






# EMMA 70

- Luminaire for installation on wall – surface mounted.
- Configuration: die-cast aluminium structure, EN AB-47100 alloy (low copper content). Glass diffuser: transparent.
- Double layer coating for high resistance to corrosion: the aluminium components are painted with a double coat using powders that are compliant with QUALICOAT standards: a first layer of epoxy powder (with excellent chemical and mechanical resistance) and a second finishing layer of polyester powder (resistant to UV rays and atmospheric agents). The entire painting process of the aluminium fitting starts from components that have been sandblasted in advance to make the surface more porous and increase the adherence of the paint. Ares effects alkaline and acid washing to clean the surfaces completely, then rinses with demineralised water to remove any residue particles, subsequently a chemical conversion treatment is done to protect against rusting.
- Protection rating: IP54.
- In compliance with EN 60598-1 standards.
- Class of insulation: mains: I; dichroic bulb and LED module: II.
- Installation: wiring through one cable holder (5mm<math>\times</math>10mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder.

## EU Regulation 874/2012 - Illumination equipment energy classes

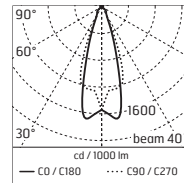
    	<p><b>LED VERSION:</b> Class A/A+/A++ Luminaire supplied with integrated LED modules that cannot be replaced</p> <p><b>HALOGEN VERSION:</b> Class B QR.CBC51/GU5,3</p> <p><b>HALOGEN VERSION:</b> Class D QPARCBC51/GZ10</p>
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## Emma70 / Unidirectional

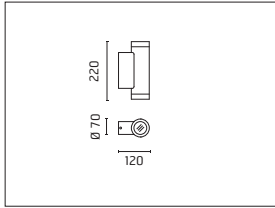


**1163321**   
 QR CBC 51 35W  
 230-240V GU5,3  
 Integral electronic transformer



m	lux	
	Max	Med
1.00	1247	730
2.00	312	182
3.00	139	81
4.00	78	46
5.00	50	29

$\alpha = 16.0^\circ + 16.0^\circ$        $\beta = 20.0^\circ + 20.0^\circ$

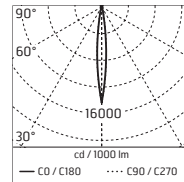


**1162821**   
 PAR 16 50W/230V GZ10

## Emma70 Power LED / Unidirectional - Narrow Beam 10°

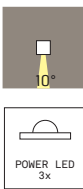
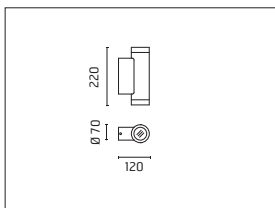


**11617212**   
 NATURAL WHITE 4000K  
 POWER LEDs  
 3,3W/110÷240V  
 Total power 5,5W  
 Lm LED 342  $\approx$  Lm OUTPUT 307  
 CRI>80  
 Integral electronic power supply



m	lux	
	Max	Med
1.00	4850	2964
2.00	1213	741
3.00	539	329
4.00	303	185
5.00	194	119

$\alpha = 5.0^\circ + 5.0^\circ$        $\beta = 5.0^\circ + 5.0^\circ$

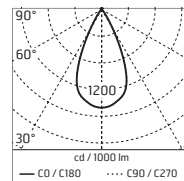


**1165612**   
 WARM WHITE 3000K  
 POWER LEDs  
 3,3W/110÷240V  
 Total power 5,5W  
 Lm LED 321  $\approx$  Lm OUTPUT 288  
 CRI>80  
 Integral electronic power supply

## Emma70 Power LED / Unidirectional - Wide Beam 50°

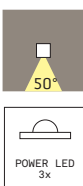
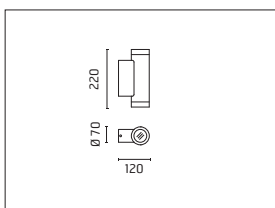


**11617221**   
 NATURAL WHITE 4000K  
 POWER LEDs  
 3,3W/110÷240V  
 Total power 5,5W  
 Lm LED 342  $\approx$  Lm OUTPUT 243  
 CRI>80  
 Integral electronic power supply



