

DKF291 2500LM 18W 740 I AST4 IC0

Asymmetric · 4000K · IP66 · IK09 · RAL 7024

Length **335 mm****APPLICATION**

DKF 291 Odin Gen2 XS is a compact and energy-efficient LED floodlight designed for lighting small parking areas, building façades, architectural features and advertising banners. Its slim die-cast aluminium housing blends discreetly into the surrounding architecture, while the adjustable mounting bracket allows precise aiming of the light. A choice of symmetrical and asymmetrical optics makes it possible to select the appropriate light distribution for each application. The asymmetrical versions provide efficient illumination of parking areas, façades and banners with less wasted light, while the symmetrical optics are suitable for general area and accent lighting. With a luminous flux of up to 5,500 lm and an efficacy of up to 150 lm/W, Odin Gen2 provides effective 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 conditions. Different colour temperatures are available to suit both functional lighting and architectural projects.

2500 lm SYSTEM FLUX	18 W INPUT POWER	139 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	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	2500lm	Luminous flux — LED module	2941lm
Luminous efficacy — system	139lm/W	Correlated colour temperature (CCT)	4000K
Colour rendering index Ra (CRI)	≥70	Init. CRI tolerance	±4
Light distribution type	Asymmetric	Luminaire beam spread	Wide beam
Optic type	Asymmetrical area	Light output ratio (LOR)	0.85
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	≤ 0.26 / ≤ 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)	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
Recyclable content ratio	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.