TAKTON lighting

OUTDOOR · PRODUCT FAMILY BROCHURE · EDITION 2026

Floodlighting

ODIN Gen2 · DKF291 – DKF295

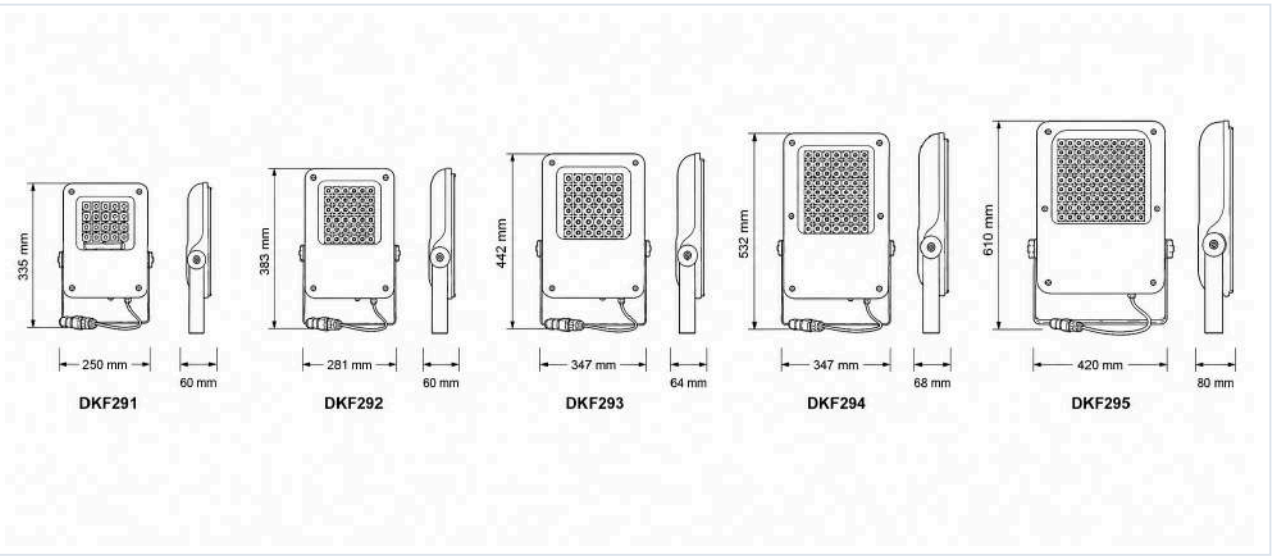
Sports fields and open areas · Parking areas and industrial yards · Facades and advertising structures

POWER	LUMINOUS FLUX	PROTECTION
18 – 315 W	**2 500 – 52 000 lm**	**IP66 · IK09**

Five housing sizes, one family

The ODIN Gen2 range covers everything from a single facade detail to a high-mast installation over a logistics yard. All five sizes share the same construction, glass, bracket and IP68 plug connection, so a project can mix sizes without changing the mounting or wiring method.

TYPE	NAME	POWER	LUMINOUS FLUX	EFFICACY	L × W × T, MM	WEIGHT
DKF291	ODIN XS	18–53 W	2 500–7 800 lm	139–157 lm/W	335.2 × 250 × 59.7	3.4 kg
DKF292	ODIN S	53–80 W	7 400–11 000 lm	135–151 lm/W	383.1 × 281 × 59.7	4.4 kg
DKF293	ODIN M	100–135 W	14 700–18 500 lm	133–150 lm/W	441.8 × 346.8 × 63.7	6.3 kg
DKF294	ODIN L	150–172 W	21 000–26 000 lm	140–151 lm/W	531.5 × 346.8 × 68.1	8.5 kg
DKF295	ODIN XL	205–315 W	29 500–52 000 lm	143–151 lm/W	610 × 420 × 80	11.0 kg



Applications

PARKING AREAS AND YARDS

Asymmetric ASWD and AST4 optics put the light on the surface that needs it and keep it off neighbouring plots. DKF293–295 cover large car parks, industrial yards and loading areas from pole and high-mast positions.