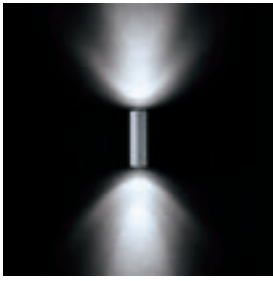
m	lux	
	Max	Med
1.00	358	212
2.00	89	53
3.00	40	24
4.00	22	13
5.00	14	8

$\alpha = 25.0^\circ + 25.0^\circ$        $\beta = 25.0^\circ + 25.0^\circ$

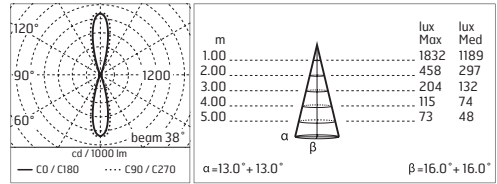


**1165621**   
 WARM WHITE 3000K  
 POWER LEDs  
 3,3W/110÷240V  
 Total power 5,5W  
 Lm LED 321  $\approx$  Lm OUTPUT 228  
 CRI>80  
 Integral electronic power supply

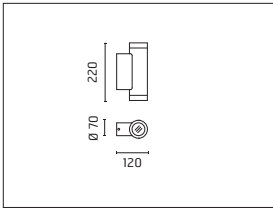
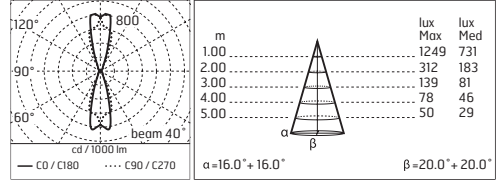
## Emma70 / Bidirectional



**1163342**   
 QR CBC 51 2x35W  
 230-240V GU5,3  
 Integral electronic transformer



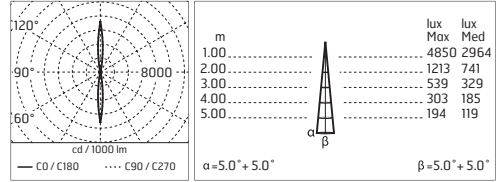
**1162842**   
 PAR 16 2x50W/230V GZ10



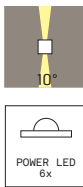
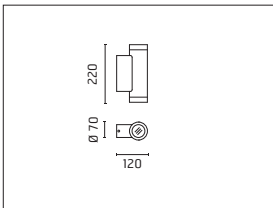
## Emma70 Power LED / Bidirectional - Narrow Beam 10°



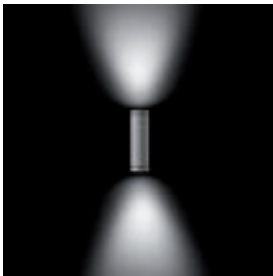
**116172113**   
 NATURAL WHITE 4000K  
 POWER LEDs  
 6,6W/110÷240V  
 Total power 10W  
 Lm LED 2x342 ≠ Lm OUTPUT 2x307  
 CRI>80  
 Integral electronic power supply



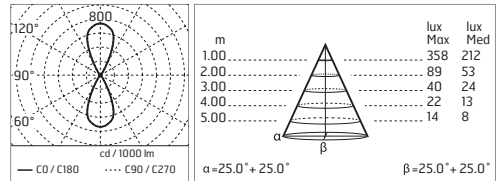
**11656113**   
 WARM WHITE 3000K  
 POWER LEDs  
 6,6W/110÷240V  
 Total power 10W  
 Lm LED 2x321 ≠ Lm OUTPUT 2x288  
 CRI>80  
 Integral electronic power supply



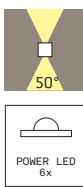
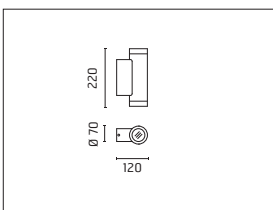
## Emma70 Power LED / Bidirectional - Wide Beam 50°



**11617242**   
 NATURAL WHITE 4000K  
 POWER LEDs  
 6,6W/110÷240V  
 Total power 10W  
 Lm LED 2x342 ≠ Lm OUTPUT 2x243  
 CRI>80  
 Integral electronic power supply



