

EMINERE® INGROUND 1 / 2 / 4 II

Eminere Inground II is a robust luminaire designed to be installed into the ground. A stainless steel installation sleeve provides rust protection as well as “armour” for the Eminere fixture itself. Overall, Eminere Inground II comes with an IP67 protection factor, standard or Anti-skid glass, and as always, perfect colour mixing. With ±15° tilt adjustment, precision optics with wide range of beam angles and colour variants, in-ground version of the Eminere luminaire is great choice for an exterior applications such as flood lighting, wall grazing, wall washing and accent lighting.



KEY FEATURES

Application

Anti-skid glass option for pedestrian areas application. Easy to install into soft and hard ground.

Light Source

Full spectral LEDs selection with custom option on request. Output up to 2.019 lm for Eminere Inground 2 II RGBW. Long LED lifetime over 90,000 hrs. Manually adjustable tilt 0-15° for fine adjustment of light beam.

Durability

High durability with ingress factor of IP67 and walkover housing for highest durability requirements.

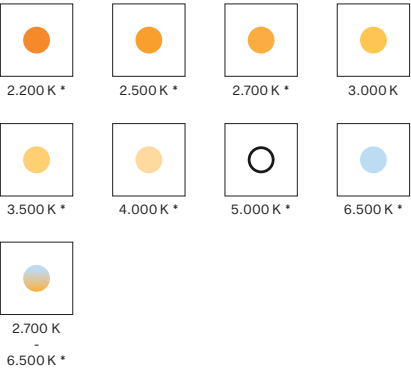
COLOURS

* UPON REQUEST



COLOUR TEMPERATURE

* UPON REQUEST



CONTROL & PROTOCOLS



FINISH OPTIONS

* CLOSEST RAL TONE

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



FIXTURE

Graphite Black
RAL 9011*

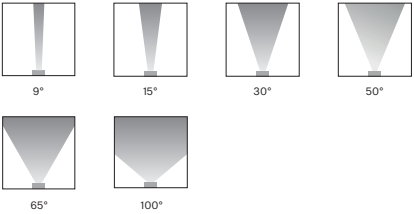


SLEEVE & COVER PLATES

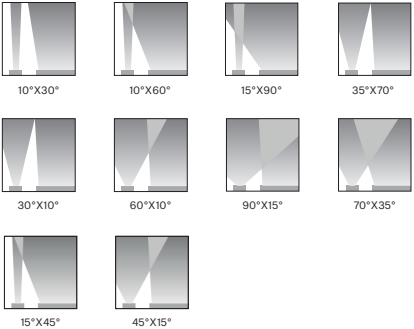
Stainless
Steel

OPTIC OPTIONS

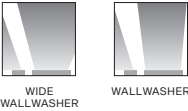
SYMMETRICAL (CLEAR GLASS)



BI-SYMMETRICAL (CLEAR GLASS)



