

# 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 with over 10 years experience in their field, 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 architectural 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 also available for harsh environmental conditions.

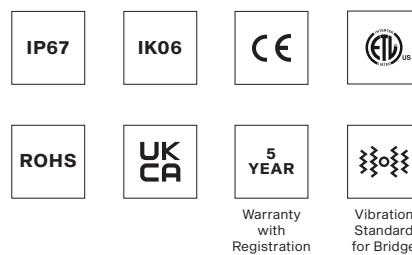
## COLOURS



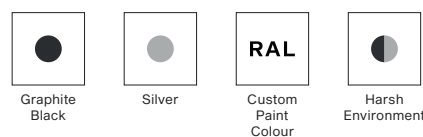
## CONTROL & PROTOCOLS



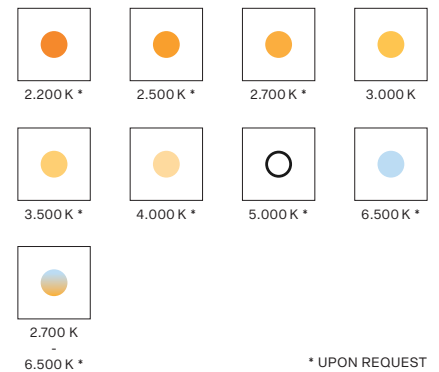
## STANDARD & SPECIFICATION



## FINISH OPTIONS

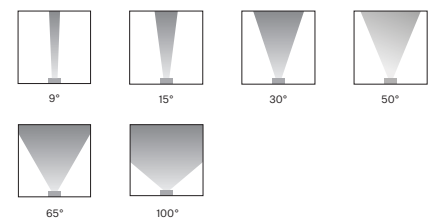


## COLOUR TEMPERATURE

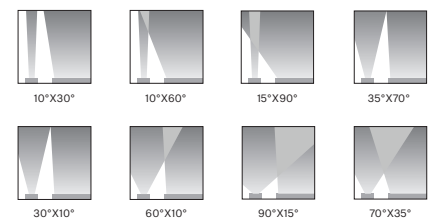


## OPTIC OPTIONS

### SYMMETRICAL



### BI-SYMMETRICAL



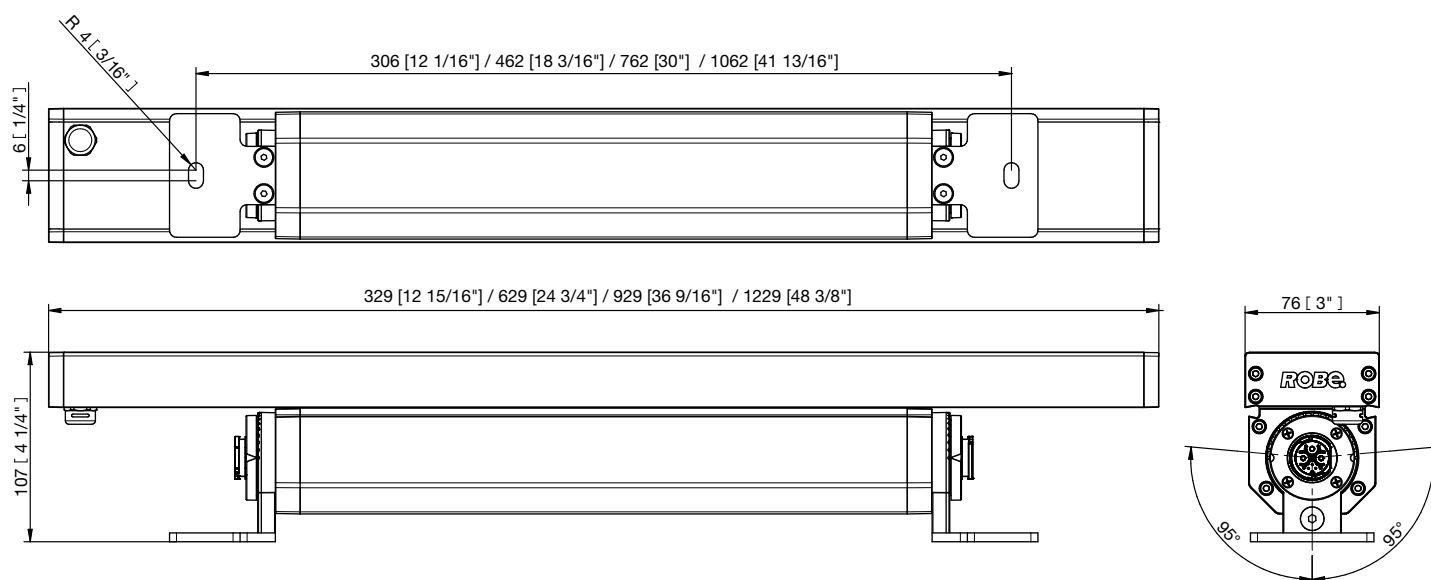
### ASYMMETRICAL



EMINERE 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 or Wireless DMX (excluded Eminere 1)			
	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	144 of Eminere 1 (@ 230 V and 40m cable) via 1 Output		
		E-box Daisy	144 of Eminere 1 (@ 230 V and 40m cable) via 1 Output		
E-box Star		144 of Eminere 1 (@ 230 V and 40m 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	
	Housing	High Pressure Extruded Aluminium Body   End Caps - Die-Cast Aluminium   Tempered Glass			
	Finish Options	Standard Colour	Graphite Black (RAL 9011)   Silver (RAL 9006)		
		Cost Option	Custom RAL   Harsh Environment (RAL 9016, RAL 9011)		
	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)			
<b>CERTIFICATION</b>	Listings	ETL / cETL, CE, RoHS, UKCA			
	Mounting Brackets	Mounting Brackets 50   100   200   300 mm   custom length			
<b>ACCESSORIES</b>	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			
	Cables and Connectors	Field Installable Connector FF	Field Installable Connector FM		
		Cable CE WCA	Cable US WCA		
		Waterproof Cover Cap FM ZAHB-0006			
		<b>CE/UL Leader Cables FF for Eminere:</b>	Leader Cable FF 2   5   10   25   50 m		
<b>CE/UL Jumper Cables FF/FM for Eminere:</b>	Jumper Cable 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