**1165642**   
 WARM WHITE 3000K  
 POWER LEDs  
 6,6W/110÷240V  
 Total power 10W  
 Lm LED 2x321 ≠ Lm OUTPUT 2x228  
 CRI>80  
 Integral electronic power supply

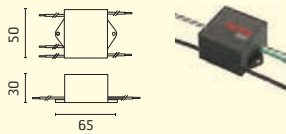




## Accessories: Emma70

237

SPD; (SURGE PROTECTION DEVICE) 275Vac  
 MAXIMUM DISCHARGE CURRENT 10kA (8/20 $\mu$ s)  
 MAXIMUM OPERATING CURRENT 5A  
 SUITABLE FOR SERIES CONNECTION - IP66









acc. code	▶	237
prod. code	▼	
1162821		
1162842		
1163321		
1163342		
1165612		•
1165621		•
1165642		•
11617212		•
11617221		•
11617242		•
11656113		•
116172113		•

# EMMA 110

- Luminaire for installation on wall – surface mounted.
- Configuration: die-cast aluminium fixing base and frames, EN AB-47100 alloy (low copper content), extruded aluminium body. Glass diffuser: transparent.
- Double layer coating for high resistance to corrosion: the aluminium components are painted with a double coat using powders that are compliant with QUALICOAT standards: a first layer of epoxy powder (with excellent chemical and mechanical resistance) and a second finishing layer of polyester powder (resistant to UV rays and atmospheric agents). The entire painting process of the aluminium fitting starts from components that have been sandblasted in advance to make the surface more porous and increase the adherence of the paint. Ares effects alkaline and acid washing to clean the surfaces completely, then rinses with demineralised water to remove any residue particles, subsequently a chemical conversion treatment is done to protect against rusting.
- Protection rating: IP65.
- In compliance with EN 60598-1 standards.
- Class of insulation: I.
- Installation: wiring through two cable holders (8mm<math>\times</math>12mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder. A quick clamp placed in the wiring unit allows an easy connection and disconnection for installation or maintenance.

## EU Regulation 874/2012 - Illumination equipment energy classes

	<b>LED VERSION:</b> Class A/A+/A++ Luminaire supplied with integrated LED modules that cannot be replaced
	
	
	<b>HALOGEN VERSION:</b> Class A/A+
	HIT-TC-CE/G8,5
	<b>HALOGEN VERSION:</b> Class D QP8V/E27



Wall fitting



The fitting is equipped with 2 cable input

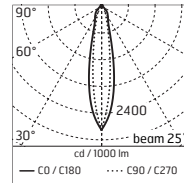


Protection against impact.  
IK 05 - 0,70 joule

### Emma110 / Unidirectional

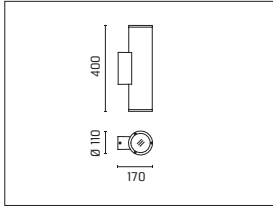


1170121 **D**  
QPAR 50W E27



m	lux	
	Max	Med
1.00	971	545
2.00	243	136
3.00	108	61
4.00	61	34
5.00	39	22

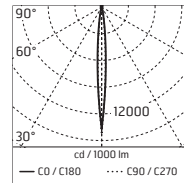
$\alpha = 11.0^\circ + 11.0^\circ$        $\beta = 8.0^\circ + 8.0^\circ$



### Emma110 / Unidirectional - Narrow Beam 10°

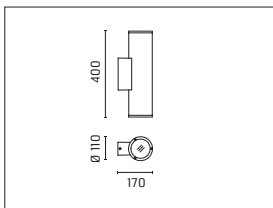


1176612 **A A+**  
HIT-TC-CE 20W G8.5  
Electronic ballast



m	lux	
	Max	Med
1.00	23238	14073
2.00	5810	3518
3.00	2582	1564
4.00	1452	880
5.00	930	563

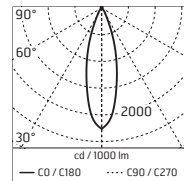
$\alpha = 4.0^\circ + 4.0^\circ$        $\beta = 4.0^\circ + 4.0^\circ$



