



TOP HI-TECH CO., LTD.

Waterproof LED Flood Light



120W
150W



Specification Sheet

Design 2020 / 06



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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 120 hrs. salt mist test.
- Advanced lamp mechanism for easy adjust lighting direction and replaceable optic lens.
- Up to 10 beam angles of IK10 Anti-UV optical lens and 4 type of mounting bracket available for various lighting application.
- LED driver available on 100~277Vac, 50/60Hz, IP67 water and dust resistance.
- 0~10V or PWM Dimming option on 100~277Vac.
- 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.
- L70 greater than 54,000 hrs. @50°C.

Specifications

120W

Model No.	THTL3LA012030H0XXX0	THTL3LA012050H0XXX0
Color Temp.	3000K	5000K
Wattage (±10%)	120W	120W
Luminous Flux (±10%)	18,760 lm	18,720 lm (12° Lens 15,400 lm)
Lum. / Wat. (±10%)	160 lm	156 lm (12° Lens 135 lm)
Input Voltage	100V-277V	100V-277V
Net Weight	2.9 kgs / 6.4 lbs	2.9 kgs / 6.4 lbs
CRI	≥70Ra	≥70Ra
Lens	12°***, 30°, 60°, 90°, 120°	
Dimming Options	0-10V dimming	
SPD	Optional 12kV / 6kV surge protection	
IP Rating	IP67	
Operating Temp.	-30°C ~ +50°C	
Lifespan	L70 greater than 54,000 hrs. @50°C	
Warranty	3-year warranty	

***12° Lens only 5000K

150W

Model No.	THTL3LA015030H0XXX0	THTL3LA015050H0XXX0
Color Temp.	3000K	5000K
Wattage (±10%)	150W	150W
Luminous Flux (±10%)	21,470 lm	22,200 lm (12° Lens 20,000 lm)
Lum. / Wat. (±10%)	143 lm	148 lm (12° Lens 130 lm)
Input Voltage	100V-277V	100V-277V
Net Weight	2.9 kgs / 6.4 lbs	2.9 kgs / 6.4 lbs
CRI	≥70Ra	≥70Ra
Lens	12°***, 30°, 60°, 90°, 120°	
Dimming Options	0-10V dimming	
SPD	Optional 12kV / 6kV surge protection	
IP Rating	IP67	
Operating Temp.	-30°C ~ +50°C	
Lifespan	L70 greater than 54,000 hrs. @50°C	
Warranty	3-year warranty	

***12° Lens only 5000K

Ordering Information

THTL

3L

A

0150

50

H

0120

0

Brand, THT=TOP HI-TECH CO., LTD.

