



TL2 SERIES DESIGNED FOR HAZARDOUS AREAS

LED LIGHTING FIXTURE SUITABLE FOR ZONES 2, 21, 22

First-quality materials

A complete range of lighting fixtures manufactured of copper free aluminium and tempered glass; provided with AISI316L stainless steel hardware and screws.

TL2 challenge

TL2 series has been designed to satisfy a dual purpose:

- To reduce CAPEX and OPEX;
 - To grant top-quality performances all lifetime long.
- In order to fulfil the challenge, TL2 series has been developed increasing LED lifetime **up to 100.000 hours of maintenance free operation**, with a luminous flux that reaches up to **50.000 lm**.

Moreover, TL2 series guarantees an excellent maintenance of luminance: tests made in accordance with IES LM-80-08 prove a long-term projection of LED luminous flux maintenance of L90 up to 100.000/h operation.

A product compliant with:

- **IEC/TR 62778:** Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires;
- **EN 61000-3-2:** Electromagnetic Compatibility (EMC) Limits for harmonic current emissions;
- **EN 61000-3-3:** Electromagnetic Compatibility (EMC) Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems;
- **EN 61547:** Equipment for general lighting purposes – EMC immunity requirements.

FEATURES & BENEFITS:

The **highest luminous efficiency:**

UP TO 164 LM/W

Excellent LED lumen maintenance:

L90 (according to IES LM-80-08)

Up to **100.000 hours operation**

LED lifetime-saving technology

Overvoltage protection system

Flicker free

Dimmerable

Operating temperature: -50°C to + 55°C

High resistance to corrosion

Maintenance free

100% made in Italy



THORNE &
DERRICK
INTERNATIONAL

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**TECHNOR
ITALSMEA**

A COMPANY OF MARECHAL ELECTRIC

EX-CERTIFIED SOLUTION

SUITABLE FOR ZONE 2, 21, 22

Execution: II 2 D Ex tb IIIC T105°C
II 3 GD Ex nR IIC T4 Gc
II 3 GD Ex tc IIIC T105°C
Degree of protection: IP66

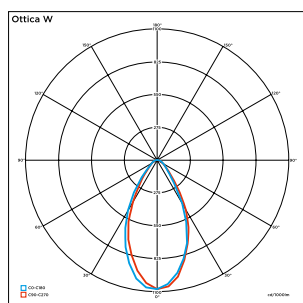


Download
datasheet

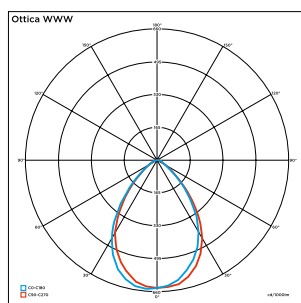


4 available optics

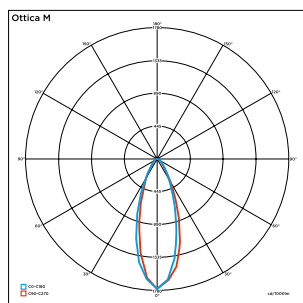
In order to fully satisfy all specific customers' requirements and application needs, TL2 series is available in single or double module and in a wide range of optical solutions:



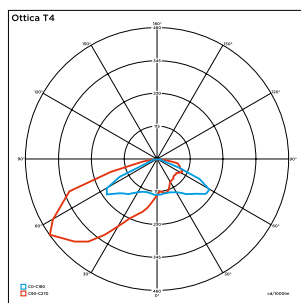
Wellglass / Linear



Streetlight



Floodlight
narrow beam



Floodlight wide
beam

Accessories on request:

- PNA-1M20 Brass NiCr **cable gland**: single seal for armoured cable;
- **Gasket set**;
- **Seal gasket**: suitable for M20 cable glands.

EXCELLENT LUMINOUS EFFICIENCY

W	Lm	N°LED mA	Lm/W	Dim.
35	5640	40 320	161	430x216x105 mm
79	12940	36 350	164	430x216x105 mm
114	16120	24 700	141	430x216x105 mm
172	25110	40 650	146	750x216x105 mm
344	50220	[40 650]*2	146	750x432x105 mm

**Thanks to LED technology,
TL2 series delivers**

Safety

for people and the environment, reducing carbon footprint

Efficiency

granted from energy-saving and long-lasting lamps

High luminous performances

to facilitate working conditions



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