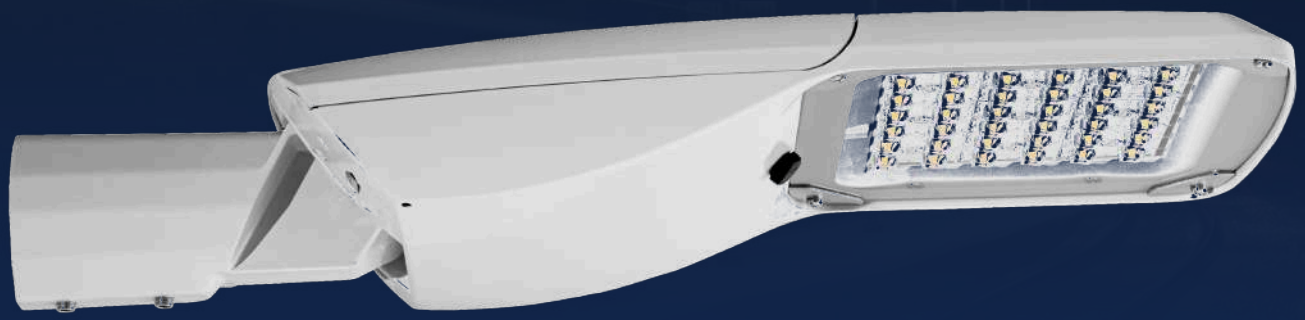


VIKING GEN2

DKS850 · street and road luminaire

Sizes AS / A / B / C · 13…204 W · 1 550…35 800 lm

Up to **180 lm/W** System efficacy High-efficiency versions	**5 years** Manufacturer warranty Assembled in Pärnu, Estonia	**Zhaga-D4i** Certified configurations available Control node selected per project

DESIGNED FOR

Motorways and M-class roads · urban streets and city centres · residential areas, parks and footpaths · parking facilities and logistics yards · industrial sites and perimeters

TAKTON OÜ · Savi 7, Pärnu 80041, Estonia
Product brochure · July 2026

TAKTON lighting

Four sizes, one platform

One housing family, one optical system and a consistent approach to maintenance across the range. The size is chosen from the required flux and mounting height; everything else — optic, colour temperature, driver and controls — is selected per project.

DKS850 · THREE-QUARTER VIEW

SIZE	INPUT POWER	LUMINOUS FLUX	TYPICAL APPLICATION
AS	13…34 W	2 050…5 900 lm	Footpaths, courtyards, cycle lanes
A	17…77 W	1 550…13 300 lm	Residential and urban streets
B	84…133 W	7 600…23 600 lm	Main roads, large open areas
C	136…204 W	12 000…35 800 lm	Motorways, junctions, industry

Flux and power for 4000 K versions. Spigot connection ±15°, Ø 48…60 mm and Ø 76 mm versions.

OPTICAL COMPARTMENT · FRONT VIEW

SIDE VIEW · SPIGOT ENTRY

COMMON TO ALL FOUR SIZES

Die-cast aluminium housing, IP66, toughened flat glass, IK09

Knife connector for the mains supply, inside the gear compartment

Operating range −30…+35 °C

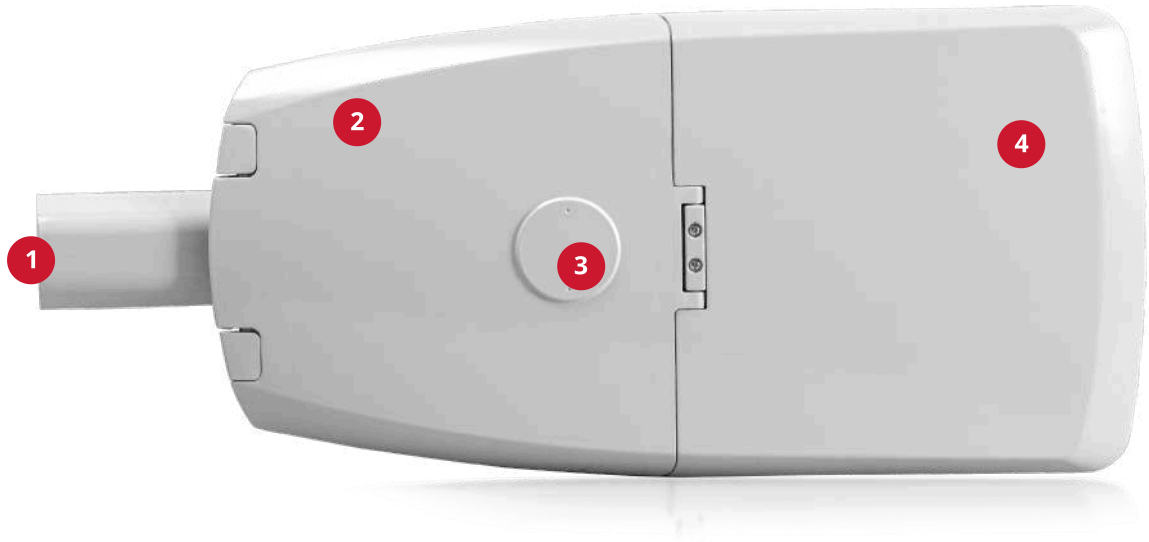
16 LEDIL PMMA optics, chosen per project

