

Length **400 mm****APPLICATION**

Modern LED luminaire designed for parks, pedestrian areas, squares and other public spaces. Its circular design provides uniform light distribution, while the clean appearance integrates naturally into contemporary urban environments. Designed for pole-top installation.

4500 lm SYSTEM FLUX	29 W INPUT POWER	155 lm/W EFFICACY	4000K CCT	≥70 CRI	IP66 INGRESS	IK09 IMPACT	100 000 h L90B10
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ELECTRICAL PARAMETERS

Nominal supply voltage	230 (220–240) V AC	Supply voltage range	198–264 V AC
Type of supply current	AC	Supply frequency	50–60 Hz
Rated input power	29W	Power factor (PF)	0.98
Driver efficiency at nominal load	91%	Total harmonic distortion (THDi)	6.50%
Protection class (electric shock)	I	Surge protection (CM / DM)	6/10 kV
Inrush current / time	18.7A/195µs	Driver type	Philips Xitanium
Number of luminaires on MCB 16A type B	<32		

PHOTOMETRIC PARAMETERS

Luminous flux — system	4500lm	Luminous flux — LED module	5300lm
Luminous efficacy — system	155lm/W	Correlated colour temperature (CCT)	4000K
Colour rendering index Ra (CRI)	≥70	Init. CRI tolerance	±3
Light distribution type	Asymmetric	Luminaire beam spread	Wide beam
Optic type	Asymmetrical street	Light output ratio (LOR)	0.87
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	≤ 0.26 / ≤ 0.07
Colour consistency (SDCM)	< 3 MacAdam steps	Upward light output ratio (ULOR)	0
Luminous flux tolerance	±5 %		

CONSTRUCTION & MATERIALS

Luminaire type	Street	Light source type	LED
Light source replaceable	yes	Cap / base type	Integrated
Housing material	Aluminium alloy	Reflector material	N/A
Housing coating	Powder coating	Optic material	PMMA
Optical cover material	Tempered flat glass	Housing colour (RAL)	RAL7007
Mounting type	Post-top	Cutout size	N/A
Overall dimensions (H × W × L)	400x276	Weight (net)	5.5kg
Number of light sources	4 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP66	Impact resistance class IK	IK09
Operating temperature range	-40...+35 °C	Storage temperature range	-40...+65 °C
Glow-wire test	650 °C / 5 s	Relative humidity (max)	N/A

CONTROL & DIMMING

Dimmable	No	Control protocol / interface	on/off
Dimming range	N/A	Auto-dimming (chronoSTEP)	No
Built-in motion / presence sensor	On request	Built-in daylight sensor	On request
LED lumen maintenance compensation (CLO)	Available, On request	ZHAGA / NEMA socket compatibility	Yes

RELIABILITY & LIFETIME

Constant Light Output (CLO)	Available, On request	Light source lifetime	100000@L90 B10h
Lumen maintenance @ 50 000 h	L95B5	Lumen maintenance @ 100 000 h	L90 B10
Control gear failure rate @ 50 000 h	5 %	Control gear failure rate @ 100 000 h	10%
Maximum case temperature Tc	75°C		

CERTIFICATIONS

Warranty period	5 years	CE marking	Yes
ENEC mark	No	ENEC+ mark	No
UKCA marking	Yes	D4i certified (DALI)	No
EU RoHS compliant	Yes	Light source energy efficiency class	C

STANDARDS & SUSTAINABILITY

Applicable standard	EN-IEC 62722-2-2	ETIM Class	EC000062
Application areas	Streets, city centres, yards and squares.		

Environmental data. Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

Documents. Photometric files (IES / LDT) and installation instructions are available at takton.ee.