

# 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).

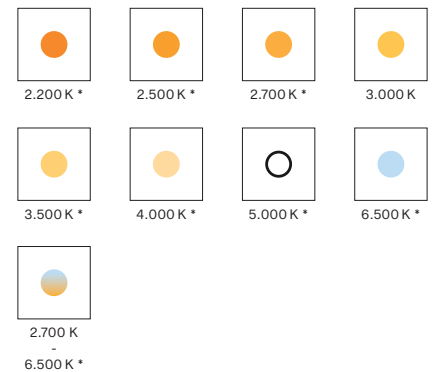
## COLOURS

\* UPON REQUEST



## COLOUR TEMPERATURE

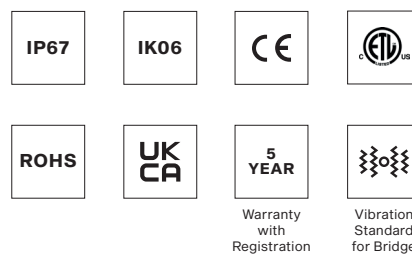
\* UPON REQUEST



## CONTROL & PROTOCOLS

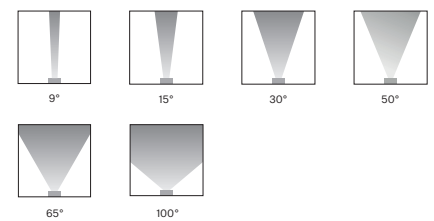


## STANDARD & SPECIFICATION

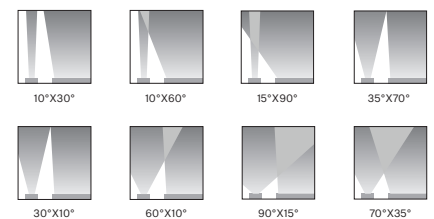


## OPTIC OPTIONS

### SYMMETRICAL



### BI-SYMMETRICAL



### ASYMMETRICAL



## FINISH OPTIONS

\* CLOSEST RAL TONE

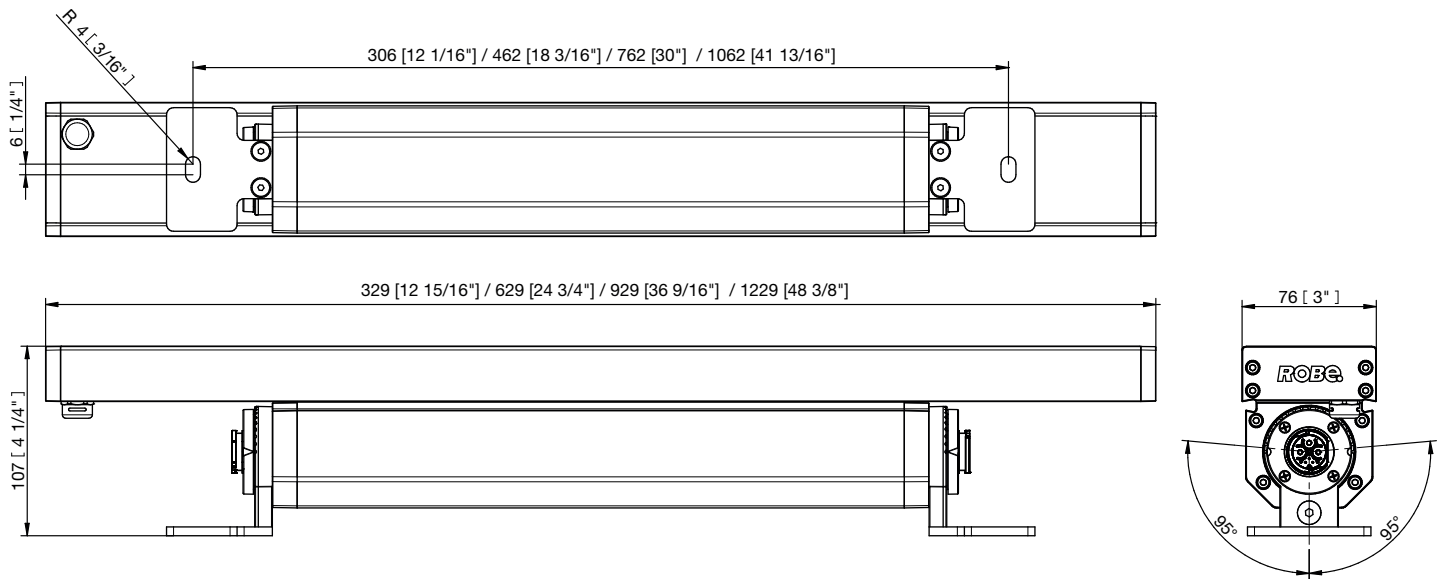
\* HE = Harsh Environment



**SPECIFICATION**

<b>ELECTRICAL</b>	Input Voltage	120 - 277 V AC 50/60 Hz		
	Typical Power Consumption	<b>Eminere 1 / 2 / 3 / 4</b> : 25 W / 45 W / 65 W / 85 W		
<b>OPTICAL</b>	Light Source	<b>Eminere 1 / 2 / 3 / 4</b> : 12, 24, 36, 48 x High Power Single Chip LEDs		
	Colour Variants	RGBW (W - 6.500 K)	RGBA	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°	
		Asymmetrical:	Wallwasher   Wide Wallwasher	
	Lumen Output Delivered	<b>Eminere 1</b> : 1.147 lm, RGBW @ 9°	<b>Eminere 3</b> : 3.441 lm, RGBW @ 9°	
<b>Eminere 2</b> : 2.294 lm, RGBW @ 9°		<b>Eminere 4</b> : 4.588 lm, RGBW @ 9°		
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F			
<b>CONTROL</b>	Interface Protocol	Via E-Box range, Wireless DMX (excluded Eminere 1) or ON/OFF (PW & single color only, No dimming)		
	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	
<b>PHYSICAL</b>	Width x Height x Length	<b>Eminere 1 / 2 / 3 / 4</b>	76 x 107 x 329 / 629 / 929 / 1229 mm 2.99 x 3.58 x 12.95 / 24.76 / 36.57 / 48.38 in.	
	Weight	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)			
<b>CERTIFICATION</b>	Listings	ETL / cETL, CE, RoHS, UKCA		
<b>ACCESSORIES</b>	<b>Not Included Items</b>			
	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		
		Field Installable Connector FF	Field Installable Connector FM	
	Cables and Connectors	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		
Booster Box	Booster Box			

**DIMENSIONS**



**PROJECTED AREA**

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

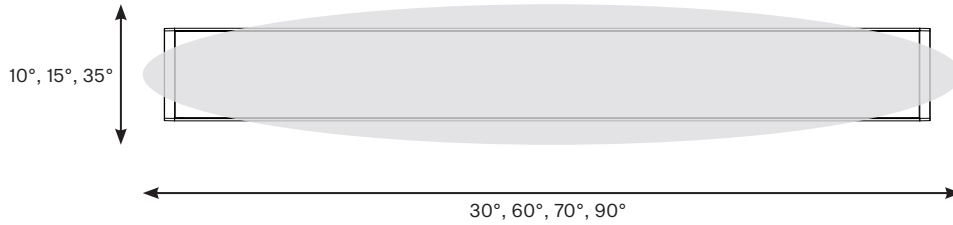
**PHOTOMETRIC OVERVIEW**

Based on RGBW version, all leds @ full

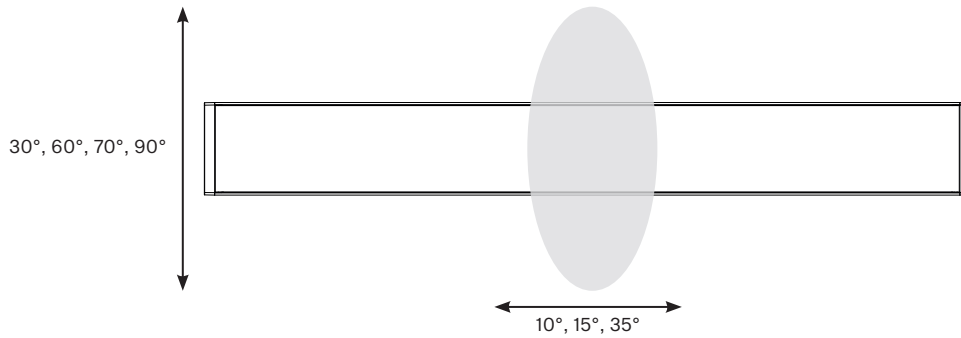
	Lumen Output (lm)			
	EMINERE 1	EMINERE 2	EMINERE 3	EMINERE 4
<b>9°</b>	1147	2 294	3 441	4 588
<b>15°</b>	978	1 956	2 910	3 912
<b>30°</b>	1 046	2 092	3 138	4 184
<b>50°</b>	1 039	2 078	3 117	4 156
<b>65°</b>	1 040	2 080	3 120	4 160
<b>100°</b>	996	1 992	2 988	3 984
<b>10° x 30°</b>	1 032	2 064	3 096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

