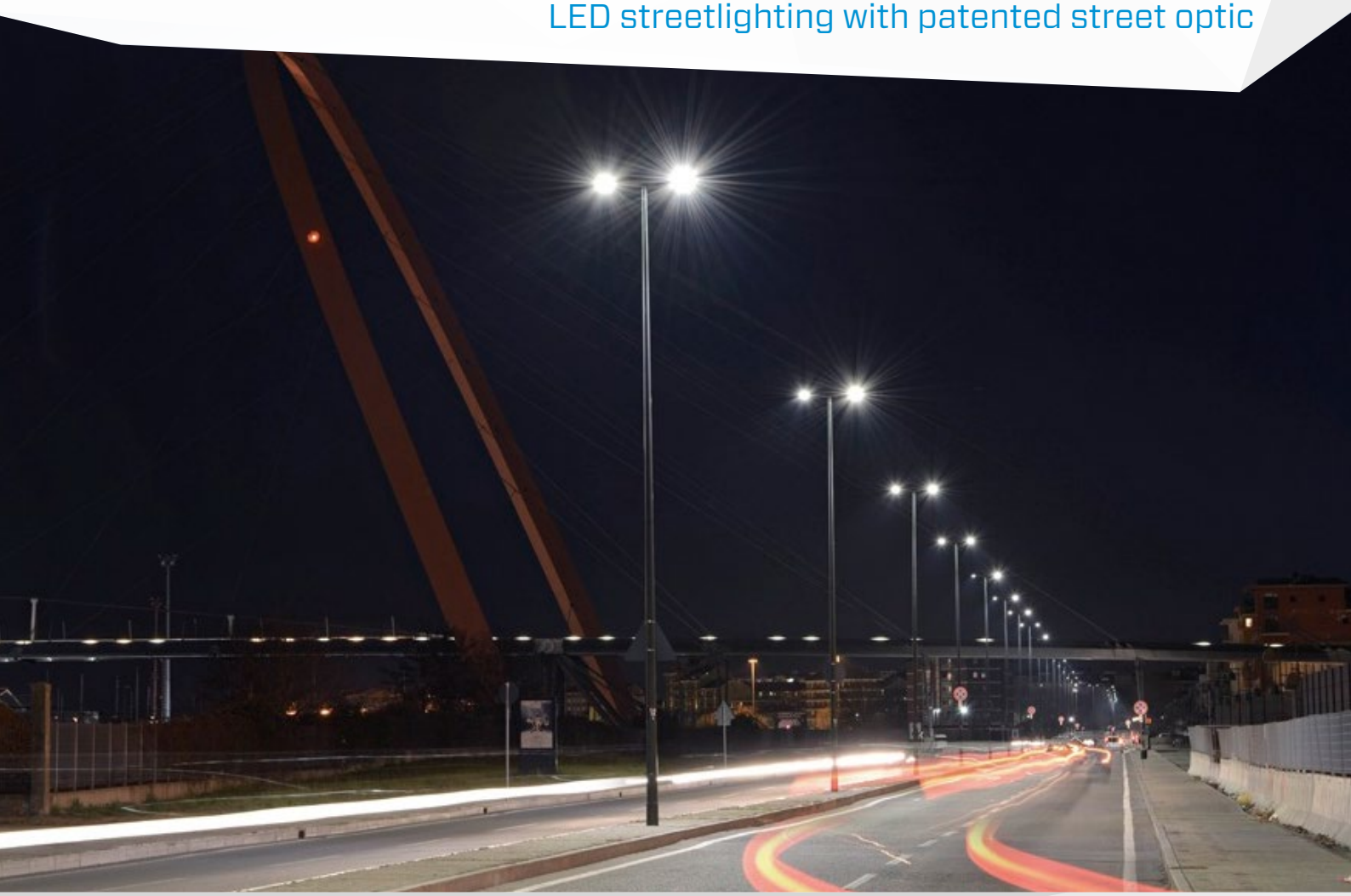
LA SEMAFORICA

ITALO

LED streetlighting with patented street optic



ITALO is our solution for medium-low power requirements for lighting pedestrian crossings.

