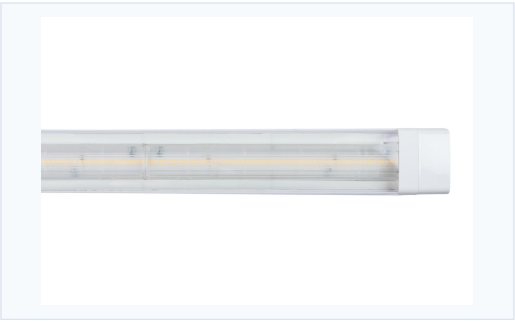
WLO110 · WATERPROOF- PRECISION OPTICS

WLO110 _150 15600lm 110W 840 I IP65 PC WB90

90 · 4000 K · IP65 · IK10 · White



APPLICATION

LENTRA CORE is a cost-effective waterproof linear luminaire with an extruded polycarbonate housing, a clear cover and single-row, pitch-independent BJB optics. A wide choice of symmetrical and asymmetrical light distributions provides targeted lighting for warehouses, parking areas and industrial spaces. Different lumen outputs, wattages and control options are available to meet project requirements.

15600 lm	110 W	142 lm/W	4000 K	≥80	IP65	IK10	50 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

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	**110W**	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	**TCI**	Number of luminaires on MCB 16A type B	**30**

PHOTOMETRIC PARAMETERS

Luminous flux — system	**15600lm**	Luminous flux — LED module	**19500lm**
Luminous efficacy — system	**142lm/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	**-20...+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**	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**
D-Mark (EN 60598-2-24)	**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.