



TOP HI-TECH CO., LTD.

Model - L2303

Waterproof LED Light



Made In
Taiwan

Specification Sheet

Design 2023 / 11



+886-2-2267-1234

sales@tht-ex.com

www.tht-ex.com

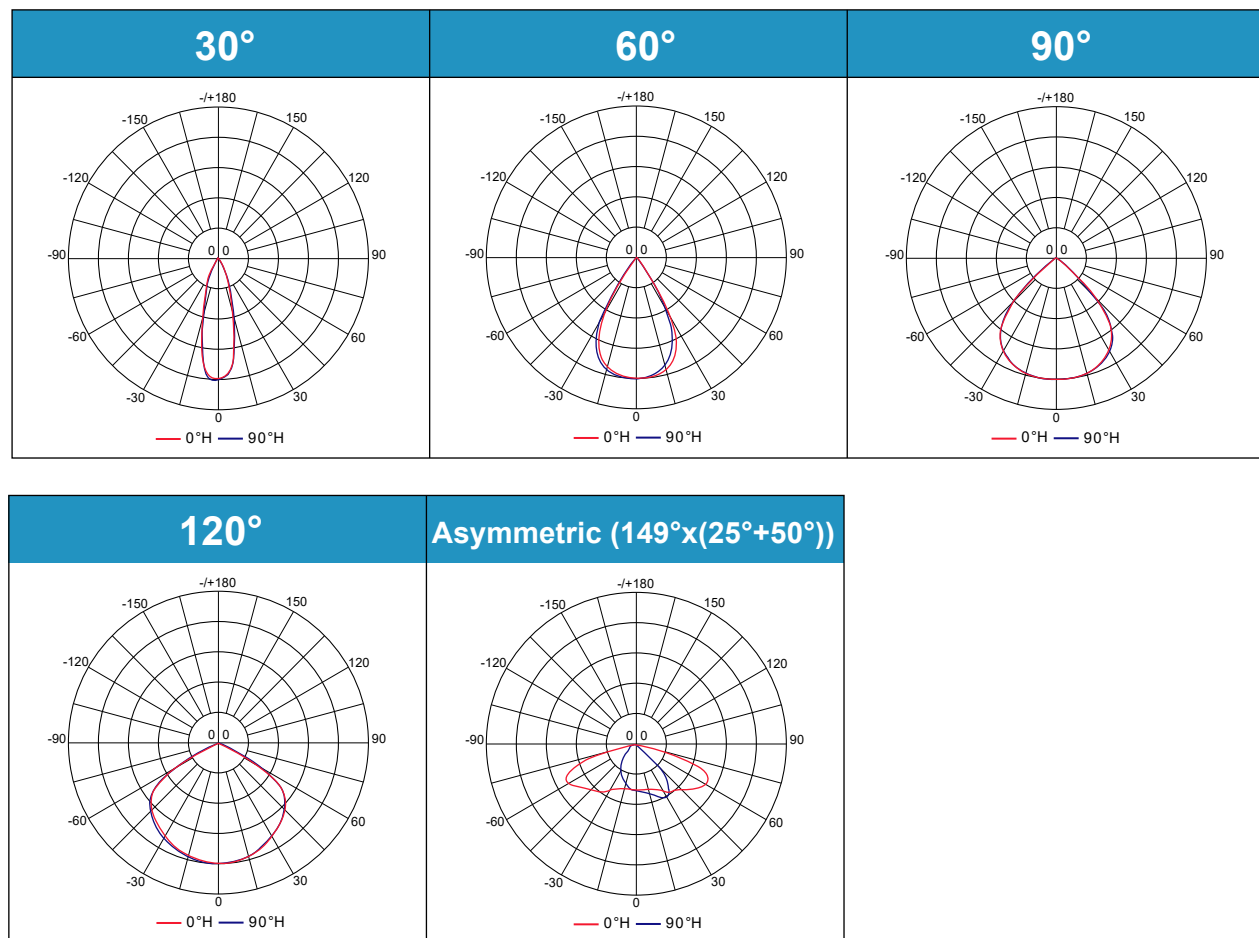
Product Features

- 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 ($\pm 10\%$)	200W, 220W, 240W, 260W, 280W, 300W 320W, 340W, 360W, 380W, 400W
Lum. / Wat. ($\pm 10\%$)	Warm White: 156~143 lm/w Cool White: 162~150 lm/w
Input Voltage	100-277Vac
Net Weight	7.4kgs (16.3lbs)
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

