



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: 7.60 kg

Max exposed surface: 0,08 m²

Lateral exposed surface: 0,05 m²

Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Drivers: included

Marks and Certifications: ENEC / CE / Resistance to the launch of ball



Performance Data*

LED Current:	700 mA
Source flow:	16490 lm
Source power:	95 W
Source efficiency:	174 lm/W
Device flow:	14180 lm
Device power:	103.5 W
Appliance efficiency:	137 lm/W
Glare Index Category:	D6

Optical System

Source: LED R4

Color Temperature: 4000 K

Color Rendering Index (CRI): ≥ 70

Color Consistency (SDCM): ≤ 4

Type of optics: rectangular asymmetrical wide beam RE-AD

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: **06MQ1E80086AHM4**

Product Sheet

Rev. 25/03/2022

M48 Area

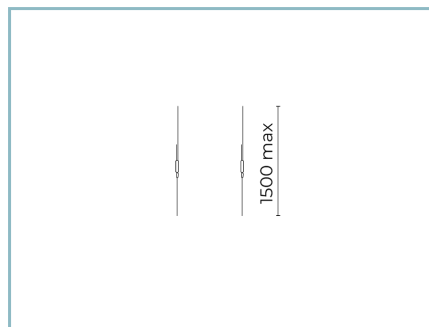
Options: 1 module

Color Temperature: 4000 K

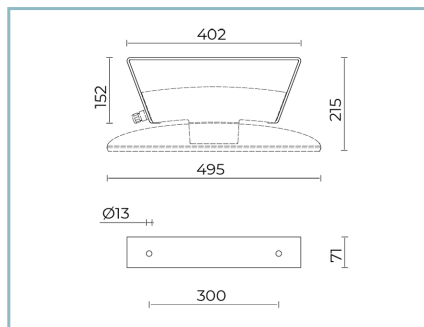
Type of optics: rectangular asymmetrical wide beam RE-AD

06MQ1E80086AHM4

Colour: Grey RAL9006

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.