



ITALO

LED streetlighting with patented street optic



LA SEMAFORICA



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.

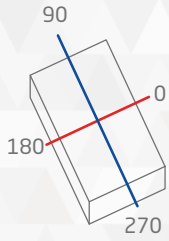
Tempered glass to protect the optics and LEDs.

Photovoltaic version available.

TECHNICAL FEATURES

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: 0.05m ² - Floor plan: 0.18m ² CdA: 0.04m ²
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. 4mm ²
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 CL2: 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

615mm x 343mm

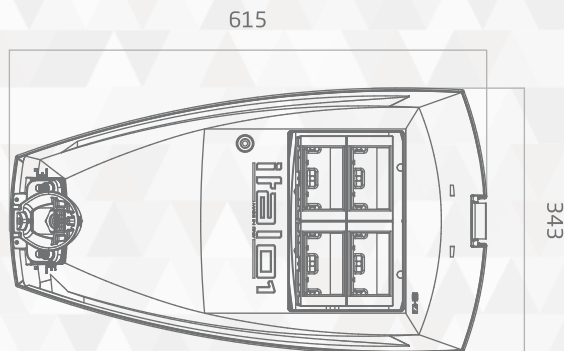
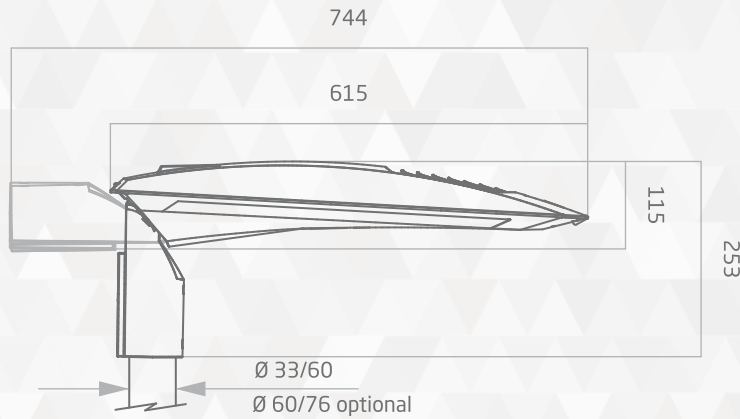
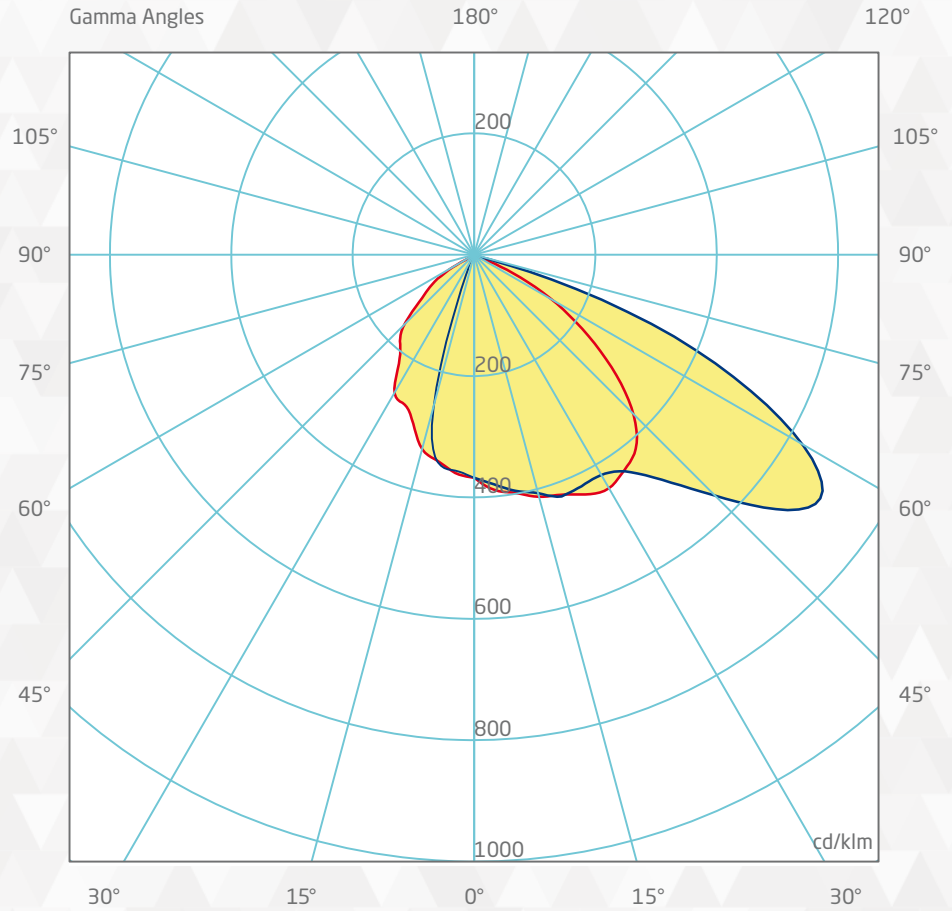


Half-planes C

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %

Gamma Angles



All the dimensions are in mm.

HEADQUARTERS: Via Ponticello, 17 - 35129 Padova (PD) - ITALY

BRANCH: Via Torino, 34 - 20063 Cernusco S.N. (MI) - ITALY

www.lasemaforica.com

T. +39 049 773055

T. +39 02 47951012

info@lasemaforica.com

F. +39 049 8074002

F. +39 02 48630860