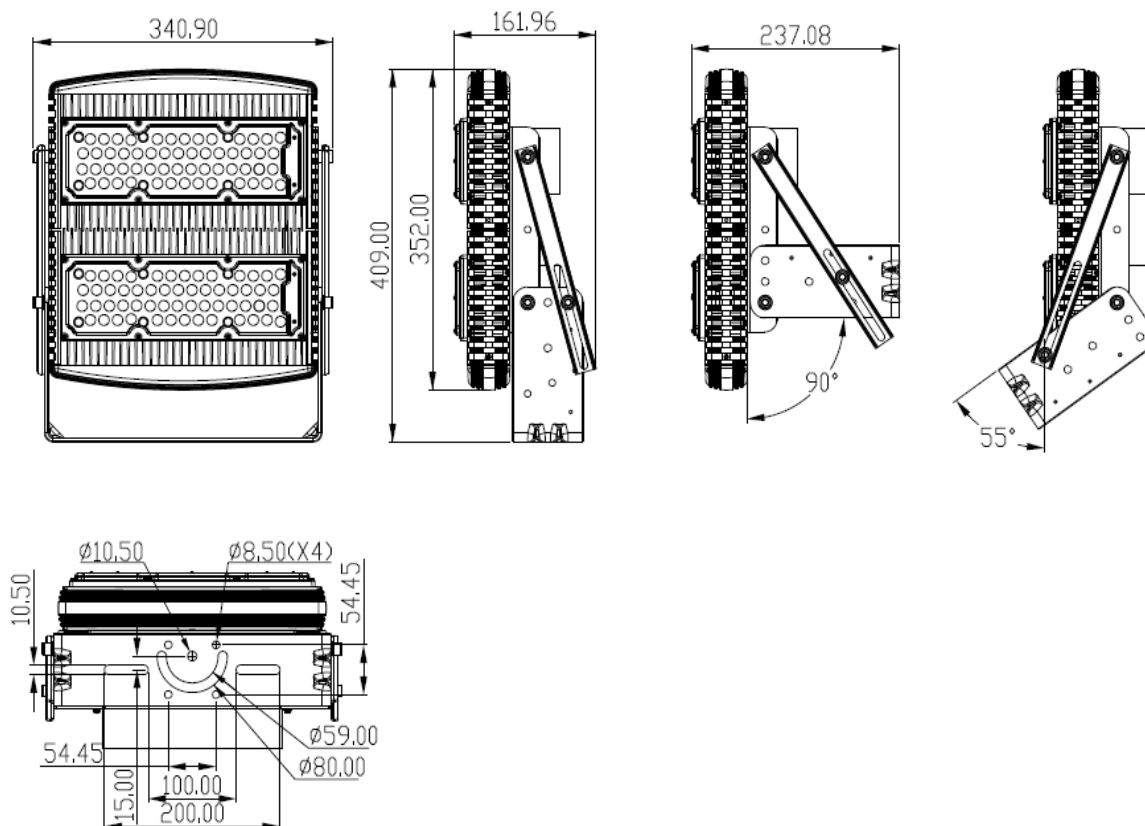


Dimension Drawing (All in mm)

2 Module

Flood Light Mount

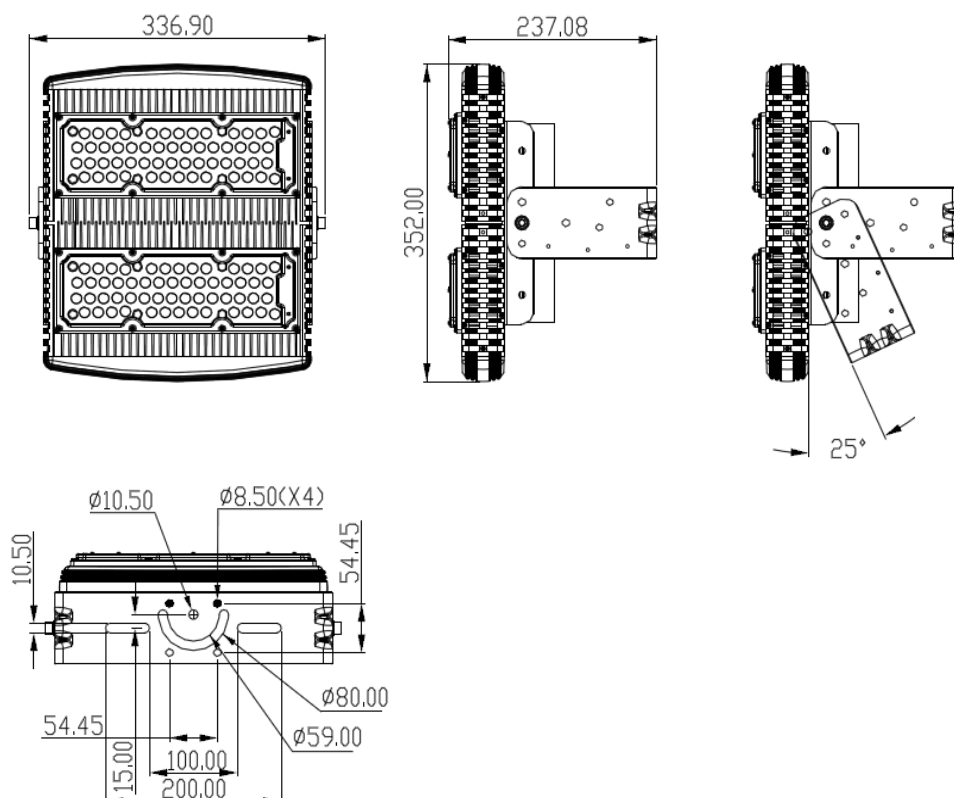
Product Dimension 409mm(L) X 341mm(W) X 162mm(D)
Product Weight 7.4kg



2 Module

Bay Light Mount

Product Dimension 352mm(L) X 337mm(W) X 237mm(D)
Product Weight 7.2kg



Ordering Information

THT

W

2303

A

K

C

H

U002

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

J002=200W, K002=220W

L002=240W, M002=260W

N002=280W, P002=300W

Q002=320W, R002=340W

S002=360W, T002=380W

U002=400W

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