1700 K amber, 3000 K and 4000 K; further CCTs on request

5-year manufacturer warranty, assembled in Pärnu

Engineered for service

The driver can be replaced on the pole without removing the luminaire. Gear and optical compartments are separate, and the gear cover opens without loose parts.



1 Spigot connection ±15°, Ø 48...60 mm and Ø 76 mm versions

2 Gear compartment cover, opened by clip — no loose parts on the pole

3 Prepared position for a control node, blanking cover fitted as delivered

4 Die-cast aluminium optical compartment, IP66, toughened flat glass, IK09

PREPARED CONTROL-NODE POSITION

DRIVER · SIGNIFY XITANIUM XTREME

OPTICS · LEDIL PMMA LENS ARRAY

MODULE AND DRIVER

LED module in Zhaga Book 15 format. Replaceable driver.

NAMED COMPONENTS

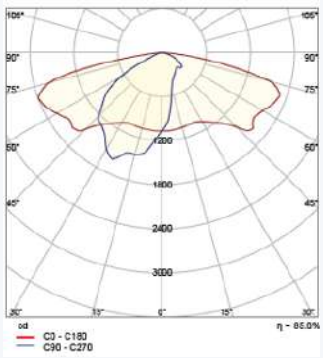
OSRAM LED chips, MST / TCI LED modules, LEDIL PMMA optics and Signify Xitanium Xtreme drivers.

SEALING AND WIRING

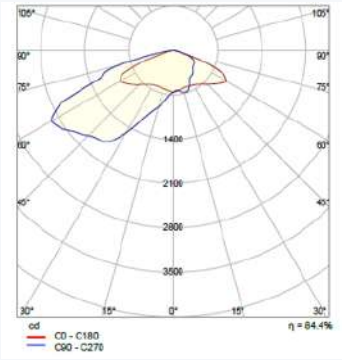
IP66 with a breathing device; mains terminated on a knife connector inside the gear compartment.

Light distribution

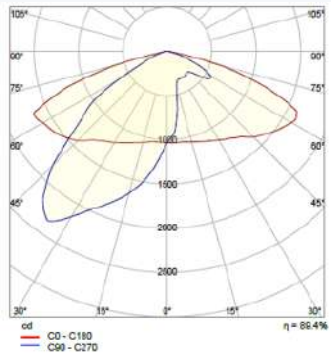
Sixteen LEDIL PMMA distributions are available for the DKS850, with an optical efficiency of the lenses up to 0.97. The polar curves below show four of them, in the order WB1, AST4, NB1, NB3.



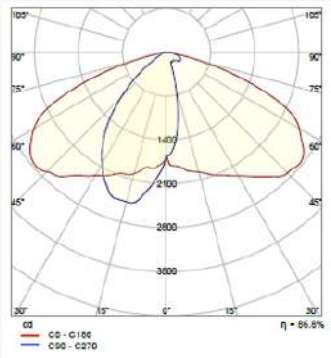
WB1
M / P roads, width ≤ mounting height, long spans



AST4
Streets, roads and parking lots



NB1
Wide M / P roads, width ≥ mounting height



NB3
Narrow M-class roads, long pole spacing

Representative polar curves in cd for different configurations; absolute values are not directly comparable.

