DKF291 · FLOODLIGHTING

DKF291 2700LM 18W 740 I RS48 IC0

Symmetric · 4000K · IP66 · IK09 · RAL 7024



APPLICATION

DKF291 ODIN GEN2 XS with a slim die-cast aluminium housing is a compact LED floodlight for small parking areas, building façades, architectural features, advertising banners and general outdoor lighting. A choice of symmetrical and asymmetrical optics, together with an adjustable mounting bracket, enables precise light distribution and helps minimise wasted light. With a luminous flux of up to 5,500 lm and an efficacy of up to 150 lm/W, it provides effective illumination with low energy consumption. Different colour temperatures are available to suit both functional and architectural lighting. The IP66 and IK08 protection, tempered glass and a reliable Philips Xitanium outdoor driver ensure dependable operation in demanding outdoor conditions.

2700 lm	18 W	150 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	**18W**	Power factor (PF)	**0.98**
Driver efficiency at nominal load	**91%**	Total harmonic distortion (THDi)	**6.50%**
Protection class (electric shock)	**I**	Surge protection (CM / DM)	**6/10 kV**
Inrush current / time	**18.7A/195µs**	Driver type	**Philips Xitanium**
Number of luminaires on MCB 16A type B	**<32**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**2700lm**	Luminous flux — LED module	**3176lm**
Luminous efficacy — system	**150lm/W**	Correlated colour temperature (CCT)	**4000K**
Colour rendering index Ra (CRI)	**≥70**	Init. CRI tolerance	**±4**
Light distribution type	**Symmetric**	Luminaire beam spread	**48° wide**
Optic type	**Rotationally symmetrical**	Light output ratio (LOR)	**0.89**
Photobiological safety class	**RG1**	Flicker — Output PstLM / SVM	**≤ 0.26 / ≤ 0.09**
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)	**335x250x59,7 mm**
Weight (net)	**3.4kg**	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	**Architectural lighting, facades, advertising banners, small parking 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.