It is the best for the municipal administrations to achieve energy saving goals.

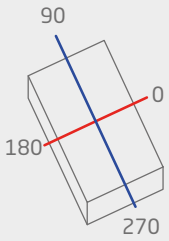
Modern design and a positive aesthetic impact in the urban contexts.

Tempered glass to protect the optics and LEDs.

Photovoltaic version available.

In order to offer the best possible service, La Semaforica reserves the right to modify at any moment and without any warning the features of the products described in this document. This document has the only purpose of illustrating the products. If you need detailed technical data, please do not hesitate to contact us.

615mm x 343mm

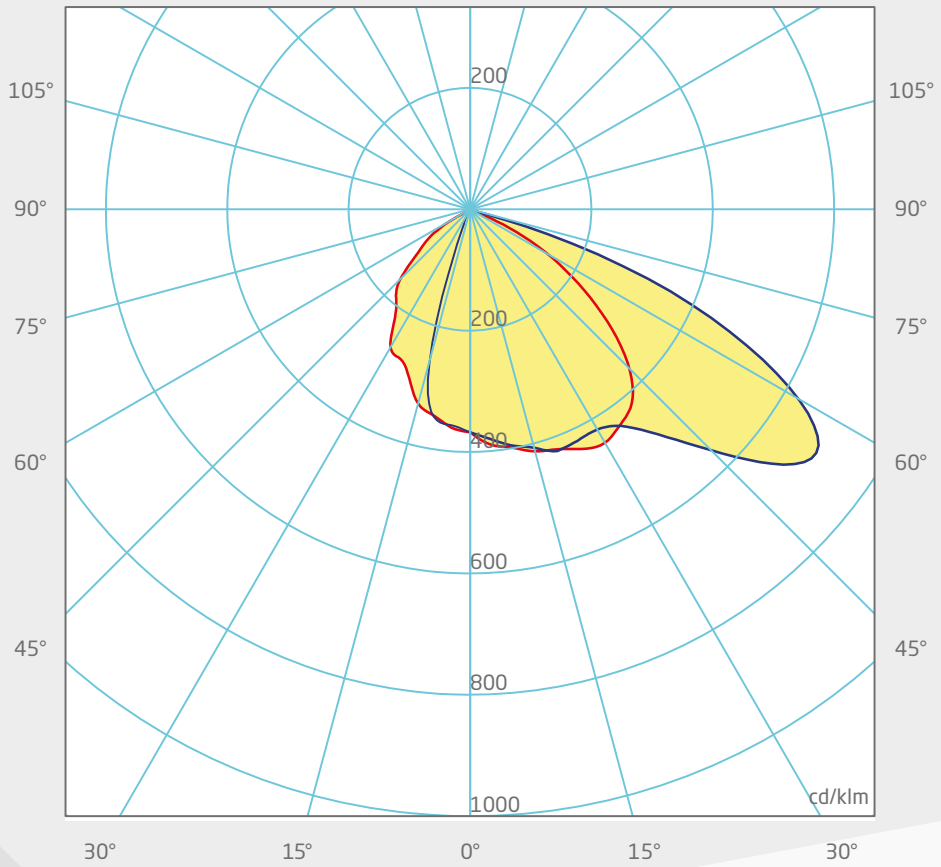


Half-planes C

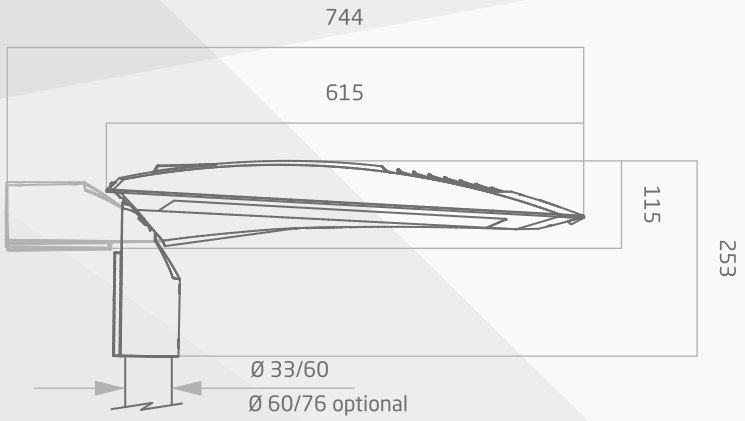
180.0 — 0.0

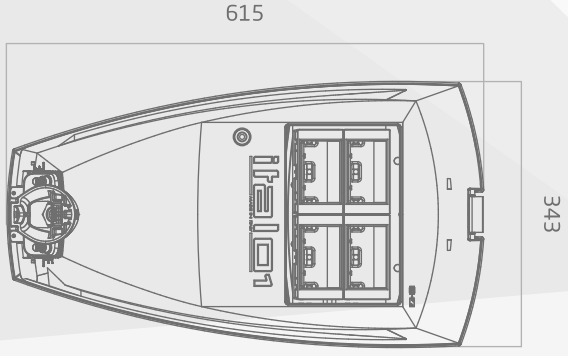
270.0 — 90.0

Gamma Angles



ULOR	0.00 %
DLOR	100.00 %
RN	0.00 %





All dimensions are in mm

MAIN FEATURES

Applications	Street lighting
Optical unit	OP-DX / SX: Asymmetric optic for pedestrian crossings. Color temperature: 4000K | CRI ≥ 70 Photobiological safety class: EXEMPT GROUP LED source efficiency: 151 lm / W @ 525mA, Tj = 85 ° C, 4000K
IPEA	IPEA ≥ A ++ in accordance with Ministerial Decree 13/12/2013 (C.A.M.)
Insulation class	II, I
Degree of protection	IP66 | IK09 Total
LED modules	Removable optical unit on site
Inclinazione	Pole head tilt: 0°, +5°, +10°, +15°, +20° | Braccio: 0°, -5°, -10°, -15°, -20°
Dimensions	See drawing.
Weight	max 6.8 kg
Exposed surface	Lateral: 0.05m2 - Floor plan: 0.18m2 | CdA: 0.04m2
