



### 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>

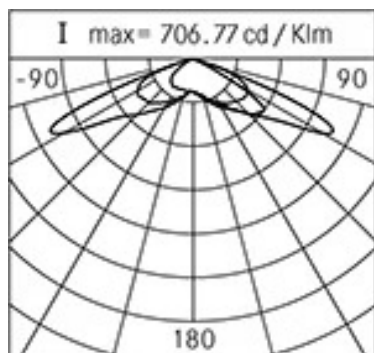
Common mode surge protection: 10 kV

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:	700 mA
Source flow:	3930 lm
Source power:	24 W
Source efficiency:	164 lm/W
Fitting flux:	3380 lm
Fitting power:	27 W
Fitting efficiency:	125 lm/W
Glare Index Category:	D5

**Product Sheet**

18/10/2022

**Themelio Arm Suspension**

Size: small

Colour Temperature: 3000 K

Type of optics: wet surface MB-01

**01TH1B20940DHM4**

Colour: White RAL9003

**Optical System**

Source: LED R1

Colour Temperature: 3000 K

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

Type of optics: wet surface MB-01

Optical group life: >160.000h @700mA @Ta25°C TM21  
L80F10

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Light intensity category: G\*3

**Normative References**EN60598-1 / EN60598-2-3 / EN61547 / EN62471, EN55015 /  
EN61000-3-2 / EN61000-3-3**Installation and maintenance**

Installation: arm suspension

Wiring: pre-wired product with cable and connector

Ø power cable: 10 ÷ 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: **01TH1B20940DHM4**

## Product Sheet

18/10/2022

## Themelio Arm Suspension

Size: small

Colour Temperature: 3000 K

Type of optics: wet surface MB-01

01TH1B20940DHM4

Colour: White RAL9003

## Complements



01TH900C0

C1 3/4" GAS suspension

Colour: Sablè 100 Noir.



01TH903C0

C4 Pulley suspension

Colour: Sablè 100 Noir.



01TH904C0

C5 Suspension for arm

Ø60 mm. Colour: Sablè 100 Noir.



01AK988C0

B212 Single arm

for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK989C0

B213 Double arm

for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK990C0

B214 Single arm

for poles Ø 102 mm. Colour: Sablé 100 Noir.



01AK991C0

B215 Double arm

for poles Ø 102 mm. Colour: Sablé 100 Noir.



01AK992C0

B216 Single arm

for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK994C0

B217 Double arm

for poles Ø 60-76 mm. Colour: Sablé 100 Noir.

**Product Sheet**

18/10/2022

**Themelio Arm Suspension**

Size: small

Colour Temperature: 3000 K

Type of optics: wet surface MB-01

**01TH1B20940DHM4**

Colour: White RAL9003

**01AK995C0**

B218 Single arm  
for poles Ø 102 mm. Colour: Sablé 100  
Noir.

**01AK996C0**

B219 Double arm  
for poles Ø 102 mm. Colour: Sablé 100  
Noir.

**01AK983C0**

B207-P Suspension wall-mounted  
arm. Colour: Sablé 100 Noir.

**01AK935C0**

B15 Single curved arm  
Ø 60 mm for poles Ø 102 mm. L=810  
mm. Colour: Sablé 100 Noir.

**01AK936C0**

B16 Double curved arm  
Ø 60 mm for poles Ø 102 mm. L=810  
mm. Colour: Sablé 100 Noir.

**01AK950C0**

B15-P Curved wall-mounted arm  
Ø 60 mm. L=840 mm. Colour: Sablé  
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.