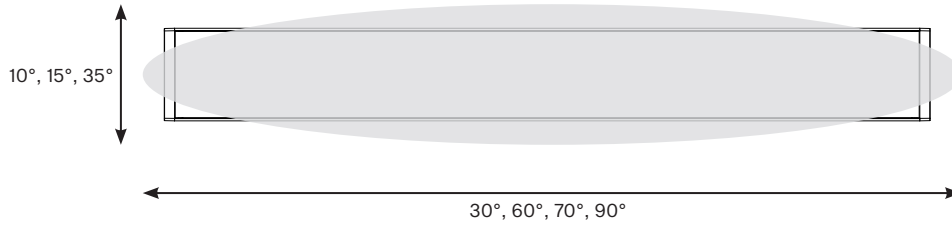
**PHOTOMETRIC OVERVIEW**

Based on RGBW version, all leds @ full

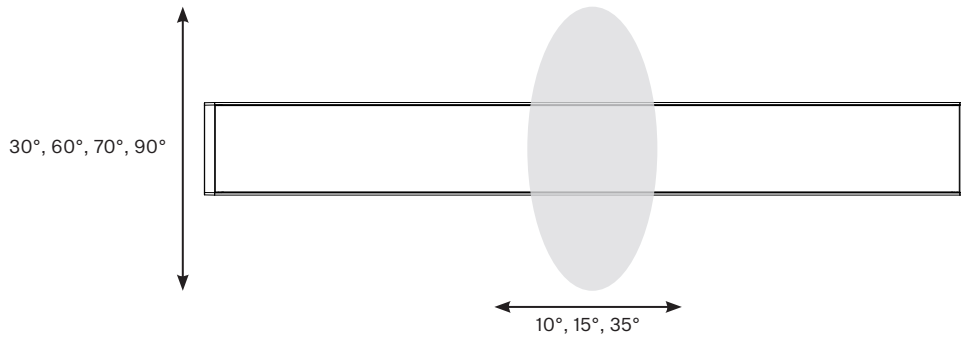
	Lumen Output (lm)			
	EMINERE 1	EMINERE 2	EMINERE 3	EMINERE 4
<b>9°</b>	1147	2 294	3 441	4 588
<b>15°</b>	978	1 956	2 910	3 912
<b>30°</b>	1 046	2 092	3 138	4 184
<b>50°</b>	1 039	2 078	3 117	4 156
<b>65°</b>	1 040	2 080	3 120	4 160
<b>100°</b>	996	1 992	2 988	3 984
<b>10° x 30°</b>	1 032	2 064	3 096	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°



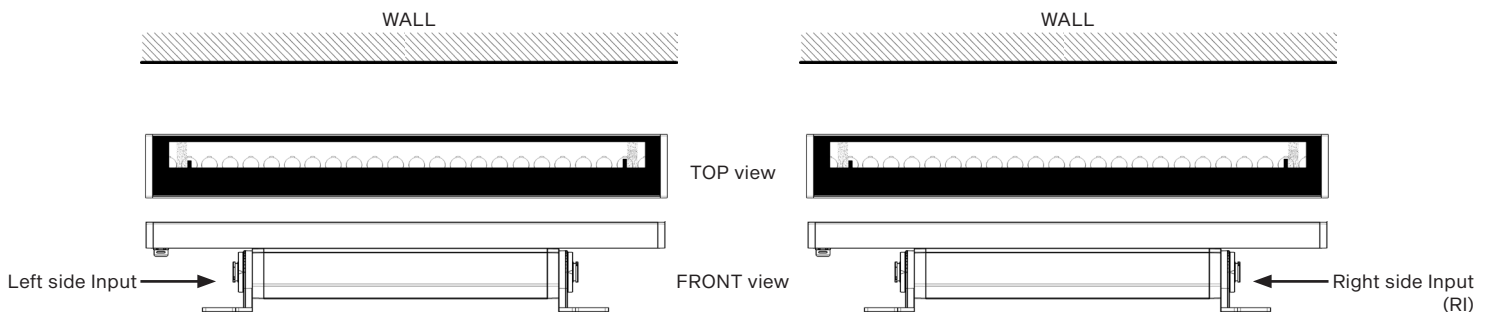
Bi-symmetrical: 30°x10°, 60°x10°, 70°x35°, 90°x15°



**EMINERE WALLWASHER INPUT OPTIONS**

STANDARD

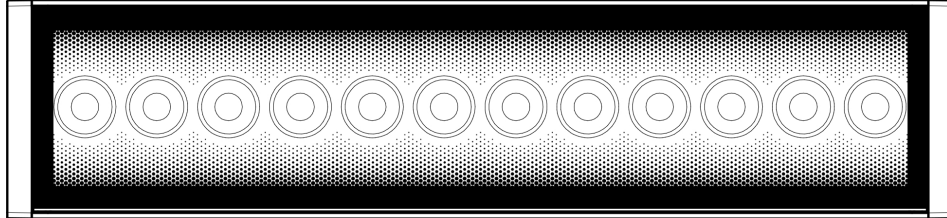
UPON REQUEST



COLOUR MIXING PRINTS

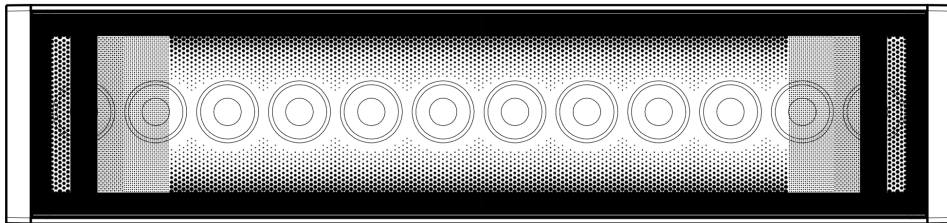
**STAND ALONE** Specially designed glass printing to achieve optimal colour mixing and intensity distribution.

