

Length **383 mm**

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 SYSTEM FLUX	80 W INPUT POWER	135 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	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
Recyclable content ratio	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.