

Urban lighting

GIOTTO



CLASSE II (CL I upon request)

Power Supply

External driver ON/OFF. Version available on request: DIMMER 1-10V o 0-10V, DALI 2.
Cable H07 RNF 2x1.5 mm² L.50cm.
Temperature -40° +50°

Controlli

ON-OFF: fixed non-dimmable
MV: Automatic dimming (virtual midnight) with default profile
DALI 2: DALI 2 digital dimming interface
DI: 1-10V analogue dimming interface
ZHAGA on-demand: possibility to apply ZHAGA connector

Applications

Street lighting, car parks, parks, squares, cycle paths, avenues, city centres, etc.

Colour

Dark Grey RAL 7015

Decay of the luminous flux

 ≥ 100.000 hr L90B10 ≥ 110.000 hr TM21-L70

MATERIALS

Body:	Die-cast aluminium alloy UNI EN 46100. Corrosion protection with cathaphoretic treatment + salt spray resistant polyester paint.
Pole connection:	Die-cast aluminium alloy UNI EN 46100. Corrosion protection with epoxy primer + salt spray resistant polyester paint
Optic:	Optical PC HT lenses
Cable gland:	Metal (brass)
Gasket:	Expanded silicone
Lenses:	Optical PC
Screen:	Tempered extra clear 5 mm glass, resistant to thermal shocks and impacts
External screws:	Stainless steel AISI 304

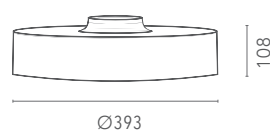
TENDER SPECIFICATIONS

Urban lighting fitting with die-cast aluminium body in UNI EN 46100 alloy. Corrosion protection provided by cathaphoretic treatment + second layer of polyester powder coating salt spray resistant. Screws in stainless steel AISI 304. Extra clear tempered glass, sodium-calcium type 5 mm, resistant to thermal shock and impacts, guaranteed transparency of 93%. Silicone gasket. Integrated On/Off driver with the virtual midnight feature by default (programmable in the phase of order, if necessary), voltage 220-240 Vac 50/60 Hz (available upon request: Dimmer 0/1-10V, DALI2), available upon request connector for ZHAGA control.
Optical group with 36 LEDs size 5050. High colour rendering index CRI $\geq$ 80 (available upon request: CRI $\geq$ 70, CRI $\geq$ 90). Standard colour temperature natural 4000K or 3000K (available upon request: 2700K, 5000K, 5700K). Chromatic uniformity: ≤ 3 SDCM / 3-step MacAdam ellipse. Protected against mechanical impacts IK09, RoHS approval, IP66, CE conformity, luminaire in CLII (CLII available on request). European high quality mark ENEC. LED luminous efficacy LED 5050: 162 l/W Ta=25°C. Photobiological risk group: RG1 (lighting devices that do not present photobiological risk according to the EN62471 standard. Ask the manufacturer for the distance from the observation point, if necessary). Operating temperature -40°/+50°. Optical unit life: ≥ 100.000 hr Ta=25°C. Warranty: 5 years.

Pole type: Ø 40 - 85 mm (Ø 102 mm with shank)

Optical group

PCBA 36 LED size 5050
CRI ≥ 80 , available on request: CRI70, CRI90
3000K or 4000K, available on request: 2700K, 3000K, 5000K, 5700K
MacAdam ellipses (Standard Deviation Colour Matching): 3
LED luminous efficiency: 180 l/W

