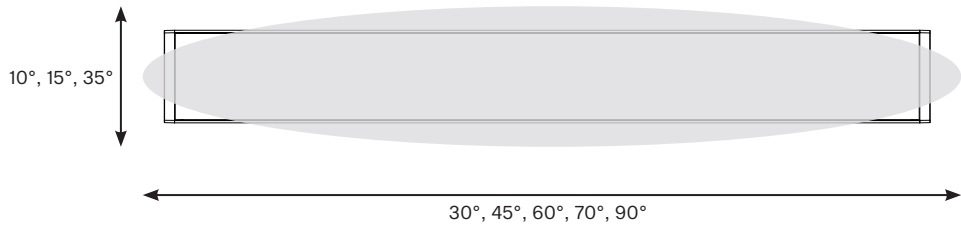
Based on RGBW version, all leds @ full

Lumen Output (lm)

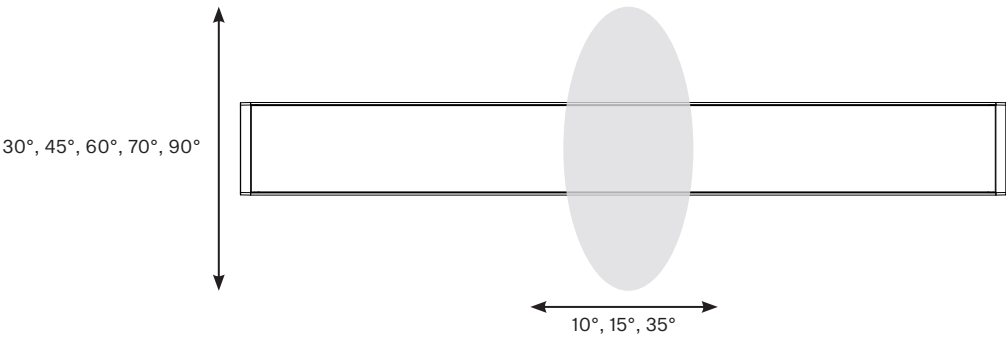
	EMINERE 1	EMINERE 2	EMINERE 3	EMINERE 4
9°	1147	2 294	3 441	4 588
15°	978	1 956	2 910	3 912
30°	1 046	2 092	3 138	4 184
50°	1 039	2 078	3 117	4 156
65°	1 040	2 080	3 120	4 160
100°	996	1 992	2 988	3 984
10° x 30°	1 032	2 064	3 096	4 128
10° x 60°	1 051	1 874	2 811	3 748
15° x 45°	1 060	2 120	3 180	4 240
15° x 90°	970	1 940	2 934	3 880
35° x 70°	1 040	2 080	3 120	4 160
WallWasher	952	1 904	2 856	3 806
Wide WallWasher	854	1 708	2 562	3 416

BI-SYMMETRICAL BEAM ANGLES

Bi-symmetrical: 10°x30°, 10°x60°, 35°x70°, 15°x90°, 15°x45°



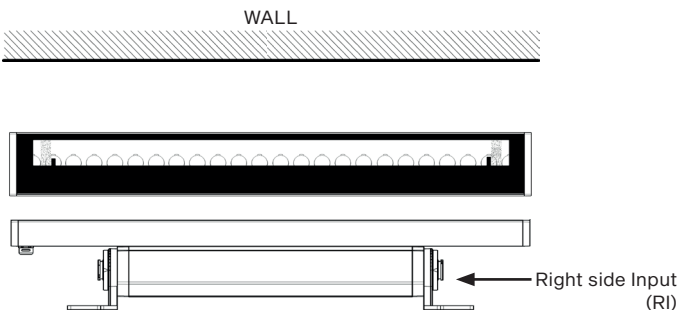
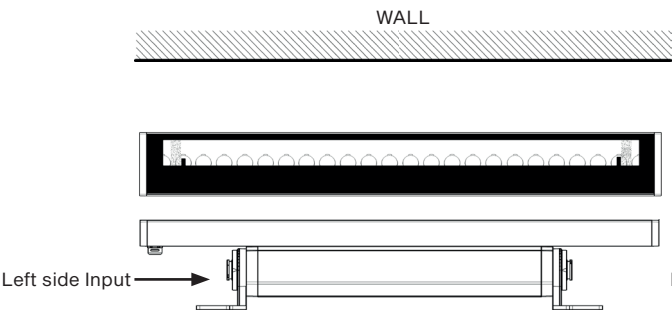
Bi-symmetrical: 30°x10°, 60°x10°, 70°x35°, 90°x15°, 45°x15°



EMINERE WALLWASHER INPUT OPTIONS

STANDARD

UPON REQUEST

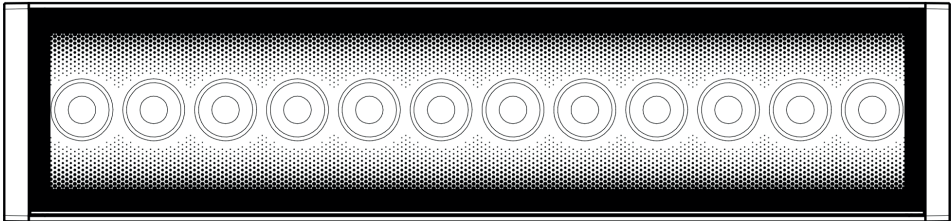


COLOUR MIXING PRINTS

- STAND ALONE

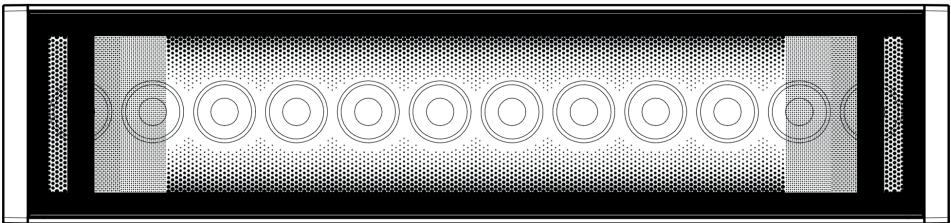
Specially designed glass printing to achieve optimal colour mixing and intensity distribution.
- HEAD2HEAD

Fixtures without special end glass print installed right next to each other create absolutely perfect colour and intensity overlap.

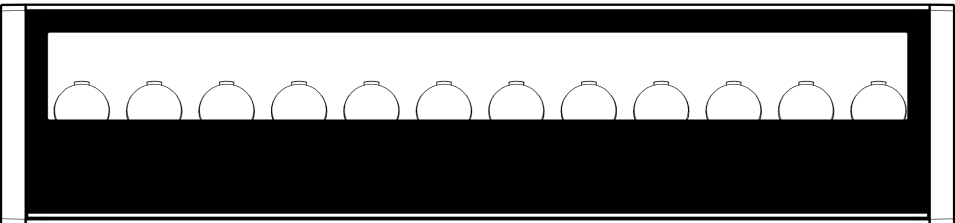


HEAD2HEAD

SYMMETRICAL

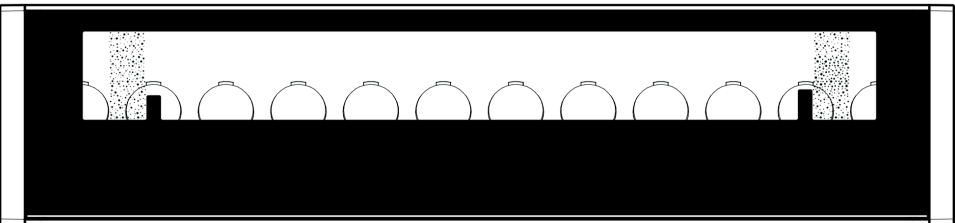


STAND ALONE



HEAD2HEAD

WALLWASHER



STAND ALONE

Note: Applies for RGBW, RGBA versions. Pure white and Tunable white versions are always without the end print (no matter on their position to other fixture).