**BI-SYMMETRICAL BEAM ANGLES**

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



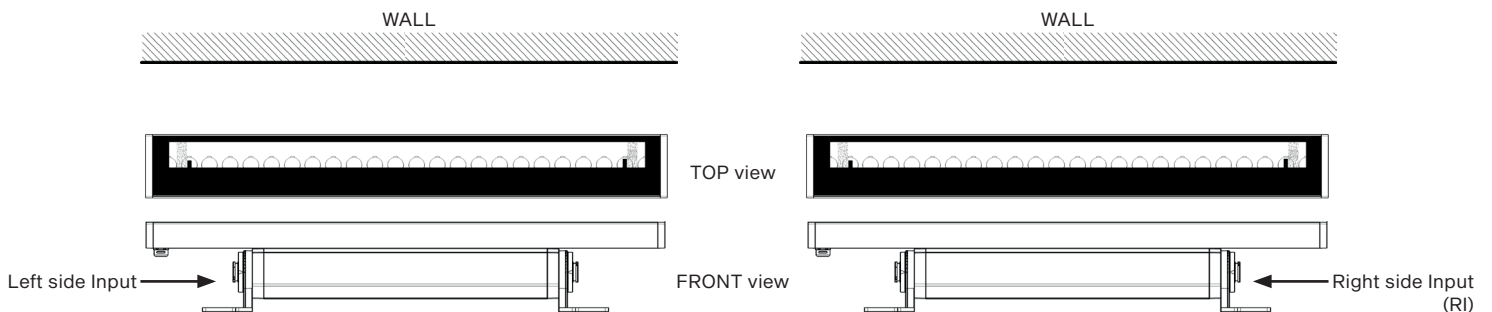
Bi-symmetrical: 30°x10°, 60°x10°, 70°x35°, 90°x15°



**EMINERE WALLWASHER INPUT OPTIONS**

STANDARD

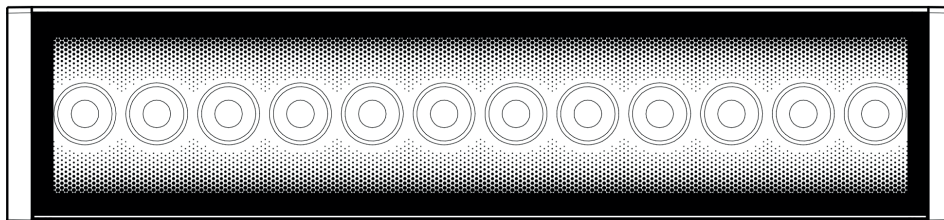
UPON REQUEST



COLOUR MIXING PRINTS

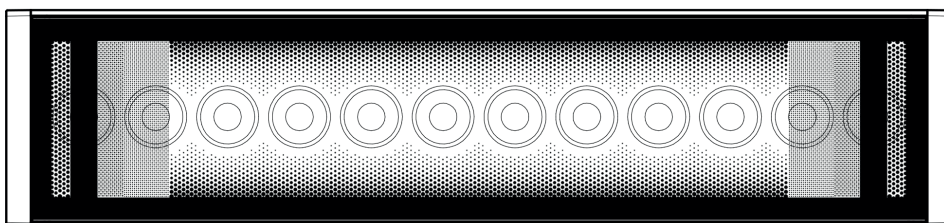
**STAND ALONE** Specially designed glass printing to achieve optimal colour mixing and intensity distribution.

**HEAD2HEAD** Fixtures without special end glass print installed right next to each other create absolutely perfect colour and intensity overlap.

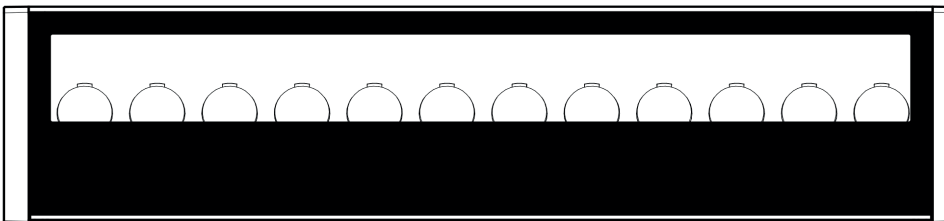


HEAD2HEAD

SYMMETRICAL

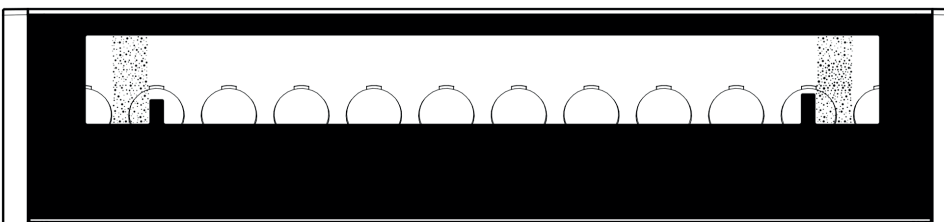


STAND ALONE



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**

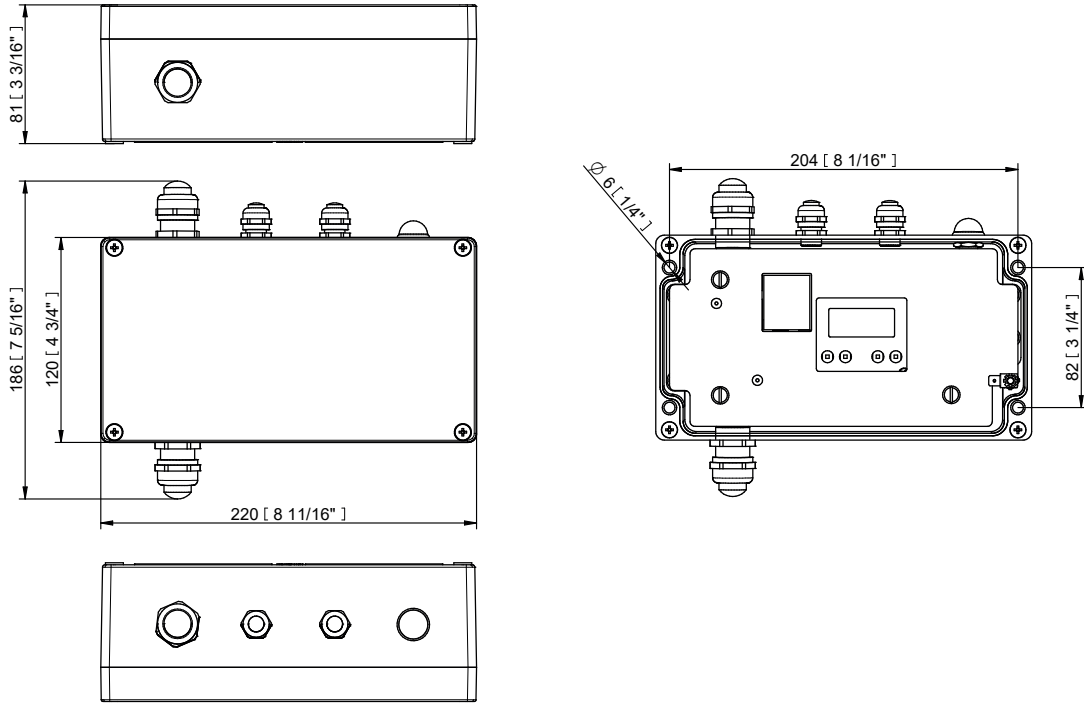
<b>ELECTRICAL</b>	Input Voltage	120 – 277 V AC 50/60 Hz		
	Wireless DMX (Option)	Lumen Radio CRMX Technology		
	Interface Protocol	<b>E-box Lite:</b> USITT DMX512, RDM		
		<b>E-box Daisy / Star:</b> USITT DMX512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net		
Operating Modes	<b>E-box Lite / Daisy:</b> Fixture Mode, Pixel Mode, Output Mode			
	<b>E-Box Star:</b> Total Mode, Fixture Mode, Pixel Mode, Output Mode			
<b>CONTROL</b>	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	<b>E-box Lite</b>	127 of Eminere 1 (@ 230 V and 30m cable) via 1 Output	
		<b>E-box Daisy</b>	127 of Eminere 1 (@ 230 V and 30m cable) via 1 Output	
		<b>E-box Star</b>	127 of Eminere 1 (@ 230 V and 30m cable) via 6 Outputs	
	Length x Width x Height	<b>E-box Lite</b>	220 x 120 x 81 mm (8.66 x 4.72 x 3.18 in.)	
		<b>E-box Daisy</b>	260 x 160 x 91 mm (10.24 x 6.30 x 3.58 in.)	
		<b>E-box Star</b>	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)			
<b>CERTIFICATION</b>	Listings	ETL / cETL, CE, RoHS, UKCA		