### Emma110 / Unidirectional - Medium Beam 30°

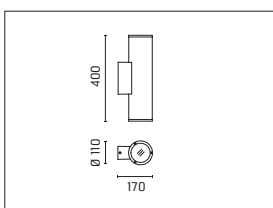


1176621 **A A+**  
HIT-TC-CE 20W G8.5  
Electronic ballast



m	lux	
	Max	Med
1.00	3737	2261
2.00	934	565
3.00	415	251
4.00	234	141
5.00	149	90

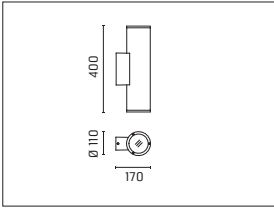
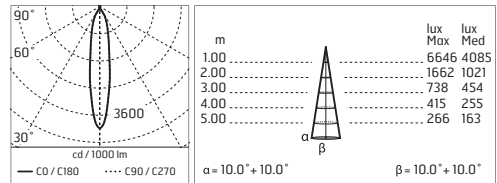
$\alpha = 15.0^\circ + 15.0^\circ$        $\beta = 15.0^\circ + 15.0^\circ$



## Emma110 CoB LED / Unidirectional - Narrow Beam 20°



**117268146** **A A+ A++**  
 NATURAL WHITE 4000K  
 CoB LED  
 12W/220÷240V  
 Total power 15W  
 Lm LED 1829 ≠ Lm OUTPUT 1641  
 CRI>80  
 Integral electronic power supply

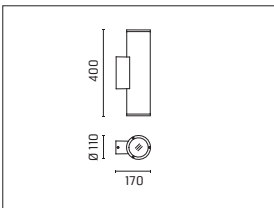
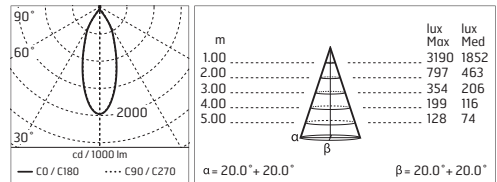


**117269146** **A A+ A++**  
 WARM WHITE 3000K  
 CoB LED  
 12W/220÷240V  
 Total power 15W  
 Lm LED 1744 ≠ Lm OUTPUT 1564  
 CRI>80  
 Integral electronic power supply

## Emma110 CoB LED / Unidirectional - Medium Beam 40°

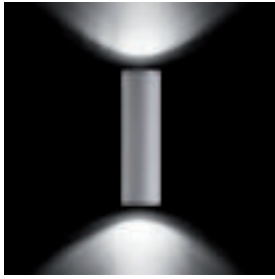


**117268147** **A A+ A++**  
 NATURAL WHITE 4000K  
 CoB LED  
 12W/220÷240V  
 Total power 15W  
 Lm LED 1829 ≠ Lm OUTPUT 1628  
 CRI>80  
 Integral electronic power supply

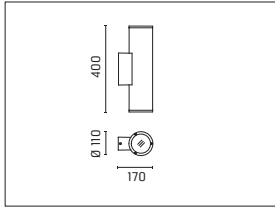
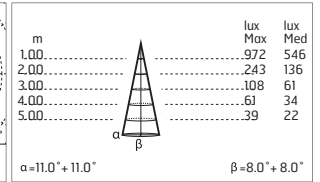
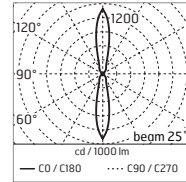


**117269147** **A A+ A++**  
 WARM WHITE 3000K  
 CoB LED  
 12W/220÷240V  
 Total power 15W  
 Lm LED 1744 ≠ Lm OUTPUT 1552  
 CRI>80  
 Integral electronic power supply

Emma110 / Bidirectional



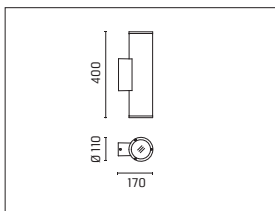
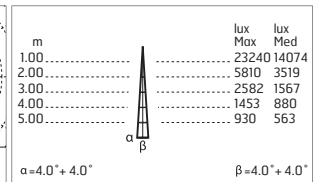
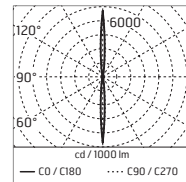
1170242 **D**  
QPAR20 2x50W E27



