



TOP HI-TECH CO., LTD.

# Model - L2303

## Waterproof LED Light



## Specification Sheet

Design 2023 / 11



+886-2-2267-1234

sales@tht-ex.com

www.tht-ex.com

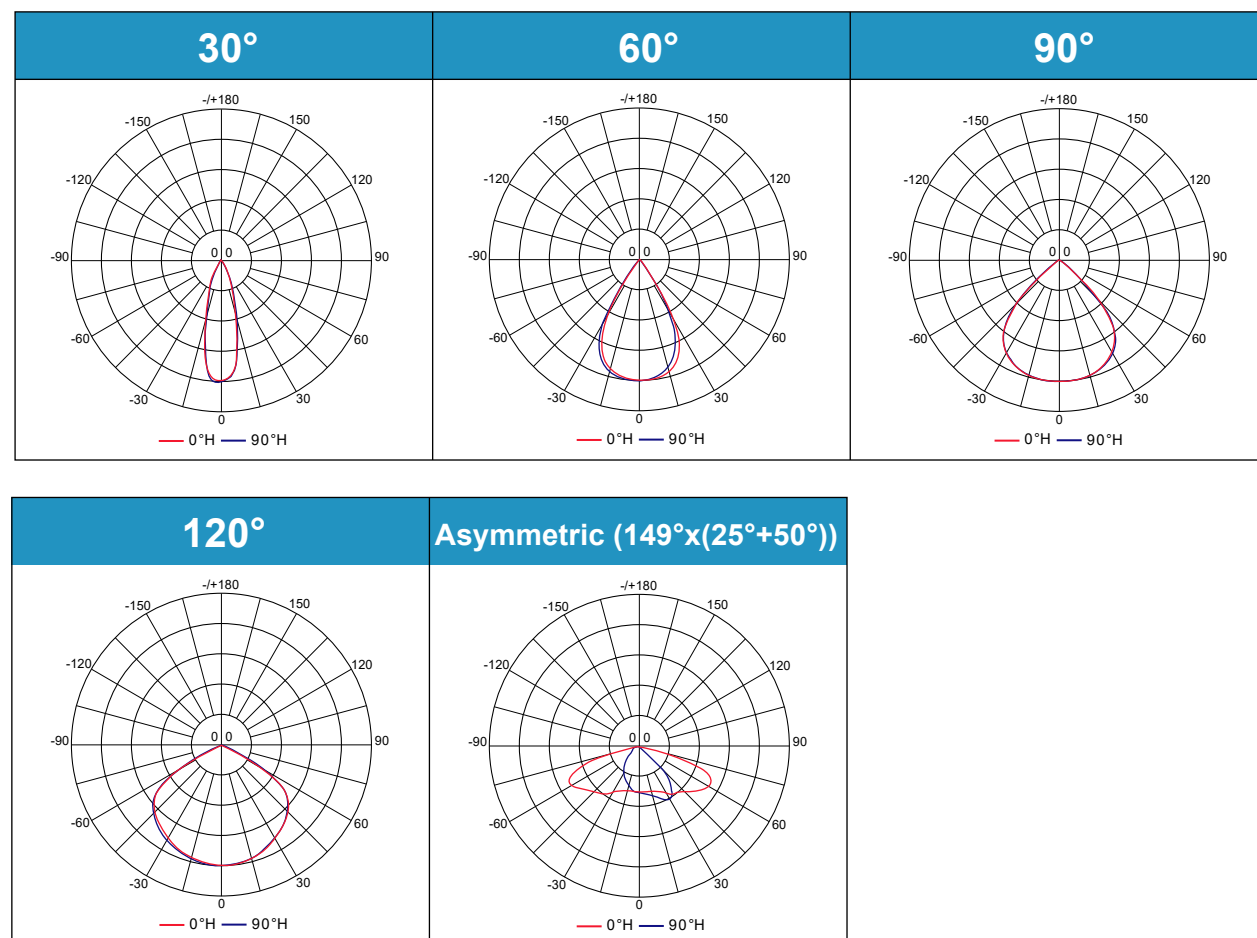
# Product Features

- Unique design lighting fixture with private mold, Made in TAIWAN.
- Patented independent driver design, allows a single light source module or power module failure, will not affect the other modules, to prevent area without lighting and cause danger.
- Aluminum alloy housing with corrosion resistant hardware, super durable powder coating finish withstand extreme climate changes without cracking or pearling. Product passed 1200 hrs. salt mist test.
- Advanced lamp mechanism for easy adjust lighting direction and replaceable optic lens.
- Up to 7 beam angles of IK10 Anti-UV optical lens and 3 type of mounting bracket available for various lighting application.
- Lighting fixture available in 100~277Vac, 50/60Hz, IP68 water and dust resistance.
- Optional 0~10V or PWM Dimming.
- Wind tunnel safety testing approved- up to 60m/s (216 km/h; 135 mph) wind resistance.
- Certification for Lighting Fixture: CE/FCC.
- Certification for LED Driver: CE/CB/PSE/FCC/UL.
- EU energy efficiency class A+.
- L70 greater than 54,000 hrs. @50°C.

# Specifications

Color Temp.	Warm White (3000K) / Cool White (5000K)
Wattage ( $\pm 10\%$ )	300W, 330W, 360W, 390W, 420W, 450W 480W, 510W, 540W, 570W, 600W
Lum. / Wat. ( $\pm 10\%$ )	Warm White: 156~143 lm/w Cool White: 162~150 lm/w
Input Voltage	100-277Vac
Net Weight	10.5kgs (23.1lbs)
CRI	$\geq 70\text{Ra}$
Lens	30°, 60°, 90°, 120°, Asymmetric (149°x(25°+50°))
Dimming Options	0-10V dimming
SPD	Optional 12kV / 6kV surge protection
IP Rating	IP67
Operating Temp.	-20°C ~ +55°C
Lifespan	L70 greater than 54,000 hrs. @50°C
Warranty	3-year warranty

## Light Pattern



## 3 Module

# Ordering Information

THT

W

2303

A

K

C

H

U003

WHT1

①

②

③

④

## ① Designates type of Lens type

A=Elementary, B=Advanced

## ② C.C.T.

C=Cool White

W=Warm White

G=Green Light

## ③ Wattage

J003=300W, K003=330W

L003=360W, M003=390W

N003=420W, P003=450W

Q003=480W, R003=510W

S003=540W, T003=570W

U003=600W

## ④ Mounting Bracket Type

WHT1=Flood Light Mount

WHT2=Bay Light Mount

# Dimming Signal (Option):

- Dimming signal could be PWM or Vdc signal.
- 1~10V dimming function for output current adjustment (Typical)

## 1~10V dimming function for output current adjustment (Typical)

Dimming value	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

## 10V PWM signal for output current adjustment (Typical): Frequency range : 100Hz~3KHz

Dimming value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

## Dimming cable pin assignment

Color	Function
White	DIM-
Blue	DIM+

# Application

- Stadium Lighting
- Sports Field Lighting
- High Mast Lighting
- Billboard Lighting
- Area Lighting
- Parking Lot Lighting