**COMPARISON**

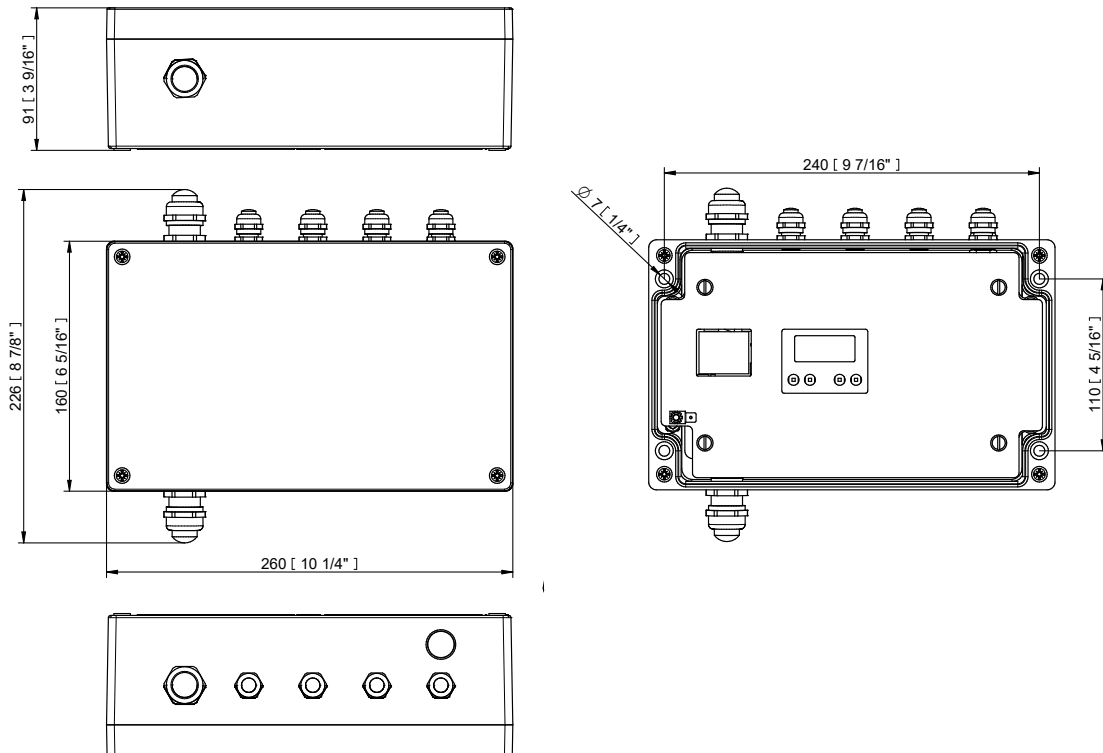
	<b>E-BOX LITE</b>	<b>E-BOX DAISY</b>	<b>E-BOX STAR</b>
<b>Power input</b>	1	1	1
<b>Fixture Output</b>	1	1	6
<b>Total load (current)</b>	16A	16A	16A
<b>DMX control</b>	YES	YES	YES
<b>RDM</b>	YES	YES	YES
<b>Art-Net</b>	NO	YES	YES
<b>Ethernet switch</b>	NO	YES	YES
<b>Kling-Net</b>	NO	YES	YES
<b>sACN</b>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

E-BOX DIMENSIONS

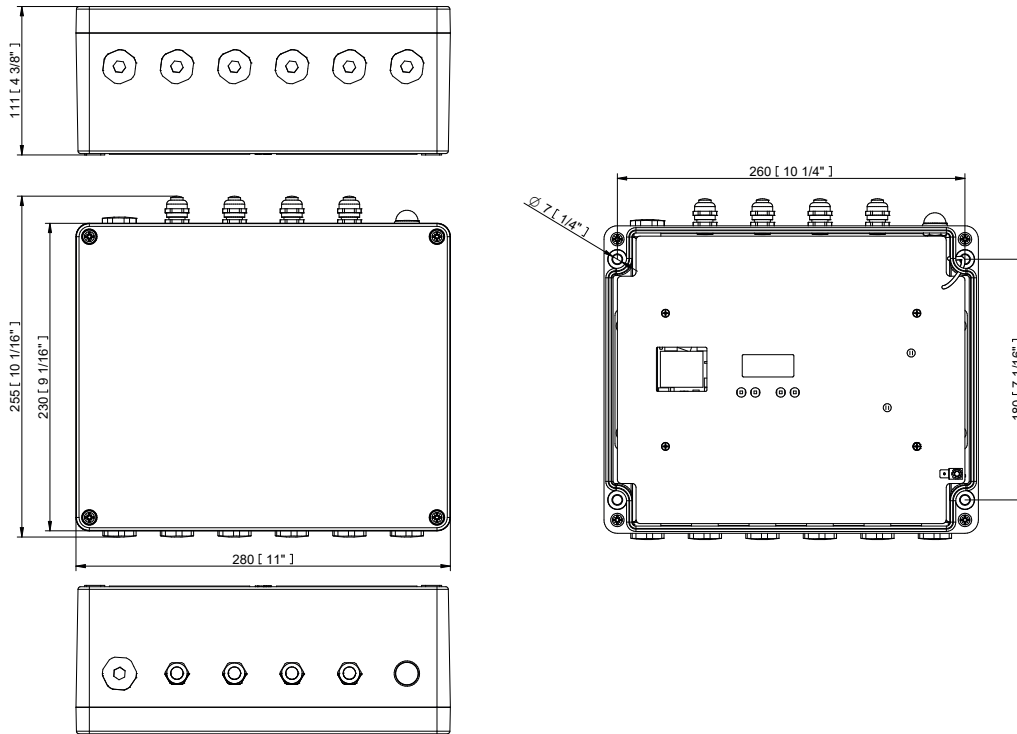
E-BOX LITE



E-BOX DAISY



E-BOX STAR

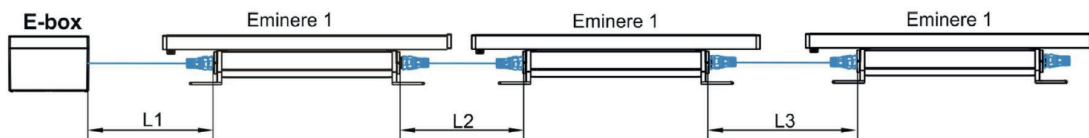


CONNECTIVITY

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
<b>EMINERE 1</b>	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
<b>EMINERE 2</b>	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
<b>EMINERE 3</b>	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
<b>EMINERE 4</b>	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

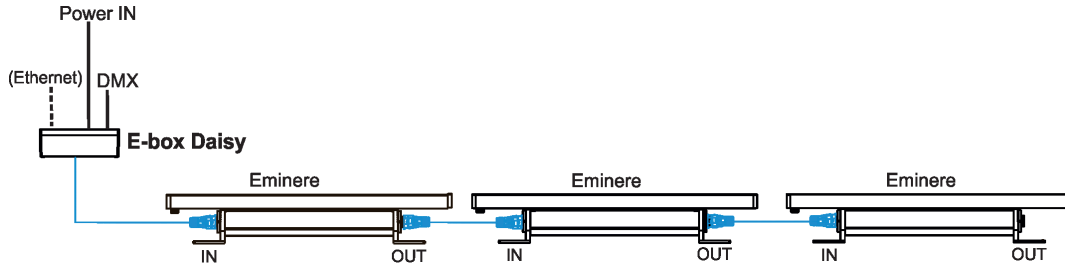


**Note:** Cable length is a total cable length between E-box and last connected Eminere. Example: Total cable length=L1+L2+L3.  
For more information see User Manual.