ASYMMETRICAL



STANDARD & SPECIFICATION

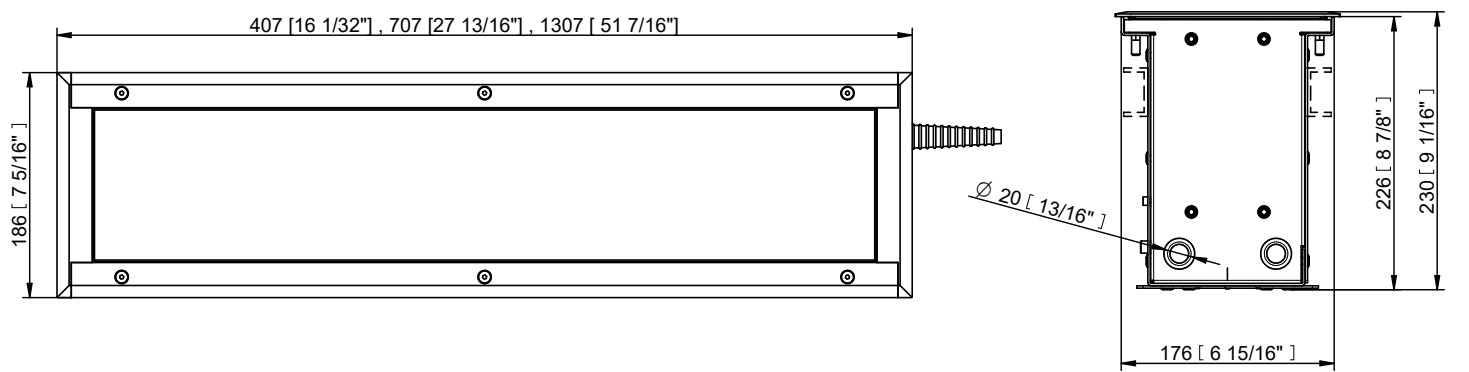


SPECIFICATION

ELECTRICAL	Input Voltage	120 - 277 V AC 50/60 Hz		
	Typical Power Consumption	Eminere Inground 1 II: 30 W	Eminere Inground 2 II: 50 W	Eminere Inground 4 II: 90 W
OPTICAL	Light Source	12, 24, 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) 2200 K 2500 K 2700 K 3500 K 4000 K 5000 K 6500 K)		
	Beam Angle	Symmetrical	Clear Glass: 9° 15° 30° 50° 65° 100° Anti-Skid: 18° 22° 35° 50° 65° 100°	
		Bi-symmetrical	Clear Glass: 10°x30° 10°x60° 15°x45° 15°x90° 35°x70° 30°x10° 60°x10 45°x 15° 90°x15° 70°x35° Anti-Skid: 20°x35° 20°x50° 20°x65° 20°x90° 40°x70° 35°x20° 50°x 20° 65°x20° 90°x20 70°x40°	
		Asymmetrical	Wallwasher Wide Wallwasher	
	Lumen Output Delivered	Eminere Inground 1 II	1.010 lm, RGBW @ 9° (Clear Glass) 1.011 lm, RGBW @ 18° (Anti-Skid)	
		Eminere Inground 2 II	2.019 lm, RGBW @ 9° (Clear Glass) 2.021 lm, RGBW @ 18° (Anti-Skid)	
		Eminere Inground 4 II	4.038 lm, RGBW @ 9° (Clear Glass) 4.042 lm, RGBW @ 18° (Anti-Skid)	
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F			
CONTROL	Interface Protocol	Via E-Box range, Wireless DMX, ON/OFF (PW or Single color only), DALI 2		
	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	Max. 32 pcs of Eminere Inground 1/ 2 / 4 II	
PHYSICAL	Width x Height x Length	Eminere Inground 1 / 2 / 4 II:	186 x 230 x 407 / 707 / 1307 mm (7.32 x 9.05 x 16.02 / 27.83 / 51.46 in.)	
	Weight	12.8 kg / 28.2 lbs	(8.5 kg / 18.7 lbs Eminere Inground 1 II Fixture, (5.5 kg / 12.1 lbs Install. Sleeve)	
		19.6 kg / 43.2 lbs	(12 kg / 26.4 lbs Eminere Inground 2 II Fixture, 9.5 kg / 20.9 lbs Install. Sleeve)	
		35.4 kg / 78.1 lbs	(21 kg / 46.2 lbs Eminere Inground 4 II Fixture, 18.7 kg / 41.1 lbs Install. Sleeve)	
	Housing	High Pressure Extruded Aluminium Body End Caps - Die-Cast Aluminium Tempered Glass		
		Anti-Skid (Option) Stainless Steel Instalation sleeve for pre-installation		
	Finish Options	Fixture	Graphite Black RAL 9011 Harsh Environment Graphite Black RAL 9011 (Cost option)	
		Sleeve & Cover Plates	Stainless Steel	
	Connections	Junction Box		
	Mounting Method	Inground mount		
	Adjustability	Tilt 0° -15° (except Wallwasher version)		
	Protection Factor (IP IK)	IP67 / Suitable For Wet Locations		IK10
	Max. Static Load	Standard Tempered Glass: 45kN		Anti-Skid Tempered Glass: 23kN
	Cooling System	Convection		
	Operating Ambient Tempe- rature	-20 °C / +40 °C (-4 °F / +104 °F)		
Operating Temperature	+80 °C @ Ambient +40 °C (+176 °F @ Ambient +104 °F)			
CERTIFICATION	Listings	ETL / cETL, CE, RoHS, UKCA		
	Anti - Skid Glass Certifi- cation	UNE ENV12633 (Class 3), DIN 51130 (R-12), DIN 51097 (Class B), ASTM C 1028-07 (DRY: ≥ 0,7, WET: ≥ 0,6), EN101:91 MOHS (4-Point scale)		

Not Included Items		
ACCESSORIES	Mounting	Eminere Inground Mounting Sleeve
		Eminere Inground Cover Plate Continuous (always packed with 1x Cover Plate Middle)
		Eminere Inground Trim StandAlone
		Eminere Inground Cover Plate End
	Cables	Cable CE WCA Cable US WCA

DIMENSIONS



PHOTOMETRIC OVERVIEW

Based on RGBCW (CLEAR GLASS) version, all leds @ full

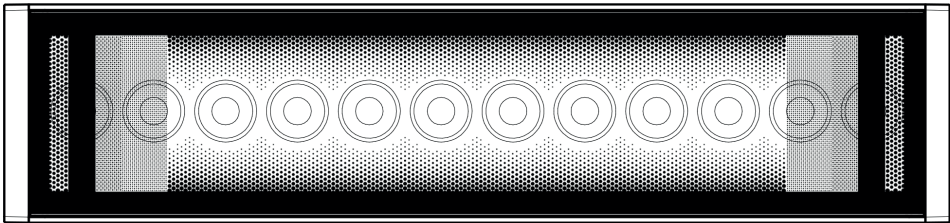
Based on RGBCW (ANTI-SKID GLASS) version, all leds @ full

Lumen Output (lm)			Lumen Output (lm)		
EMINERE INGROUND 2 II		EMINERE INGROUND 4 II	EMINERE INGROUND 2 II		EMINERE INGROUND 4 II
9°	2 019	4 038	18°	2 021	4 042
15°	1 721	3 442	22°	1 861	3 722
30°	1 841	3 682	35°	1 802	3 604
50°	1 829	3 658	50°	1 773	3 546
65°	1 830	3 660	65°	1 708	3 416
100°	1 696	3 392	100°	1 568	3 136
10° x 30°, 30° x 10°	1 816	3 632	20° x 35°, 35° x 20°	1 843	3 686
10° x 60°, 60° x 10°	1 649	3 298	20° x 65°, 65° x 20°	1 769	3 538
15° x 90°, 90° x 15°	1 707	3 414	20° x 90°, 90° x 20°	1 752	3 504
35° x 70°, 70° x 35°	1 830	3 660	40° x 70°, 70° x 40°	1 786	3 572
WallWasher	1 676	3 352	WallWasher	1 664	3 328
Wide WallWasher	1 388	2 776	Wide WallWasher	1 301	2 602

