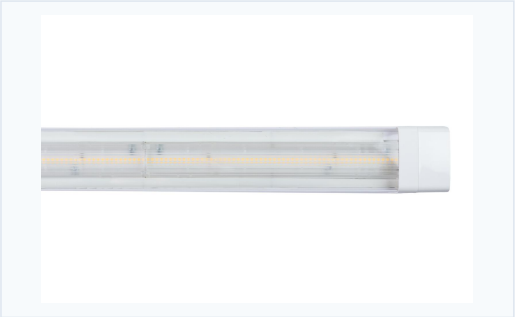
WLO110 · WATERPROOF- PRECISION OPTICS

# WLO110 _150 6500lm 39W 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.

| 6500 lm | 39 W | 167 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 | **39W** | 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 | **6500lm** | Luminous flux — LED module | **8125lm** |
| Luminous efficacy — system | **167lm/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 | **N/A** | Light output ratio (LOR) | **0.85** |
| 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.