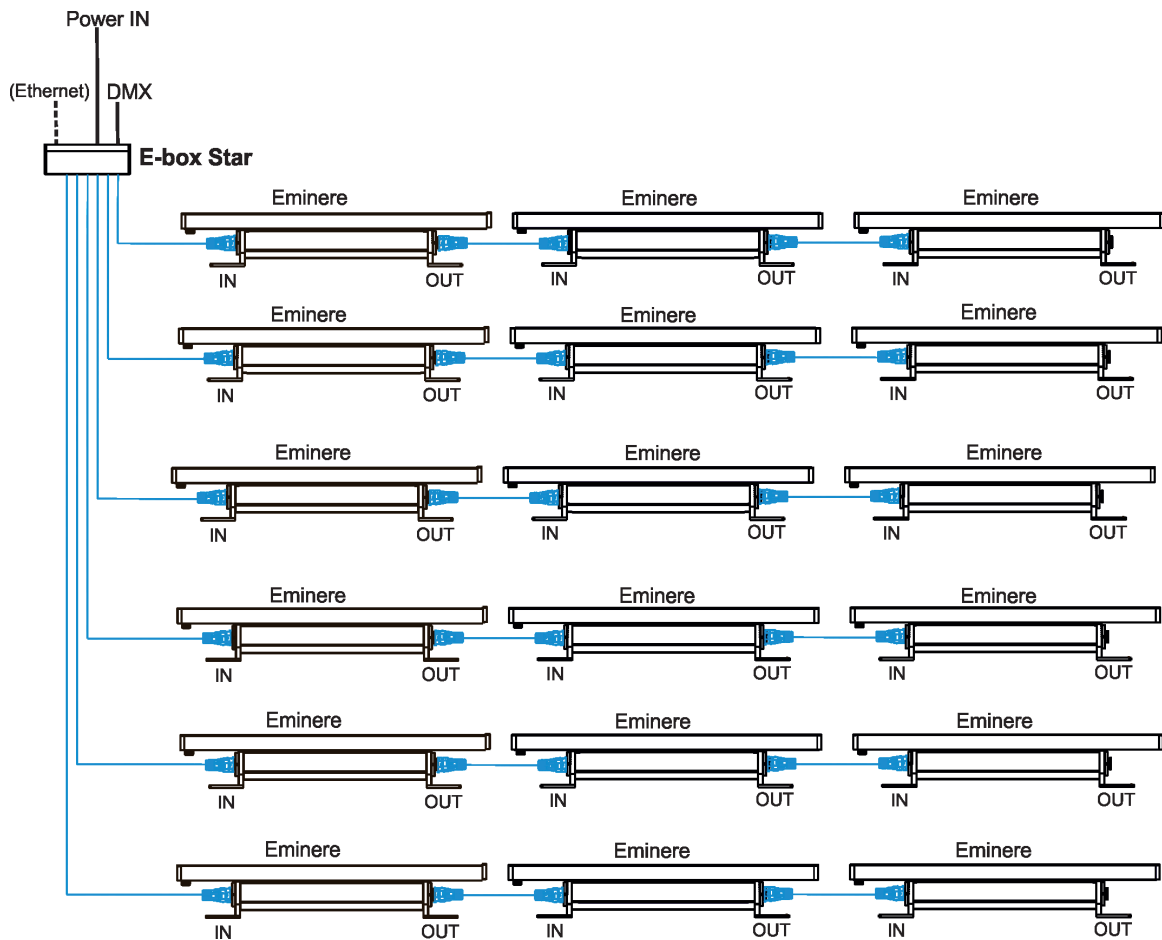


CONNECTION

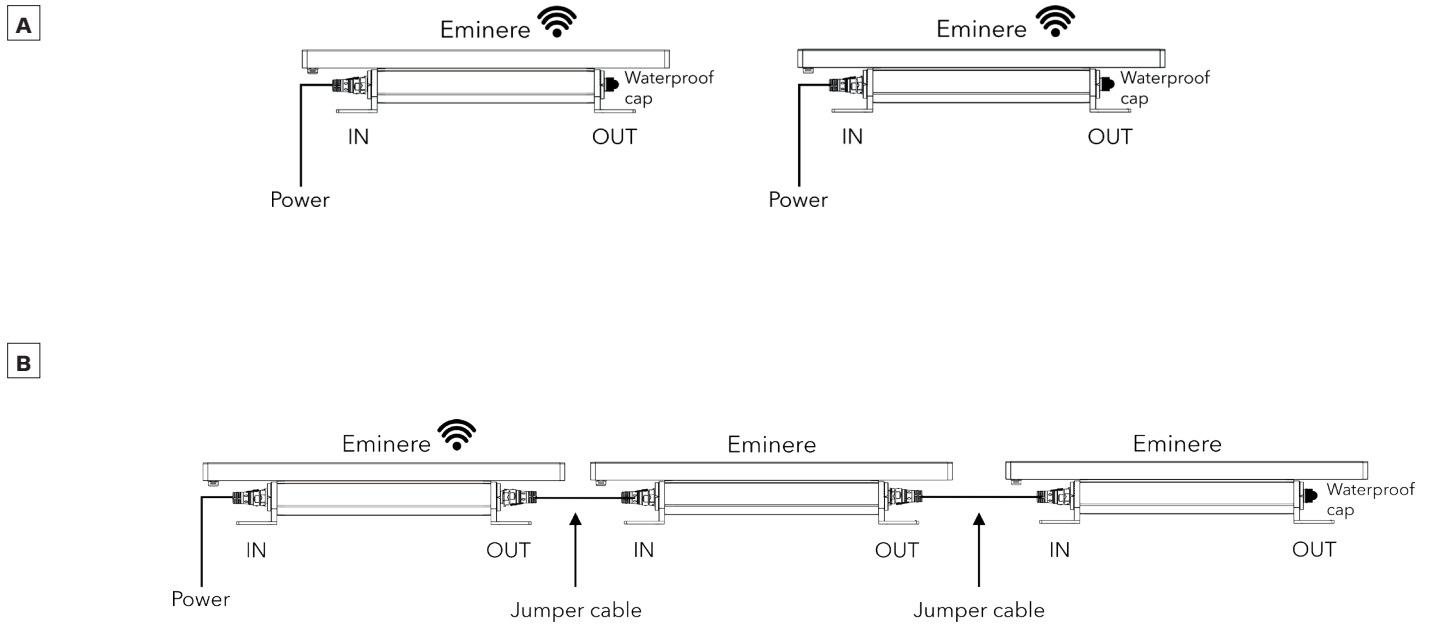
E-BOX LITE / DAISY



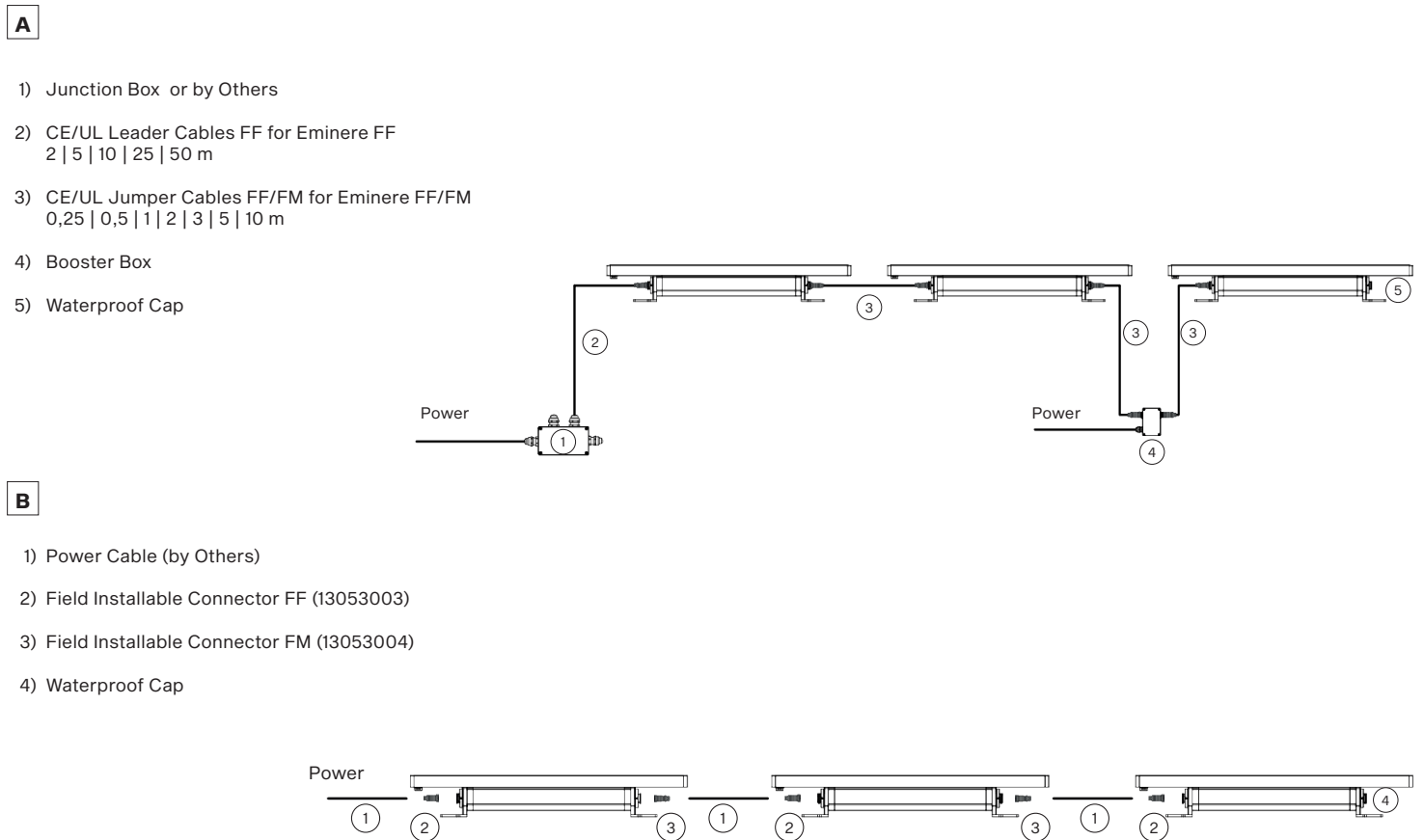
E-BOX STAR



**CONNECTION - WIRELESS VERSION**

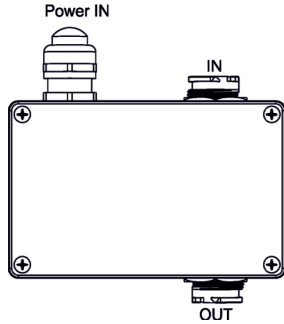