E-BOX SPECIFICATION

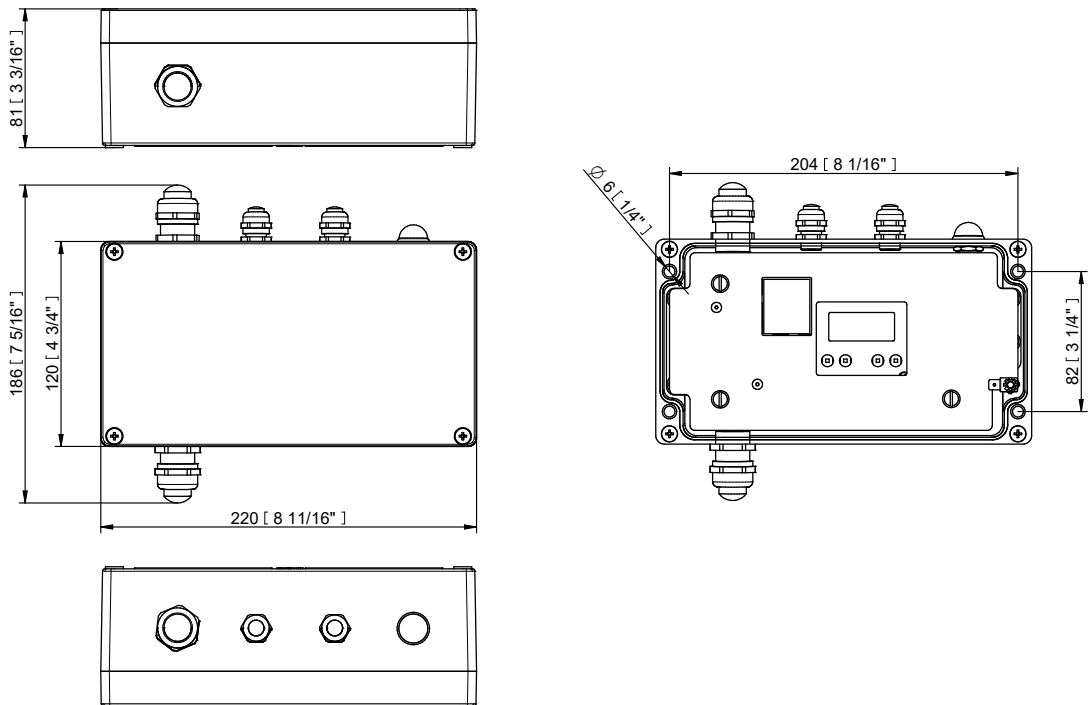
ELECTRICAL	Input Voltage	120 – 277 V AC 50/60 Hz		
	Wireless DMX (Option)	Lumen Radio CRMX Technology		
CONTROL	Interface Protocol	E-box Lite: USITT DMX512, RDM		
		E-box Daisy / Star: USITT DMX512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net		
	Operating Modes	E-box Lite / Daisy: Fixture Mode, Pixel 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	
PHYSICAL		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	
	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)		
CERTIFICATION		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)		
	Listings	ETL / cETL, CE, RoHS, UKCA		

COMPARISON

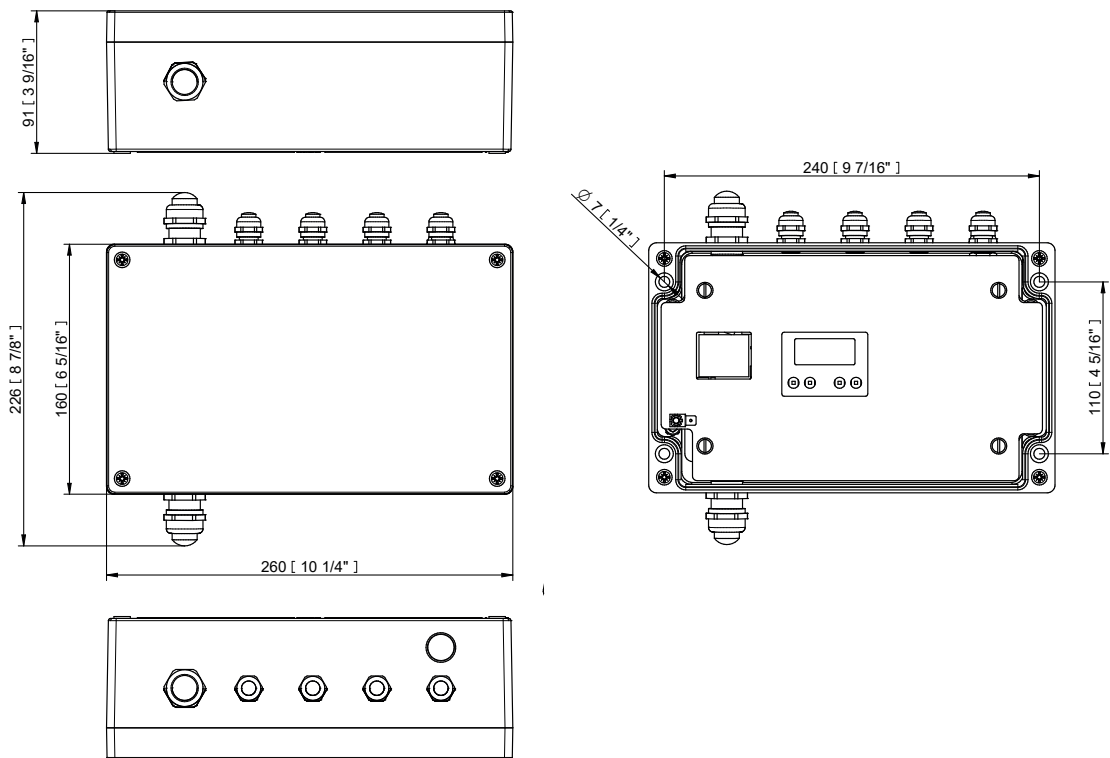
	E-BOX LITE	E-BOX DAISY	E-BOX STAR
Power input	1	1	1
Fixture Output	1	1	6
Total load (current)	16A	16A	16A
DMX control	YES	YES	YES
RDM	YES	YES	YES
Art-Net	NO	YES	YES
Ethernet switch	NO	YES	YES
Kling-Net	NO	YES	YES
sACN	NO	YES	YES
MA Net, MA Net2	NO	YES	YES