Mounting	Arm or pole head Ø60mm Ø33mm ÷ Ø60mm (optional) | Ø60mm ÷ Ø76mm (optional)
Wiring	Removable wiring plate on site
Working temperature	-40°C / +50°C
Storage temperature	-40°C / +80°C
Reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

ELECTRICAL CHARACTERISTICS

Power supply	220÷240V 50/60Hz
LED current	525mA , 700mA
Power factor	0.9 (full load, PLM) > 0.95 (fully loaded, F, DA, DAC)
Isolator switch	included, with integrated cable stop
Network connection	For cables max. 4mm2
Surge protection device	10kV-10kA integrated SPD, type II, complete with signaling LED and thermal fuse for load disconnection at end of life. Impulse tightness CL.2: 10/9 kV DM / CM
Control system (Options)	F: Fixed non-dimmable. (Basic version) FROM: Automatic dimming (virtual midnight) with default profile. DAC: Custom DA Profile. PLM: Point-to-point communication system with conveyed waves. WL: Point-to-point radio wave communication system.
Optical unit life (Tq=25°C, 700mA)	≥100.000hr L90B10 ≥100.000hr L90, TM-21

MATERIALS

Attack	Die-cast aluminum UNI EN1706. Powder coated.
Heatsink	
Frame	
Coverage	
Closing hook	Extruded aluminum with stainless steel spring
Optical unit	99.85% aluminum with surface finish made with vacuum deposition 99.95%. (Aluminum class A + DIN EN 16268)
Screen	tempered flat glass th. 4mm high transparency
Cable gland	Plastic M20x1.5 - IP68
Seal	Polyurethane
Color	Semi-gloss satin gray Code 2B

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