**CONNECTION - ON / OFF VERSION**

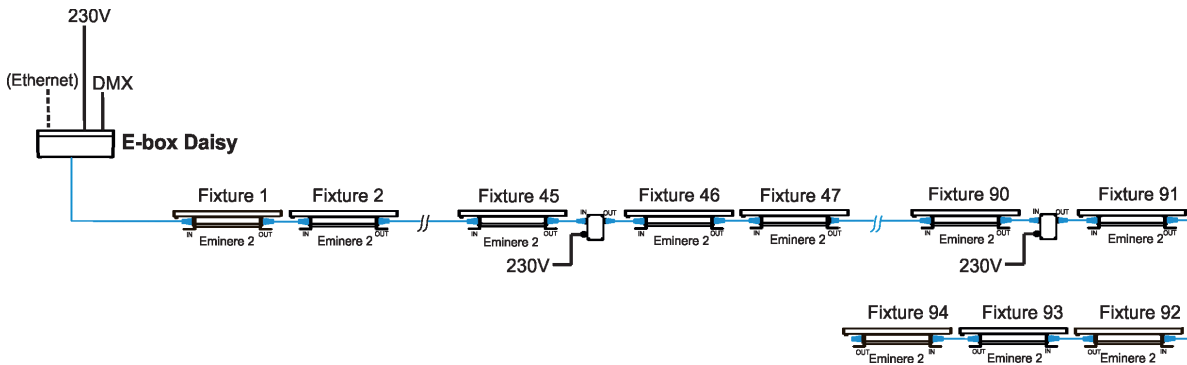


**THE BOOSTER BOX**

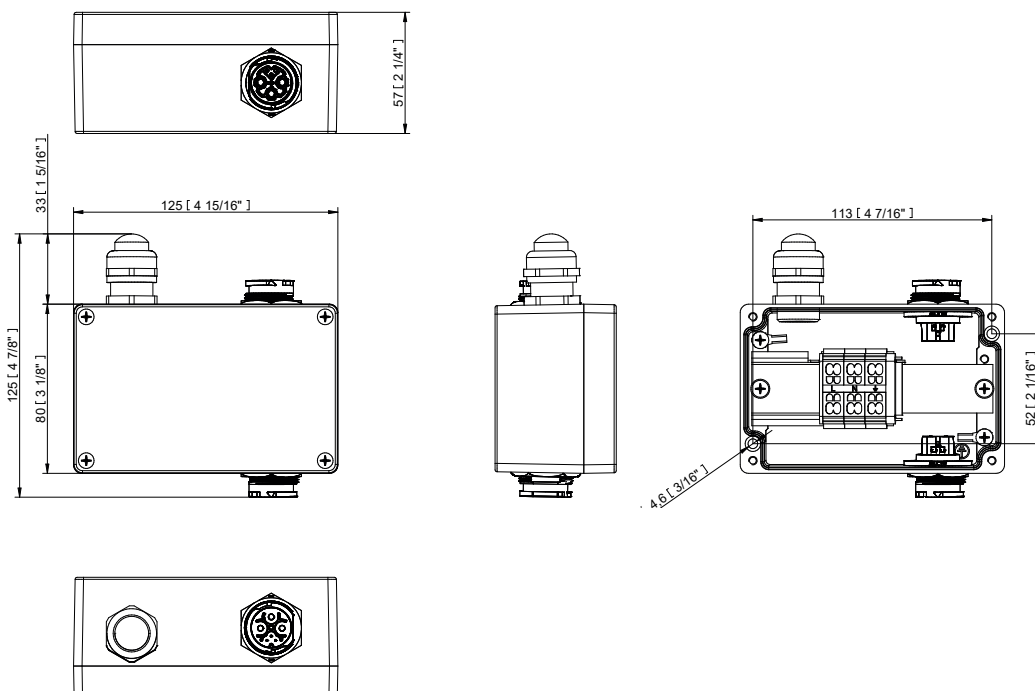
To compensate a voltage drop in a large installation, the Booster boxes have to be connected in the chain of Eminere modules.