E-BOX DIMENSIONS

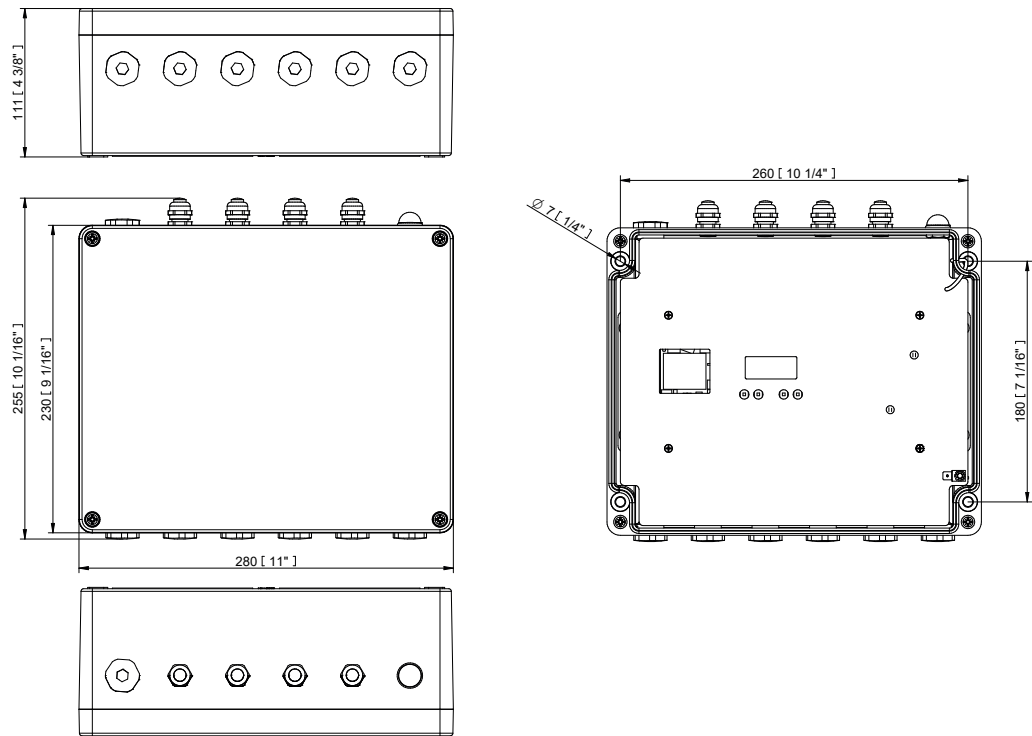
E-BOX LITE



E-BOX DAISY



E-BOX STAR

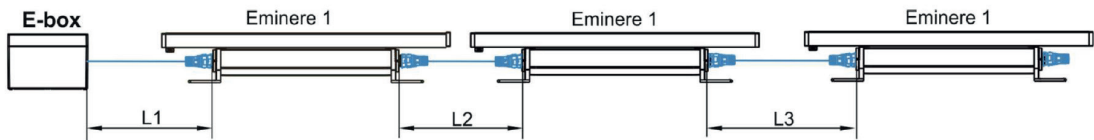


CONNECTIVITY

The tables below state max. theoretical number of Emineres connected to the one LED output of the E-box without using Booster boxes.

Cable length (m)		Voltage (V)			
		120	190	230	277
EMINERE 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 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

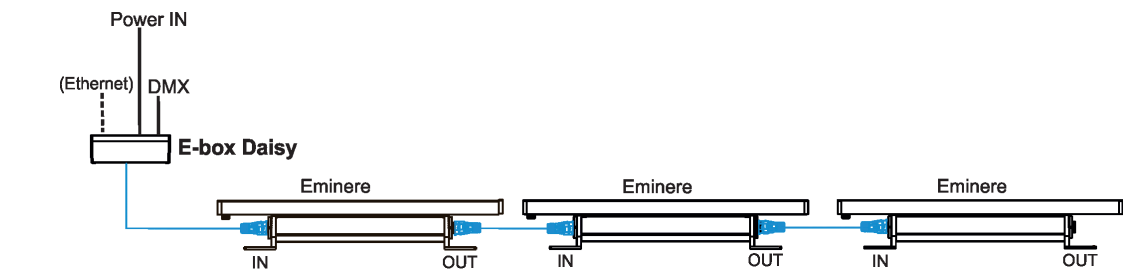
Cable length (m)		Voltage (V)			
		120	190	230	277
EMINERE 3	10	25	40	48	59
	20	25	40	48	59
	30	17	40	48	59
	50	11	26	39	57
	70	7	19	28	40
	100	5	13	19	28
	200	2	6	10	14
EMINERE 4	10	19	31	37	45
	20	19	31	37	45
	30	14	31	37	45
	50	8	20	30	44
	70	5	15	21	35
	100	3	10	15	21
	200	1	4	7	11



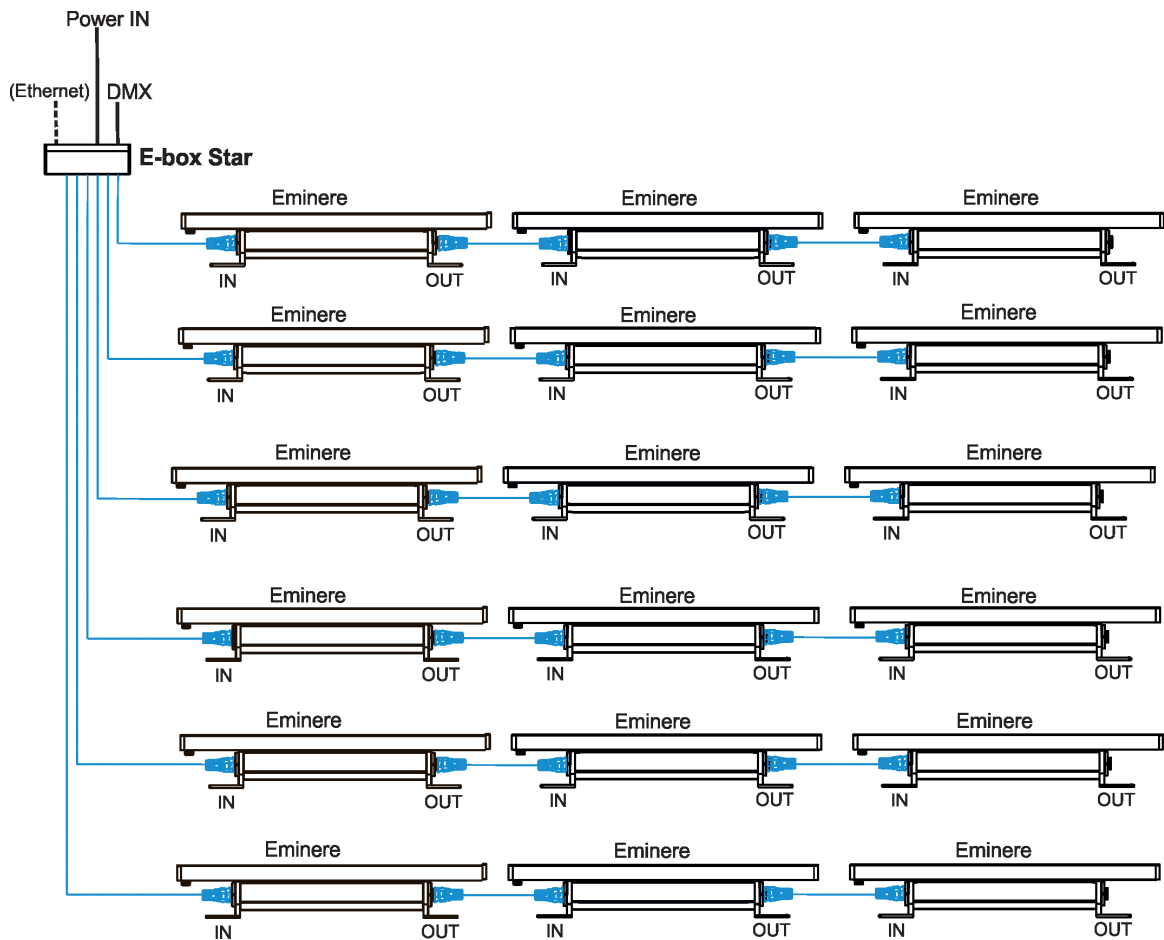
Note: Cable length is a total cable length between E-box and last connected Eminere. Example: Total cable length=L1+L2+L3.
For more information see User Manual.

