



Ref. Certif. No.

NL-103795

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Fixed general purpose LED luminaire

Name and address of the applicant

T.S.E. S.R.L.
Via Filippo Turati, 25, 05100 Terni (Tr), Italy

Name and address of the manufacturer

T.S.E. S.R.L.
Via Filippo Turati, 25, 05100 Terni (Tr), Italy

Name and address of the factory

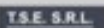
T.S.E. SRL
Strada di Collescipoli, 55, 05100 Terni (Tr), Italy*When more than one factory*☐ Additional information on page 2

Ratings and principal characteristics

Product data

Ratings: 100-240 Vac, 50-60 Hz, Class II, IP66/IP68 (2 bar)
ta = 75 °C; Max 170 W
ta = 120 °C; Max 38 W

Trademark / Brand (if any)


T.S.E. S.R.L.

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

GRANTORINO #-#-#-#-#-#-66/68-TLC0-#-#

Additional information

☒ Additional information on page 3

A sample of the product was tested and found to be in conformity with

IEC 60598-2-1:2020 and IEC 60598-1:2020

National differences:
EU Group Differences

As shown in the Test Report Ref. No. which forms part of this Certificate

R0422023_2_01

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

Date: 30 January 2024

Signature: May Liu

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**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
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Luminaires are identified by the following code:

I – Series

GRANTORINO

II – Mechanical type

1ESC0 = Type R18496

1ESC1 = Type AR1304

1ESC2 = 468Z

1ESC3 = HS405

1ESC4 = R21930

III – Length

= Numeric combination that identifies the length of the appliance (Maximum of 0780 mm)

IV – LED modules

101 = 1 LED module

102 = 2 LED modules

103 = 3 LED modules

104 = 4 LED modules

V – LED Current

= Numeric value that identifies the supply current of the LED module
(Maximum 0800 mA @ 75°C and Maximum 220mA @ 120 °C)

VI – LED type

LD03 = LED Lumileds 7070

AZ01 = LED Citizen

VII – Colour temperature

= Numeric value that identifies the kelvin grade between 2700K – 5700K

VIII – LED Driver

1UP32 = uPowerTek 320 W

1EX32 = No driver provided

IX – Optic

M18 = Optic LEDIL CS15870 2x6

C121 = Optic TorreFaro

M4 = Optic outdoor

C90 = Optic 90°

C60P = Optic 60°

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X – IP grade

66/68 = IP 66/68

XI – Remote control

TLC0 = No remote control

XII – Type of use

INT = Indoor

OUT = Outdoor

XIII – Ambient temperature

DC = -40°C / +125°C (Only for luminaires with code position VIII – LED Driver = 1EX32)

AC = -30°C / +75°C

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