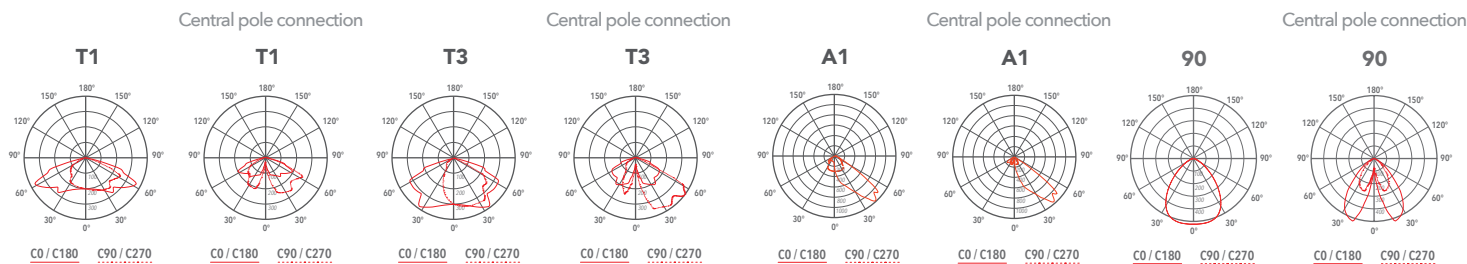


Exposed surface

Front surface 0.12 m² - 0.14 m²
Lateral surface 0.10m² - 0.14 m²

In its catalogs, Lanzini indicates the luminaire's outgoing luminous flux with a tolerance of $\pm 10\%$ from the indicated value. The total wattage (W) represents the total power consumed by the LED system and driver, which does not exceed the specified value by more than 10%.

Photometric curves



					YY	XX			
Code	Source	Power	Lm (Output)	Lm (Tc=25°)	Temperature	CRI	Beams	Colour	Control
LARUB30T12B40020 000	LED	20W	1500 lm	3520 lm	3000 K	≥80	T1	Dark Grey	-
LARUB30T32B40020 000	LED	20W	1770 lm	3520 lm	3000 K	≥80	T3	Dark Grey	-
LARUB30A12B40020 000	LED	20W	2155 lm	3520 lm	3000 K	≥80	A1	Dark Grey	-
LARUB30902B40020 000	LED	20 W	2290 lm	3520 lm	3000 K	≥80	90	Dark Grey	-
LARUB40T12B40020 000	LED	20 W	1580 lm	3720 lm	4000 K	≥80	T1	Dark Grey	-
LARUB40T32B40020 000	LED	20 W	1865 lm	3720 lm	4000 K	≥80	T3	Dark Grey	-
LARUB40A12B40020 000	LED	20 W	2270 lm	3720 lm	4000 K	≥80	A1	Dark Grey	-
LARUB40902B40020 000	LED	20 W	2410 lm	3720 lm	4000 K	≥80	90	Dark Grey	-
LARUB30T12B40060 000	LED	60 W	3870 lm	10560 lm	3000 K	≥80	T1	Dark Grey	-
LARUB30T32B40060 000	LED	60 W	4515 lm	10560 lm	3000 K	≥80	T3	Dark Grey	-
LARUB30A12B40060 000	LED	60 W	5585 lm	10560 lm	3000 K	≥80	A1	Dark Grey	-
LARUB30902B40060 000	LED	60 W	5995 lm	10560 lm	3000 K	≥80	90	Dark Grey	-
LARUB40T12B40060 000	LED	60 W	4075 lm	11160 lm	4000 K	≥80	T1	Dark Grey	-
LARUB40T32B40060 000	LED	60 W	4755 lm	11160 lm	4000 K	≥80	T3	Dark Grey	-
LARUB40A12B40060 000	LED	60 W	5880 lm	11160 lm	4000 K	≥80	A1	Dark Grey	-
LARUB40902B40060 000	LED	60 W	6310 lm	11160 lm	4000 K	≥80	90	Dark Grey	-

