LFADJ

LUMTA by LFADJ
Mobile Lighting & Power

MODEL LF351 · FIXED LED EXPLOSION-PROOF LIGHT

LF351 LED Explosion-Proof Light

A fixed-installation LED floodlight for hazardous areas: flameproof Ex db housing, four sizes from 30 W to 300 W, IP66 and at least 120 lm/W, for long-distance flood lighting.



30–300 W
4 sizes, ⩾ 120 lm/W

Ex db IIC
gas Zone 1 & 2, T1–T6

Ex tb IIIB
dust Zone 21 & 22

IP66
WF1 anti-corrosion

Explosion-proof certification: China Ex certificate only
LF351 holds a Chinese national Ex certificate to the GB/T 3836 standards. It is **not ATEX or IECEx certified**. Please confirm that a China Ex certificate is accepted in your country or project before ordering.

Sizes






Size	Type I	Type II	Type III	Type IV
Rated power	30–60 W	70–120 W	130–200 W	240–300 W
Size (Ø × H)	Ø 242.5 × 244 mm	Ø 268 × 245.5 mm	Ø 336 × 255.5 mm	Ø 379 × 255.5 mm
Weight	4.5 kg	5.8 kg	9.9 kg	12.1 kg
Temperature class	T6 · T80 °C	T6 · T80 °C	T6 · T80 °C	T5 · T95 °C

Technical Specifications

Standards	**GB/T 3836.1 · 3836.2 · 3836.31** Chinese standards based on IEC 60079-0 / -1 / -31
Ex marking ⩽ 200 W	**Ex db IIC T6 Gb** Ex tb IIIB T80 °C Db
Ex marking ⩽ 300 W	**Ex db IIC T5 Gb** Ex tb IIIB T95 °C Db
Rated voltage	**AC 220 V (standard)** AC/DC 36 V or AC/DC 24 V up to 100 W, state when ordering
Ingress protection	**IP66**
Anti-corrosion	**WF1** WF2 on request

Cable entry	**G3/4" or cable Ø 8–12 mm**
Beam angle	**105°** lens options 30° · 60° · 90° · 120°
Luminous efficacy	**⩾ 120 lm/W**
Mounting	**Bracket · ceiling · pendant**
Glass	**Ultra-clear tempered glass** 4 J impact resistant
Housing	**Aluminium alloy, anti-UV powder coat** 304 stainless steel fasteners

Hazardous Areas

Explosive gas
Zone 1 and Zone 2 · gas groups IIA, IIB, IIC · temperature classes T1–T6 (T6 up to 200 W, T5 above 200 W).

Combustible dust
Zone 21 and Zone 22 · dust group IIIB · max. surface temperature 80 °C (up to 200 W) or 95 °C (above 200 W).

Key Features

Flameproof design
Ex db flameproof housing. Wiring, driver and LED chambers are separate and each one dissipates its own heat.

LEDs & optics
LEDs with LM-80 test data, high efficacy and low light decay. Modular lenses from 30° to 120°.

Driver & options
Constant-current driver with short-circuit, over-current, over-voltage and over-temperature protection. Optional single-lamp controller and emergency pack.

Applications

Oil & gas extraction · Refineries · Chemical plants · Defence industry · Power plants · Metallurgy

Also suited to energy-saving retrofits, places where fittings are hard to replace, and humid or corrosive environments.

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