DeinFlutlicht

DATASHEET · SERIES 07

07v5 ECO: IP65 LED high-bay luminaire

Halls with robust requirements: riding halls, multi-purpose, tennis and padel halls, storage and multi-purpose halls.



150–300 W POWER	**24,142–48,730 lm** EFFECTIVE LUMINOUS FLUX
3000 / 4000 / 5000 K COLOUR TEMPERATURE	**IP65 / IK08** INGRESS PROTECTION

Description

The 07v5 ECO is a round LED high-bay luminaire with 150 to 300 W and up to 48,730 lm effective luminous flux. With protection rating IP65 and a dust-repellent coating, it suits halls with dust and moisture, such as riding halls. It is ball-impact resistant, dimmable via 0–10 V and prepared for a plug-in sensor.

Application

- Ice rink lighting
- Indoor hockey lighting
- Multi-purpose hall
- Riding hall lighting
- Indoor tennis and padel hall

Features

- Die-cast aluminium housing with highly thermally conductive, dust-repellent coating
- Optics 60°, 90° or 110°, clear cover
- Dimmable via 0–10 V, control via motion, presence or light sensors possible
- Sensor-ready: 3.5 mm jack connection for plug-in sensor
- Operating range –20 °C to +60 °C, supply voltage 90 to 305 V, surge protection
- Screwed circuit boards without vulnerable solder joints (shake-proof)
- Ball-impact resistant
- Protection rating IP65, impact resistance IK08, D and HACCP certificates
- Rated LED lifetime over 100,000 hours (L80B10)
- Warranty of at least 7 years, depending on the project

Technical data according to the TRiALED manufacturer's datasheet. As of 7 November 2026. Subject to change.

Technical data

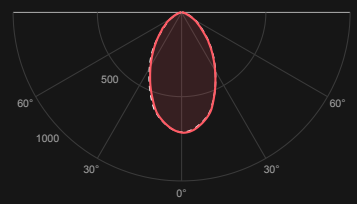
Design	Round high-bay luminaire, ø 405 mm
Power	150–300 W
Luminous flux (effective)	24,142–48,730 lm
Colour temperature	3000 K, 4000 K, 5000 K
Optics	60° / 90° / 110°
Colour rendering	CRI ≥ 83
Weight	8.7–9.5 kg
Dimensions	ø 405 × 250 mm
Ingress protection	IP65 / IK08

Variants

Power	Weight	Luminous flux 60°	Luminous flux 90°	Luminous flux 110°
150 W	8.7 kg	24,450 lm	24,750 lm	24,142 lm
175 W	8.7 kg	28,350 lm	28,875 lm	28,175 lm
200 W	8.7 kg	32,400 lm	32,980 lm	32,200 lm
240 W	8.7 kg	38,216 lm	39,660 lm	38,613 lm
300 W	9.5 kg	46,940 lm	48,730 lm	47,840 lm

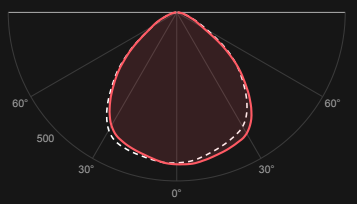
Light distribution

300 W, 60° optics



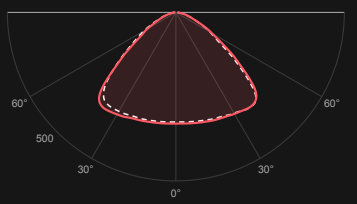
Peak 714 cd/klm · half-value width 62° / 64°

300 W, 90° optics



Peak 452 cd/klm · half-value width 95° / 96°

300 W, 110° optics



Peak 358 cd/klm · half-value width 106° / 105°

—— C0/C180 ---- C90/C270 · values in cd/klm, evaluated from the LDT file

Lighting calculation for your facility. Using the light distribution data of this luminaire, we calculate illuminance, uniformity and glare for your facility to DIN EN 12193. Send an enquiry at www.deinflutlicht.de/en/