DKF292 10800LM 80W 740 I ASWD IC0

Asymmetric · 4000K · IP66 · IK09 · RAL 7024



APPLICATION

DKF 292 Odin Gen2 S is a compact and energy-efficient LED floodlight designed for medium-sized parking areas, industrial yards, building façades, architectural features and advertising banners. Its slim die-cast aluminium housing integrates discreetly into the surroundings, while the adjustable mounting bracket allows the light to be aimed precisely where required. A wide selection of symmetrical and asymmetrical optics enables effective illumination for different applications. Asymmetrical versions are ideal for parking areas, façades and banners, directing the light onto the target surface and reducing unnecessary spill light. Symmetrical optics are suitable for general area lighting and architectural accent lighting. With a luminous flux of up to 11,000 lm and an efficacy of up to 150 lm/W, Odin Gen2 combines powerful illumination with low energy consumption. The IP66 and IK08 construction, tempered glass cover and reliable Philips Xitanium outdoor driver ensure dependable operation in demanding outdoor environments. Different colour temperatures are available for both functional and architectural lighting projects.

10800 lm	80 W	135 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	**80W**	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	**45A/270µs**	Driver type	**Philips Xitanium**
Number of luminaires on MCB 16A type B	**<10**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**10800lm**	Luminous flux — LED module	**12706lm**
Luminous efficacy — system	**135lm/W**	Correlated colour temperature (CCT)	**4000K**
Colour rendering index Ra (CRI)	**≥70**	Init. CRI tolerance	**±4**
Light distribution type	**Asymmetric**	Luminaire beam spread	**Medium wide**
Optic type	**Asymmetrical area**	Light output ratio (LOR)	**0.85**
Photobiological safety class	**RG1**	Flicker — Output PstLM / SVM	**≤ 0.26 / ≤ 0.25**
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)	**383x281x60mm**
Weight (net)	**4.4kg**	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	**Parking areas, building surroundings, facades, commercial and industrial 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.