CONNECTION

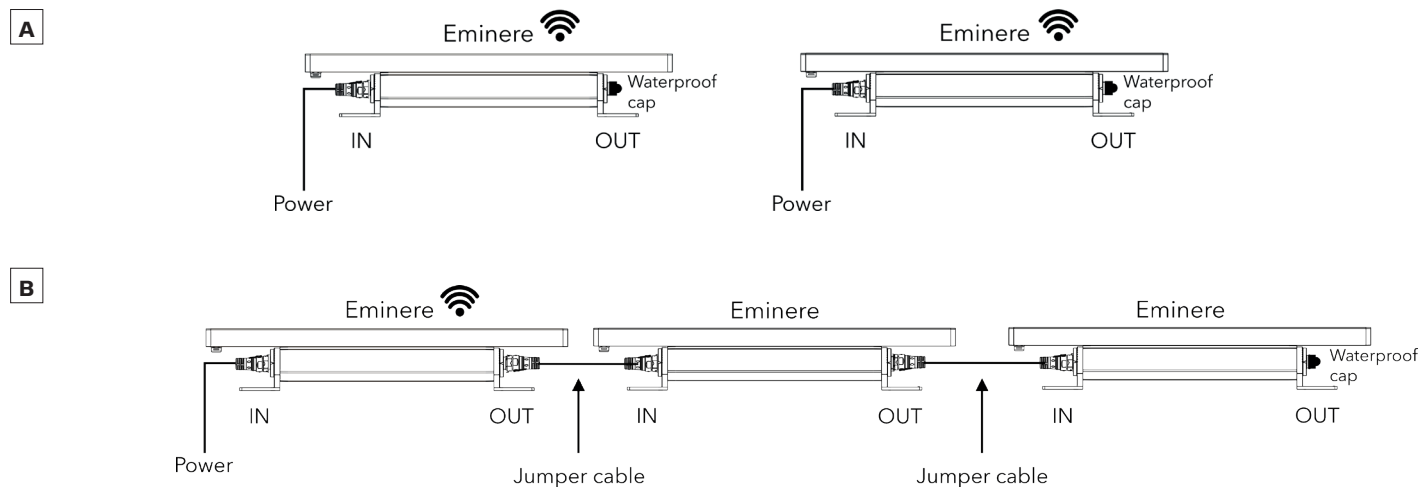
E-BOX LITE / DAISY



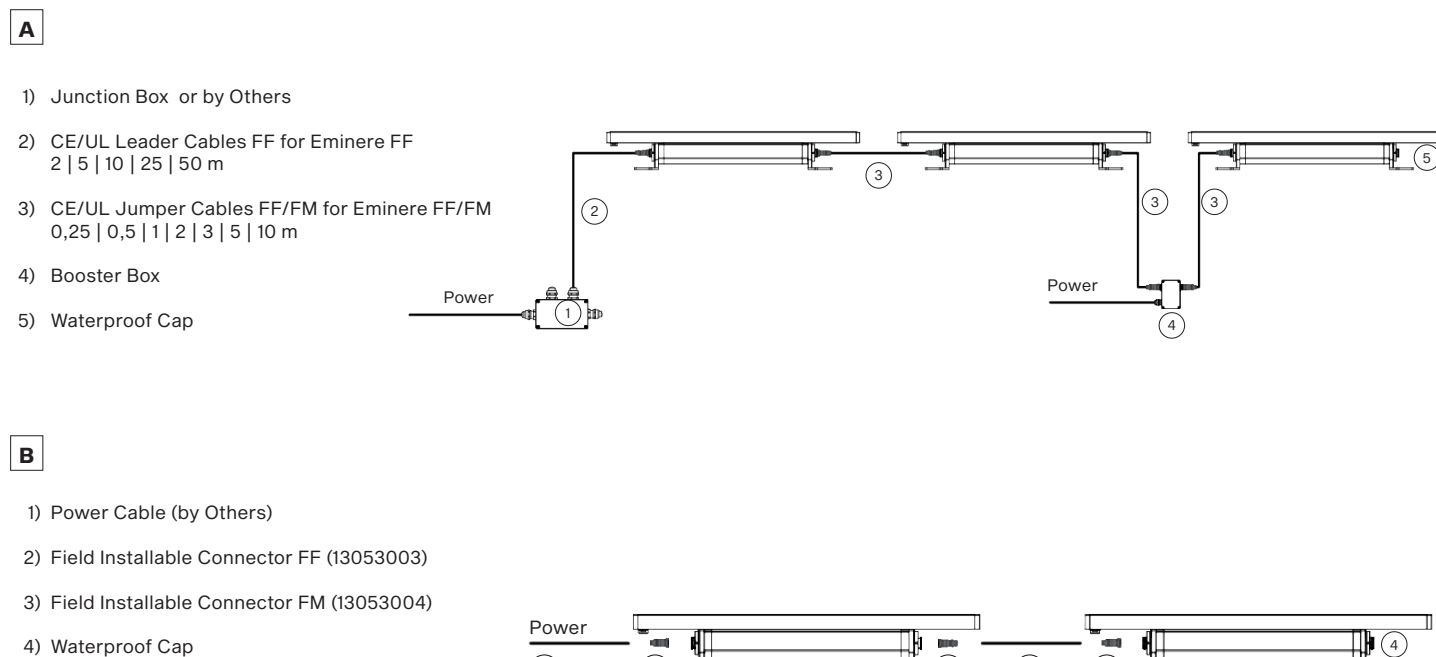
E-BOX STAR



CONNECTION - WIRELESS VERSION

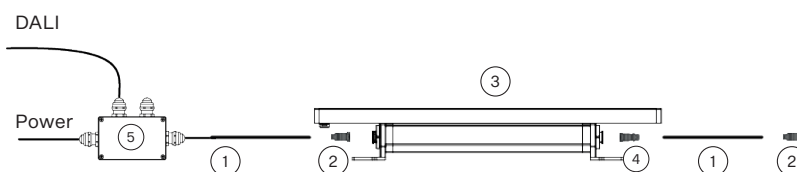


CONNECTION - ON / OFF VERSION



CONNECTION - DALI VERSION (CE)

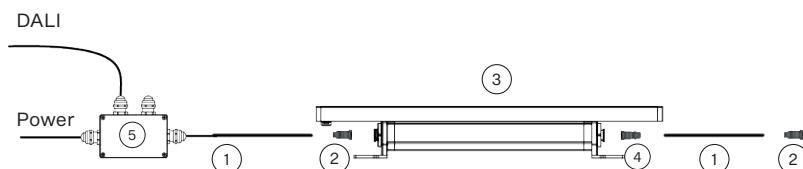
- Hybrid Cable (1305 3693) Standard with bare-end
- Field Installable Connector FF DC-05 (13053971)
- Eminere DALI with Panel Connector MM(13053975) & Panel Connector MF (13053974)
- Field Installable Connector FM DC-05 (13053973)
- Junction Box



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

CONNECTION - DALI VERSION (US)