COMMUNITY SPORTS

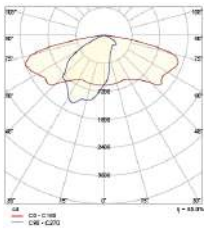
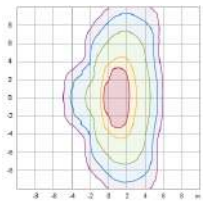
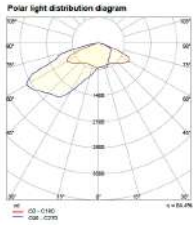
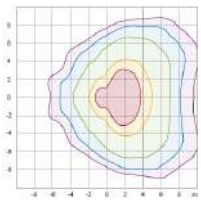
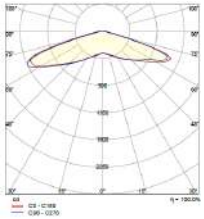
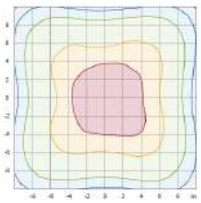
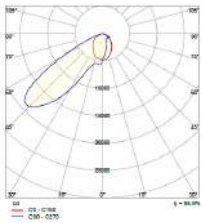
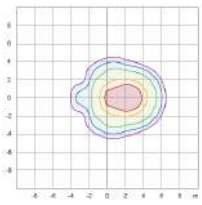
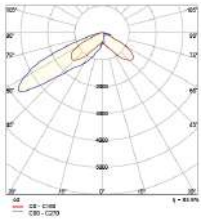
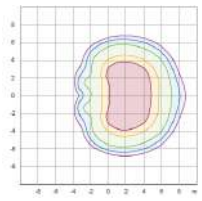
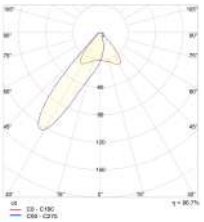
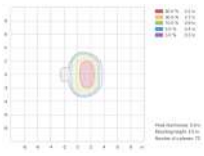
Rotationally symmetric RS optics light courts and training areas evenly.
DKF294 and DKF295 suit small and amateur sports fields, recreational courts and training grounds.

FACADES AND STRUCTURES

The compact DKF291 and DKF292 handle building facades, architectural features and advertising banners, where the housing has to stay discreet and the beam has to stop at the edge of the surface.

Asymmetric distributions

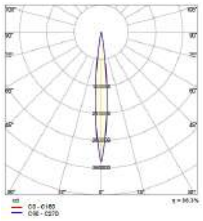
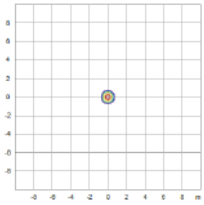
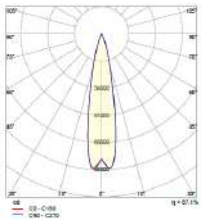
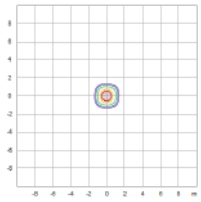
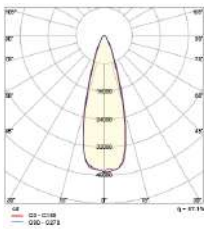
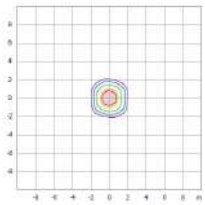
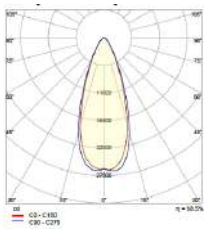
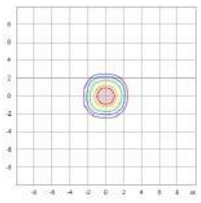
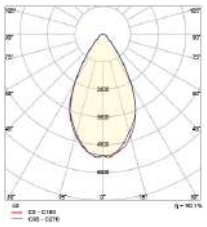
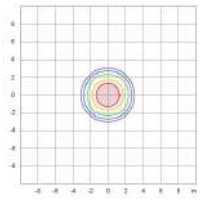
Polar diagram · Iso-lux
Availability subject to luminaire size and configuration

OPTIC	APPLICATION	POLAR	ISO-LUX
WB1	Asymmetric for M and P class roads that are equal to or less than the mounting height, long pole distances		
AST4	Suitable for various outdoor lighting applications such as streets, roads and parking lots, combining efficiency with precise light distribution		
WSD ON REQUEST	Extra-wide asymmetric distribution for uniform area lighting		
ASWD	Asymmetric medium wide forward throw beam with optimized cut-off for area lighting		
FT6W ON REQUEST	Asymmetric wide forward throw beam with optimized cut-off for area lighting		
FT4 ON REQUEST	Narrow forward throw beam with balanced spill light control and backlight. For area lighting		

Optic descriptions and diagrams as supplied in the TAKTON floodlight optics document. Published DKF291–295 articles carry ASWD, AST4, AST4D, WB1D and the RS series; WSD, FT6W and FT4 are available on request. Availability subject to luminaire size and configuration.

