TL06 Tunnel Light Datasheet
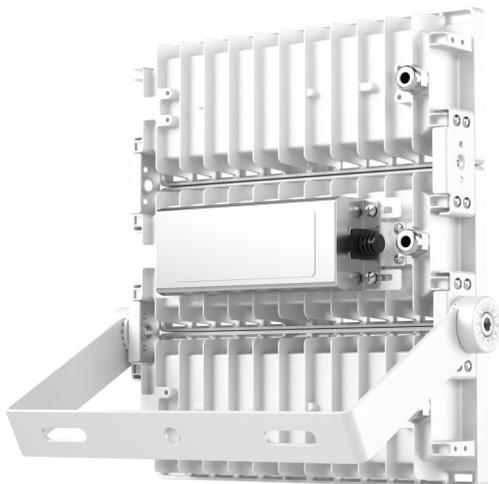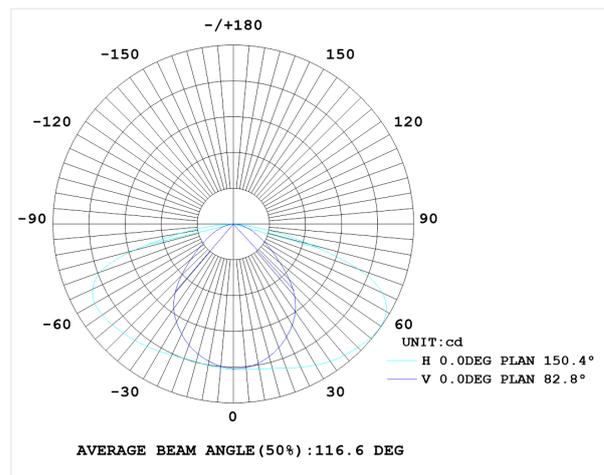
Key Features

⇒ **Efficacy:** Up to 150 lm/w

⇒ **LED Chip:** SMD3030

⇒ **SDCM:** <5

⇒ **Beam Angle:** 80°x150° PC lens

⇒ **IP Rated:** IP65

⇒ **Control :** 0-10V dimming (RS485｜PLC｜4G)

⇒ **Installation:** Bracket

⇒ **Certifications:** CE, RoHS

⇒ **Warranty:** 5 years

Application

Highway tunnels, railway tunnels, subway tunnels, pedestrian tunnels, underground passages and other scenes.

Photometry

-/+180

UNIT:cd
H 0.0DEG PLAN 150.4°
V 0.0DEG PLAN 82.8°

AVERAGE BEAM ANGLE(50%):116.6 DEG

KML
LED Professional Lighting Solutions Provider

Product Data

Model No.	TL06-50	TL06-100	TL06-150	TL06-200	TL06-240
Power	50W	100W	150W	200W	240W
Lumen Output	7,500 lm	15,000 lm	22,500 lm	30,000 lm	33,600 lm
Luminous Efficacy	150 lm/w				
CCT	3000K|4000K|4500K|5000K|5700K|6500K				
CRI	Ra≥70 (Ra≥80 optional)				
Input Voltage	100-277 VAC; 50Hz/60Hz				
Housing Color	Gray				
Material	Aluminum, PC, Glass				
Operating Temperature	-30°C to +50°C				
Operating Humidity	10% to 90% RH				
Lifespan	100,000 hours				
Warranty	5 Years				

ErP Technical Specification (25°C operating temperature)

Item	Specification/Data
Efficiency In	≥90%
Power Factor	PF≥0.90
Energy Efficiency Class	D
Standard Deviation of Color Matching	<5
Starting Time	<0.2S
Warm-up Time to 60%	<0.5S
Lumen Maintenance at e.o.l.	>70%
Lifetime	L70/B10@100,000hours

Note: 1. The above parameters are all obtained at +25°C and there are errors within the allowable range of relevant standards.
2. This specification book is for reference only. We retains the right to optimize and modify without pre -notification!
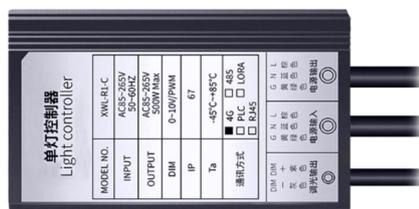
0-10V dimming optional signal mode

RS485 Power line communication

⇒ RS485 wired communication;

⇒ Support timing, longitude and latitude time control, holidays and dimming strategies;

⇒ Data collection, remote monitoring, fault alarm, and energy consumption analysis;

⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/ illuminance detection/leakage monitoring, etc.

⇒ Supports multiple protocols such as TCP/MQTT/API to connect to third-party systems.

PLC Power line communication

⇒ Power line communication; Supports scheduling, time-of-day control, holiday settings, and dimming strategies;

⇒ Data collection, remote monitoring, fault alarm, and energy consumption analysis;

⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/ illuminance detection/leakage monitoring, etc.

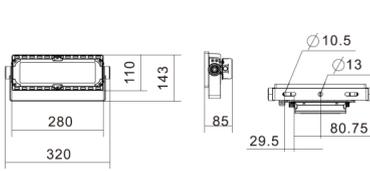⇒ Supports various protocols (TCP, MQTT, API, etc.) for integration with third-party systems.
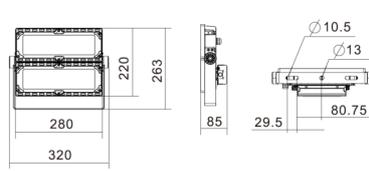
4G (single light controller)

⇒ 4G CAT.1 communication, built-in chip card, full network access;

⇒ Support timing, longitude and latitude time control, holidays and dimming strategies;

⇒ Data collection, remote monitoring, fault alarm, and energy consumption analysis;

⇒ It can expand functions such as lamp pole tilt detection/lamp movement with vehicle/ illuminance detection/leakage monitoring, etc.

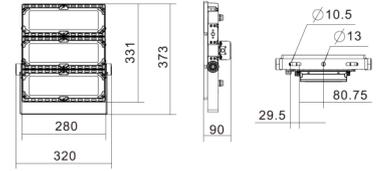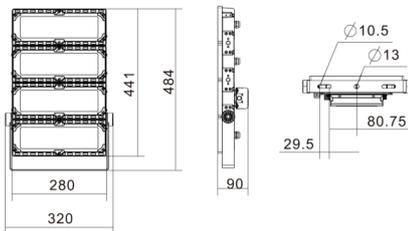⇒ Supports multiple protocols such as TCP/MQTT/API to connect to third-party systems.

Dimension (unit: mm)

TL06-50

TL06-100

TL06-150

TL06-200 | TL06-240