Emma110 / Bidirectional - Narrow Beam 10°



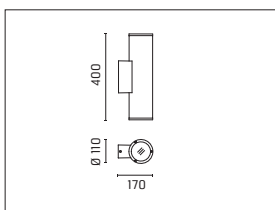
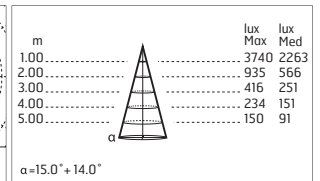
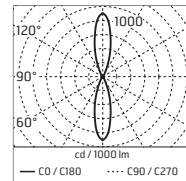
11715012 **A A+**  
HIT-TC-CE 2x20W G8.5  
Electronic ballast



Emma110 / Bidirectional - Medium Beam 30°



11715042 **A A+**  
HIT-TC-CE 2x20W G8.5  
Electronic ballast

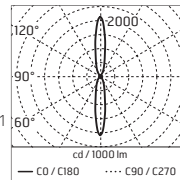




## Emma110 CoB LED / Bidirectional - Narrow Beam 20°

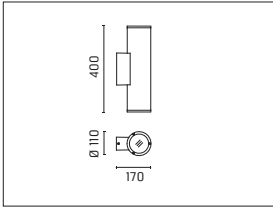


**117268148** A A+ A++  
 NATURAL WHITE 4000K  
 CoB LEDs  
 24W/220÷240V  
 Total power 30W  
 Lm LED 2x1829 ≠ Lm OUTPUT 2x1641  
 CRI>80  
 Integral electronic power supply



m	lux Max	lux Med
1.00	6646	4085
2.00	1662	1021
3.00	738	454
4.00	415	255
5.00	266	163

$\alpha = 10.0^\circ + 10.0^\circ$        $\beta = 10.0^\circ + 10.0^\circ$

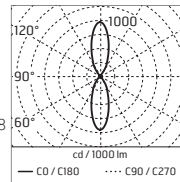


**117269148** A A+ A++  
 WARM WHITE 3000K  
 CoB LEDs  
 24W/220÷240V  
 Total power 30W  
 Lm LED 2x1744 ≠ Lm OUTPUT 2x1564  
 CRI>80  
 Integral electronic power supply

## Emma110 CoB LED / Bidirectional - Medium Beam 40°

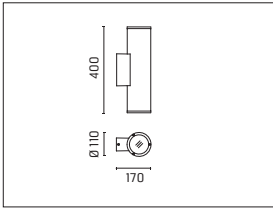


**117268149** A A+ A++  
 NATURAL WHITE 4000K  
 CoB LEDs  
 24W/220÷240V  
 Total power 30W  
 Lm LED 2x1829 ≠ Lm OUTPUT 2x1628  
 CRI>80  
 Integral electronic power supply



m	lux Max	lux Med
1.00	3190	1852
2.00	797	463
3.00	354	206
4.00	199	116
5.00	128	74

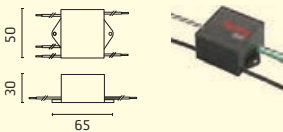
$\alpha = 20.0^\circ + 20.0^\circ$        $\beta = 20.0^\circ + 20.0^\circ$



**117269149** A A+ A++  
 WARM WHITE 3000K  
 CoB LEDs  
 24W/220÷240V  
 Total power 30W  
 Lm LED 2x1744 ≠ Lm OUTPUT 2x1552  
 CRI>80  
 Integral electronic power supply

## Accessories: Emma110

**237**  
 SPD: (SURGE PROTECTION DEVICE) 275Vac  
 MAXIMUM DISCHARGE CURRENT 10KA(8/20µs)  
 MAXIMUM OPERATING CURRENT 5A  
 SUITABLE FOR SERIES CONNECTION - IP66



acc. code	237
prod. code	
1170121	
1170242	
1176612	
1176621	
11715012	
11715042	
117268146	●
117268147	●
117268148	●
117268149	●
117269146	●
117269147	●
117269148	●
117269149	●