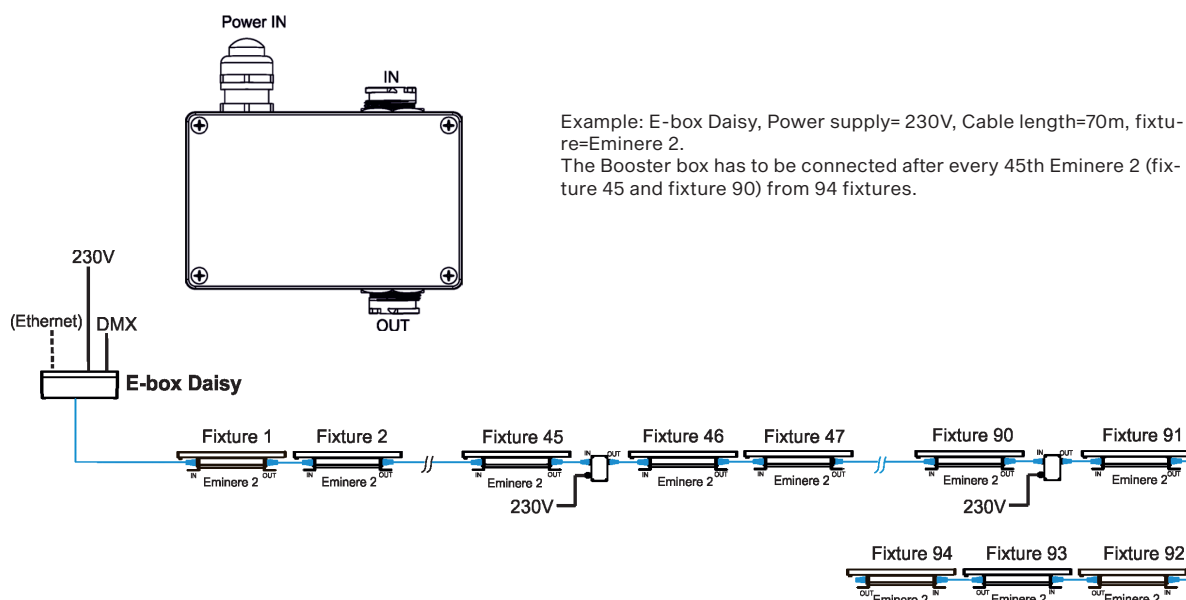
- 1) SJTW 5x 14AWG (13053336), Standard with bare-end, black, or
On request Cable SJTW 5x 14AWG (13053697), with bare-end, white
- 2) Field Installable Connector FF DC-05 (13053971)
- 3) Eminere DALI with Panel Connector MM (13053975)
& Panel Connector MF (13053974)
- 4) Field Installable Connector FM DC-05 (13053973)
- 5) Junction Box



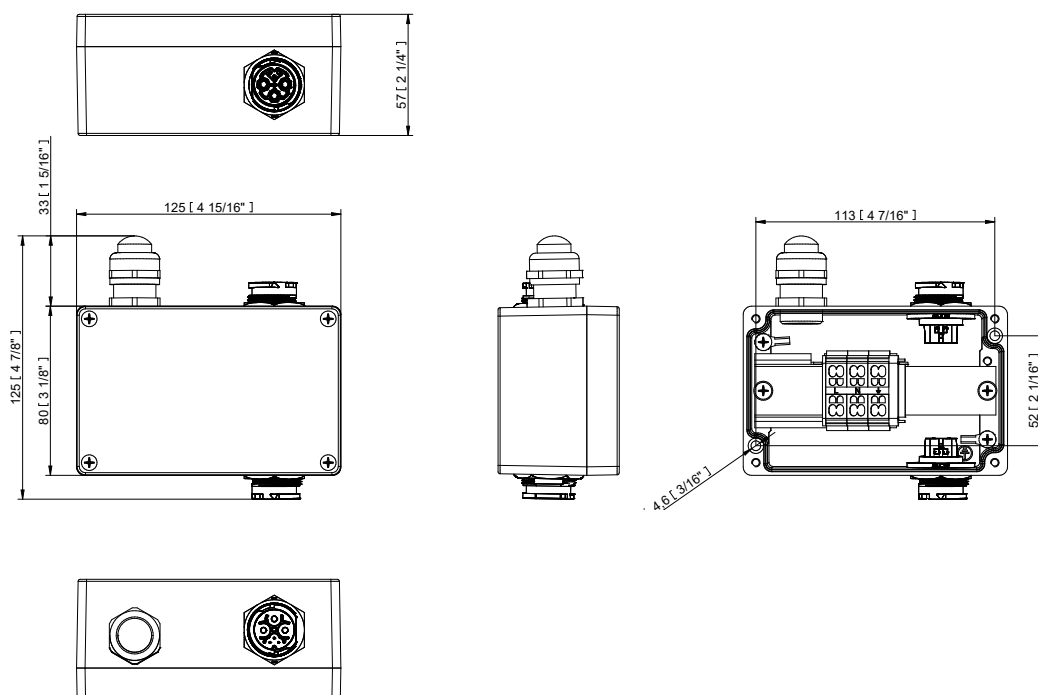
Note: The last unplugged connector must be fitted with a Waterproof Cap to protect the IP rating.

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.



DIMENSIONS



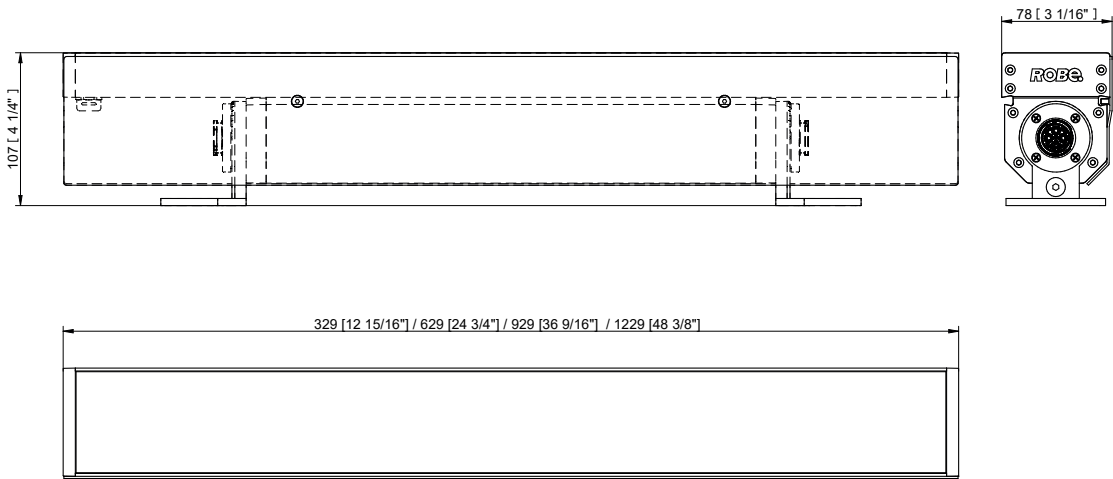
BOOSTER BOX POSITIONS

		Max. number of Emineres 1 = 152 (in Standard mode)			
		120 V	190 V	230 V	277 V
EMINERE 1	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

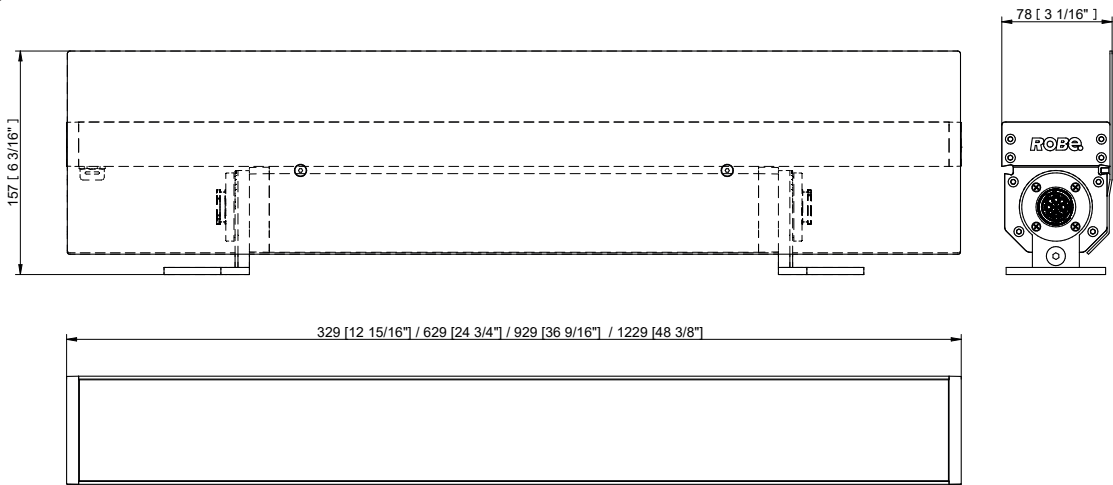
Note: For more detail see the User manual.