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**



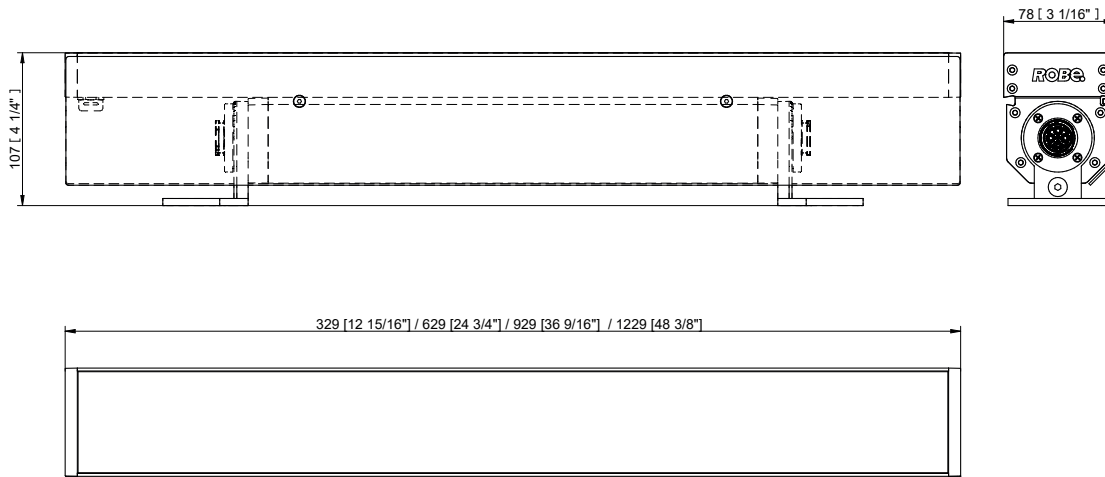
**BOOSTER BOX POSITIONS**

	Cable length (m)	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

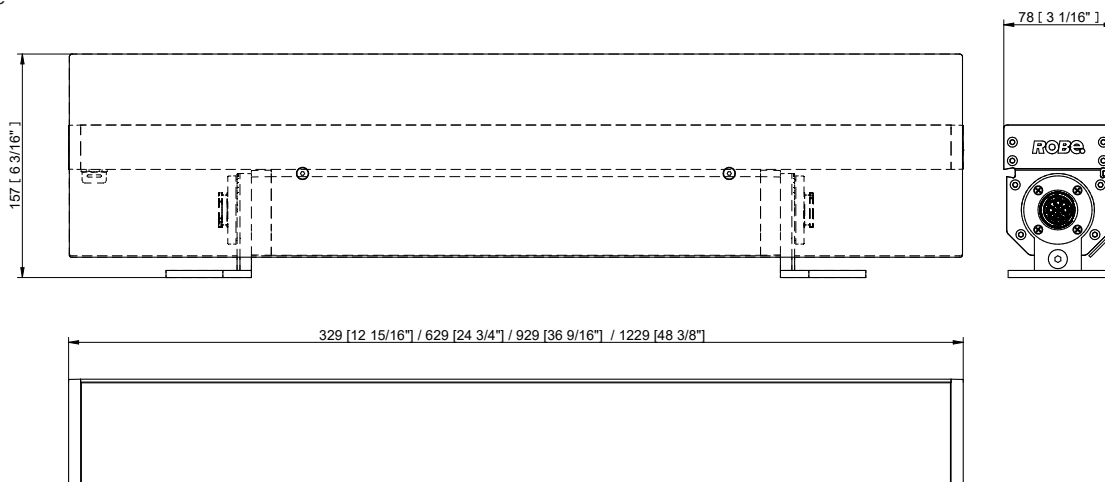
**Note:** For more detail see the User manual.