THE REMAINING CATALOGUE OPTICS

NB2 M-class luminance, wide roads · **WB2** security and CCTV · **LN1** width < pole height · **MM1** high poles · **MN9** long pole spacing · **MN1** house-side light · **MW5** wide roads · **ASR** / **ASL** crossings, right / left-side traffic · **WSD** extra-wide area lighting · **ASWD** forward throw, areas · **FT6W** wide forward throw

COLOUR TEMPERATURE

1700 K amber with reduced blue-light content, 3000 K and 4000 K. 2700 K, 5000 K and 5700 K on request.

COLOUR RENDERING

CRI ≥ 70 for the white versions, 3000 K and 4000 K.

PHOTOMETRIC FILES

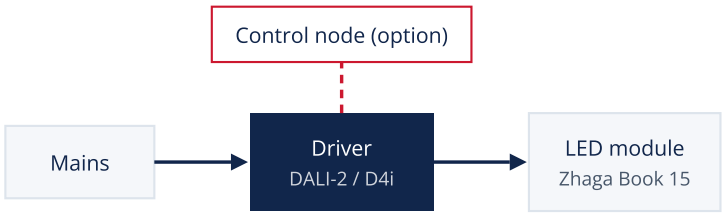
IES / LDT files are available for the selected luminaire configuration. Project-specific lighting calculations are based on the actual site geometry.

Wired now, connected later

The control-node socket is an option: where it is not ordered, the prepared position is closed with a blanking cover. Control functions are selected per order and depend on the driver fitted.

CONTROL-NODE POSITION, AS DELIVERED

CONTROL CONCEPT

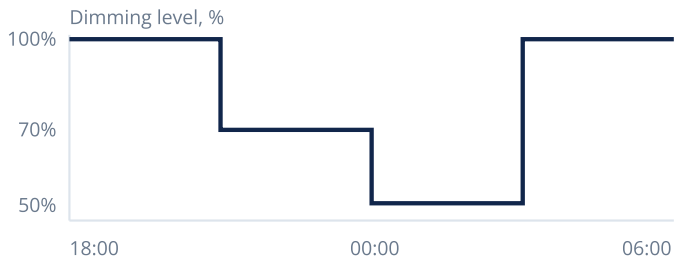


Simplified functional diagram

FUNCTION	WHAT IT DOES	AVAILABILITY
Zhaga Book 18 socket	Interface for a D4i control node. Control node not included.	Option
CLO	Constant light output — the driver compensates LED depreciation over life.	Driver setting
AstroDIM / Dynadimmer	Preset night-time dimming steps, run autonomously in the luminaire, without a control network.	Driver setting
LineSwitch	External switching control, depending on driver configuration.	Driver-dependent option
1–10 V	Dimming from a simple analogue control signal.	Driver-dependent option

The functions combined in one luminaire are stated on the quotation.

ILLUSTRATIVE DIMMING PROFILE



Illustrative dimming profile. Settings are selected to suit the project.

Compliance and certification

Conformity marking and independent certification held for the DKS850 family. Supporting documentation is available for tender files.

CONFORMITY MARKING

CE

UKCA

Declaration of conformity with the applicable European and UK requirements, issued by the manufacturer.

INDEPENDENT CERTIFICATION

ENEC 22

ENEC+ 22

Zhaga-D4i

Certified and surveilled by independent bodies. Certificate scope is stated on each certificate.

ENEC

Safety and construction certified by an independent European body, with continuing surveillance of the factory.

ENEC+

Photometric performance, including luminous flux and efficacy, independently verified. Documentation available for tender submissions.

ZHAGA-D4I

Certified interoperability between the luminaire and a compatible D4i control node, including reporting over DALI-2.

SELECTED TAKTON PROJECTS

Estonia
Pärnu–Uulu road · Tallinn Airport car park

Lithuania
Marijampolė · Plungė · Klaipėda · Panevėžys

Latvia
Latvian Railways (LDZ) · Daugavpils · Rēzekne · Jūrmala

Further project references are available on request.

ABOUT TAKTON

Estonian manufacturer of professional indoor and outdoor luminaires, produced at the Pärnu factory. ISO 9001 quality management, certified by Bureau Veritas. Output across the whole TAKTON range exceeds 15 000 luminaires per year.

ABOUT THE DKS850

39 catalogue variants in four sizes, assembled in Pärnu, with a 5-year manufacturer warranty as standard.

Request a configuration, photometric files and a DIALux calculation

Optics, colour temperature, driver, controls and finish are selected per project. Tell us the road geometry and the lighting class, and the proposal comes back with IES / LDT files and a calculation.

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