

DKF293 18500LM 135W 740 I RS20D ICO

Symmetric · 4000K · IP66 · IK09 · RAL 7024



Length 442 mm

APPLICATION

DKF 293 Odin Gen2 M is a powerful and energy-efficient LED floodlight designed for large parking areas, industrial yards, logistics centres, building façades and advertising structures. Its slim die-cast aluminium housing provides high performance without a bulky appearance, while the adjustable mounting bracket allows precise positioning of the luminaire. A wide selection of symmetrical and asymmetrical optics enables the light distribution to be matched to each project. Asymmetrical versions provide efficient illumination of parking areas, façades and large advertising banners with reduced spill light. Symmetrical optics are suitable for general area lighting, security lighting and architectural applications. With a luminous flux of up to 18,500 lm and an efficacy of up to 150 lm/W, Odin Gen2 delivers powerful illumination with efficient energy use. 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 functional, architectural and landscape lighting projects.

18500 lm SYSTEM FLUX	135 W INPUT POWER	137 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	135W	Power factor (PF)	0.98
Driver efficiency at nominal load	91%	Total harmonic distortion (THDi)	8.00%
Protection class (electric shock)	I	Surge protection (CM / DM)	6/10 kV
Inrush current / time	53A/300µs	Driver type	Philips Xitanium
Number of luminaires on MCB 16A type B	<8		

PHOTOMETRIC PARAMETERS

Luminous flux — system	18500lm	Luminous flux — LED module	21765lm
Luminous efficacy — system	137lm/W	Correlated colour temperature (CCT)	4000K
Colour rendering index Ra (CRI)	≥70	Init. CRI tolerance	±4
Light distribution type	Symmetric	Luminaire beam spread	20° narrow
Optic type	Rotationally symmetrical	Light output ratio (LOR)	0.89
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	≤ 0.20 / ≤ 0.07
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)	442x347x64mm
Weight (net)	6.3kg	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	Large parking areas, industrial sites, logistics areas, building surroundings		

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.