Rotationally symmetric distributions

Polar diagram · Iso-lux
Availability subject to luminaire size and configuration

OPTIC	BEAM	POLAR	ISO-LUX
RS10	Rotationally symmetric 10°		
RS20 ON REQUEST	Rotationally symmetric 20°		
RS33	Rotationally symmetric 33°		
RS48	Rotationally symmetric 48°		
RS60 ON REQUEST	Rotationally symmetric 60°		

READING A DESIGNATION

DKF29x · flux · power · 740 (4000 K, CRI 70) · Class I · optic code · IC0 (no control interface).

CHOOSING A DISTRIBUTION

Asymmetric optics keep light on the target surface and off its surroundings; symmetric RS optics give even coverage from mast and pole positions. Photometric files are available per article.

REASONS TO BELIEVE

Platform output
up to 52 000 lm

Components from trusted European brands

IMAGE PLACEHOLDER
OSRAM LED CHIP

LED CHIPS

OSRAM

- High-power chips, two types
- Chip rated life > 100 000 h
- Controlled binning per batch

IMAGE PLACEHOLDER
LED MODULE, ZHAGA BOOK 15

LED MODULES

European LED module manufacturing

- Zhaga Book 15, 2×2 · 50 mm
- Standard form factor, catalogue part
- Alternative compatible modules available

OPTICS

LEDIL Oy, Finland

- Low-ageing PMMA lenses
- Optical efficiency up to 0.97
- Wide selection of optics available across all housing sizes

DRIVERS

Signify / Philips Xitanium Xtreme

- Configurable constant-current driver
- Surge protection 10 kV CM / 6 kV DM
- Long-term availability and quality-neutral replacements

Standard form factors and catalogue components reduce dependence on proprietary spare parts. Availability subject to luminaire size and configuration.

Designed to minimise maintenance

5 years manufacturer warranty as standard	UP TO **100 000 h** calculated LED lumen maintenance, subject to configuration and ambient temperature	**Replaceable driver** standard catalogue component

Designed-in margins

LED drive current and junction temperature are kept below the limits the components allow, and the driver sits below its critical ambient. Reliability is a design decision, not a warranty promise.

Standard form factors only

Zhaga Book 15 modules and catalogue drivers mean spare parts can be bought on the open market — from Philips, Tridonic and others — and not only from us.

Long component lifecycle

Long-term availability and quality-neutral replacement options help support future maintenance. PMMA optics offer high resistance to UV exposure and long-term optical degradation.

CONSTRUCTION ADVANTAGES

Five housing sizes on one platform	Slim die-cast aluminium housing	Extra-clear toughened flat glass	Low-ageing PMMA optics
Adjustable U-shaped bracket	IP68 plug connection	Replaceable standard catalogue driver	IP66 · IK09 protection

Result: fewer service interventions and predictable availability of replacement components.

Technical data

ELECTRICAL

Mains voltage	220–240 V / 50–60 Hz
Driver	Built-in Philips Xitanium Outdoor
Power factor	≥ 0.95
Surge protection	10 kV CM / 6 kV DM
Electrical protection class	Class I standard, II on request
Connection	0.4 m cable as standard, IP68 connector; 3×1.0–3×2.5 mm², Ø 7–12 mm

LIGHTING PERFORMANCE

Light source	Modules with OSRAM LED chips
Efficacy	up to 157 lm/W
CCT	4000 K standard; 1700/1800, 2800, 3000, 5700 K available
CRI · SDCM	≥ 70 · < 5
Lumen maintenance	Calculated LED lumen maintenance up to 100 000 h, subject to configuration and ambient temperature
Photobiological safety	RG1

CONSTRUCTION

Housing	High-pressure die-cast aluminium, powder coated, no plastic parts
Colour	RAL 7024
Optical cover	Extra-clear toughened flat glass; low-ageing PMMA lenses
Ingress / impact	IP66 · IK09
Mounting	U-shaped bracket, adjustable tilt; 2× M12 slots at 25 Nm or 1× M14 central hole at 35 Nm

OPERATION AND APPROVALS

Control	Without interface as standard; DALI, Casambi, D4i on request
Application	Outdoor use only; above 3 m mounting height a second fixing security system is mandatory
Maintenance	Glass opening 8× T20, 1.6 Nm; LED modules replaced by the manufacturer only
Documents	CE and UK declarations of conformity, warranty declaration, installation instruction DKF291–295
Approvals	CE marked, RoHS compliant

TAKTON lighting

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MANUFACTURED IN PÄRNU

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