# EMMA 150

- Luminaire for installation on wall – surface mounted.
- Configuration: die-cast aluminium fixing base and frames, EN AB-47100 alloy (low copper content), extruded aluminium body. Glass diffuser: transparent.
- Double layer coating for high resistance to corrosion: the aluminium components are painted with a double coat using powders that are compliant with QUALICOAT standards: a first layer of epoxy powder (with excellent chemical and mechanical resistance) and a second finishing layer of polyester powder (resistant to UV rays and atmospheric agents). The entire painting process of the aluminium fitting starts from components that have been sandblasted in advance to make the surface more porous and increase the adherence of the paint. Ares effects alkaline and acid washing to clean the surfaces completely, then rinses with demineralised water to remove any residue particles, subsequently a chemical conversion treatment is done to protect against rusting.
- Protection rating: IP65.
- In compliance with EN 60598-1 standards.
- Class of insulation: I.
- Installation: wiring through two cable holders (8mm<math>\times</math>12mm cables). Outdoor use requires suitable flexible cables assuring the watertightness of the cable holder. A quick clamp placed in the wiring unit allows an easy connection and disconnection for installation or maintenance.

## EU Regulation 874/2012 - Illumination equipment energy classes

**A++**

**A+**

**A**

**A+**

**A**

**D**

### LED VERSION:

Class A/A+/A++  
Luminaire supplied with integrated LED modules that cannot be replaced

### METAL HALIDE VERSION:

Class A+  
HIT-TC-CE/G8,5

### FLUORESCENT VERSION:

Class A  
TC-TEL/GX24q-3

### HALOGEN VERSION:

Class D  
QPAR30S/E27



.1 White



.6 Grey



.3 Anthracite



.4 Black



.18 Deep Brown



Wall fitting

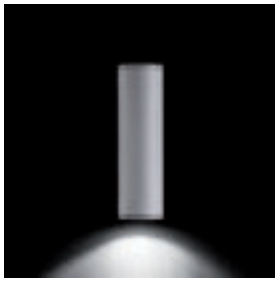


The fitting is equipped with 2 cable input

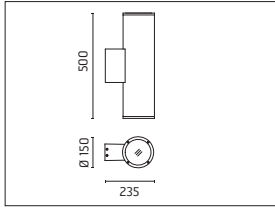
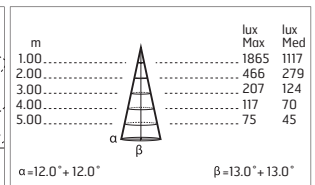
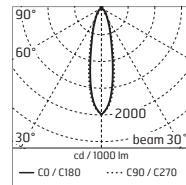


Protection against impact.  
IK 07 - 2,00 joule

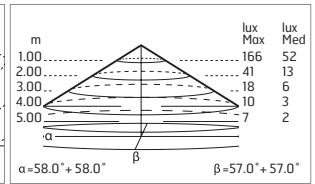
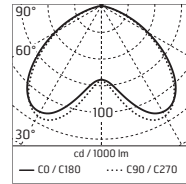
## Emma150 / Unidirectional



**1180121 D**  
QPAR30S 75W E27



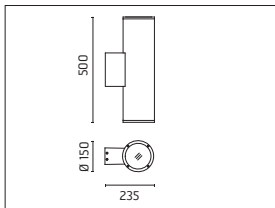
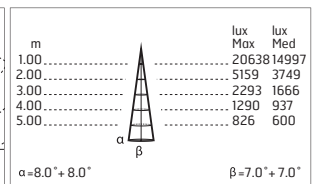
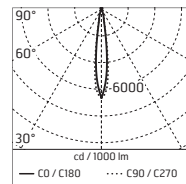
**1189821 A**  
TC-TEL 26W GX24 q-3  
Electronic ballast



## Emma150 / Unidirectional - Narrow Beam 16°



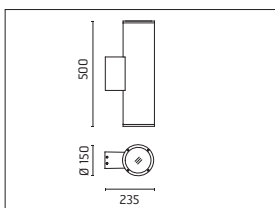
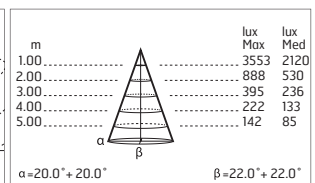
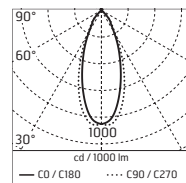
**1186712 A\***  
HIT-TC-CE 35W G8.5  
Electronic ballast