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

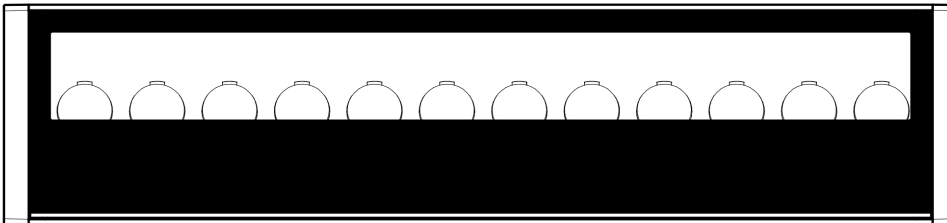


HEAD2HEAD

SYMMETRICAL

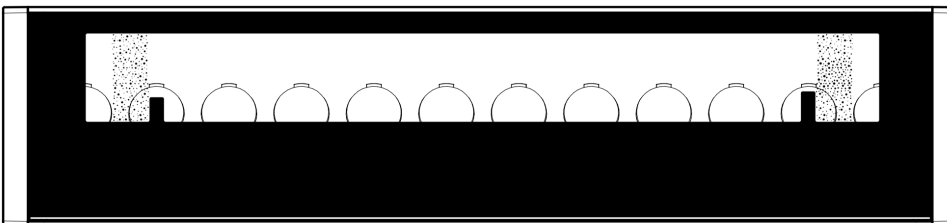


STAND ALONE



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**

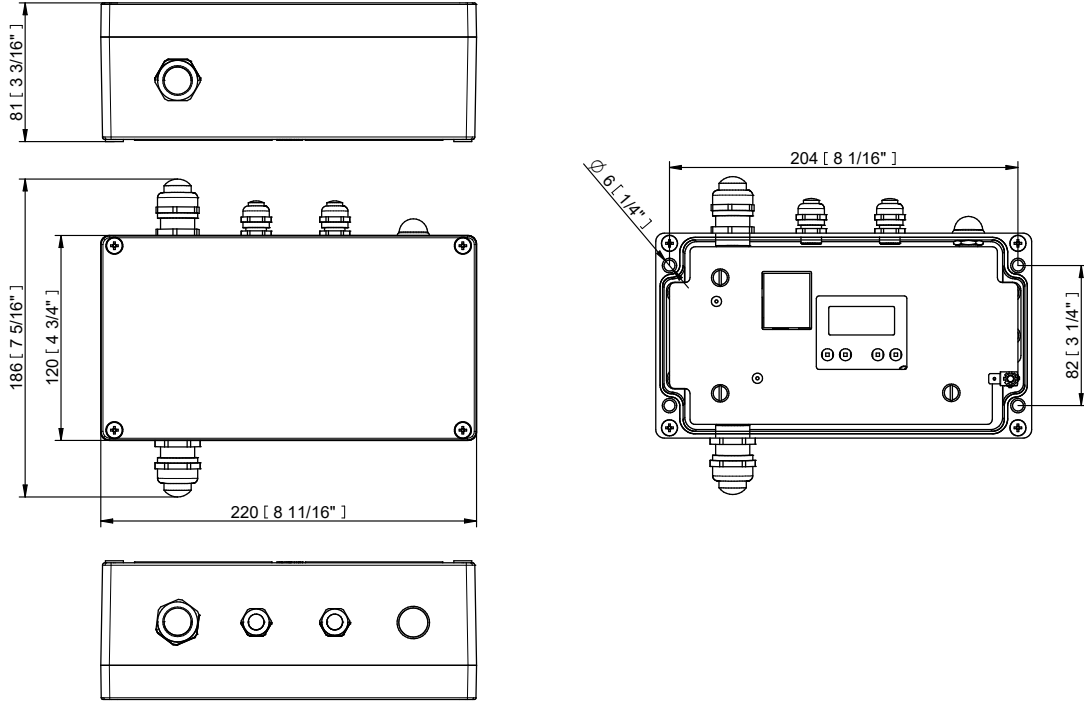
<b>ELECTRICAL</b>	Input Voltage	120 – 277 V AC 50/60 Hz		
	Wireless DMX (Option)	Lumen Radio CRMX Technology		
	Interface Protocol	<b>E-box Lite:</b> USITT DMX512, RDM		
		<b>E-box Daisy / Star:</b> USITT DMX512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net		
Operating Modes	<b>E-box Lite / Daisy:</b> 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>	144 of Eminere 1 (@ 230 V and 40m cable) via 1 Output	
		<b>E-box Daisy</b>	144 of Eminere 1 (@ 230 V and 40m cable) via 1 Output	
		<b>E-box Star</b>	144 of Eminere 1 (@ 230 V and 40m 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**

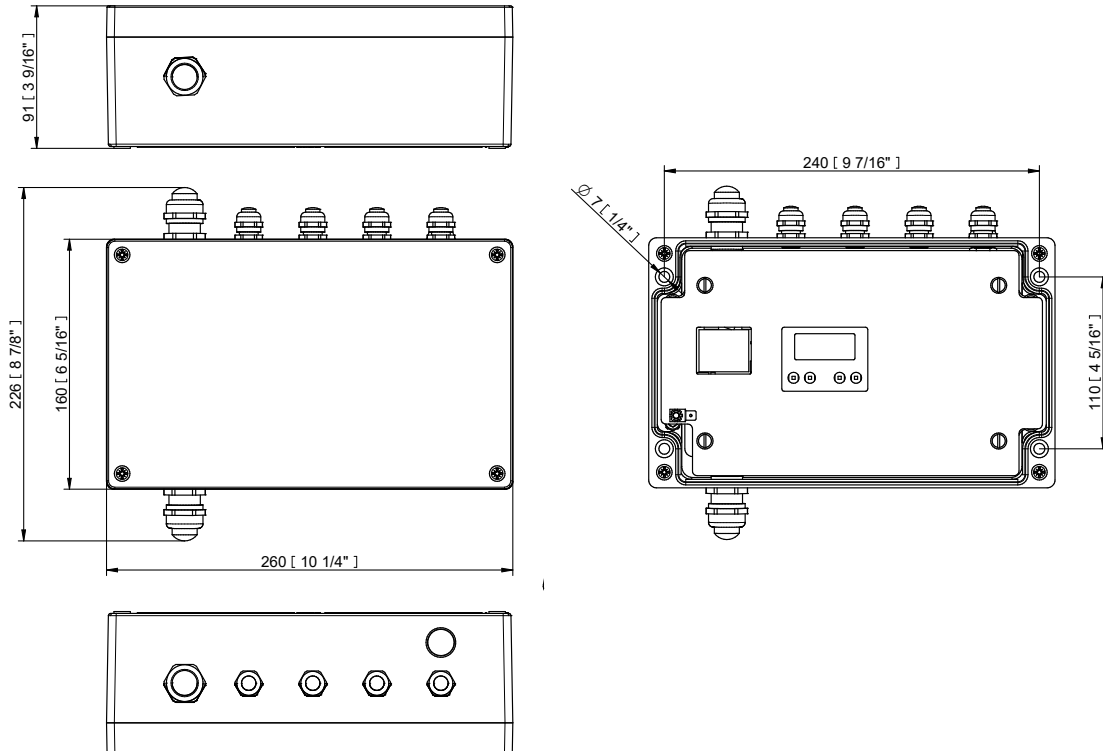
	<b>E-BOX LITE</b>	<b>E-BOX DAISY</b>	<b>E-BOX STAR</b>
<b>Power input</b>	1	1	1
<b>Fixture Output</b>	1	1	6
<b>Total load (current)</b>	16A	16A	16A
<b>DMX control</b>	YES	YES	YES
<b>RDM</b>	YES	YES	YES
<b>Art-Net</b>	NO	YES	YES
<b>Ethernet switch</b>	NO	YES	YES
<b>Kling-Net</b>	NO	YES	YES
<b>sACN</b>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

