

# LED Floodlight



## KEY ADVANTAGES

- Weather-resistant for reliable outdoor performance
- Default single CCT (3000K / 4000K / 5700K/6500K optional)
- Adjustable bracket for flexible aiming and easy setup
- Integrated breather valve to reduce condensation
- Durable tempered glass for impact resistance
- Slim housing with efficient heat dissipation
- Supports ground, wall, ceiling, and pole mounting

## TYPES OF APPLICATION

- INDUSTRIAL HALL&WAREHOUSE
- LARGE AREAS
- BRIDGES
- ROAD&MOTORWAYS
- TUNNEL&UNDERPASSES



BRIDGES

TUNNELS&amp; UNDERPASSES

CAR PARKS

LARGE AREAS



SPORT FACILITIES

INDUSTRIAL HALLS&amp; WAREHOUSES

ROADS&amp; MOTORWAYS



**3** YEARS  
WARRANTY

# FLO3-SERIES

## CHARACTERISTICS

### GENERAL INFORMATION

Driver included	Yes
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Testing standard	LM-79-19 (all measurements in ISO17025 accredited laboratory)

### ELECTRICAL INFORMATION

Electrical class	Class I EU&USA
Nominal voltage	85-265V   50/60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	6kV-Line-Line 6kV-Line-Earth
Electromagnetic compatibility (EMC)	EN 55015:2019/A11:2020, EN 61000-3-2:2019, EN 61000-3-3:2013, EN 61547:2009, EN 62493:2015
Total Harmonic Distortion(THD)	IEC 61000-3-2 Class C <20%
Driver Type	Constant current(CC)
Flicker	No
For fixed Class 1 luminaires, overvoltage protective devices which comply with IEC 61643-11 shall be disconnected from the circuit.	
withstand voltage	1.5kV 60S 10mA

※ Lamp switch must control L line or control L and N lines.

### HOUSING AND FINISH

Housing	Aluminium
Optic	Polycarbonate
Protector	Glass
Glass	Tempered glass
Respirator	Yes
Housing finish	Electrostatic polyester powder coating
Standard colour(s)	Gray
Tightness level	IP 65
Impact resistance	IK 07

### OPTICAL INFORMATION

LED Type	SMD2835
Beam Angle	30° 60° 90° 120°
Recommended installation height	4m to 15m
Color Tolerance	Ra70 ≤7 Ra80 ≤5
LED colour temperature	3000-6500K
Colour rendering index (CRI)	CRI>70 standard CRI>80 optional
Upward Light Output Ratio (ULOR)	0%

※ Ra measurement tolerance is ±2.

### OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C to + 45°C
Operating Humidity	10-90%RH
Mounting Option	Bracket Mounting
Warranty	3 years

### LIFETIME OF THE LEDS @ TA 25°C

All configurations	
L70	>100,000h
L80	>50,000h
L90	>30,000h
Switching Cycles	>100,000 times

### PERFORMANCE

Power	50W/70W/100W/150W/200W/300W
Efficacy	120lm/W
Power Efficiency	≥90%
Start Time	≤0.5S

## STANDARD VERSION

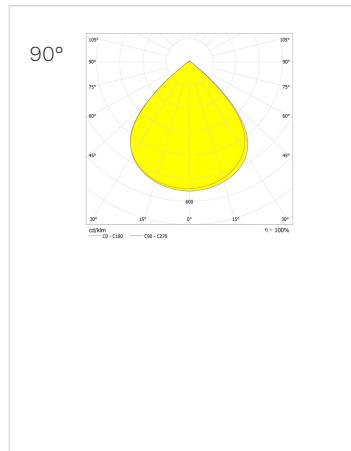
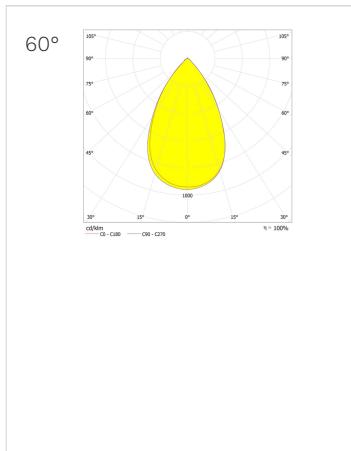
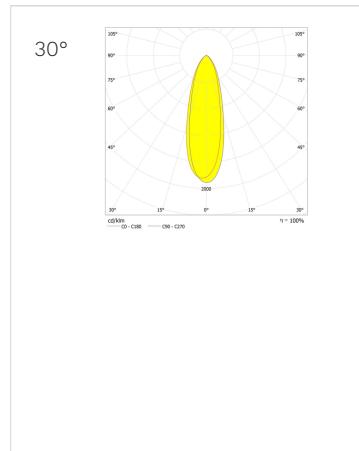
POWER	LUMENS	EFFICACY
50W	6000LM	120LM/W(Ra70)
70W	8400LM	120LM/W(Ra70)
100W	12,000LM	120LM/W(Ra70)
150W	18000LM	120LM/W(Ra70)
200W	24,000LM	120LM/W(Ra70)
300W	36,000LM	120LM/W(Ra70)

