

PHOTON FLOOD LIGHT



High efficacy • Innovative • Durable • Dark Sky • Low-glare

AREAS OF APPLICATION

RECREATIONAL SPORTS

CONTAINER TERMINAL

OUTDOOR STADIUM

RAILWAY STATION

INTERSECTION

RACE COURSE

AIRPORT

PARKING

Products Benefits & Features

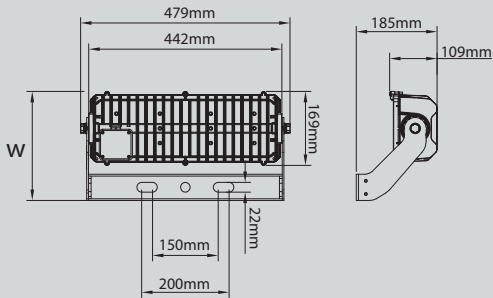
- Modular design 400W/480W/600W/800W/960W/1200W/1500W/1800W.
- No backlight, no up-light and no spill light.
- Professional and unique optics options could effectively control glare and ensure the good uniformity.
- Adjustable bracket design obtains the best uniformity.
- Excellent anti-corrosion performance.
- Provided with 20KV surge protection devices.
- Excellent outlook, robust and durable design.
- Lifetime of more than 100,000 hours.
- Easy and fast installation.
- Wide temperature operating range.
- IK10, IP66
- Wide choice of optics.
- 95% of the material used are recyclable materials.
- 5 years warranty.

Dimensions

PHOTON MINI

Wattage	Dimensions
400W	L479xW250xH185mm
480W	L479xW266xH185mm
600W	L479xW283xH185mm

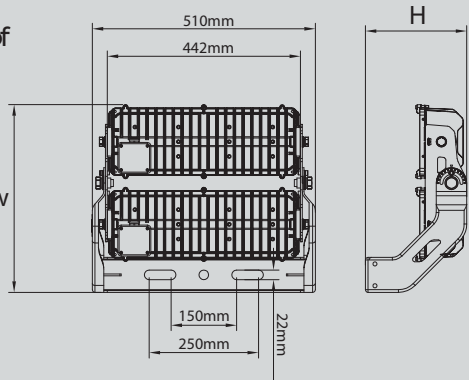
Weight of the fixture	Weight of ON-OFF 0-10V driver	Weight of DALI driver
6.3kg	5.5kg	5.5kg
7.0kg	5.5kg	5.5kg
7.8kg	5.9kg	5.9kg



PHOTON MIDI

Wattage	Dimensions
800W	L510xW429xH232mm
960W	L510xW527xH298mm
1200W	L510xW560xH298mm

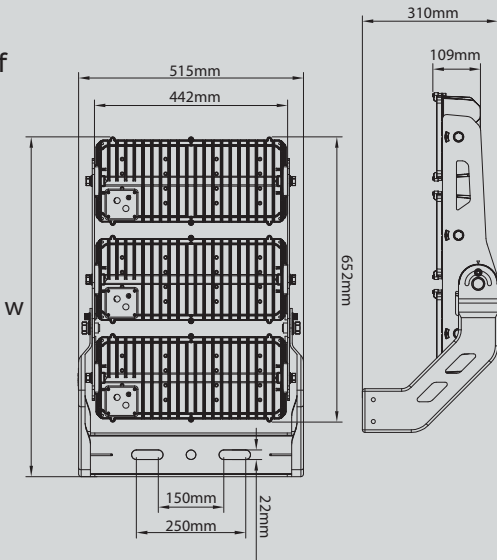
Weight of the fixture	Weight of ON-OFF 0-10V driver	Weight of DALI driver
13.7kg	10.8kg	9.7kg
16.4kg	10.8kg	9.7kg
18.8kg	6.6kg	12.1kg



PHOTON MAXI

Wattage	Dimensions
1500W	L515xW777xH310mm
1800W	L515xW833xH310mm

Weight of the fixture	Weight of ON-OFF 0-10V driver	Weight of DALI driver
24.8kg	12.5kg	7kg
28kg	13.4kg	7kg