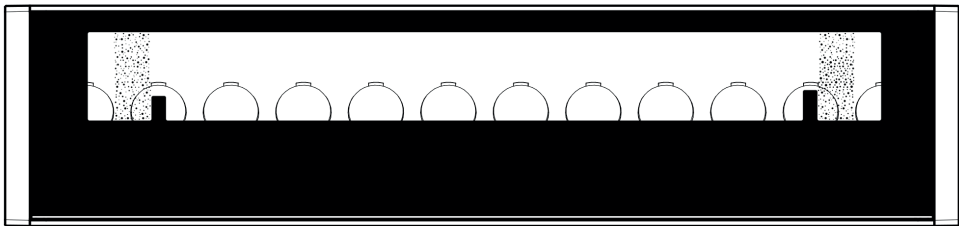
COLOUR MIXING PRINTS

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

SYMMETRICAL



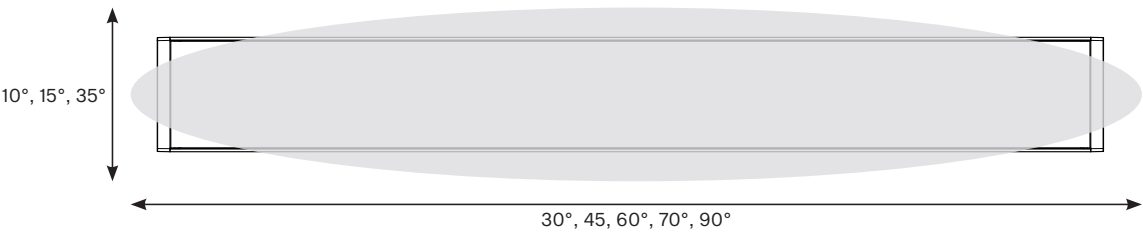
WALLWASHER



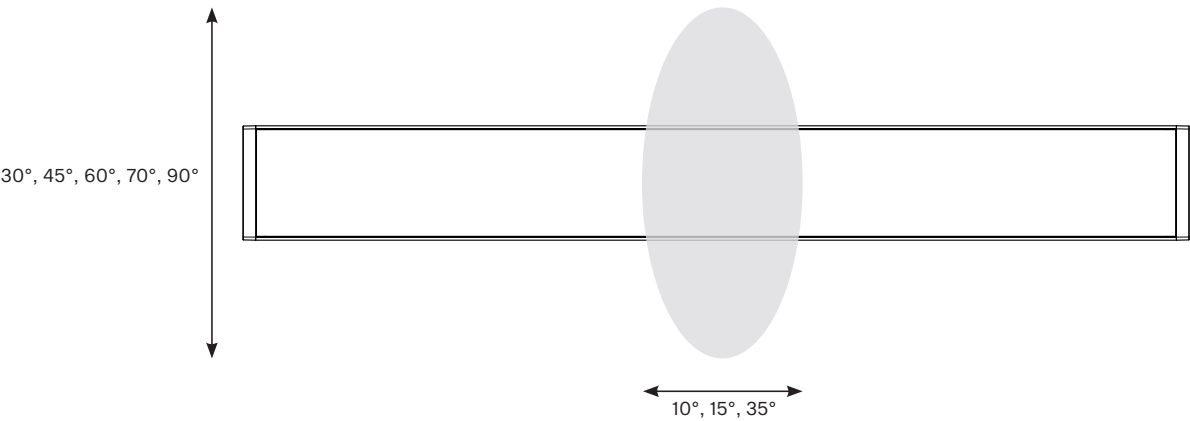
Note: Applies for RGBW, RGBA versions. Pure white and Tunable white versions are always without the end print (no matter on their position to other fixture).

BI-SYMMETRICAL OPTIC OPTIONS

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



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



E-BOX SPECIFICATION

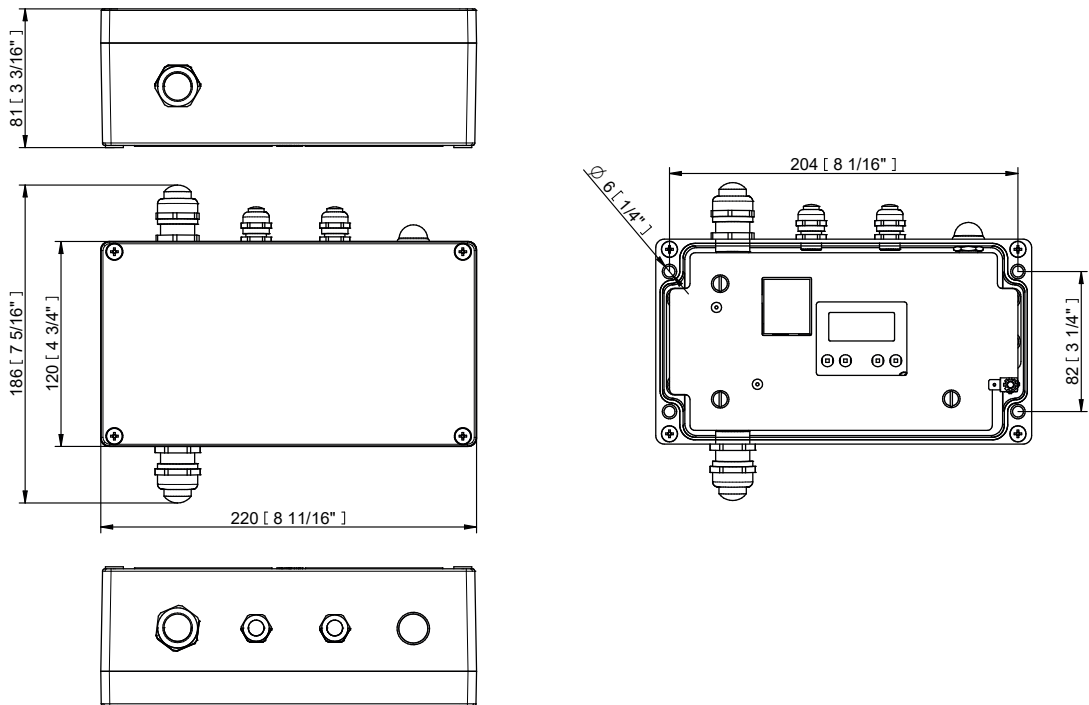
ELECTRICAL	Input Voltage	120 – 277 V AC 50/60 Hz		
	Wireless DMX (Option)	Lumen Radio CRMX Technology		
CONTROL	Interface Protocol	E-box Lite: USITT DMX512, RDM		
		E-box Daisy / Star: USITT DMX512, RDM, ArtNet, MA Net, MA Net2, sACN, Kling-Net		
	Operating Modes	E-box Lite / Daisy: Fixture Mode, Pixel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