**ACCESSORIES**

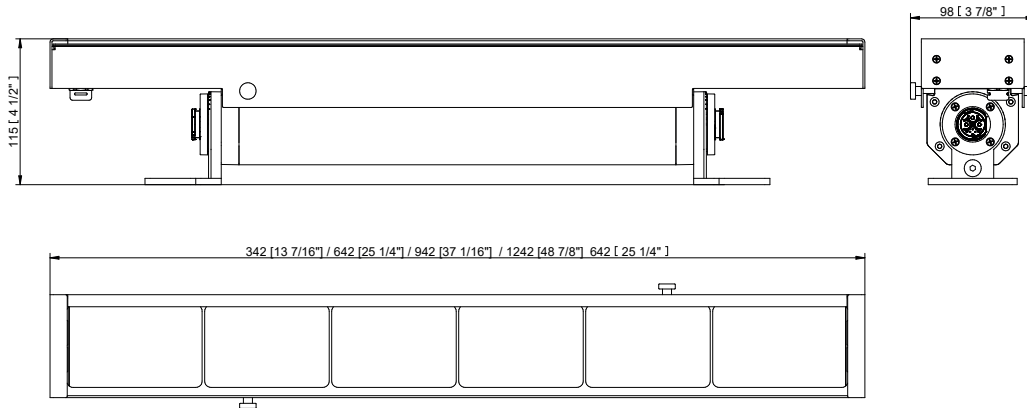
Cable Cover for Eminere



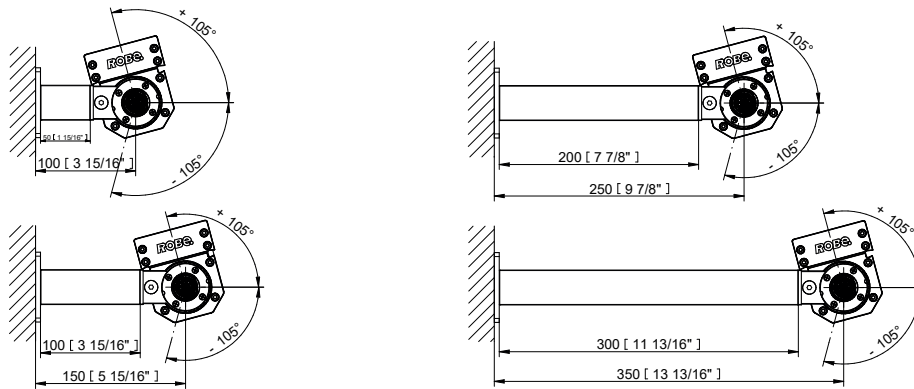
Shield for Eminere



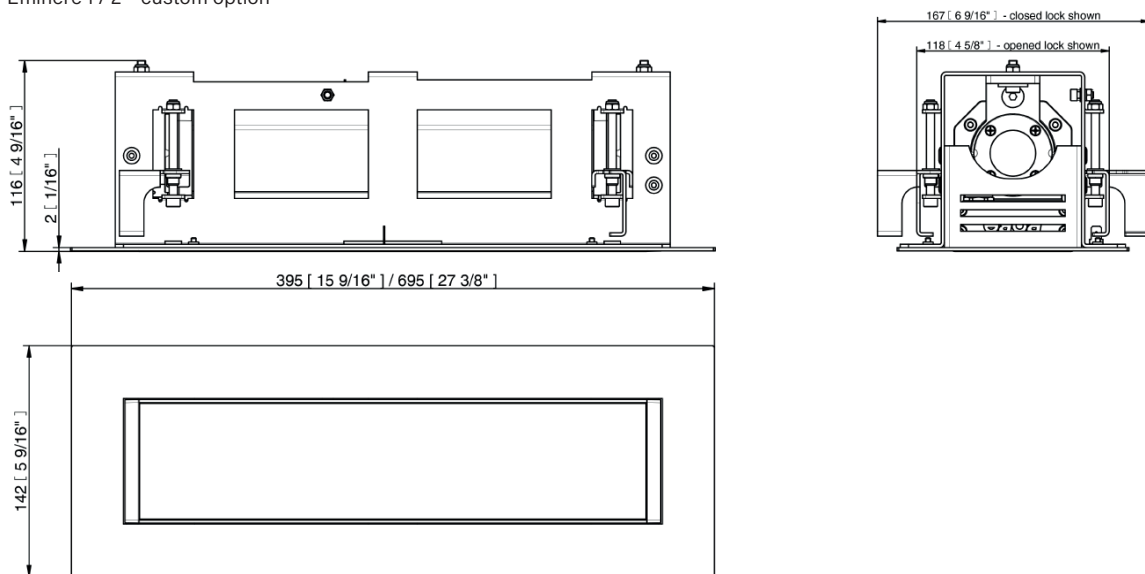
Optical Demo Set



Mounting brackets

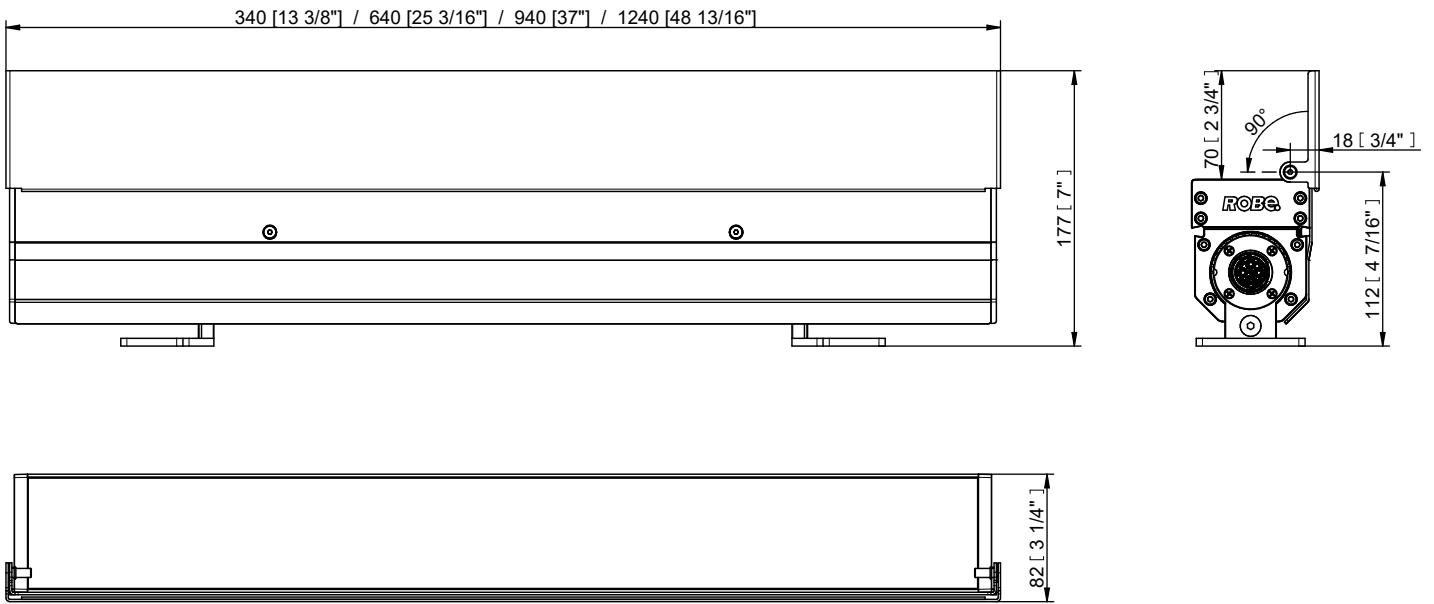


Ceiling Adaptor for Eminere 1 / 2 - custom option

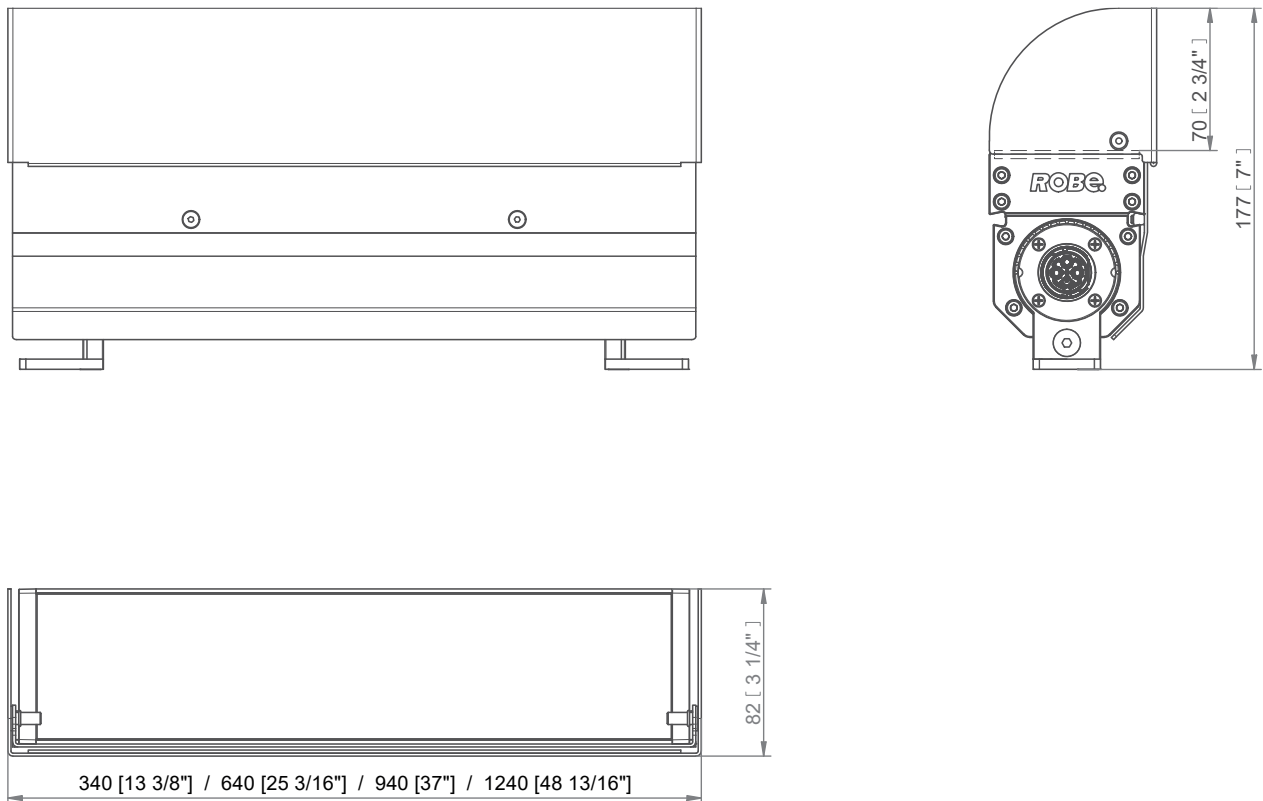


**NOTE: This option requires possibility to connect cables to the fixture above a false ceiling. For other connection options please contact the factory.**

Barndoor without side covers



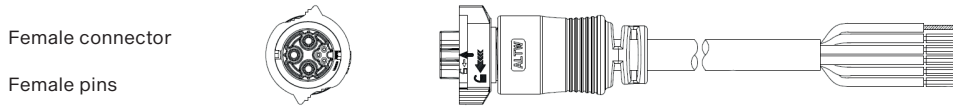
Barndoor with side covers



**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.



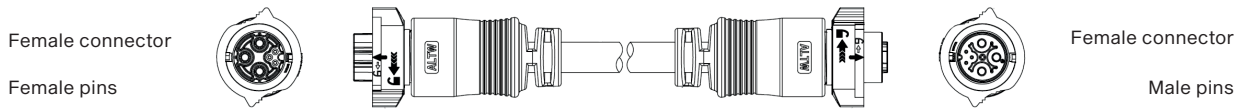
Female connector

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

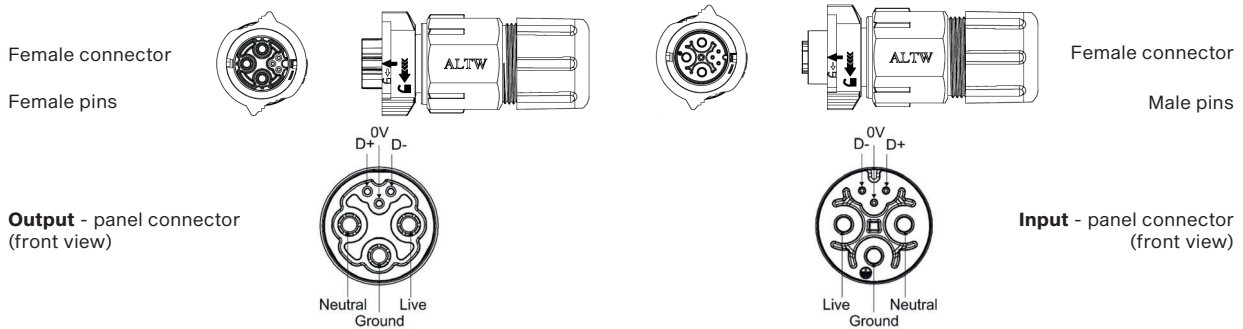
Female pins

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

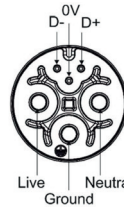
Female connector

Male pins

**Output** - panel connector  
(front view)

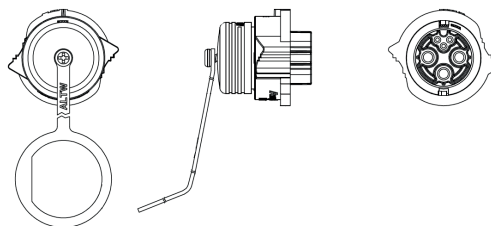


**Input** - panel connector  
(front view)



**Waterproof End Cap**

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



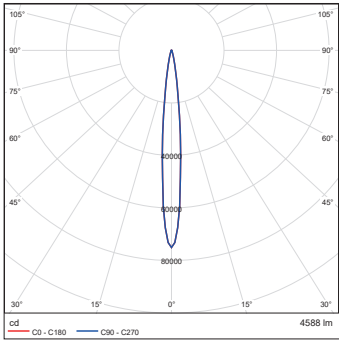
**Cable lengths available**

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	-
<b>Other lengths</b>	On Request	