ACCESSORIES

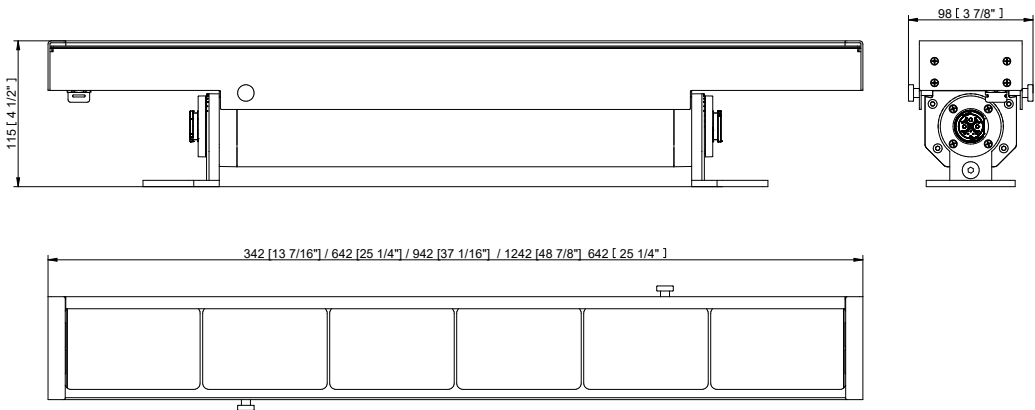
Cable Cover for Eminere



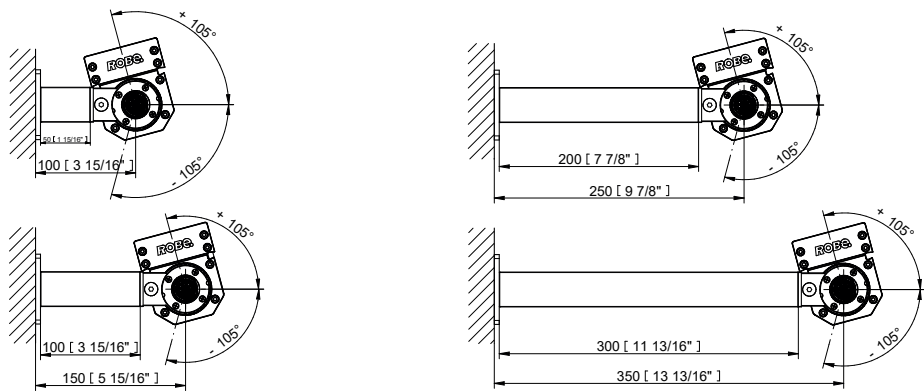
Shield for Eminere



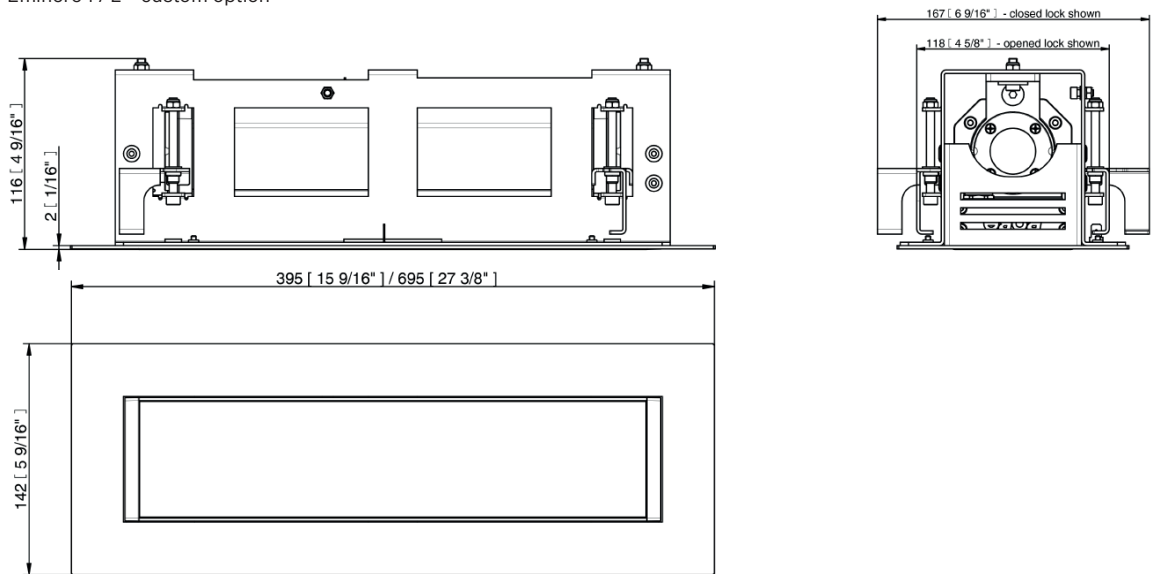
Optical Demo Set



Mounting brackets

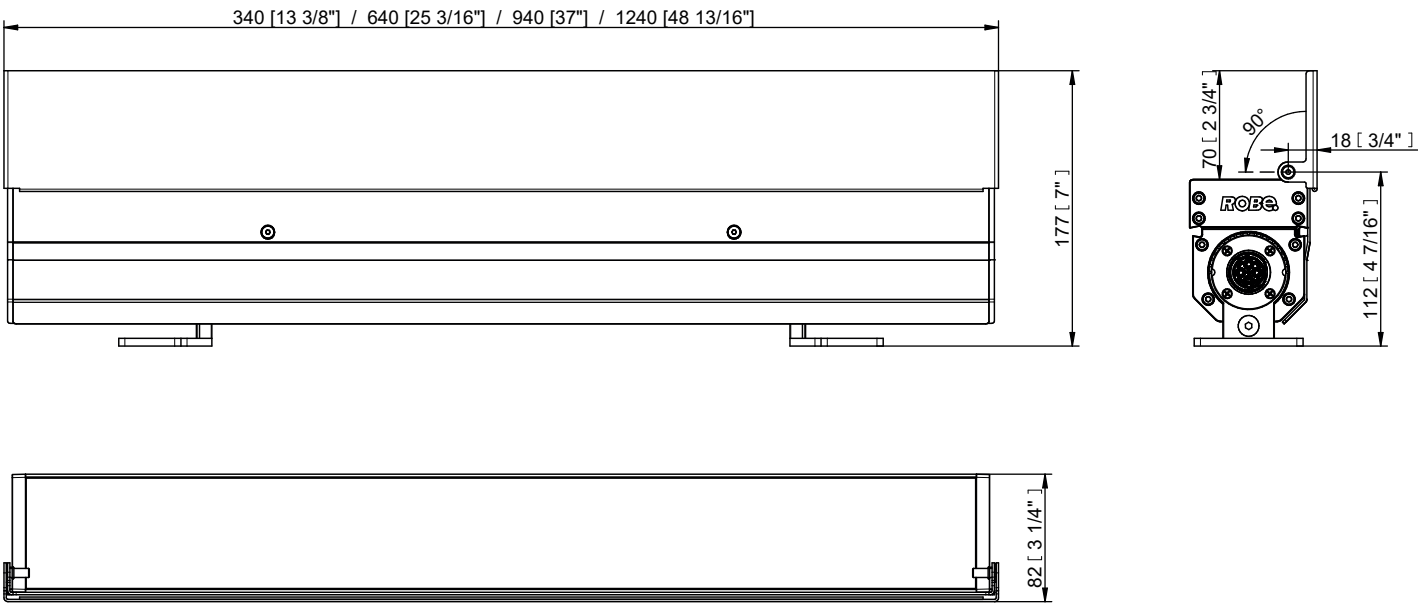


Ceiling Adaptor for Eminere 1 / 2 - custom option

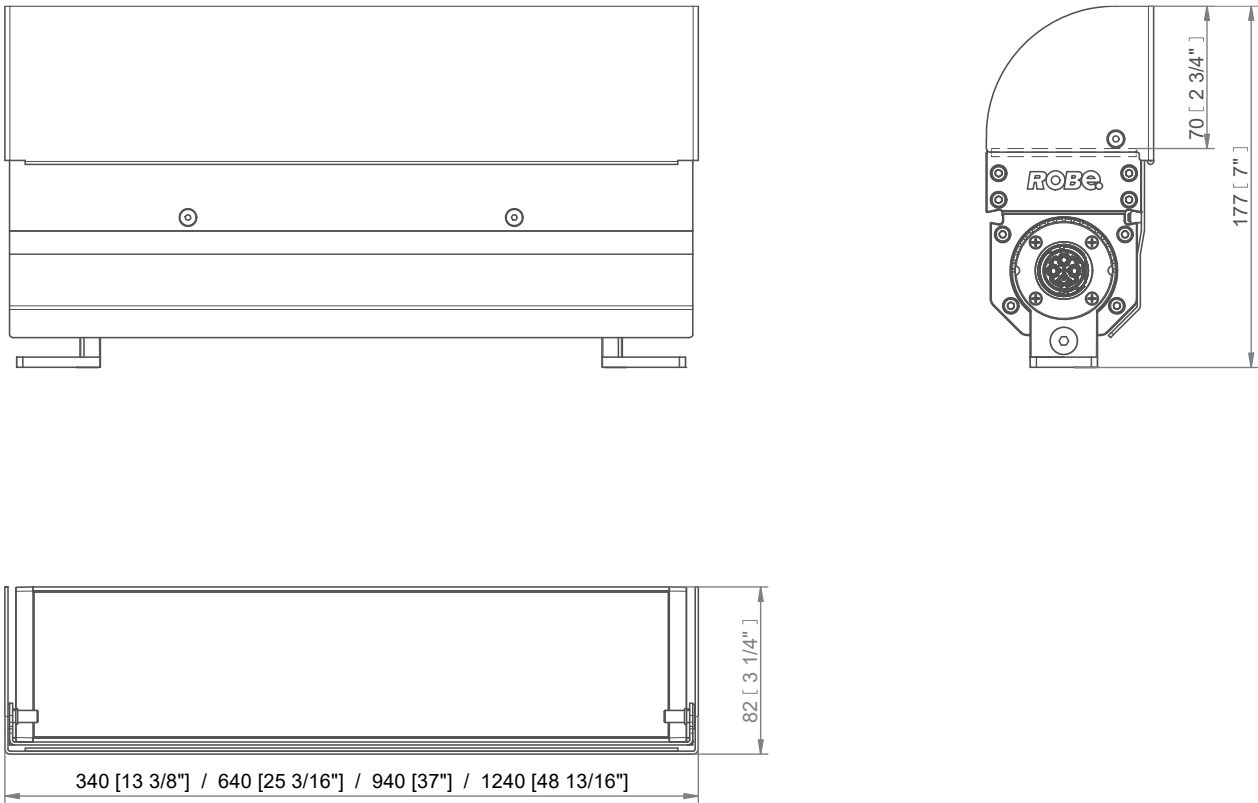


NOTE: This option requires possibility to connect cables to the fixture above a false ceiling. For other connection options please contact the factory.

Barndoor without side covers



Barndoor with side covers



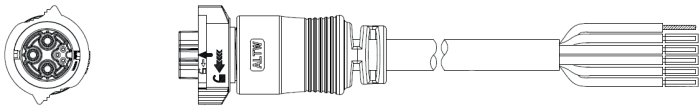
CABLES

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



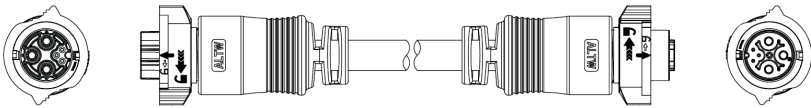
Jumper Cable

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

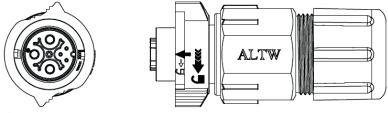