Product Series

Category of product, A=Flood Light

Wattage, 0120=120W, 0150=150W

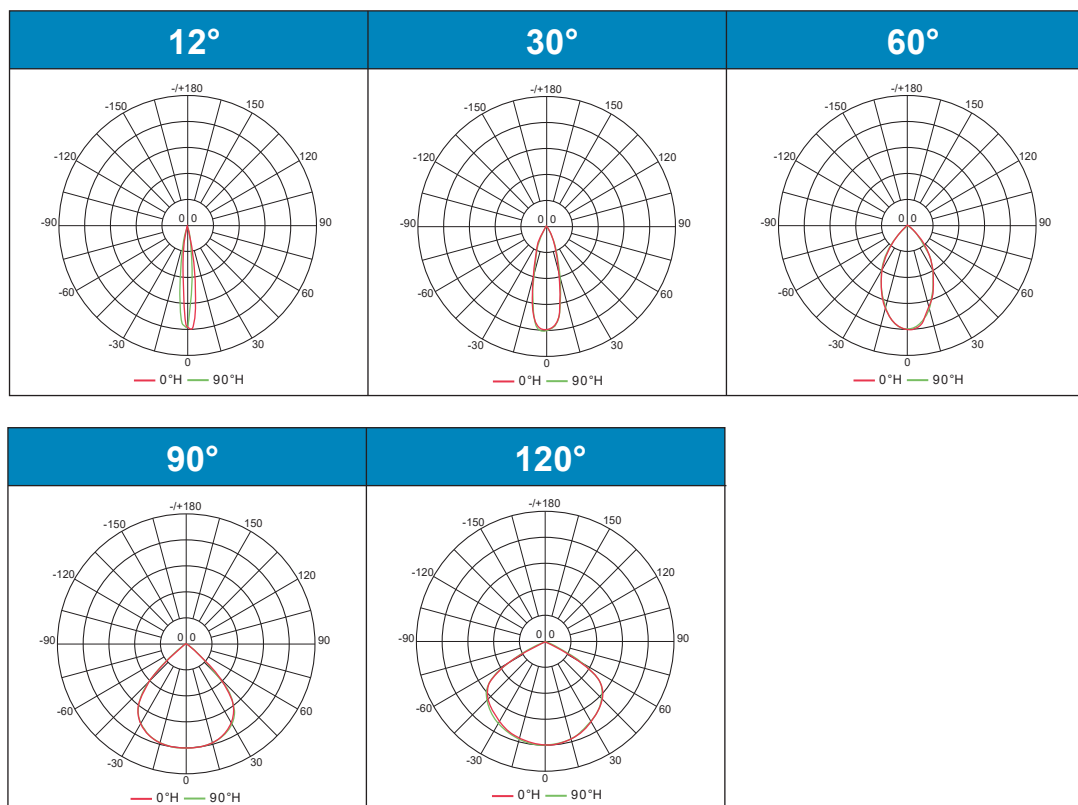
C.C.T., 30=3000K, 50=5000K

Voltage, H=100V~277V

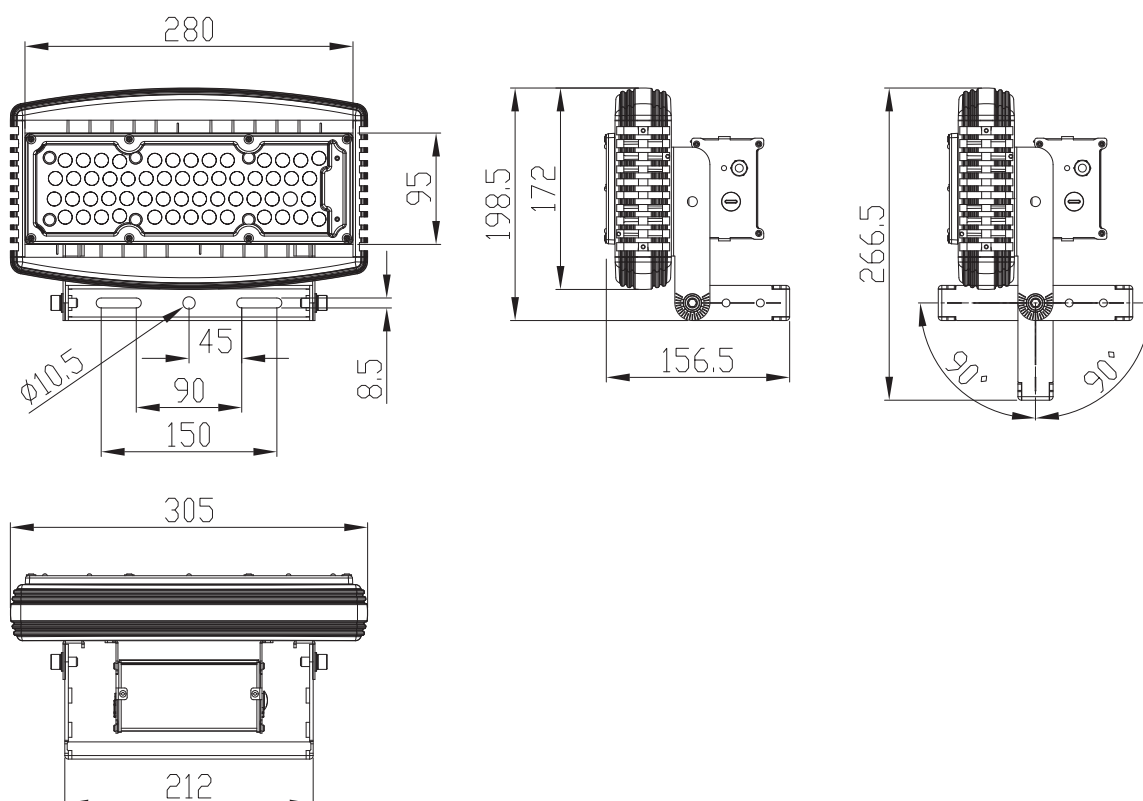
Lens, 0012=12°, 0030=30°,
0060=60°, 0090=90°, 0120=120°

Bracket Type,
0=Flood Light Mount

Light Pattern



Dimension Drawing (All in mm)



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
- High Mast Lighting
- Billboard Lighting
- Parking Lot Lighting
- Sports Field Lighting
- Building Facade
- Area Lighting