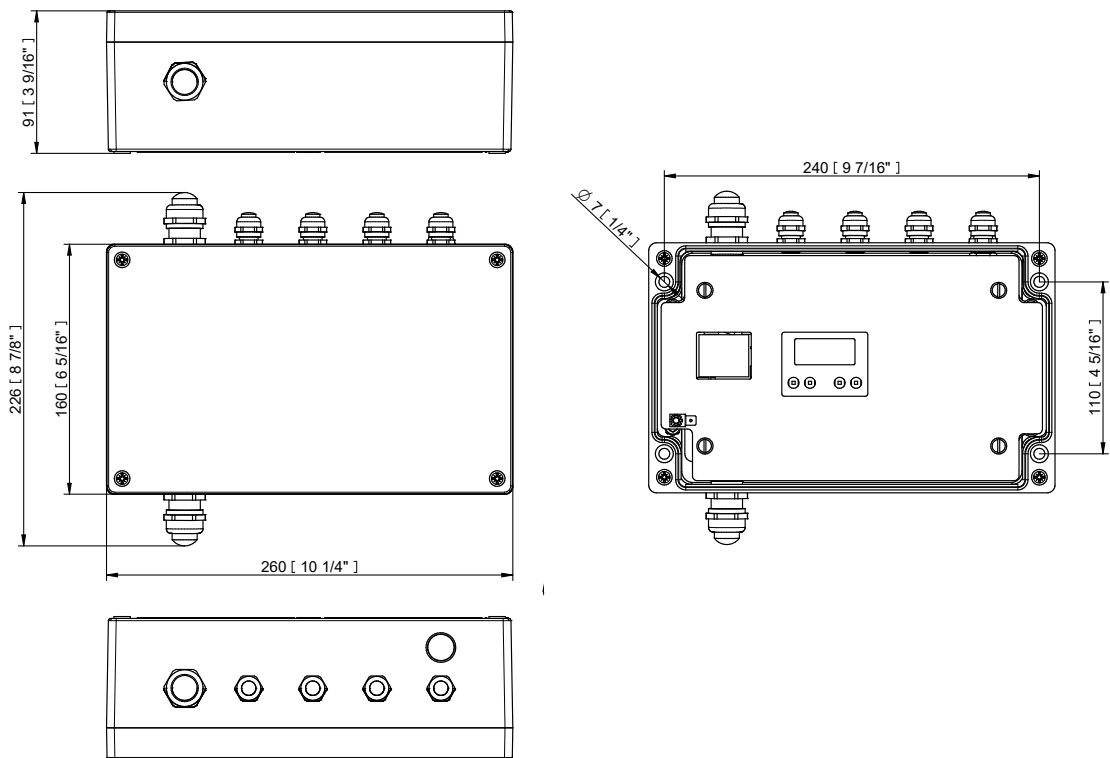
	E-BOX LITE	E-BOX DAISY	E-BOX STAR
Power input	1	1	1
Fixture Output	1	1	6
Total load (current)	16A	16A	16A
DMX control	YES	YES	YES
RDM	YES	YES	YES
Art-Net	NO	YES	YES
Ethernet switch	NO	YES	YES
Kling-Net	NO	YES	YES
sACN	NO	YES	YES
MA Net, MA Net2	NO	YES	YES

E-BOX DIMENSIONS

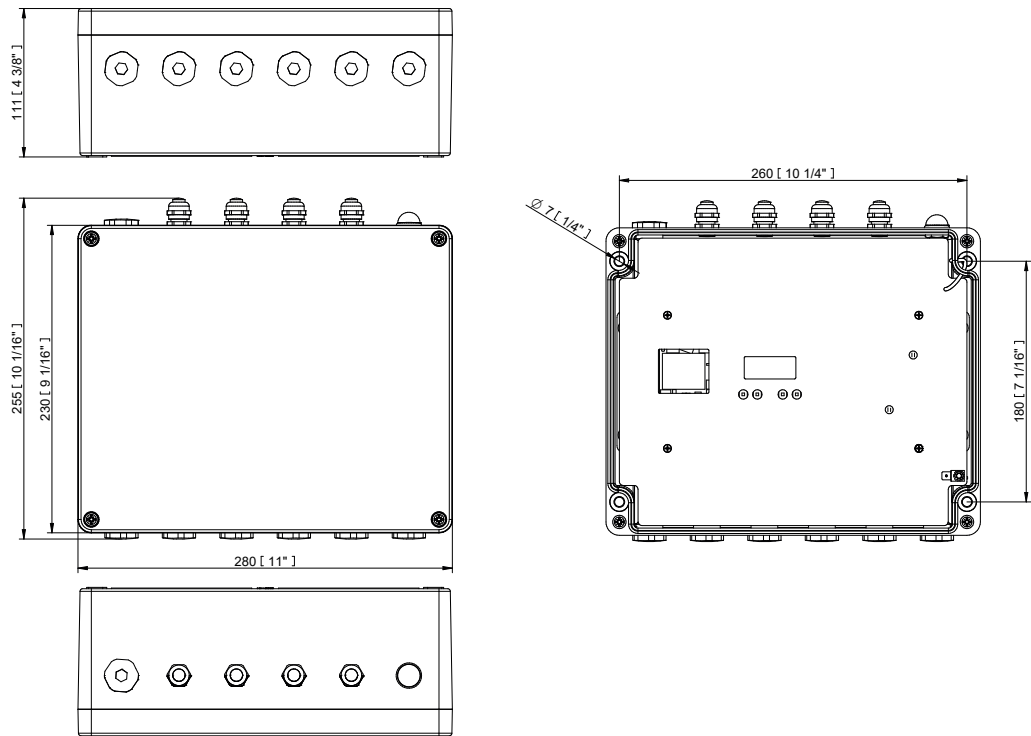
E-BOX LITE



E-BOX DAISY



E-BOX STAR



CONNECTIVITY

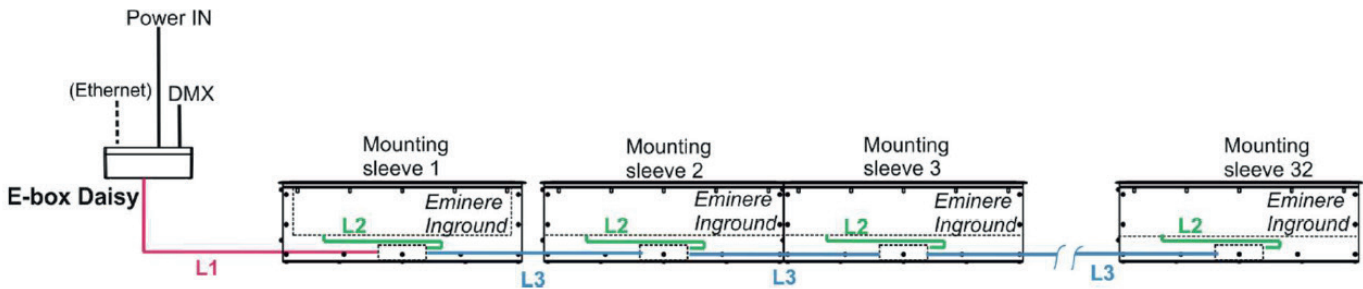
Following table shows maximum connected Emineres on each output of E-Box with respect of cable length.