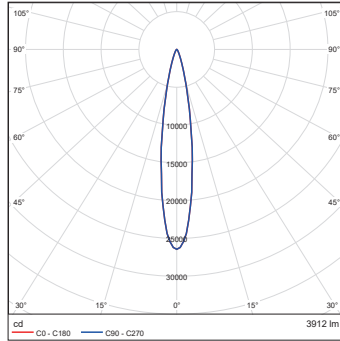
PHOTOMETRIC DATA

Eminere 4 RGBCW 9dg



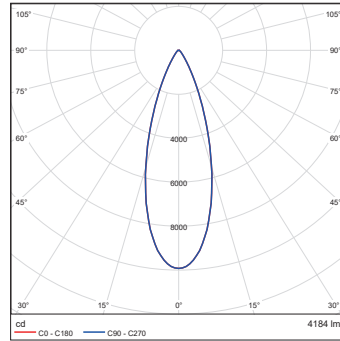
Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(5.3°) E(C270)	Illuminance [lx]
0.50	0.09	300195	148136	
1.0	0.18	75049	37284	
1.5	0.28	33355	16571	
2.0	0.37	18762	9121	
2.5	0.46	12008	5965	
3.0	0.56	8339	4143	

Eminere 4 RGBCW 15dg



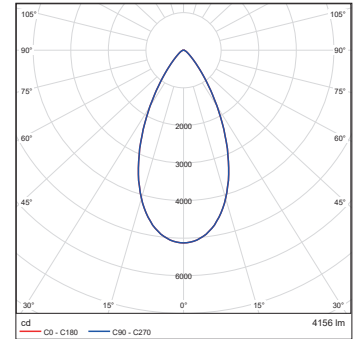
Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(8.9°) E(C270)	Illuminance [lx]
0.50	0.16	105716	51134	
1.0	0.31	26429	12784	
1.5	0.47	11746	5682	
2.0	0.63	6607	3196	
2.5	0.78	4229	2045	
3.0	0.94	2837	1420	

Eminere 4 RGBCW 30dg



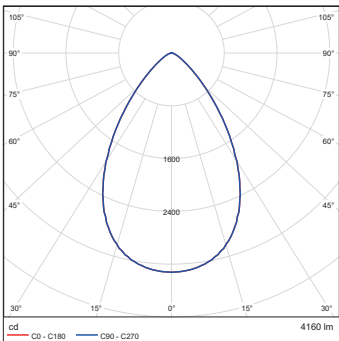
Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(16.9°) E(C270)	Illuminance [lx]
0.50	0.30	39891	17621	
1.0	0.61	9923	4386	
1.5	0.91	4410	1947	
2.0	1.2	2481	1095	
2.5	1.5	1588	701	
3.0	1.8	1103	487	

Eminere 4 RGBCW 50dg



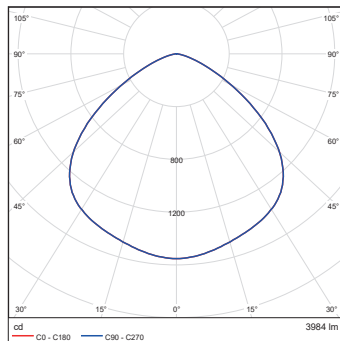
Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(25.7°) E(C270)	Illuminance [lx]
0.50	0.48	2054	7911	
1.0	0.96	5126	1878	
1.5	1.4	2278	835	
2.0	1.9	1282	469	
2.5	2.4	820	300	
3.0	2.9	570	209	

Eminere 4 RGBCW 65dg



Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(33.6°) E(C270)	Illuminance [lx]
0.50	0.66	13290	3853	
1.0	1.3	3323	963	
1.5	2.0	1477	428	
2.0	2.7	831	241	
2.5	3.3	532	154	
3.0	4.0	369	107	

Eminere 4 RGBCW 100dg

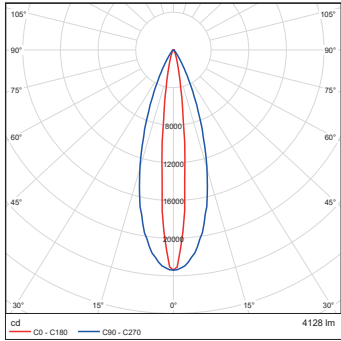


Distance [m]	Cone diameter [m]	E(0°) E(C0)	E(53.6°) E(C270)	Illuminance [lx]
0.50	1.4	6209	662	
1.0	2.7	1542	163	
1.5	4.1	690	72	
2.0	5.4	388	41	
2.5	6.8	248	26	
3.0	8.1	172	18	

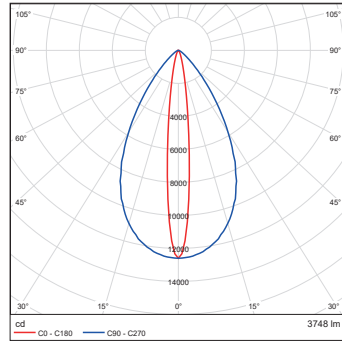


PHOTOMETRIC DATA

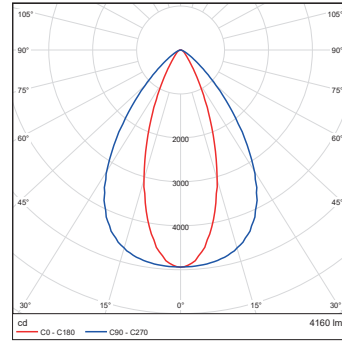
Eminere 4 RGBCW 10dg x 30dg



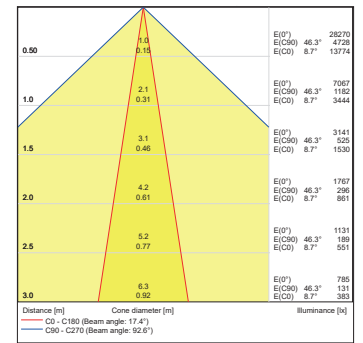
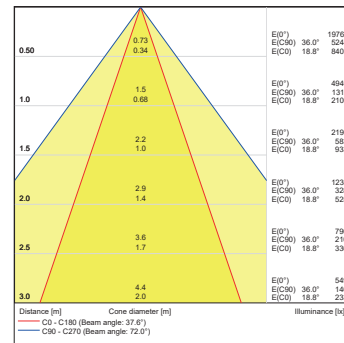
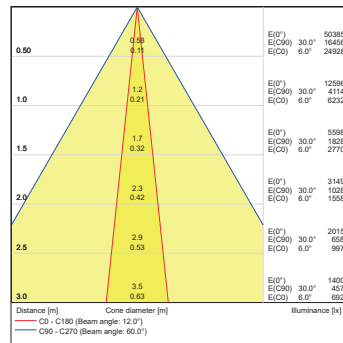
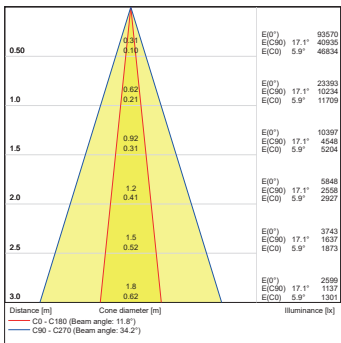
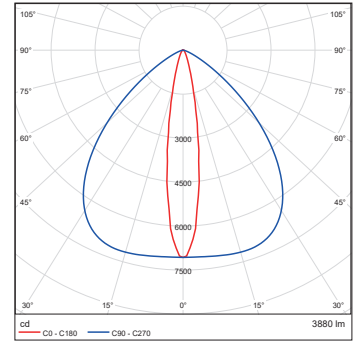
Eminere 4 RGBCW 10dg x 60 dg



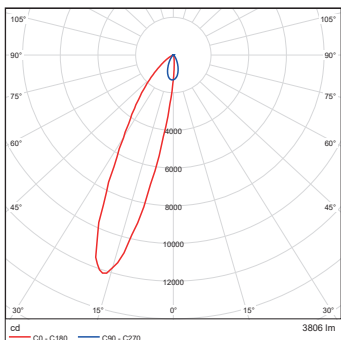
Eminere 4 RGBCW 35dg x 70dg



Eminere 4 RGBCW 15dg x 90dg



Eminere 4 RGBCW WallWasher



Eminere 4 RGBCW Wide WallWasher

