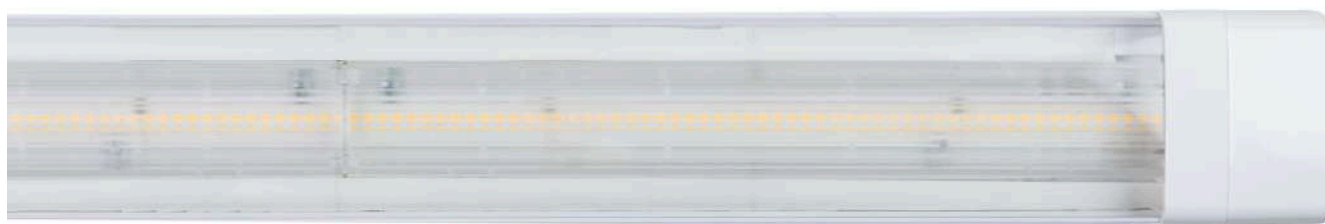


LENTRA CORE

WLO110_120 / WLO110_150 · 33–110 W · 5 200–15 600 lm

LENTRA CORE is a cost-efficient IP65 linear luminaire with a polycarbonate housing, a clear cover and single-row BJB lens optics. Five light distributions give controlled illumination for warehouses, production and storage areas, workshops, covered car parks and general industrial applications.



Up to 167 lm/W

LUMINAIRE EFFICACY

IP65 · IK10

DUST, WATER-JET AND IMPACT
PROTECTION

5 distributions

SYMMETRIC AND ASYMMETRIC OPTICS

Controlled light with practical efficiency

Conventional waterproof luminaires generally provide a wide diffuse distribution. LENTRA CORE uses dedicated single-row lens optics to direct light into the working area, so the same luminous flux does more useful work. The optimised product configuration keeps the range practical: five distributions, two control versions and one housing.

142–167 lm/W

LUMINAIRE EFFICACY

Performance stated at complete-luminaire level, including the optical system.

Single-row BJB optics

OPTICAL SYSTEM

One optical row with dedicated lenses per distribution, measured as a complete luminaire.

IP65 · IK10

HOUSING PROTECTION

Dust-tight and protected against water jets, with IK10 impact resistance.

60 standard articles

CATALOGUE RANGE

Six listed length/output configurations with five optics and two control versions.

4000 K · CRI ≥ 80

LIGHT QUALITY

Neutral white across the whole range, so mixed installations stay visually consistent.

ON/OFF · DALI with Touch & Dim

CONTROL VERSIONS

Every output package is listed in both control versions.

WHERE THE RANGE IS USED

1 Warehouse aisles

NB30 concentrates light downward for high mounting positions. DAS directs light towards opposing rack faces and should be selected according to the aisle geometry.

3 Covered car parks

WB90 provides broad symmetrical coverage in open areas. AS can be oriented for perimeter and edge-row applications. Final spacing should be verified by project lighting calculation.

2 Production and storage areas

MB60 provides a versatile distribution for medium mounting heights and mixed floor layouts.

4 Workshops and service areas

Lower-output configurations are suitable for workshops and service areas, subject to the project lighting calculation.



HOUSING · CLEAR COVER



SINGLE-ROW LENS OPTICS



END CAP · CABLE ENTRY

Precision distributions for different applications

Five optical distributions share one housing. The polar diagrams below are plotted from the optical system data for the C0–C180 and C90–C270 planes, at a common scale, normalised to cd/klm.

NB30 · narrow beam

Narrow distribution in the transverse plane with the highest centre-beam intensity of the range, for high mounting positions.

MB60 · medium beam

General-purpose distribution for production and storage areas at medium mounting heights.

WB90 · wide beam

Wide symmetrical distribution for lower mounting heights, open areas and wider luminaire spacing.

DAS · double asymmetric

Double-asymmetric distribution for illuminating both sides of an aisle from a central luminaire row.

AS · asymmetric

Single-asymmetric distribution for perimeter rows, wall zones and single-sided racking.

Reading the diagrams

All five diagrams share the same scale, so beam widths and centre-beam intensities can be compared directly. Values in cd/klm.

C0–C180

C90–C270

HOW THE DESIGNATION READS

WLO110_150 11100lm 75W 840 I IP65 PC WB90 DALI			
WLO110_150	11100lm 75W	840 · I · IP65 · PC	WB90 · DALI
Family and nominal length version	Luminous flux and input power	4000 K, CRI ≥ 80, protection class I, IP65, polycarbonate housing	Optic and control version

This variant is article 700151255211. Omitting DALI from the designation gives the ON/OFF version of the same variant.

Six output packages, 60 standard articles

Every output package is available with NB30, MB60, WB90, DAS and AS optics, each in an ON/OFF and a DALI with Touch & Dim version.

VERSION	LUMINOUS FLUX	INPUT POWER	EFFICACY	ARTICLES
WLO110_150	15 600 lm	110 W	142 lm/W	700151255200–700151255209
WLO110_150	11 100 lm	75 W	148 lm/W	700151255210–700151255219
WLO110_150	9 550 lm	63 W	152 lm/W	700151255220–700151255229
WLO110_150	6 500 lm	39 W	167 lm/W	700151255230–700151255239
WLO110_120	7 700 lm	51 W	151 lm/W	700151255240–700151255249
WLO110_120	5 200 lm	33 W	158 lm/W	700151255250–700151255259

All figures at 4000 K, CRI ≥ 80. Each listed row represents ten standard articles: five optics × two control versions. The two control versions are ON/OFF and DALI with Touch & Dim. All five optics are standard; none of them is a made-to-order option.

TECHNICAL DATA

Housing	Polycarbonate
Cover	Clear polycarbonate
Optical system	Single-row BJB lens optics
Model versions	WLO110_120 · WLO110_150
Colour temperature	4000 K
Colour rendering	CRI ≥ 80
Ingress protection	IP65
Impact resistance	IK10
Protection class	Class I
Finish	White
Dimensions	75 × 63 × 1230 mm · 75 × 63 × 1510 mm
Weight	2.4 kg · 2.8 kg
Ambient temperature	ta +35 °C standard · up to +50 °C on request
Warranty	5 years
Control versions	ON/OFF · DALI with Touch & Dim

AVAILABLE CONFIGURATIONS

Six listed length/output configurations are available with five optical distributions and two control versions: ON/OFF and DALI with Touch & Dim.

Photometric files are available for project planning, and lighting calculations are available on request.