Cable length (m)		Voltage (V)			
		120	190	230	277
EMINERE INGROUND 2 II	10	32	32	32	32
	20	32	32	32	32
	30	28	32	32	32
	50	17	32	32	32
	70	12	31	32	32
	100	9	21	32	32

Cable length (m)		Voltage (V)			
		120	190	230	277
EMINERE INGROUND 4 II	10	21	32	32	32
	20	21	32	32	32
	30	15	32	32	32
	50	9	22	32	32
	70	6	16	23	32
	100	4	11	16	23

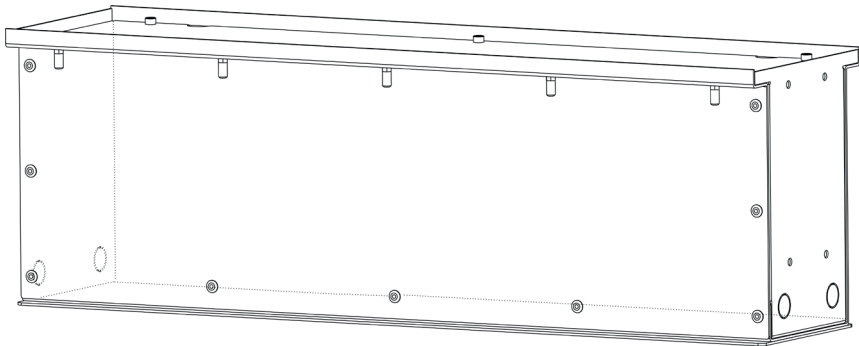
Please read the E-boxes user manuals for more information about their setting.

Important: the item “E-box mode” has to be set at “Pass Thr” (Personality - E-box mode - Pass Thr).



MOUNTING ACCESSORIES (ORDER SEPARATELY)

Mounting sleeve



Cover Plates

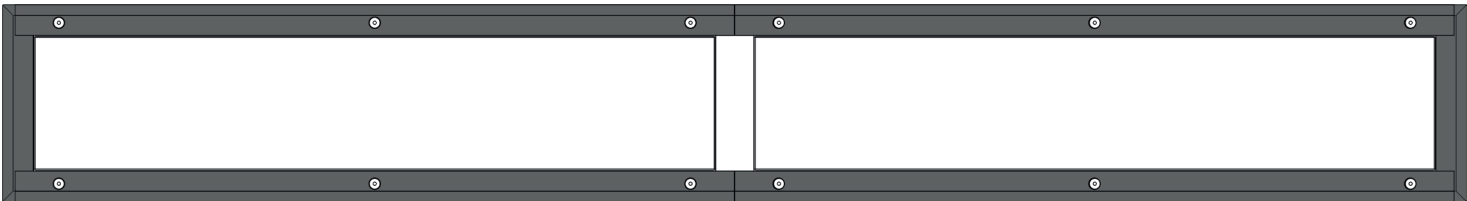
Two types of Cover Plates must be ordered separately, depending on installation option:

- Cover Plate Continuous (includes set of 2pcs)
- Cover Plate End (includes set of 2pcs)

Examples:



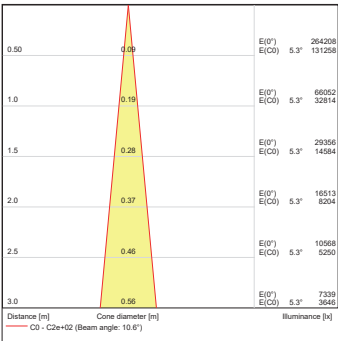
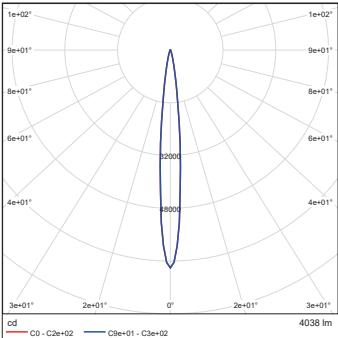
Cover plate set-up for STAND ALONE option (consist of 1x set of Cover Plate Continuous and 1x set of Cover Plate End).
Cover Plate Continuous is always packed together with 1x Cover Plate Middle.



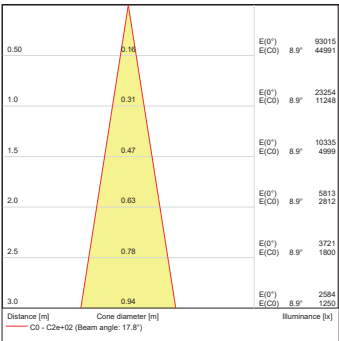
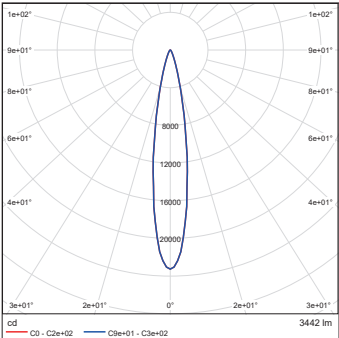
Cover plate set-up for HEAD2HEAD connection option (consist of 2x set of Cover Plate Continuous, 1x Cover Plate Middle and 1x set of Cover Plate End).
Cover Plate Continuous is always packed together with 1x Cover Plate Middle.