E-BOX DIMENSIONS

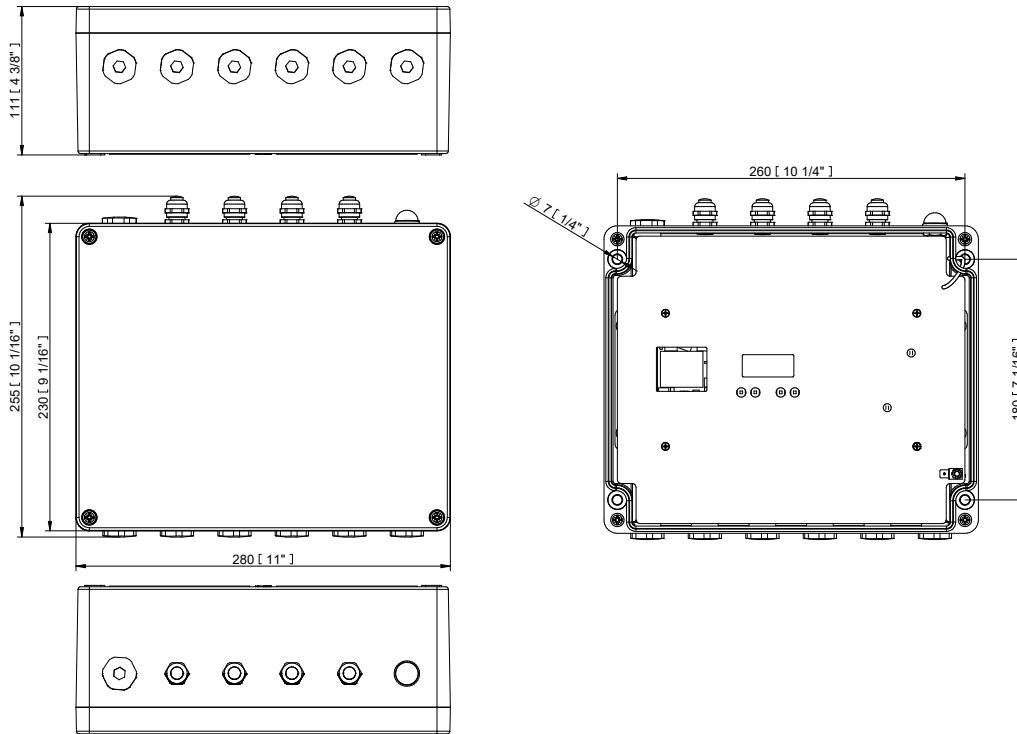
E-BOX LITE



E-BOX DAISY



E-BOX STAR

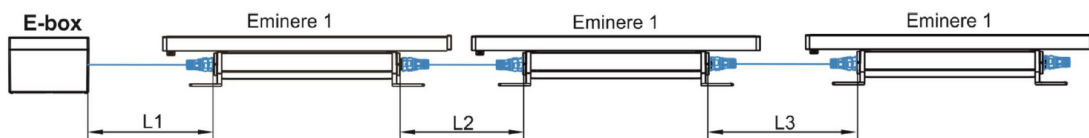


CONNECTIVITY

Following table shows maximum connected Emineres on each output of E-Box with respect of cable length.

	Cable length (m)	Voltage (V)						Cable length (m)	Voltage (V)				
		100	120	190	230	277			100	120	190	230	277
EMINERE 1	10	69	83	131	159	191	EMINERE 3	10	23	28	44	53	64
	20	61	83	131	159	191		20	20	28	44	53	64
	30	40	58	131	159	191		30	13	19	44	53	64
	50	24	35	88	128	186		50	8	12	29	43	62
	70	17	25	63	92	133		70	6	8	21	31	44
	100	12	17	44	64	93		100	4	6	15	21	31
	200	6	9	22	32	47		200	2	3	7	11	16
EMINERE 2	10	34	41	64	78	94	EMINERE 4	10	17	21	33	40	48
	20	30	41	64	78	94		20	15	21	33	40	48
	30	20	28	64	78	94		30	10	15	33	40	48
	50	12	17	43	63	91		50	6	9	22	32	47
	70	8	12	31	45	65		70	4	6	16	23	38
	100	6	9	21	31	46		100	3	4	11	16	23
	200	3	4	11	16	23		200	2	2	5	8	12

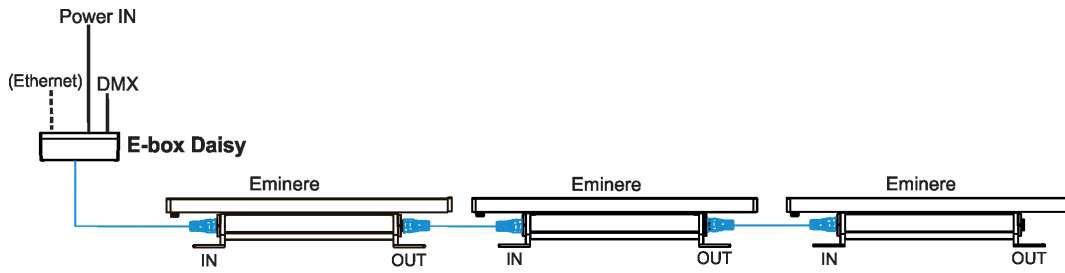
\* Cable length is a total cable length between E-box and last connected Eminere. Example: Total cable length=L1+L2+L3