Product Datasheet

Using Samsung 5050 LED chip

Product Range

	PHOTON MINI 1.1	PHOTON MINI 1.2	PHOTON MINI 1.3
Nominal Wattage (W)	400W	480W	600W
Efficiency (lm/W)	150lm/W	150lm/W	150lm/W
Lumen Output (lm)	60000lm	72000lm	90000lm

	PHOTON MIDI 1.1	PHOTON MIDI 1.2	PHOTON MIDI 1.3
Nominal Wattage (W)	800W	960W	1200W
Efficiency (lm/W)	150lm/W	150lm/W	150lm/W
Lumen Output (lm)	120000lm	144000lm	180000lm

	PHOTON MAXI 1.1	PHOTON MAXI 1.2
Nominal Wattage (W)	1500W	1800W
Efficiency (lm/W)	150lm/W	150lm/W
Lumen Output (lm)	225000lm	270000lm

*Values are subject to ±5% tolerance.

Electrical Data

Input Voltage (Integrated driver)	DALI Version: 220-240VAC (400W to 1200W) 50/60Hz 220-277VAC (1500W and 1800W)		Dimming Version: 220-240VAC (400W to 960W) 50/60Hz 220-277VAC (1200W to 1800W)
LED	Samsung 5050		
Driver	Inventronics Osram (Default) / Other brands (available on request)		
Power Factor (PF)	>0.95		
Surge protection (including LED indicator)	20KV		
CRI	Ra>70 (Default) / Ra>80, Ra>90 (available on request)		
CCT (K)	2200K,2700K,3000K,3500K,4000K,5000K,5700K,6500K		

*Driver is available integrated or remoted.

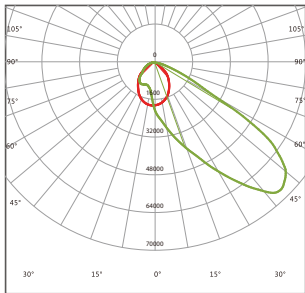
General Data

Body Material	Aluminum alloy
Housing Color	Black (RAL9017)
Cover Material	Tempered Glass
Lens Material	Polycarbonate
Working Ambient Temperature	-30°C ~ +50°C
Lifespan L70 at 25°	>100,000 h
Mounting Type	Bracket mounting
Driver Control	ON-OFF / 0-10V Dimming (Default) / DALI, DMX (available on request)
Protection Class	Class I
IP rating	IP66
IK rating	IK10
Warranty	5 years

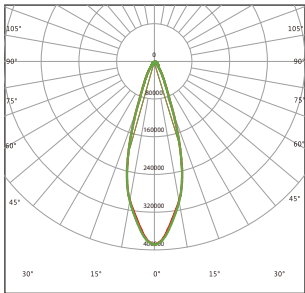
Product Datasheet

Using Samsung 5050 LED chip

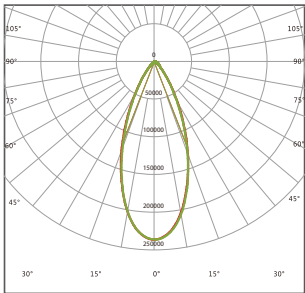
Distributions



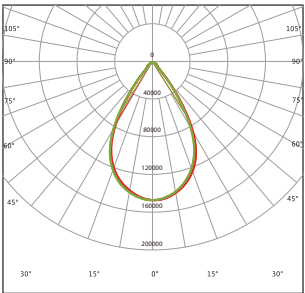
PE1
Type III very short
(35x100°, Tilt 40°)



PE2
30°



PE3
40°



PE4
60°

Optional accessories

Precision Aiming Device

Visor (For PE2,PE3,PE4)

Visor (For PE1)