PHOTOMETRIC DATA

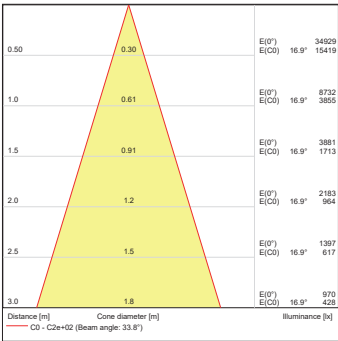
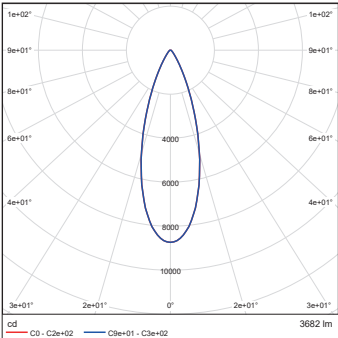
Eminere Inground 4 II RGBCW
Clear Glass 9dg



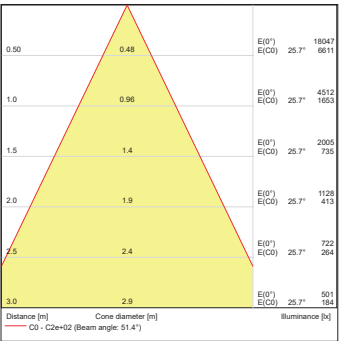
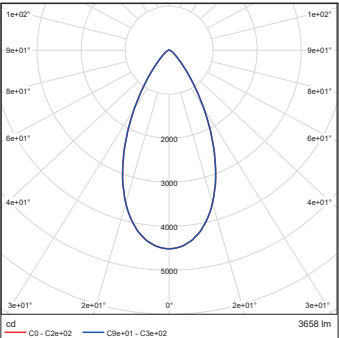
Eminere Inground 4 II RGBCW
Clear Glass 15dg



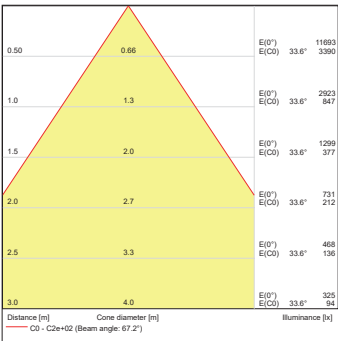
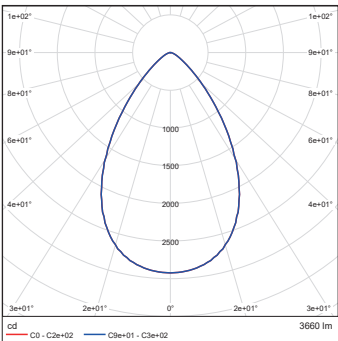
Eminere Inground 4 II RGBCW
Clear Glass 30dg



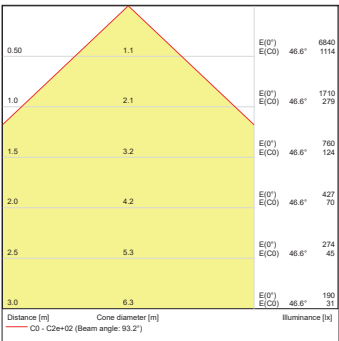
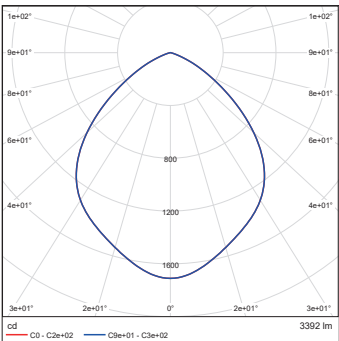
Eminere Inground 4 II RGBCW
Clear Glass 50dg



Eminere Inground 4 II RGBCW
Clear Glass 65dg

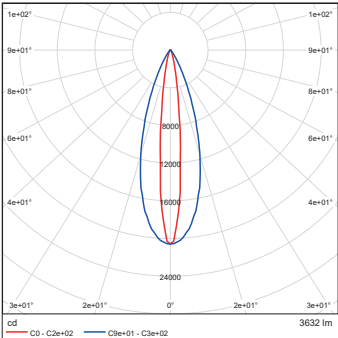


Eminere Inground 4 II RGBCW
Clear Glass 100dg

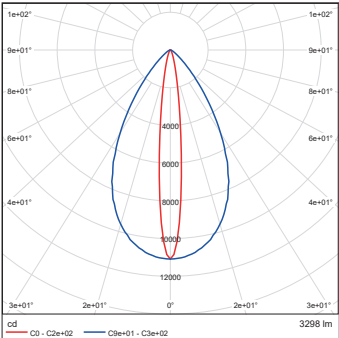


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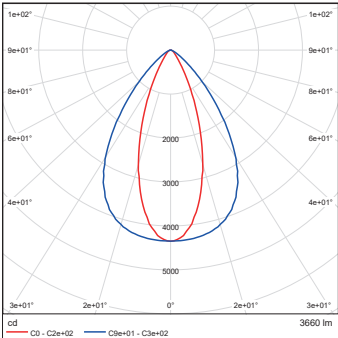
Eminere Inground 4 II RGBCW
Clear Glass 10dg x 30dg



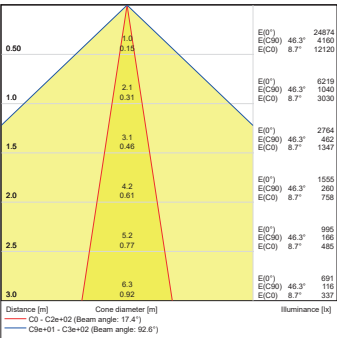
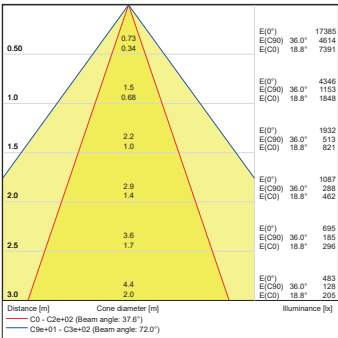
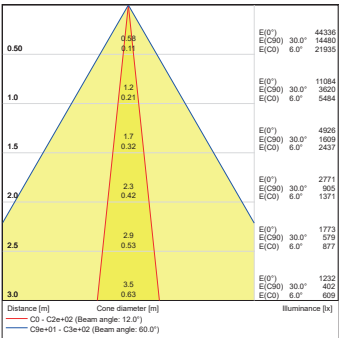
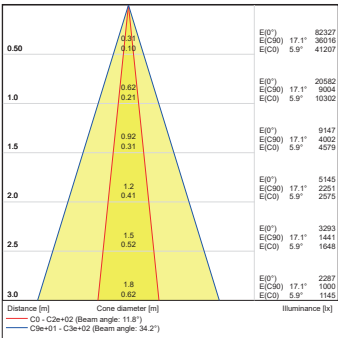
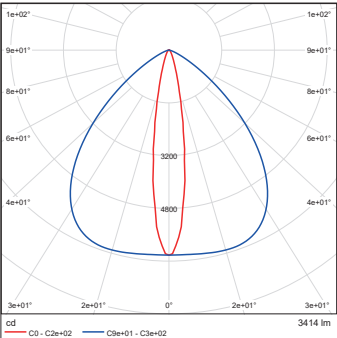
Eminere Inground 4 II RGBCW
Clear Glass 10dg x 60 dg