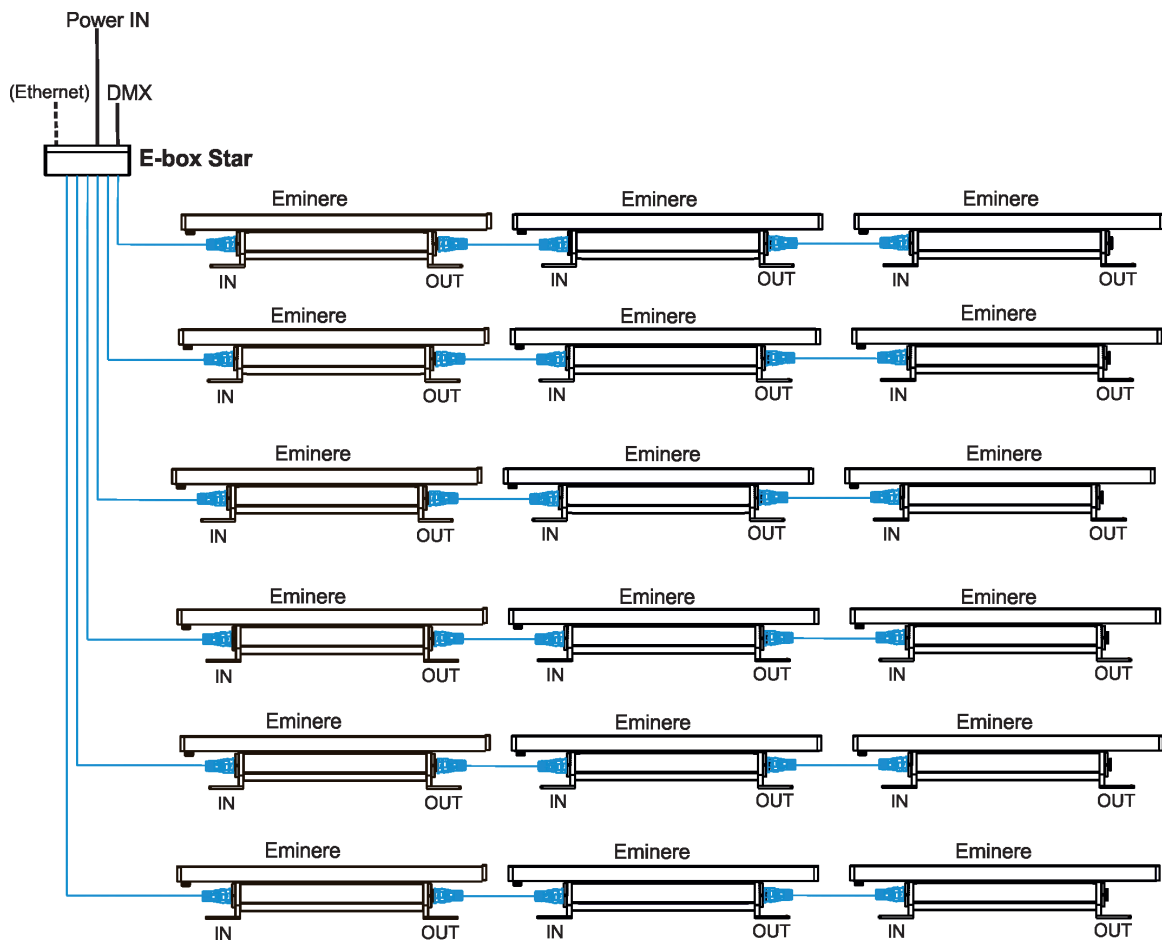


**CONNECTION**

**E-BOX LITE / DAISY**

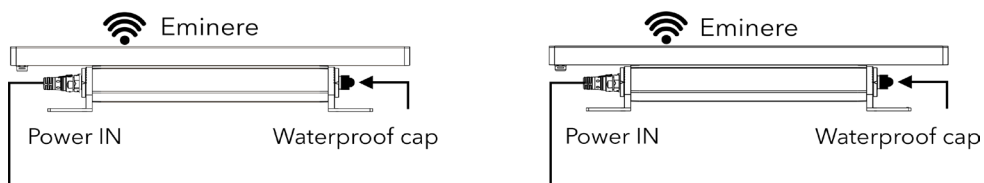


**E-BOX STAR**



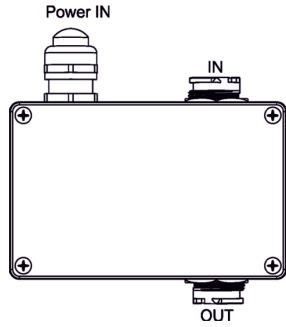
**CONNECTION - WIRELESS VERSION**

Connection setup, where every Eminere is independently accepting data from WIFI.

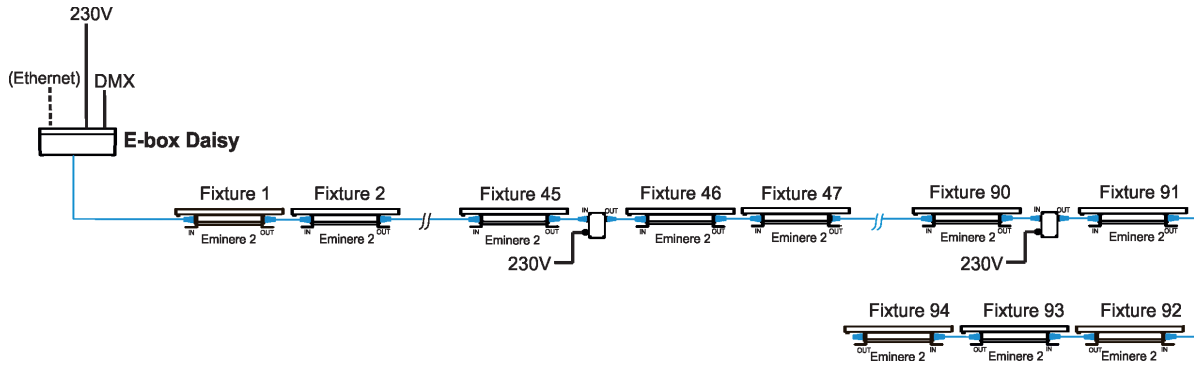


**THE BOOSTER BOX**

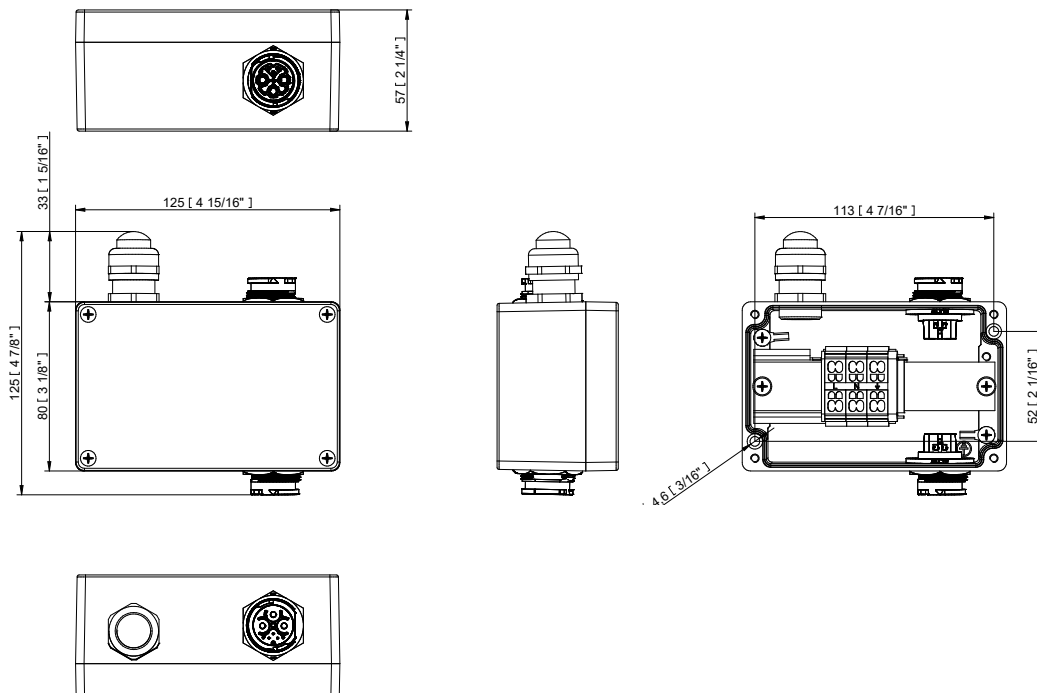
To compensate a voltage drop in a large installation, the Booster boxes have to be connected in the chain of Eminere modules.



