

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 & UNDERPASSES



CAR PARKS



LARGE AREAS



SPORT FACILITIES



INDUSTRIAL HALLS & WAREHOUSES



ROADS & MOTORWAYS



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)

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

OPERATING CONDITIONS

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

PERFORMANCE

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

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.	

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.	

LIFETIME OF THE LEDS @ TA 25°C

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

FLO3-SERIES

CHARACTERISTICS

STANDARD VERSION

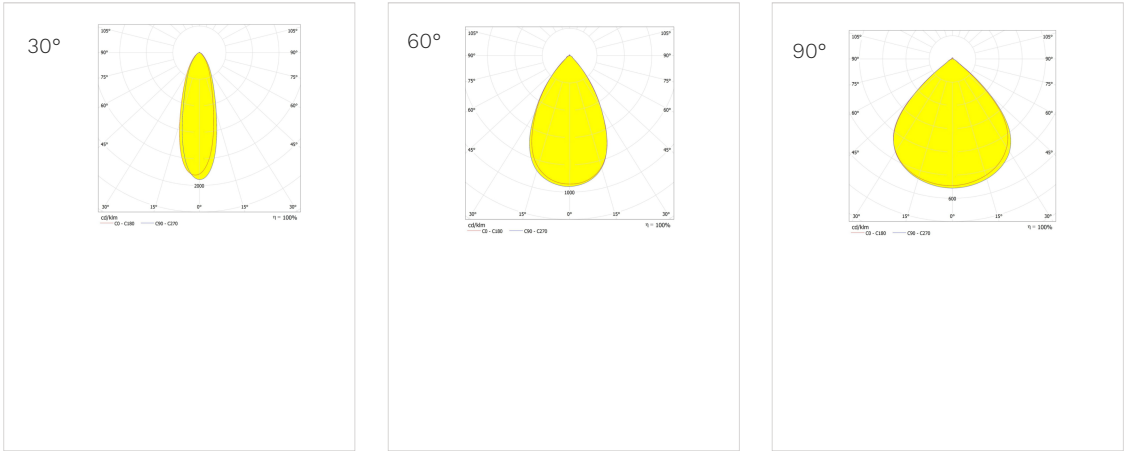
POWER		LUMENS		EFFICACY	
	50W		6000LM		120LM/W(Ra70)
	70W		8400LM		120LM/W(Ra70)
	100W		12,000LM		120LM/W(Ra70)
	150W		18000LM		120LM/W(Ra70)
	200W		24,000LM		120LM/W(Ra70)
	300W		36,000LM		120LM/W(Ra70)

※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	0.0573m³	1190g	/	10660pcs	24800pcs
70W	L485*W300*H310mm	10PCS/CTN	0.0451m³	1855g	/	5170pcs	11960pcs
100W	L530*W335*H345mm	10PCS/CTN	0.0613m³	2385g	/	5080pcs	10500pcs
150W	L340*W330*H395mm	5PCS/CTN	0.0443m³	3465g	/	3490pcs	8205pcs
200W	L390*W335*H450mm	5PCS/CTN	0.0595m³	4570g	/	2650pcs	5855pcs
300W	L500*W445*H10mm	1PCS/CTN	0.0223m³	6315g	/	1393pcs	3205pcs