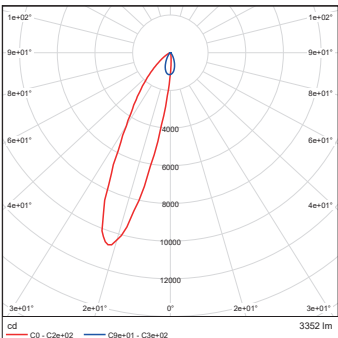
Eminere Inground 4 II RGBCW
Clear Glass 35dg x 70dg



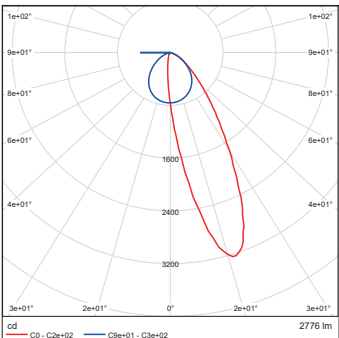
Eminere Inground 4 II RGBCW
Clear Glass 15dg x 90dg



Eminere Inground 4 II RGBCW
Clear Glass WallWasher

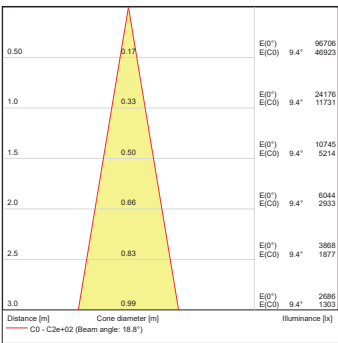
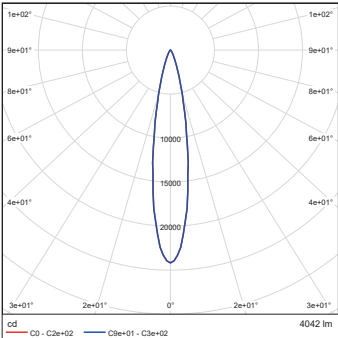


Eminere Inground 4 II RGBCW
Clear Glass Wide WallWasher

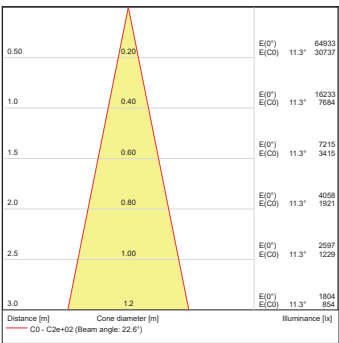
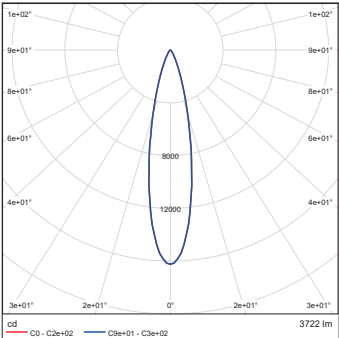


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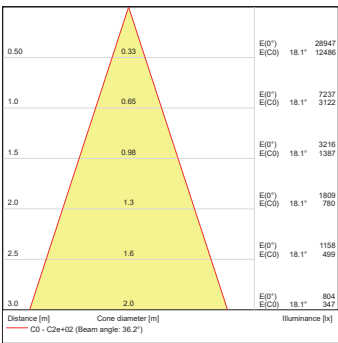
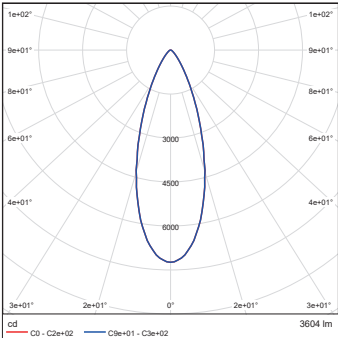
Eminere Inground 4 II RGBCW
Anti-Skid Glass 18dg



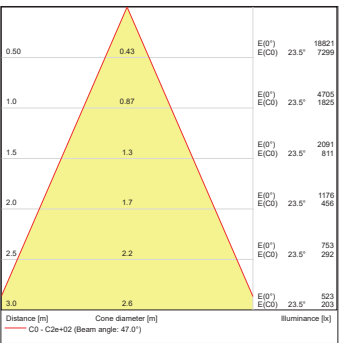
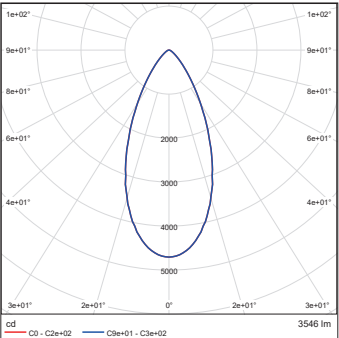
Eminere Inground 4 II RGBCW
Anti-Skid Glass 22dg