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**



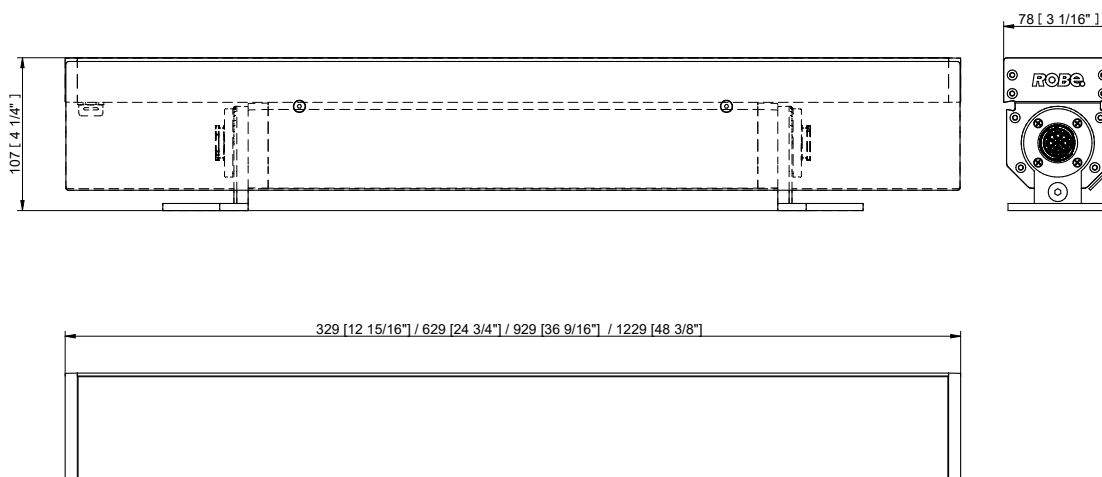
**BOOSTER BOX POSITIONS**

	Cable length (m)	Max. number of Emineres 1 = 191 (in Standard mode)			
		120 V	190 V	230 V	277 V
EMINERE 1	10 m	83,166	131	159	-
	20 m	83,166	131	159	-
	30 m	58,116,174	131	159	-
	50 m	35,70,105,140,175	88,176	128	186
	70 m	25,50,75,100,125,150,175	63,126,189	92,184	133
	100 m	17,34,51,68,85,102,119,136,153,170,187	44,88,132,176	64,128	93,186
	200 m	9,18,27,36,45,54,60,72,81,90,99,108,117,126,135,144, 153,162,171,180,189,	22,44,66,88,110,132,154,176	32,64,96,128,	47,94,141,188

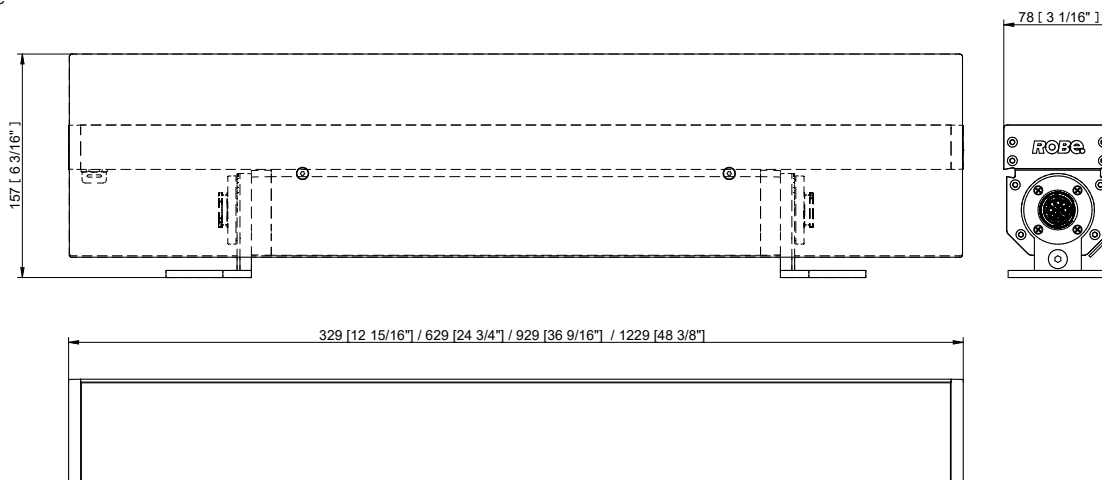
**NOTE:** For more detail see the User manual.

