

LT-FLDAC-400W

400 W AC LED Flood Light, Philips Chip, 1 20° Beam, >160 lm/W, CRI ≥ 80, IP66 Aluminum Housing

The LT-FLDAC-400W is a high-efficiency AC-powered LED floodlight designed for large-area illumination in industrial, commercial, and outdoor environments. Built with a precision-engineered aluminum housing and equipped with Philips high-lumen LED chips, it delivers superior brightness exceeding 160 lm/W while maintaining excellent color rendering.

With an IP66-rated enclosure and corrosion-resistant finish, this floodlight is engineered for harsh weather conditions and long-term reliability. Its wide 120° beam angle ensures uniform coverage for building façades, parking areas, and sports facilities.



Key Features

- High-output 400 W floodlight
- >160 lm/W luminous efficiency
- Philips LED chips for stable, high-quality light output
- Wide 120° beam angle for uniform large-area illumination
- Aluminum body with corrosion-resistant powder coating
- IP66 waterproof rating suitable for outdoor installations
- High CRI (≥ 80) for accurate color reproduction
- Operates on AC 100–277 V input voltage
- Extended 50,000-hour lifespan with YS driver

Applications

- Building façades and architectural lighting
- Stadiums and arenas
- Parking lots, warehouses, and loading bays
- Industrial sites and logistics centers

Electrical Specifications

Input Voltage	AC 100 – 277 V
Power Consumption	400 W
Power Factor	≥ 0.95
Driver Type	YS
Frequency Range	50 / 60 Hz
Total Harmonic Distortion (THD)	≤ 10%
Surge Protection	6 kV (Line to Earth)

Optical Specifications

Light Source	Philips LED Chips
Luminous Efficiency	> 160 lm/W
Luminous Flux	≥ 64,000 lm
Beam Angle	120°
Color Temperature (CCT)	2700 – 6500 K
Color Rendering Index (CRI)	≥ 80
Light Degradation	< 5% @ 6,000 h

Mechanical Specifications

Housing Material	Aluminum
Housing Color	Gray
Dimensions (L × W × H)	585 × 300 × 95 mm
Net Weight	10 kg
Mounting Type	Adjustable Bracket
Finish	Powder Coated
Lens Type	Clear Tempered Glass

Environmental & Compliance

Operating Temperature	–40 °C to +60 °C
Ingress Protection (IP Rating)	IP66
IK Rating	IK08
Lifespan	50,000 hours
Warranty	5 Years
Certifications	CE, RoHS, ISO9001

