

WLO117_150 13900lm 96W 840 I IP65 PC WB90 DALI

90 · 4000 K · IP65 · IK10 · White



Length 75 mm

APPLICATION

LENTRA COMFORT is a waterproof linear luminaire with an extruded polycarbonate housing, a clear cover and three-row BJB optics. Its optical system combines controlled light distribution with an emphasis on visual comfort. A wide choice of symmetrical and asymmetrical distributions makes it suitable for warehouse aisles, production facilities, parking areas and workspaces. Different lumen outputs, wattages and control options are available to meet project requirements.

13900 lm SYSTEM FLUX	96 W INPUT POWER	145 lm/W EFFICACY	4000 K CCT	≥80 CRI	IP65 INGRESS	IK10 IMPACT	50 000 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	96W	Power factor (PF)	0.95
Driver efficiency at nominal load	92%	Total harmonic distortion (THDi)	< 10% @ full load
Protection class (electric shock)	I	Surge protection (CM / DM)	4/2 kV
Driver type	Philips Xitanium	Number of luminaires on MCB 16A type B	34

PHOTOMETRIC PARAMETERS

Luminous flux — system	13900lm	Luminous flux — LED module	17375lm
Luminous efficacy — system	145lm/W	Correlated colour temperature (CCT)	4000 K
Colour rendering index Ra (CRI)	≥80	Init. CRI tolerance	±3
Light distribution type	90	Luminaire beam spread	89.0° / 118.0°
Optic type	Symmetric	Light output ratio (LOR)	0,90
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	≤0.1 / ≤0.2
Colour consistency (SDCM)	< 3 MacAdam steps	Upward light output ratio (ULOR)	N/A
Luminous flux tolerance	±5 %		

CONSTRUCTION & MATERIALS

Luminaire type	Dust/Waterproof	Light source type	LED
Light source replaceable	yes	Cap / base type	Integrated
Housing material	Polycarbonate	Reflector material	N/A
Housing coating	N/A	Optic material	PMMA
Optical cover material	N/A	Housing colour (RAL)	White
Mounting type	Surface, suspended	Cutout size	N/A
Overall dimensions (H × W × L)	75x63x1510	Weight (net)	2.8kg
Effective projected area	N/A	Windage projection area (side / below)	N/A
Number of light sources	2 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP65	Impact resistance class IK	IK10
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	Yes	Control protocol / interface	DALI, Touch & Dim
Dimming range	10-100%	Built-in motion / presence sensor	on request
Built-in daylight sensor	On request	ZHAGA / NEMA socket compatibility	on request

RELIABILITY & LIFETIME

Light source lifetime	50000 @ L80 B10h	Lumen maintenance @ 50 000 h	L80B10
Lumen maintenance @ 100 000 h	L70 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 62722-2-1	ETIM Class	EC002892
Recyclable content ratio	Not determined	Non-virgin material ratio	Not determined
Sustainability rating	Not determined	EAN / UPC	Not determined
Application areas	Industry, warehouses, parkings, general lighting		

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.