**ACCESSORIES**

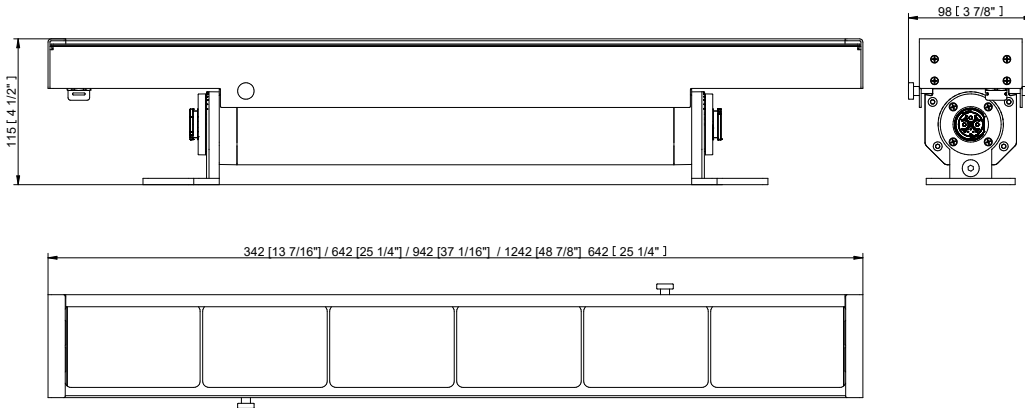
Cable Cover for Eminere



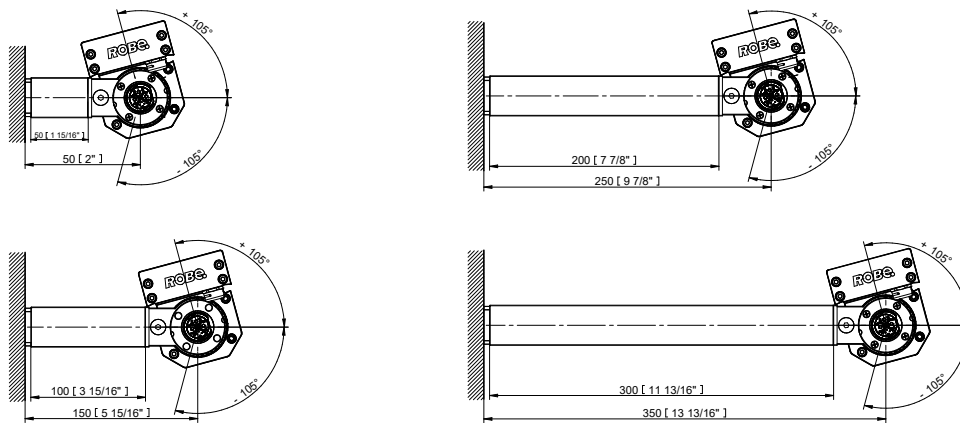
Shield for Eminere



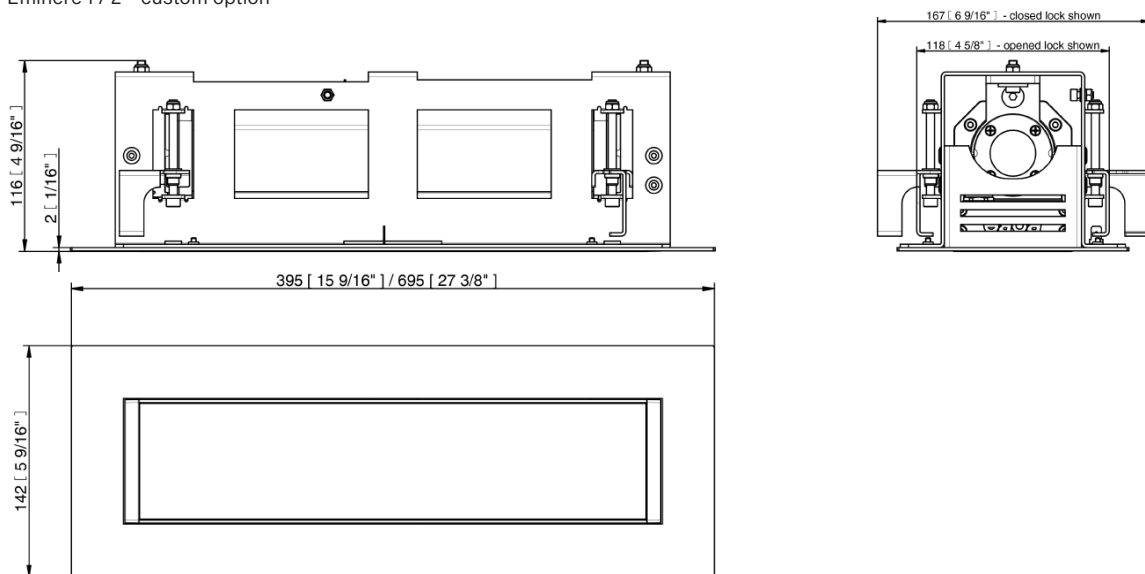
Optical Demo Set



Mounting brackets



Ceiling Adaptor for Eminere 1 / 2 - custom option

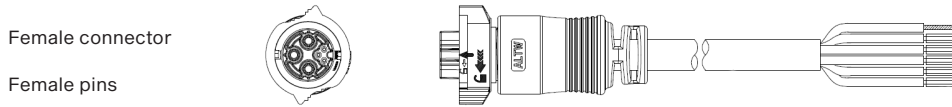


**NOTE: This option requires possibility to connect cables to the fixture above a false ceiling. For other connection options please contact the factory.**

**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.



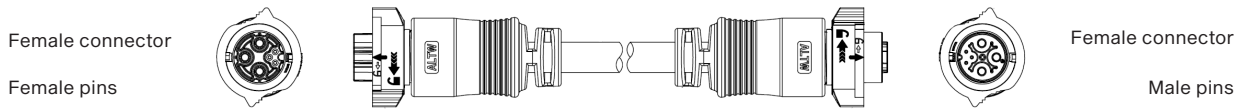
Female connector

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

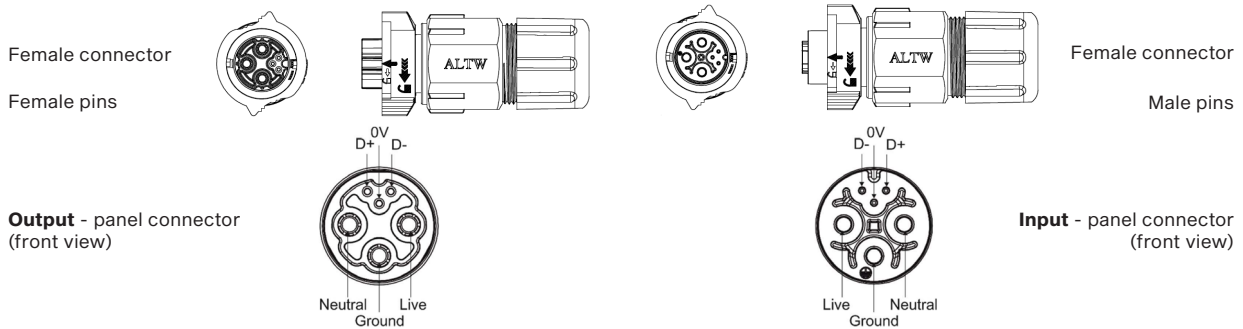
Female pins

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.



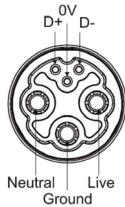
Female connector

Female pins

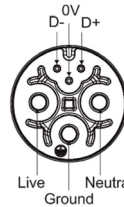
Female connector

Male pins

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

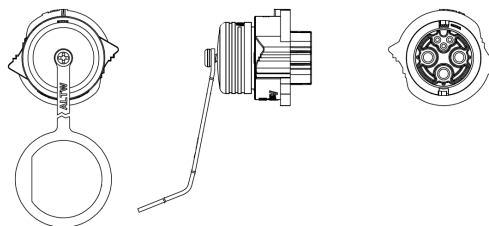


**Input** - panel connector  
(front view)



**Waterproof End Cap**

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



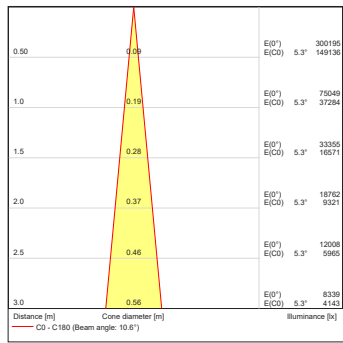
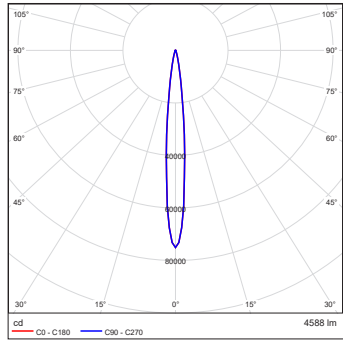
**Cable lengths available**

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

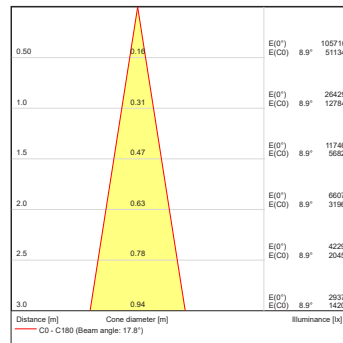
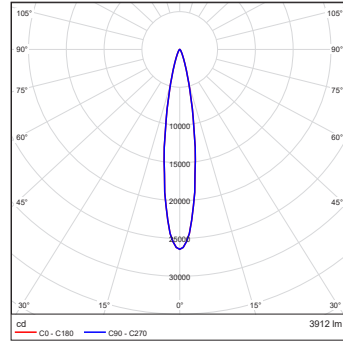
IN METRES	LEADER CABLE	JUMPER CABLE
5	YES	YES
10	YES	YES
25	YES	-
50	YES	-
<b>Other lengths</b>	On Request	

PHOTOMETRIC DATA

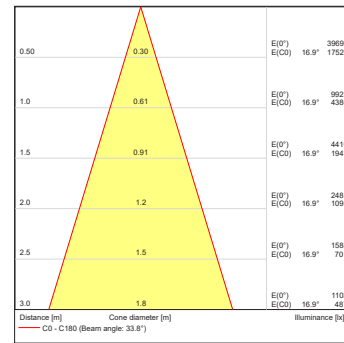
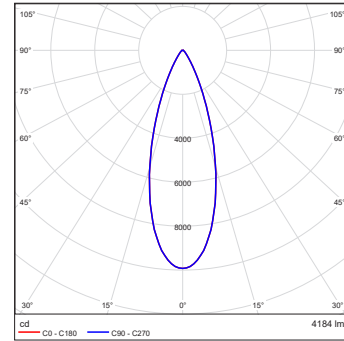
Eminere 4 RGBCW 9dg



