



General Features

Description: LED luminaire
Insulation class: class II (class I on request)
Rated voltage: 220-240 V 50/60 Hz
Protection Grade: IP66
Impact protection: IK09
Surge protection device: integrated 10kV-10kA, Type 3, equipped with LED signaling and thermofusible for disconnection at the end of life; impulse withstand CL II 10kV DM
Power Factor: > 0.90
Ambient temperature Ta: -30°C +50°C
Weight: 14.3 kg
Max exposed surface: 0.26 m ²
Lateral exposed surface: 0.1 m ²
Common mode surge protection: 10 kV
Overtoltage protection differential mode: 10 kV
Driver: included
Driver lifetime: >100.000h @700mA @Ta25°C \ <0,2% 1.000h
Marks and Certifications: ENEC / CE

Performance Data*

LED Current:	525 mA
Source flow:	9910 lm
Source power:	70.5 W
Source efficiency:	141 lm/W
Fitting flux:	8525 lm
Fitting power:	77.5 W
Fitting efficiency:	110 lm/W
Glare Index Category:	D4

Optical System

Source: LED R4
Colour Temperature: 2200 K
Color Rendering Index (CRI): ≥ 70
Chromatic consistency (SDCM): ≤ 4
Type of optics: street symmetrical SO-01
Optical group life: >160.000h @700mA @Ta25°C TM21 L80F10
Photobiological safety class: EXEMPT GROUP
ULOR: 0%
DLOR: 100%
Light intensity category: G*4

Normative References

EN60598-1 / EN60598-2-3 / EN61547 / EN62471, EN55015 / EN61000-3-2 / EN61000-3-3

Installation and maintenance

Installation: suspension for string $\varnothing 6 \div 12$ mm, inclination horizontal $\pm 15^\circ$, adjustability $0^\circ \div 360^\circ$ / arcade
Wiring: pre-wired product with cable and connector
\varnothing power cable: $10 \div 14$ mm
Cable Gland: PG16
Replaceable wiring plate: removable plate
Replaceable optical unit: each LED module is replaceable
Screen opening: opening by clip, fall block
Power supply compartment: independent from the optical system

Flux regulation

Standard On request

Virtual Midnight Teaching	X
Arrangement for Zhaga connector (Book 18)	X
Constant flow output (CLO)	X
Adjusting 1-10V	X
DALI control	X
Mains voltage variation	X
Pilot line	X
Power line telemanagement (PLC)	X
Wireless remote management	X
Arrangement for motion / brightness sensors	X

Materials

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

Colours

 White RAL9003	Code: 01TH2E85139DHM4
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Product Sheet

18/10/2022

Themelio String Suspension

Size: medium

Colour Temperature: 2200 K

Type of optics: street symmetrical SO-01

01TH2E85139DHM4

Colour: White RAL9003

Complements

01TH901C0

C2 Suspension for string

Ø 6 ÷ 12 mm. Colour: Sablè 100 Noir.

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.