DKF293 · FLOODLIGHTING

DKF293 18500LM 135W 740 I RS33 IC0

Symmetric · 4000K · IP66 · IK09 · RAL 7024



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	135 W	137 lm/W	4000K	≥70	IP66	IK09	100 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

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	**33° medium**
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**
D-Mark (EN 60598-2-24)	**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.