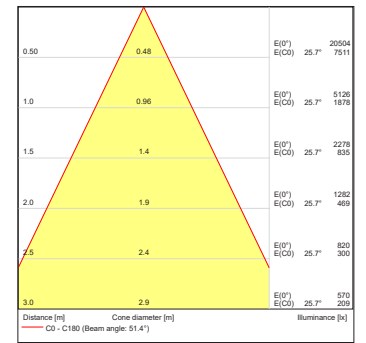
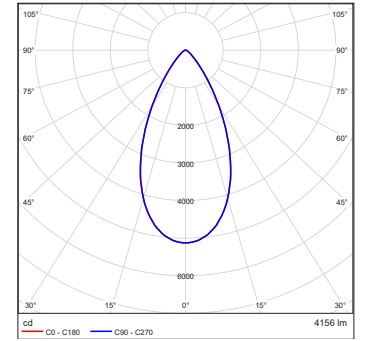
Eminere 4 RGBCW 15dg



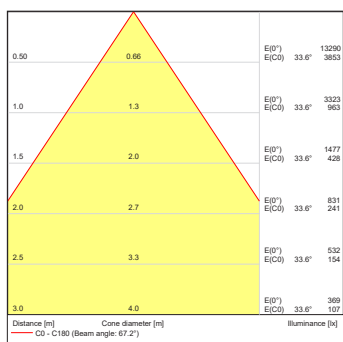
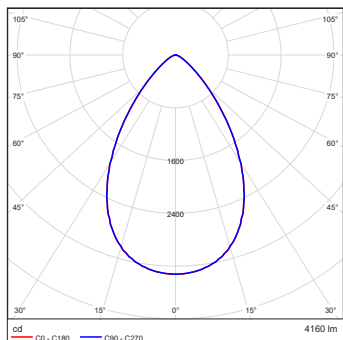
Eminere 4 RGBCW 30dg



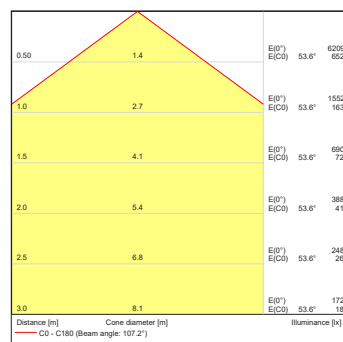
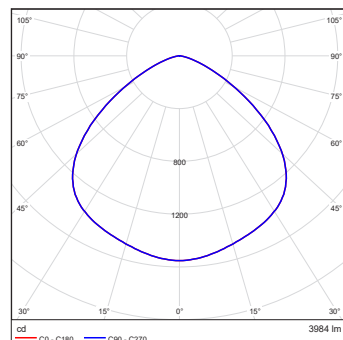
Eminere 4 RGBCW 50dg



Eminere 4 RGBCW 65dg

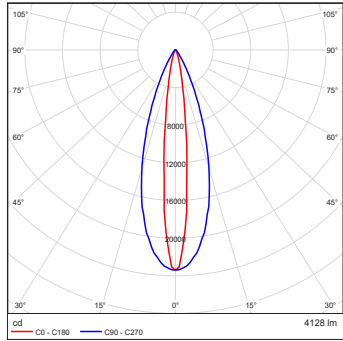


Eminere 4 RGBCW 100dg

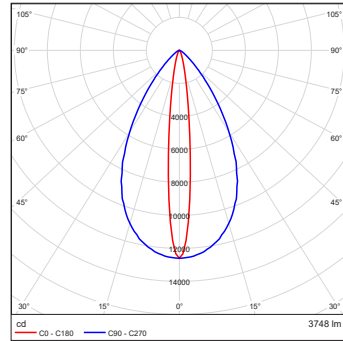


PHOTOMETRIC DATA

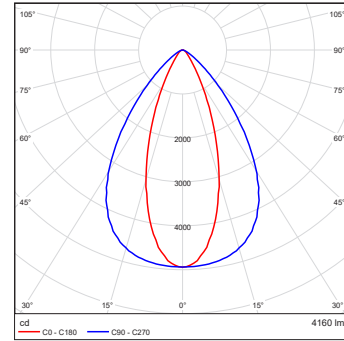
Eminere 4 RGBCW 10dg x 30dg



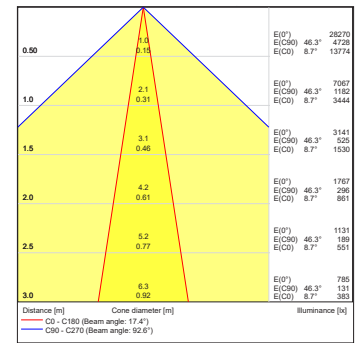
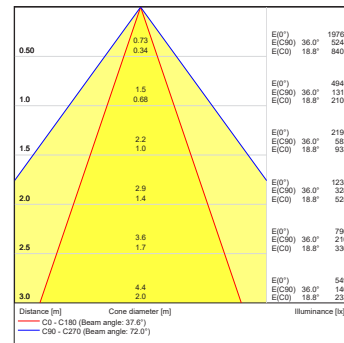
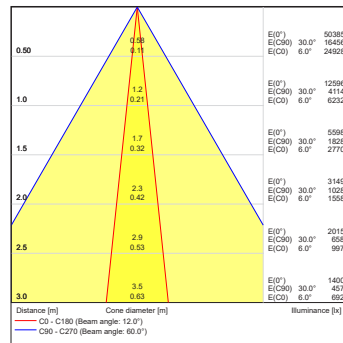
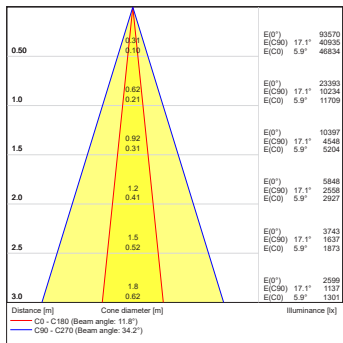
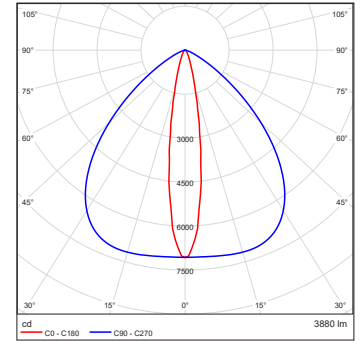
Eminere 4 RGBCW 10dg x 60 dg



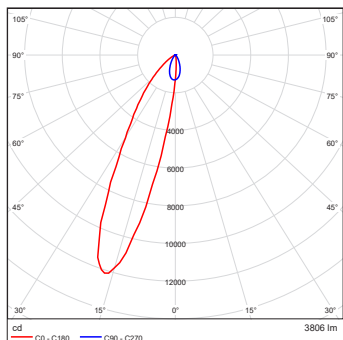
Eminere 4 RGBCW 35dg x 70dg



Eminere 4 RGBCW 15dg x 90dg



Eminere 4 RGBCW WallWasher



Eminere 4 RGBCW Wide WallWasher

