DKF295 · FLOODLIGHTING

DKF295 31000LM 205W 740 I RS20D IC0

Symmetric · 4000K · IP66 · IK09 · RAL 7024



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

31000 lm	205 W	151 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	**205W**	Power factor (PF)	**0.98**
Driver efficiency at nominal load	**93%**	Total harmonic distortion (THDi)	**10.00%**
Protection class (electric shock)	**I**	Surge protection (CM / DM)	**6/10 kV**
Inrush current / time	**40A 652µsec**	Driver type	**TCI**
Number of luminaires on MCB 16A type B	**<4**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**31000lm**	Luminous flux — LED module	**36471lm**
Luminous efficacy — system	**151lm/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	**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**
D-Mark (EN 60598-2-24)	**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.