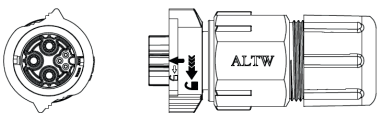
Male pins

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



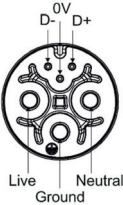
Female connector

Male pins

Output - panel connector
(front view)

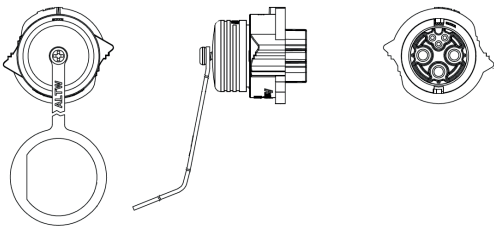


Input - panel connector
(front view)



Waterproof End Cap

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



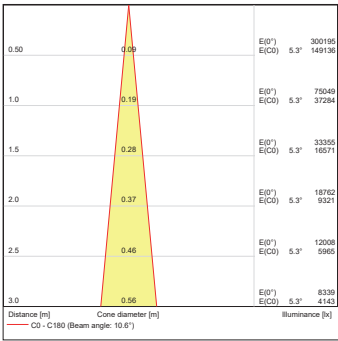
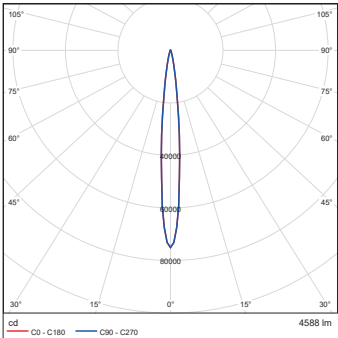
Cable lengths available

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

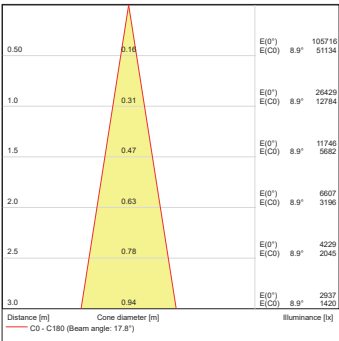
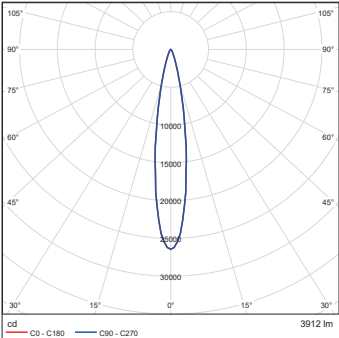
IN METRES	LEADER CABLE	JUMPER CABLE
5	YES	YES
10	YES	YES
25	YES	–
50	YES	–
Other lengths	On Request	

PHOTOMETRIC DATA

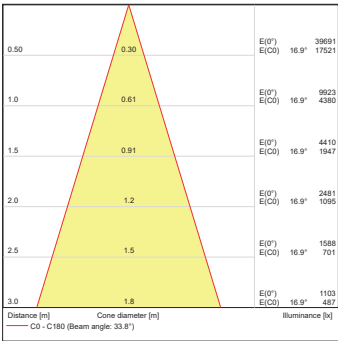
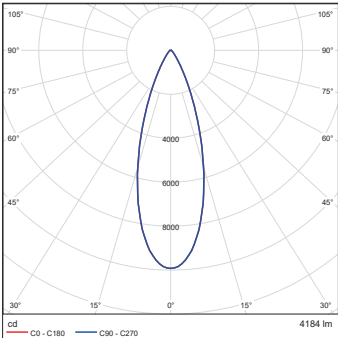
Eminere 4 RGBCW 9dg



