LED FLOOD LIGHT 50-480W- OPT-FLG10

أوبتيمال لايت
Optimal Light

50-480 WATTS

MODEL: OPT FLG10







Lit by LUMILEDS

PHILIPS

SOSEN

5 YEARS WARRANTY

KEY ADVANTAGES

- A variety of professional light distribution options
- The differentiated appearance design is flexibly used in the application places
- Cost-effective and very competitive solution offers an industry-leading lux and significant energy savings
- Various mounting options and inclination possibilities on-site for optimal photometry
- Tempered glass cover to effectively reduce UV damage on the lens
- Real beneficial LED alternative to HID floodlights for high-power applications
- Modular combination, multiple power options with complete wattage

TYPES OF APPLICATION

- BUILDING LIGHTING
- AREA LIGHTING
- RECREATIONAL SPORTS LIGHTING
- ACCENT LIGHTING
- PARKING LOTS

90-305V | IP 66 | CRI >80

RoHS COMPLIANT | IK07 | IP66 | CHIP LED LUMILEDS

Power Supply / Driver Certificates

E360758

160 LUMEN/WATT

SPORT FACILITIES

CAR PARKS



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GENERAL INFORMATION

Driver included	Yes
Certificates	CE CB IECEE SASO
RoHS compliant	Yes
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Testing standard	LM-79-19 (all measurements in ISO17025 accredited laboratory)
Certificates:	CB IECEE SASO

HOUSING AND FINISH

Housing	Aluminium
Protector	Glass
Glass	Tempered glass
Respirator	Yes
Housing finish	Electrostatic polyester powder coating
Standard colour(s)	RAL 9017 black
Tightness level	IP 66
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	5 years

PERFORMANCE

Power	100W/150W/200W/ 240W/300W/400W/480W
Efficacy	130lm/W/140lm/W
Power Efficiency	≥90%
Start Time	≤0.2S

ELECTRICAL INFORMATION

Electrical class	Class I EU
Nominal voltage	100-277V | 50/60Hz
Power factor (at full load)	0.9
Surge protection options (kV)	(<50W) 4KV-Line-Line (<50W) 4KV-Line-Earth (>50W) 6KV-Line-Line (>50W) 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) Sosen Brand
Filcker	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	SMD3030 - Philips Lumileds
Beam Angle	30° / 60° / 90° / 120° / T2 / T3 / T4
Recommended installation height	4m to 12m
Color Tolerance	Ra70 ≤7 Ra80 ≤5
LED colour temperature	3000K / 4000K / 5000K / 5700K / 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	
L70B50	>100,000h
L80B20	>50,000h
L90B10	>30,000h
Switching Cycles	>100,000 times

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STANDARD VERSION

POWER	LUMENS	
100W	16,000LM	160 LM /Watt
150W	24,000LM	160 LM /Watt
200W	32,000LM	160 LM /Watt
240W	38,400LM	160 LM /Watt
300W	48,000LM	160 LM /Watt
400W	64,000LM	160 LM /Watt
480W	76800LM	160 LM /Watt

