

Length **610 mm**

APPLICATION

DKF 295 Odin Gen2 XL is a high-output LED floodlight designed for large outdoor areas, high-mast lighting installations, industrial and logistics sites, large parking areas, as well as small and amateur sports fields. Its robust yet slim die-cast aluminium housing delivers powerful illumination without unnecessary bulk, while the adjustable mounting bracket enables precise positioning on masts, poles and supporting structures. A wide selection of symmetrical and asymmetrical optics allows the light distribution to be adapted to the dimensions and geometry of each site. The available optics make the floodlight suitable for high-mast illumination of large open spaces, storage and loading areas, transport terminals, community and amateur sports grounds. Accurate optical control provides efficient coverage and helps reduce unnecessary spill light outside the illuminated area. With a luminous flux of up to 38,000 lm and an efficacy of up to 150 lm/W, Odin Gen2 delivers powerful illumination with efficient energy consumption. The IP66 and IK08 construction, tempered glass cover and Philips Xitanium outdoor driver ensure reliable operation in demanding outdoor environments. Different colour temperatures are available for industrial, area and recreational sports lighting projects

50000 lm SYSTEM FLUX	315 W INPUT POWER	159 lm/W EFFICACY	4000K CCT	≥70 CRI	IP66 INGRESS	IK09 IMPACT	100 000 h L90B10
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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	315W	Power factor (PF)	0.98
Driver efficiency at nominal load	92%	Total harmonic distortion (THDi)	10.00%
Protection class (electric shock)	I	Surge protection (CM / DM)	6/10 kV
Inrush current / time	41A 764μsec	Driver type	TCI
Number of luminaires on MCB 16A type B	2		

PHOTOMETRIC PARAMETERS

Luminous flux — system	50000lm	Luminous flux — LED module	58824lm
Luminous efficacy — system	159lm/W	Correlated colour temperature (CCT)	4000K
Colour rendering index Ra (CRI)	≥70	Init. CRI tolerance	±4
Light distribution type	Asymmetric	Luminaire beam spread	Wide beam
Optic type	Asymmetrical area	Light output ratio (LOR)	0.85
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	Not specified by the driver manufacturer
Colour consistency (SDCM)	< 3 MacAdam steps	Upward light output ratio (ULOR)	0
Luminous flux tolerance	±5 %		

CONSTRUCTION & MATERIALS

Luminaire type	Floodlight	Light source type	LED
Light source replaceable	yes	Cap / base type	Integrated
Housing material	Aluminium alloy	Housing coating	Powder coating
Optic material	PMMA	Optical cover material	Tempered flat glass
Housing colour (RAL)	RAL 7024	Mounting type	U-shape mounting bracket fixed with standard bolts and nuts.
Cutout size	N/A	Overall dimensions (H × W × L)	610x420x80mm
Weight (net)	11kg	Effective projected area	At horizontal position 0.052
Number of gear units	1 pcs		

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP66	Impact resistance class IK	IK09
Operating temperature range	-40...+35 °C	Storage temperature range	-40...+65 °C
Glow-wire test	650 °C / 5 s	Relative humidity (max)	N/A

CONTROL & DIMMING

Dimmable	On/off	Control protocol / interface	DALI,CASAMBI, D4i on request
Auto-dimming (chronoSTEP)	Yes, 5 step	Built-in motion / presence sensor	On request
Built-in daylight sensor	On request	LED lumen maintenance compensation (CLO)	Available, On request

RELIABILITY & LIFETIME

Constant Light Output (CLO)	Available, On request	Light source lifetime	100000@L90 B10h
Lumen maintenance @ 50 000 h	L95B5	Lumen maintenance @ 100 000 h	L90 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	CE marked
ENEC mark	No	ENEC+ mark	No
UKCA marking	UKCA marked	D4i certified (DALI)	No
EU RoHS compliant	Yes		

STANDARDS & SUSTAINABILITY

Applicable standard	EN-IEC 62722-2-2	ETIM Class	Not determined
Recyclable content ratio	Not determined	Non-virgin material ratio	Not determined
Sustainability rating	Not determined	EAN / UPC	Not determined
Application areas	Small and amateur sports fields, high-mast lighting, large industrial and logistics areas		

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.