



### 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: 8.8 kg

Max exposed surface: 0.17 m<sup>2</sup>

Lateral exposed surface: 0.08 m<sup>2</sup>

Common mode surge protection: 10 kV

Overvoltage 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:	350 mA
Source flow:	2555 lm
Source power:	17.5 W
Source efficiency:	146 lm/W
Fitting flux:	2195 lm
Fitting power:	20 W
Fitting efficiency:	110 lm/W
Glare Index Category:	D5

**Product Sheet**

18/10/2022

**Themelio Ceiling Suspension**

Size: small

Colour Temperature: 2200 K

Type of optics: street symmetrical SO-01

**01TH1B23139DHM4**

Colour: White RAL9003

**Optical System**

Source: LED R1

Colour Temperature: 2200 K

Color Rendering Index (CRI):  $\geq 70$ Chromatic consistency (SDCM):  $\leq 4$ 

Type of optics: street symmetrical SO-01

Optical group life: &gt;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 &lt; 1%)

Screen: tempered flat glass

Lenses: high-transparency PMMA

Fitting system: die-cast aluminium alloy UNI EN AB 47100 (copper content &lt; 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 RAL9003Code: **01TH1B23139DHM4**

## Complements



01TH902C0

C3 Suspension for chain  
(not included). Colour: Sablè 100 Noir.



01TH905C0

C6 Arcade suspension  
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.