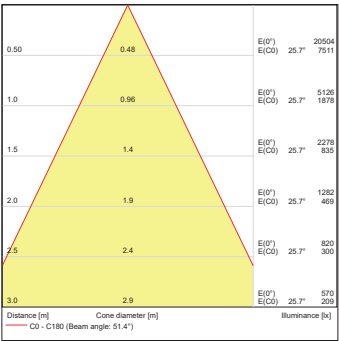
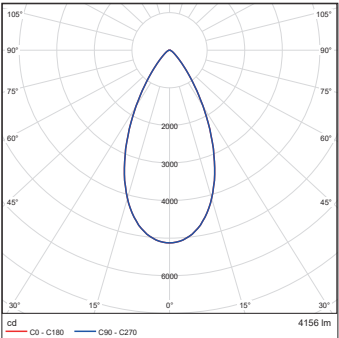
Eminere 4 RGBCW 15dg



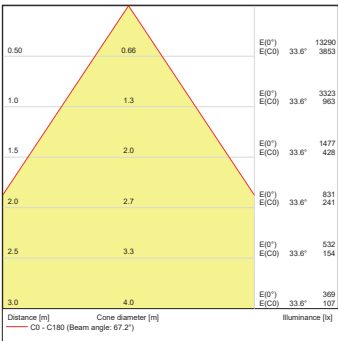
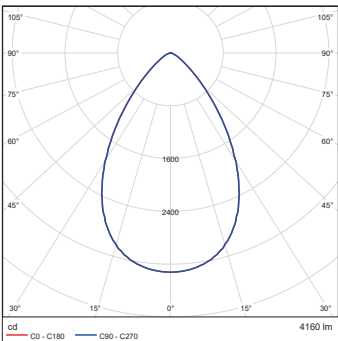
Eminere 4 RGBCW 30dg



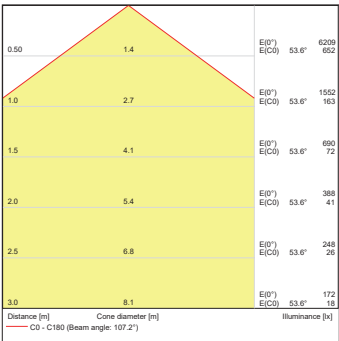
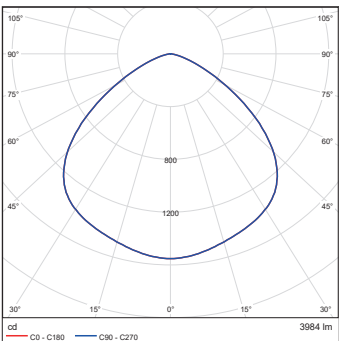
Eminere 4 RGBCW 50dg



Eminere 4 RGBCW 65dg

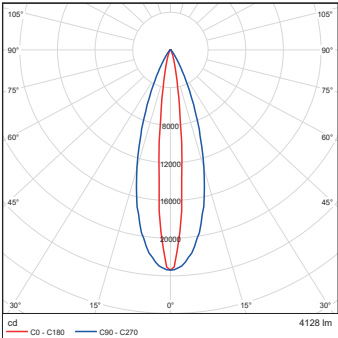


Eminere 4 RGBCW 100dg

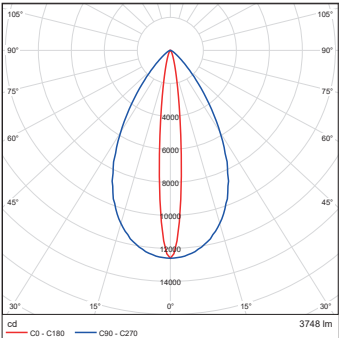


PHOTOMETRIC DATA

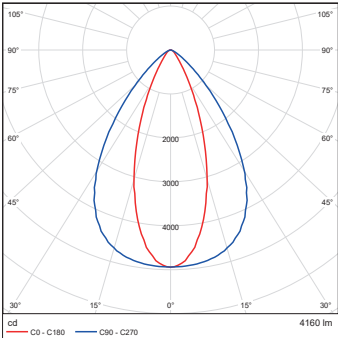
Eminere 4 RGBCW 10dg x 30dg



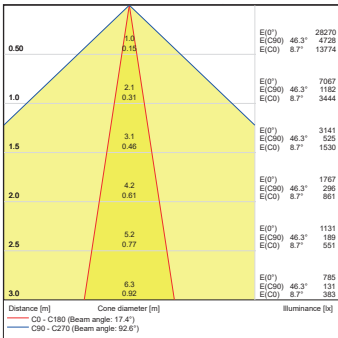
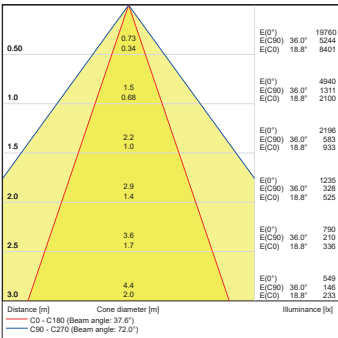
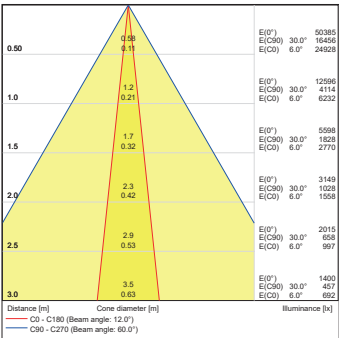
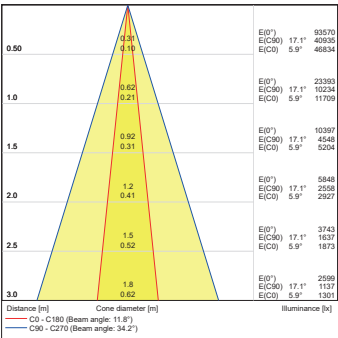
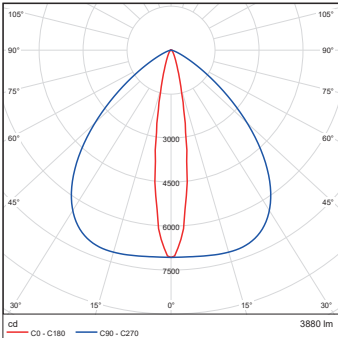
Eminere 4 RGBCW 10dg x 60 dg



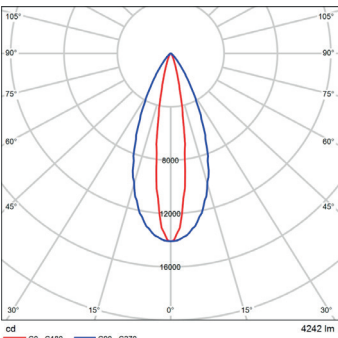
Eminere 4 RGBCW 35dg x 70dg



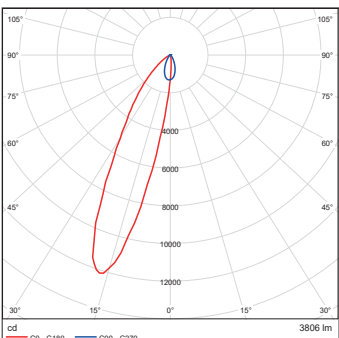
Eminere 4 RGBCW 15dg x 90dg



Eminere 4 RGBCW 15dg x 45dg



Eminere 4 RGBCW WallWasher



Eminere 4 RGBCW Wide WallWasher