※ The Performance Data is tested base on 230VAC, 90° and 4000K for all versions  
 ※ Power Consumption Tolerance ±5% (Apply to all versions)  
 ※ Lumen Efficiency Tolerance ±5% (Apply to all versions)

## OUTER BOX PACKAGING

POWER	PACKAGE SIZE	QTY/CTN	SINGLE PIECE VOLUME	NET WEIGHT	GROSS WEIGHT	20GP	40HQ
50W	L595*W410*H235mm	20PCS/CTN	0.0573m <sup>3</sup>	1190g	/	10660pcs	24800pcs
70W	L485*W300*H310mm	10PCS/CTN	0.0451m <sup>3</sup>	1855g	/	5170pcs	11960pcs
100W	L530*W335*H345mm	10PCS/CTN	0.0613m <sup>3</sup>	2385g	/	5080pcs	10500pcs
150W	L340*W330*H395mm	5PCS/CTN	0.0443m <sup>3</sup>	3465g	/	3490pcs	8205pcs
200W	L390*W335*H450mm	5PCS/CTN	0.0595m <sup>3</sup>	4570g	/	2650pcs	5855pcs
300W	L500*W445*H10mm	1PCS/CTN	0.0223m <sup>3</sup>	6315g	/	1393pcs	3205pcs