## Emma150 / Unidirectional - Medium Beam 40°



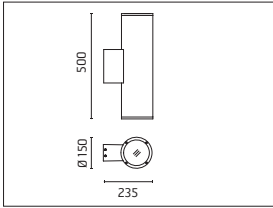
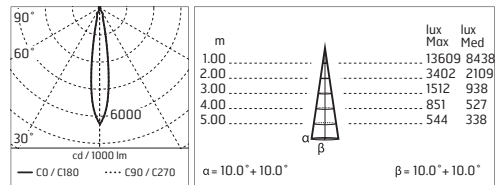
**1186721 A\***  
HIT-TC-CE 35W G8.5  
Electronic ballast



## Emma150 CoB LED / Unidirectional - Narrow Beam 20°



**118271150** **A A+ A++**  
 NATURAL WHITE 4000K  
 CoB LED  
 17W/220÷240V  
 Total power 20W  
 Lm LED 2632 ≠ Lm OUTPUT 2102  
 CRI>80  
 Integral electronic power supply

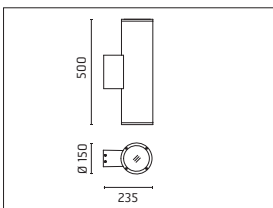
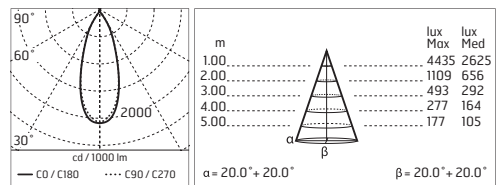


**118272150** **A A+ A++**  
 WARM WHITE 3000K  
 CoB LED  
 17W/220÷240V  
 Total power 20W  
 Lm LED 2567 ≠ Lm OUTPUT 2050  
 CRI>80  
 Integral electronic power supply

## Emma150 CoB LED / Unidirectional - Medium Beam 40°



**118271151** **A A+ A++**  
 NATURAL WHITE 4000K  
 CoB LED  
 17W/220÷240V  
 Total power 20W  
 Lm LED 2632 ≠ Lm OUTPUT 2121  
 CRI>80  
 Integral electronic power supply

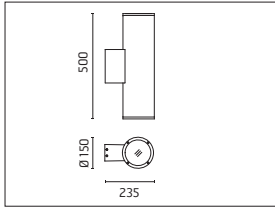
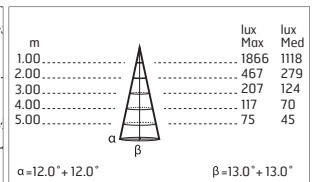
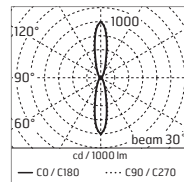


**118272151** **A A+ A++**  
 WARM WHITE 3000K  
 CoB LED  
 17W/220÷240V  
 Total power 20W  
 Lm LED 2567 ≠ Lm OUTPUT 2068  
 CRI>80  
 Integral electronic power supply

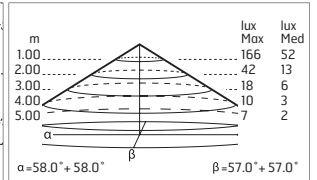
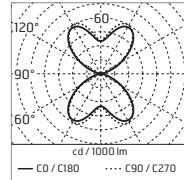
## Emma150 / Bidirectional



**1180242 D**  
QPAR30S 2x75W E27



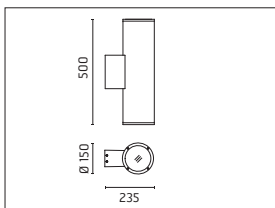
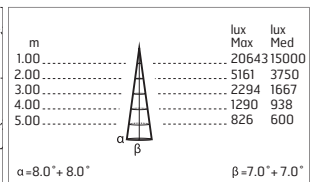
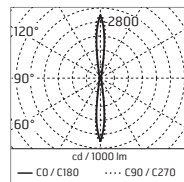
**11815142 A**  
TC-TEL 2x26W GX24 q-3  
Electronic ballast



