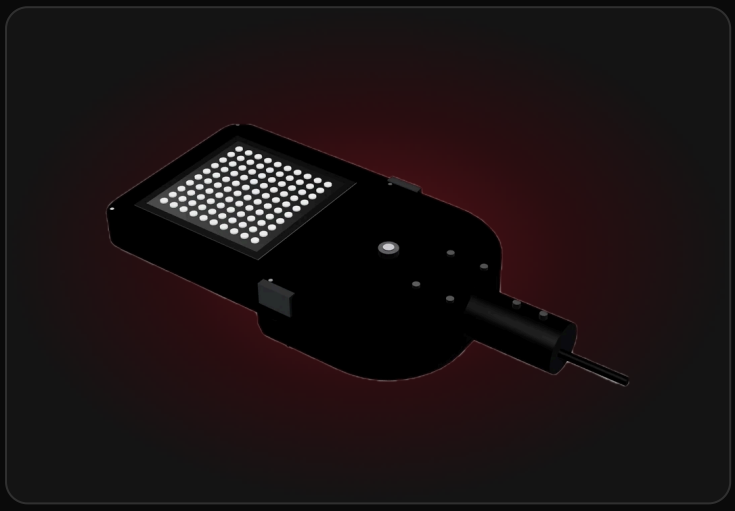
Series 16: LED mast luminaire for padel and outdoor areas

Padel and smaller areas on low masts, as well as paths, access roads and car parks.



60–141 W POWER	**9,950–23,180 lm** EFFECTIVE LUMINOUS FLUX
3000 / 4000 / 5000 K COLOUR TEMPERATURE	**IP66 / IK08** INGRESS PROTECTION

Description

Series 16 is an LED mast luminaire with 60 to 141 W and up to 167 lm/W. With its wide optics, it suits padel courts on low masts and paths, access roads and car parks. The ballast is dimmable, so the luminaire fits into a lighting control system.

Application

Padel lighting

Car park lighting

Features

- Mounting on mast, mast bracket or tube bracket ø 48 to 60 mm, tilt angle continuously adjustable
- Wide optics 115° × 150° or 125° × 150°
- Cast aluminium housing, cover made of toughened ESG safety glass, UV-resistant
- Dimmable ballast, ideal for lighting control systems
- Integrated surge protection 10 kV
- Tool-free access to the gear tray, optics and control gear in separate housings
- Protection rating IP66, impact protection IK08, operating range −40 °C to +60 °C
- Rated LED lifetime over 80,000 hours (L85B10)
- 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	Mast luminaire, mast fitting ø 48–60 mm
Power	60–141 W
Luminous flux (effective)	9,950–23,180 lm
Colour temperature	3000 K, 4000 K, 5000 K
Optics	115° × 150° / 125° × 150°
Colour rendering	CRI ≥ 82
Weight	7–9.25 kg
Dimensions	560 × 260 × 95 or 670 × 320 × 95 mm
Ingress protection	IP66 / IK08

Variants

Power	Dimensions	Weight	Luminous flux
60 W	560 × 260 × 95 mm	7 kg	9,950 lm
80 W	560 × 260 × 95 mm	7 kg	13,200 lm
100 W	560 × 260 × 95 mm	7 kg	16,535 lm
119 W	670 × 320 × 95 mm	9.25 kg	19,820 lm
141 W	670 × 320 × 95 mm	9.25 kg	23,180 lm

Light distribution

—— 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/