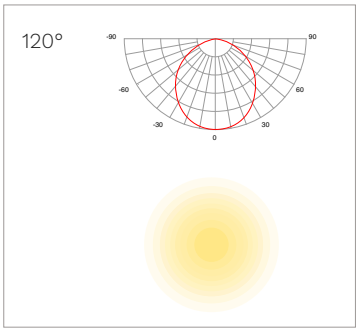
POWER	LUMENS
50W	8000 LM 160 LM /Watt

160 LUMEN/WATT

CRI: 80
VOLTAGE: 100-277 AC

LIGHT DISTRIBUTIONS

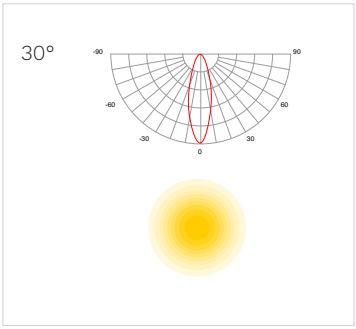
120°



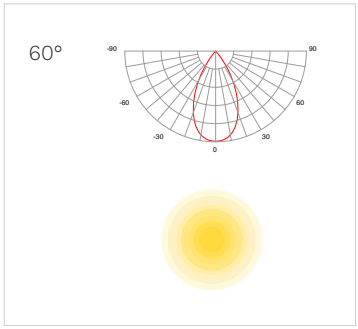
※The Performance Data is tested base on 230VAC, 90° and 4000K for all versions
※Power Consumption Tolerance ±5% (Apply to all versions)
※Lumen Efficiency Tolerance ±5% (Apply to all versions)
※Asymmetrical light distribution Reduced light efficiency by 10LM
※30 degrees beam angle Reduced light efficiency by 5LM/W

LIGHT DISTRIBUTIONS

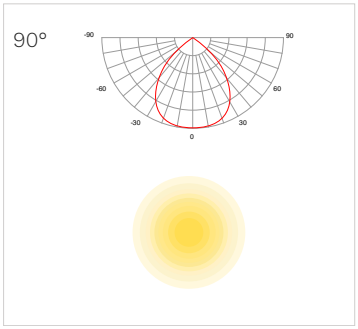
30°



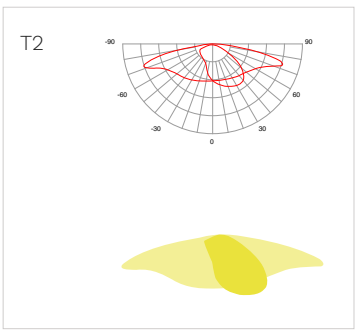
60°



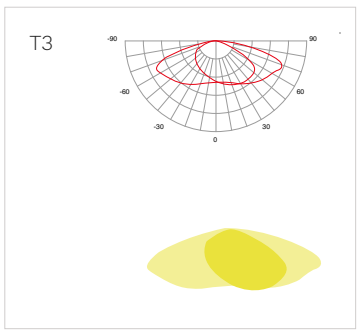
90°



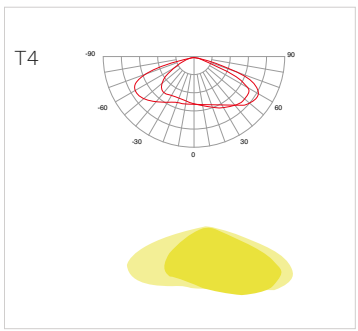
T2



T3

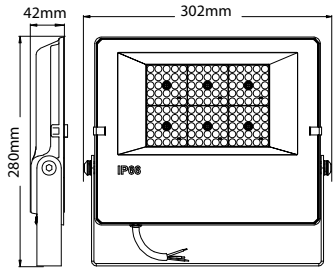


T4

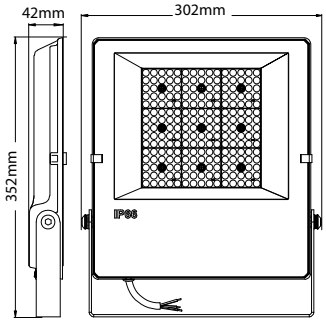


⚠ Connecting the cable requires an IP65 Tightness level

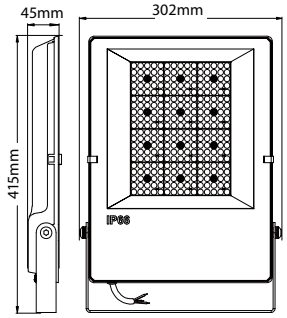
100W



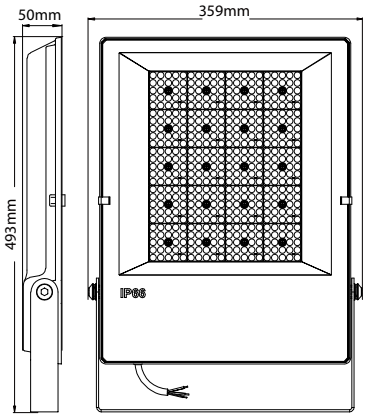
150W



200W



240W/300W



400W/480W