## Emma150 / Bidirectional - Narrow Beam 16°



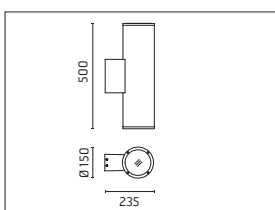
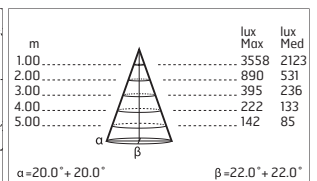
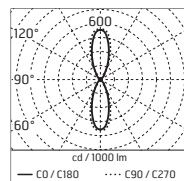
**11815212 A+**  
HIT-TC-CE 2x35W G8.5  
Electronic ballast



## Emma150 / Bidirectional - Medium Beam 40°



**11815242 A+**  
HIT-TC-CE 2x35W G8.5  
Electronic ballast

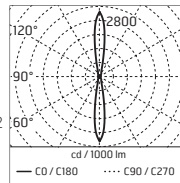


## Emma150 CoB LED / Bidirectional - Narrow Beam 20°



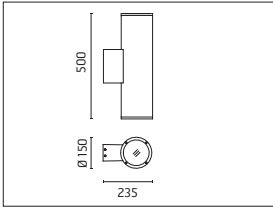
**118271152** **A A+ A++**  
 NATURAL WHITE 4000K  
 CoB LEDs  
 34W/220÷240V  
 Total power 40W  
 Lm LED 2x2632 ≠ Lm OUTPUT 2x2102  
 CRI>80

Integral electronic power supply



m	lux	
	Max	Med
1.00	13609	8438
2.00	3402	2109
3.00	1512	938
4.00	851	527
5.00	544	338

$\alpha = 10.0^\circ + 10.0^\circ$        $\beta = 10.0^\circ + 10.0^\circ$



**118272152** **A A+ A++**

WARM WHITE 3000K  
 CoB LEDs  
 34W/220÷240V  
 Total power 40W  
 Lm LED 2x2567 ≠ Lm OUTPUT 2x2050  
 CRI>80

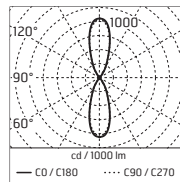
Integral electronic power supply

## Emma150 CoB LED / Bidirectional - Medium Beam 40°



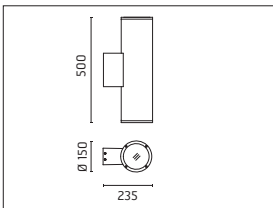
**118271153** **A A+ A++**  
 NATURAL WHITE 4000K  
 CoB LEDs  
 34W/220÷240V  
 Total power 40W  
 Lm LED 2x2632 ≠ Lm OUTPUT 2x2121  
 CRI>80

Integral electronic power supply



m	lux	
	Max	Med
1.00	4435	2625
2.00	1109	656
3.00	493	292
4.00	277	164
5.00	177	105

$\alpha = 20.0^\circ + 20.0^\circ$        $\beta = 20.0^\circ + 20.0^\circ$



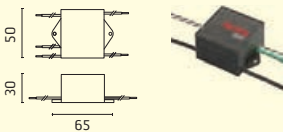
**118272153** **A A+ A++**

WARM WHITE 3000K  
 CoB LEDs  
 34W/220÷240V  
 Total power 40W  
 Lm LED 2x2567 ≠ Lm OUTPUT 2x2068  
 CRI>80

Integral electronic power supply

## Accessories: Emma150

**237**  
 SPD: (SURGE PROTECTION DEVICE) 275Vac  
 MAXIMUM DISCHARGE CURRENT 10KA (8/20μs)  
 MAXIMUM OPERATING CURRENT 5A  
 SUITABLE FOR SERIES CONNECTION - IP66



acc. code	▶	237
prod. code	▼	
1180121		
1180242		
1186712		
1186721		
1189821		
11815142		
11815212		
11815242		
118271150	●	
118271151	●	
118271152	●	
118271153	●	
118272150	●	
118272151	●	
118272152	●	
118272153	●	