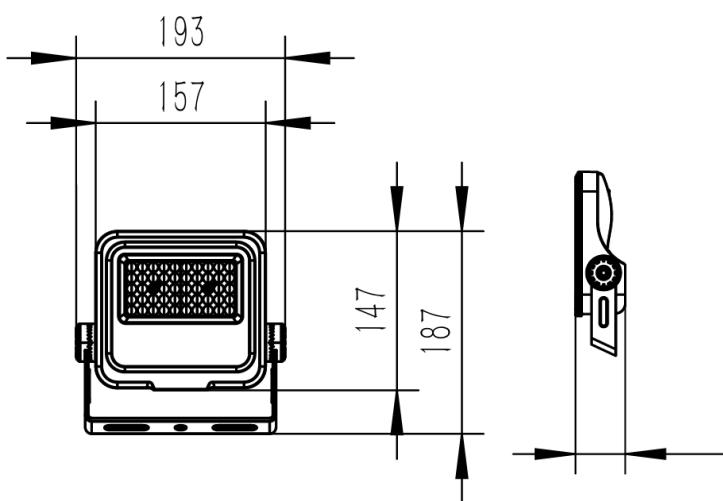
## LIGHT DISTRIBUTIONS



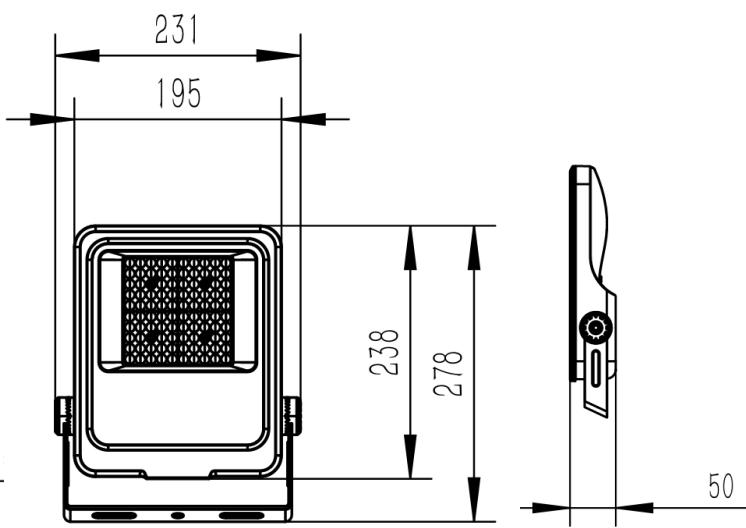
## LIGHT DISTRIBUTIONS

Connecting the cable requires an IP65 Tightness level

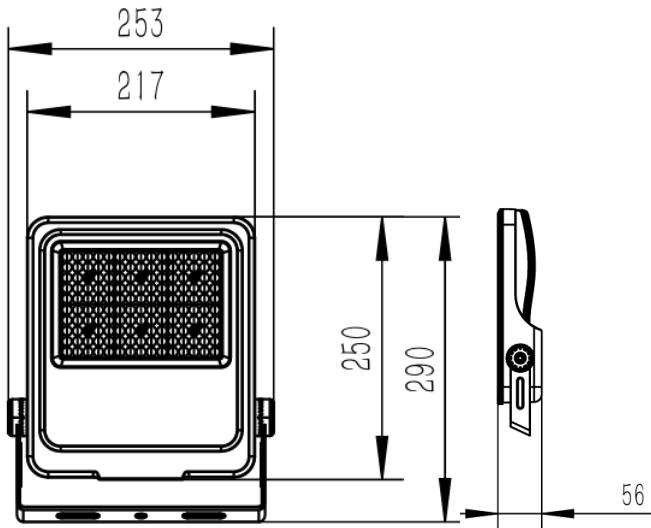
50W



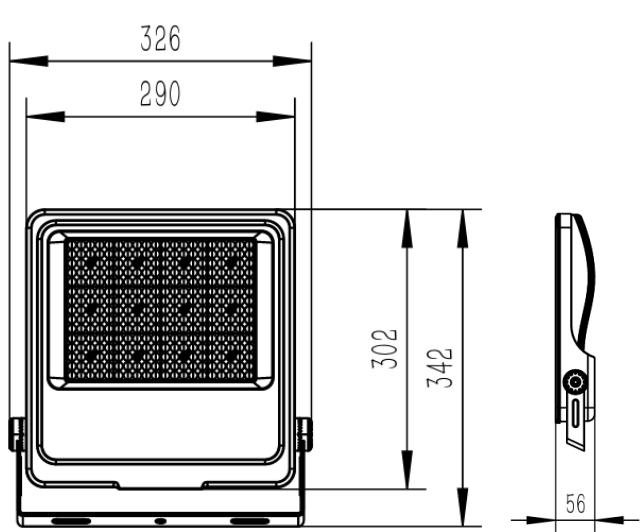
70W



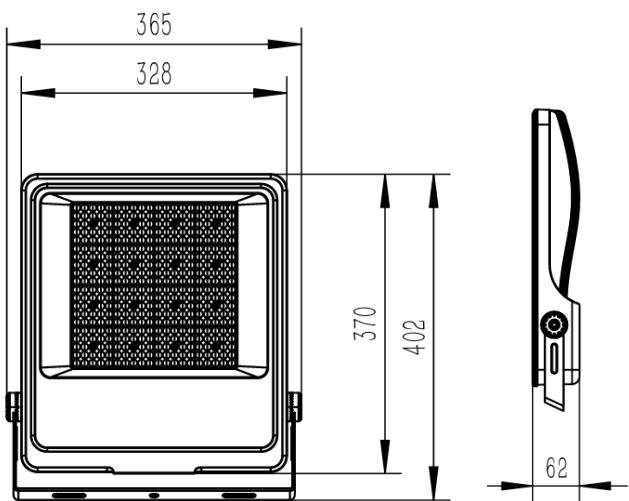
100W



150W



200W



300W