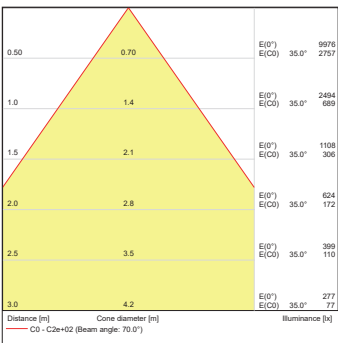
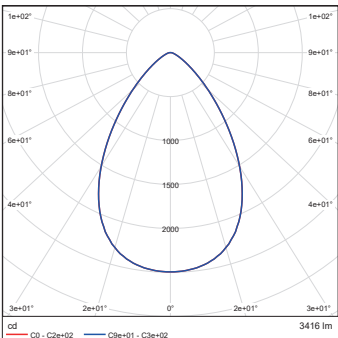
Eminere Inground 4 II RGBCW
Anti-Skid Glass 35dg



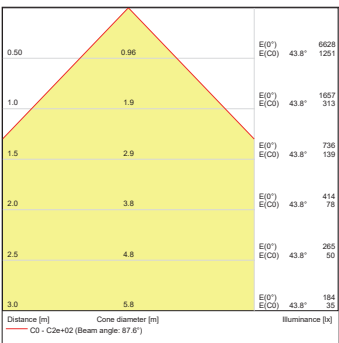
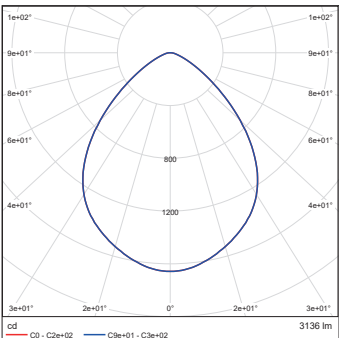
Eminere Inground 4 II RGBCW
Anti-Skid Glass 50dg



Eminere Inground 4 II RGBCW
Anti-Skid Glass 65dg

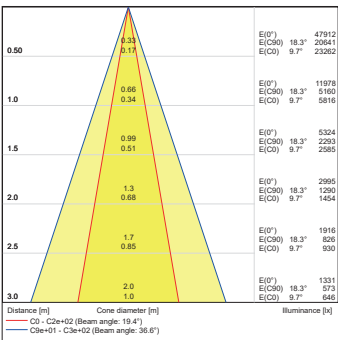
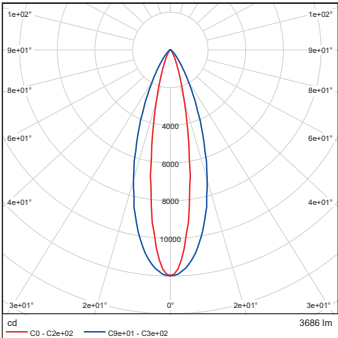


Eminere Inground 4 II RGBCW
Anti-Skid Glass 100dg

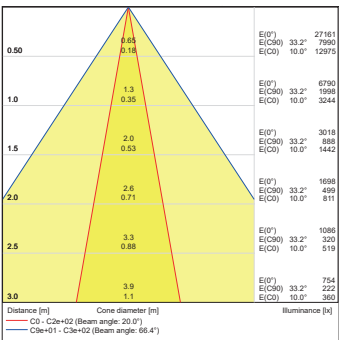
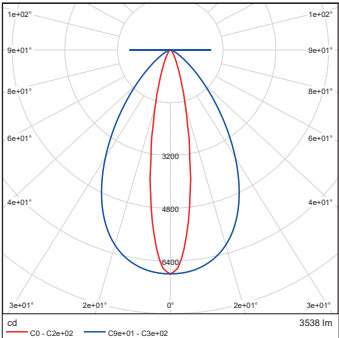


PHOTOMETRIC DATA

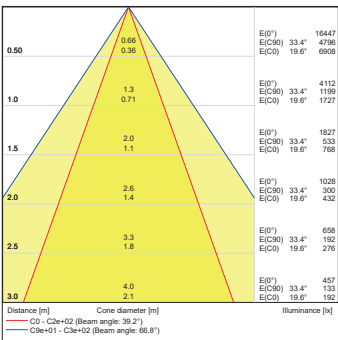
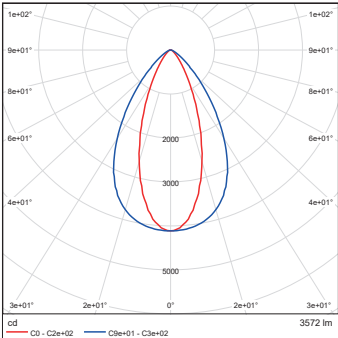
Eminere Inground 4 II RGBCW
Anti-Skid Glass 20dg x 35dg



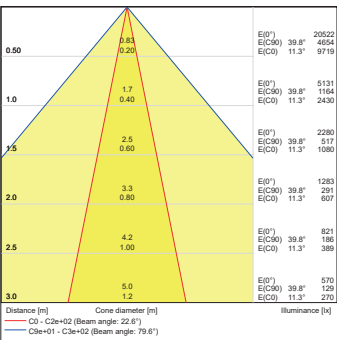
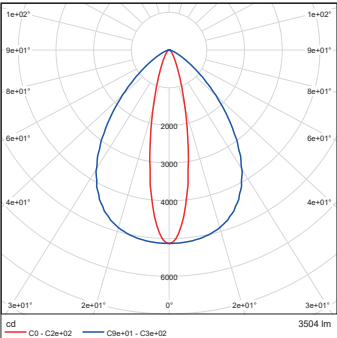
Eminere Inground 4 II RGBCW
Anti-Skid Glass 20dg x 65dg



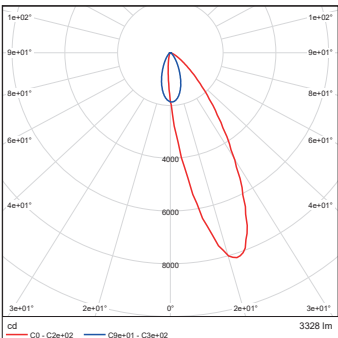
Eminere Inground 4 II RGBCW
Anti-Skid Glass 40dg x 70dg



Eminere Inground 4 II RGBCW
Anti-Skid Glass 20dg x 90dg



Eminere Inground 4 II RGBCW
Anti-Skid Glass WallWasher



Eminere Inground 4 II RGBCW
Anti-Skid Glass Wide WallWasher

