DKF294 · FLOODLIGHTING

# DKF294 22000LM 150W 740 I RS48 IC0

Symmetric · 4000K · IP66 · IK09 · RAL 7024



## APPLICATION

DKF 294 Odin Gen2 L is a powerful and energy-efficient LED floodlight designed for large parking areas, industrial and logistics sites, outdoor sports facilities, building façades and advertising structures. Its slim die-cast aluminium housing combines high light output with a discreet appearance, while the adjustable mounting bracket allows precise aiming from walls, poles and supporting structures. A wide selection of symmetrical and asymmetrical optics enables accurate light distribution for different applications. The available optics make the floodlight suitable for sports grounds, recreational courts and training areas, as well as parking spaces, industrial yards, façades and large advertising banners. Effective optical control helps deliver the required illumination while limiting unnecessary spill light. With a luminous flux of up to 25,000 lm and an efficacy of up to 150 lm/W, Odin Gen2 provides powerful illumination with efficient energy use. 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 functional, sports and architectural lighting projects.

| 22000 lm | 150 W | 147 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 | **150W** | Power factor (PF) | **0.98** |
| Driver efficiency at nominal load | **91%** | Total harmonic distortion (THDi) | **8.00%** |
| Protection class (electric shock) | **I** | Surge protection (CM / DM) | **6/10 kV** |
| Inrush current / time | **53A/300µs** | Driver type | **Philips Xitanium** |
| Number of luminaires on MCB 16A type B | **<8** | | |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | **22000lm** | Luminous flux — LED module | **25882lm** |
| Luminous efficacy — system | **147lm/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 | **≤ 0.20 / ≤ 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) | **532x347x68mm** |
| Weight (net) | **8.5kg** | 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 | **Sports grounds, parking areas, industrial sites, large outdoor 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.