LIGHT DISTRIBUTIONS

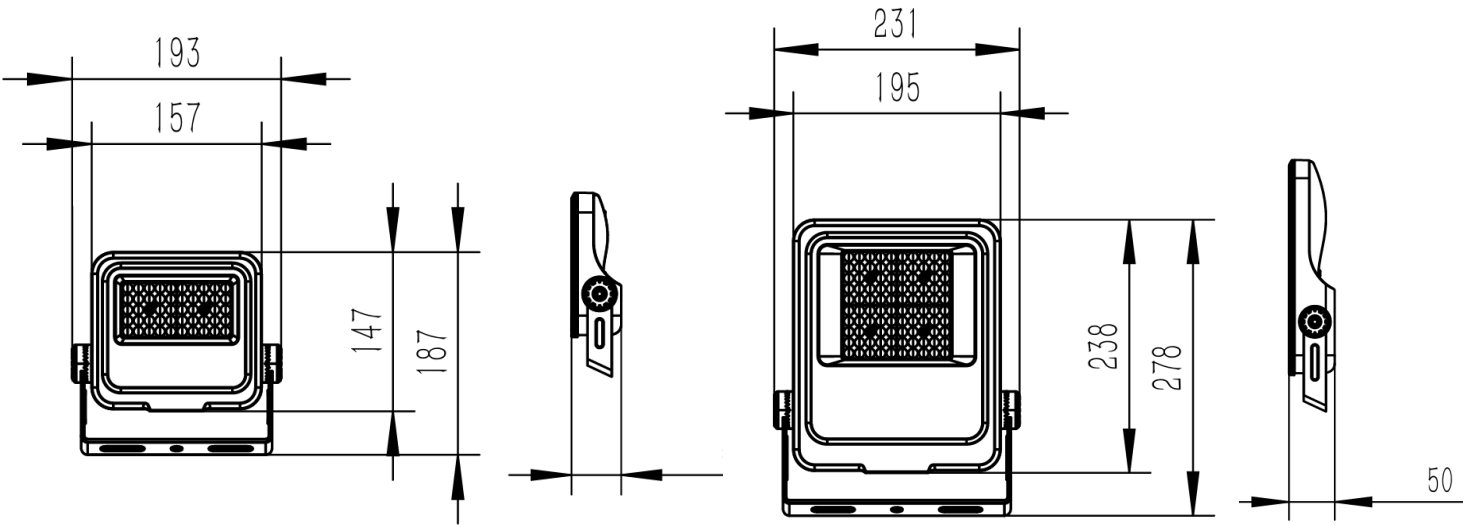


LIGHT DISTRIBUTIONS

 Connecting the cable requires an IP65 Tightness level

50W

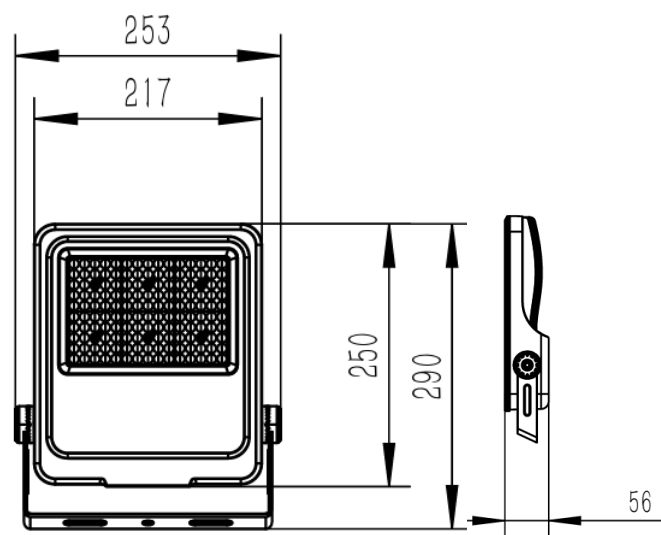
70W



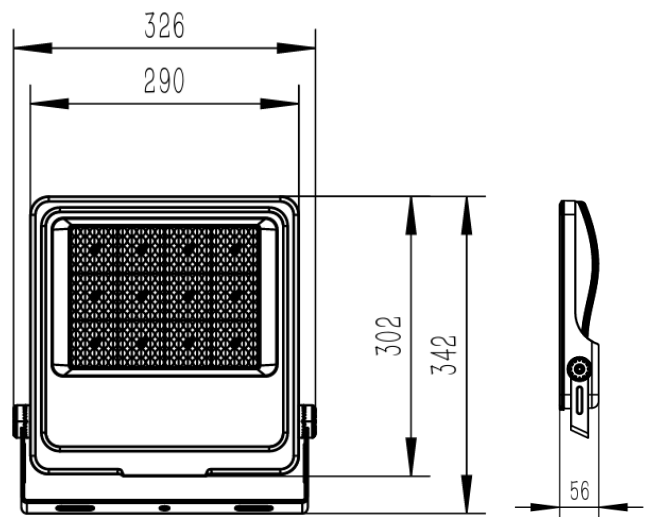
FLO6-SERIES

CHARACTERISTICS

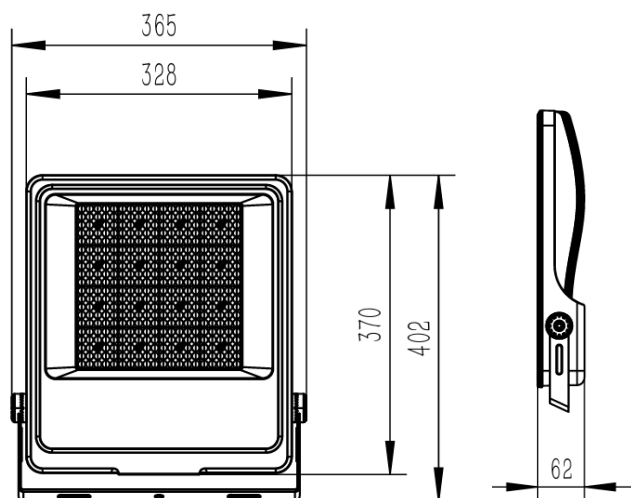
100W



150W



200W



300W

