Product Sheet
Rev. 23/07/2024

M48 Area
Options: 3 modules
Color Temperature: 4000 K
Type of optics: square wide beam QU-D

06MQ1Q45085AHM4
Colour: Grey RAL9006

General Features

Description: ceiling-mounted modular LED system

Insulation class: class II

Rated voltage: 220-240 V 50/60 Hz

Protection Grade: IP66

Impact protection: IK08

Power Factor: > 0.90

Ambient temperature Ta: -30°C +50°C

Weight: 18.50 kg

Max exposed surface: 0,24 m²

Lateral exposed surface: 0,05 m²

Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

Marks and Certifications: CE / Resistance to the launch of ball
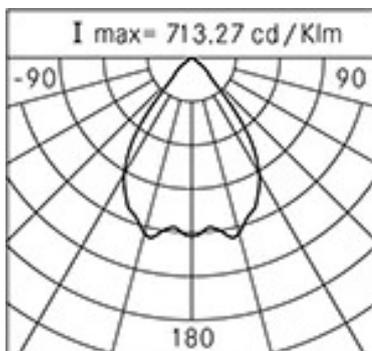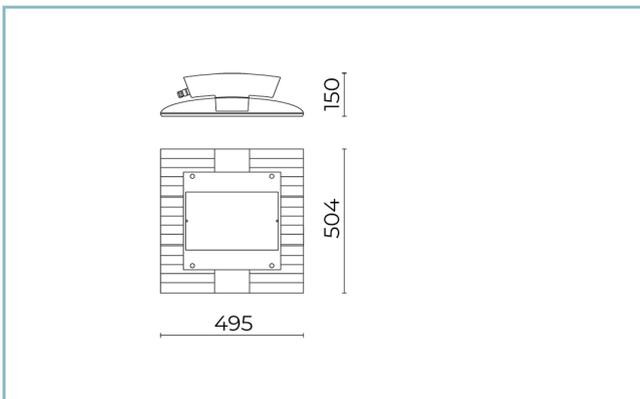
Performance Data*

LED Current:	525 mA
Source flow:	38495 lm
Source power:	210 W
Source efficiency:	183 lm/W
Device flow:	33105 lm
Device power:	233.5 W
Appliance efficiency:	142 lm/W
Glare Index Category:	D6

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Optical System

Source: LED R12	
Color Temperature: 4000 K	
Color Rendering Index (CRI): ≥ 70	
Chromatic consistency (SDCM): ≤ 4	
Type of optics: square wide beam QU-D	
Optical group life: >100.000h @700mA @Ta25°C TM21 L80B20	
Photobiological safety class: EXEMPT GROUP	
Light intensity category: G*6	

Normative References

EN60598-1 / EN60598-2-1 / EN62471 / EN61547

Installation and maintenance

Installation: ceiling installation

Fixing: designed for connection systems required by busbar suppliers; steel brackets fastened to ceiling with expansion anchors or chemical bolts; suspension from ceiling with steel cables

Wiring: connecting the system to the power supply line via an external tool-free panel connector means the product does not need to be opened and speeds up installation (in two or three module versions: on request, two separate 230V control gears)

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Power supply compartment: independent from the optical group

Flow adjustment

	Standard	On request
Virtual Midnight Teaching	X	
Constant flow output (CLO)	X	
DALI control	X	
Mains voltage variation	X	
Pilot line		X
Power line telemanagement (PLC)		X
Wireless remote management		X
Emergency lighting	X	

Materials

Body: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)
Screen: tempered flat glass
Lenses: high-transparency PMMA
Fixing system: cutted and folded metal sheet bracket
Seals: expanded anti-age silicone foam
Screws: stainless steel AISI 304
Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

Colors

◼	Grey RAL9006	Code: **06MQ1Q45085AHM4**

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Complements
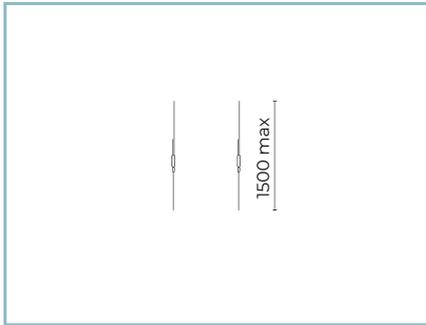
06MQ901J

Suspension kit
ceiling-mounted L=1500 mm.
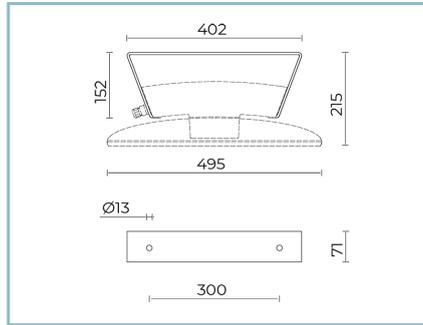
06MQ900A

Ceiling fixing bracket.
Colour: grey RAL9006.

NOTES
*Performance data
The values indicated in this data sheet are nominal values with a tolerance of +/-7%.
Source flux and source efficiency data refer to the LED module without optics; in case you are interested in the performance of the LED module complete with optical system, you must multiply the data reported by the factor 0.9.

General Data
The characteristics of the product listed may be subject to change and must be confirmed when ordering.
In order to promote constant updating of its products, Cariboni Group reserves the right to make changes without prior notice.

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