Accessories



Fast connector
IP 2 poles
LKITA00000000017



Fast connector
IP 3 poles
LKITA000000000003



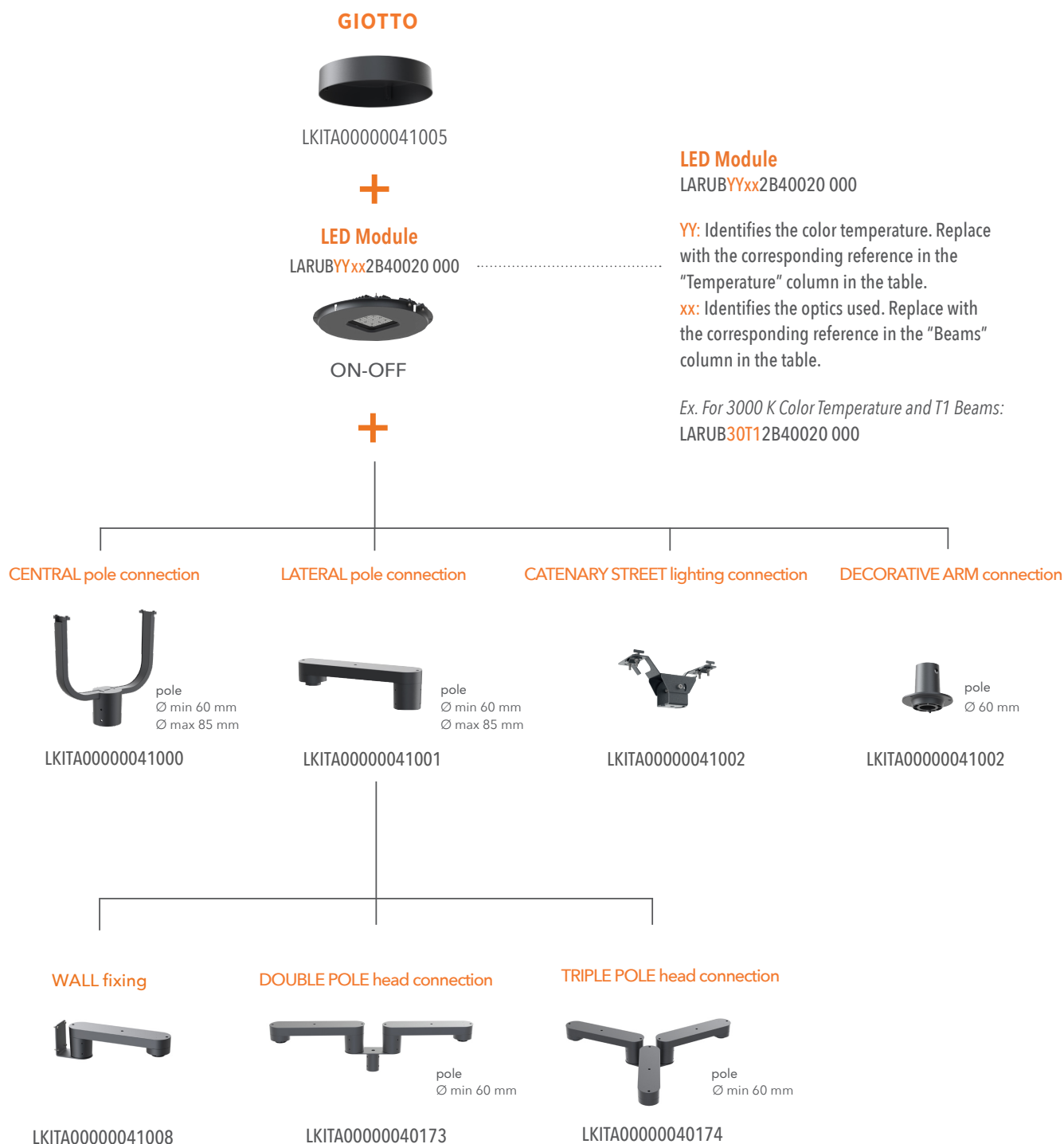
Fast connector
IP 4 poli
LKITA00000000018



Fast connector
IP 5 poli
LKITA00000000103

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PRODUCT CONFIGURATION



LED Module

LARUBYYxx2B40020 000

YY: Identifies the color temperature. Replace with the corresponding reference in the "Temperature" column in the table.

xx: Identifies the optics used. Replace with the corresponding reference in the "Beams" column in the table.

Ex. For 3000 K Color Temperature and T1 Beams:
LARUB30T12B40020 000