PD



V1



V2

ORDERING CODE

SERIES NAME - PRODUCT RANGE - LED CHIP - COLOR - CRI - CCT - OPTICS - CONTROL - ACCESSORIES

PHOTON	MINI I.1	Samsung 5050	B Black	7 Ra>70	22 2200K	PE1 TYPE III	1 ON-OFF	PD PRECISION AIMING DEVICE
	MINI I.2			8 Ra>80	27 2700K	PE2 30°	2 0-10V	V1 VISOR 1
	MINI I.3			9 Ra>90	30 3000K	PE3 45°	3 DALI	V2 VISOR 2
	MIDI I.1				35 3500K	PE4 60°	4 DMX/RDM	
	MIDI I.2				40 4000K			
	MIDI I.3				50 5000K			
	MAXI I.1				57 5700K			
	MAXI I.2				65 6500K			



Product Datasheet

Using Osram 3737 LED chip

Product Range

	PHOTON MINI 1.1	PHOTON MINI 1.2	PHOTON MINI 1.3
Nominal Wattage (W)	400W	480W	600W
Efficiency (lm/W)	140lm/W	140lm/W	140lm/W
Lumen Output (lm)	56,000lm	67,200lm	84,000lm

	PHOTON MIDI 1.1	PHOTON MIDI 1.2	PHOTON MIDI 1.3
Nominal Wattage (W)	800W	960W	1200W
Efficiency (lm/W)	140lm/W	140lm/W	140lm/W
Lumen Output (lm)	112,000lm	134,400lm	168,000lm

	PHOTON MAXI 1.1	PHOTON MAXI 1.2
Nominal Wattage (W)	1500W	1800W
Efficiency (lm/W)	140lm/W	140lm/W
Lumen Output (lm)	210,000lm	252,000lm

*Values are subject to ±5% tolerance.

Electrical Data

Input Voltage (Integrated driver)	DALI Version: 220-240VAC (400W to 1200W) 50/60Hz 220-277VAC (1500W to 1800W)	Dimming Version: 220-240VAC (400W to 960W) 50/60Hz 220-277VAC (1200W to 1800W)
LED	Osram 3737	
Driver	Inventronics Osram (Default) / Other brands (available on request)	
Power Factor (PF)	>0.95	
Surge protection (including LED indicator)	20KV	
CRI	Ra>70 (Default) / Ra>80, Ra>90 (available on request)	
CCT (K)	3000K,3500K,4000K,4500K,5000K,5700K,6500K)	

*Driver is available integrated or remotod.

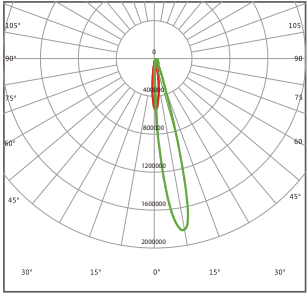
General Data

Body Material	Aluminum alloy
Housing Color	Black (RAL9017)
Cover Material	Tempered Glass
Lens Material	Polycarbonate
Working Ambient Temperature	-30°C ~ +50°C
Lifespan L70 at 25°	>100,000 h
Mounting Type	Bracket mounting
Driver Control	ON-OFF / 0-10V Dimming (Default) / DALI, DMX (available on request)
Protection Class	Class I
IP rating	IP66
IK rating	IK10
Warranty	5 years

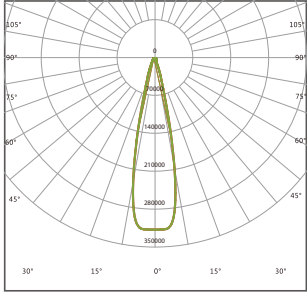
Product Datasheet

Using Osram 3737 LED chip

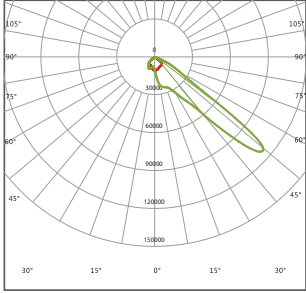
Distributions



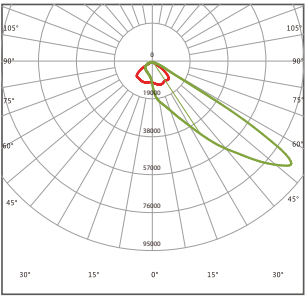
PE5
15°



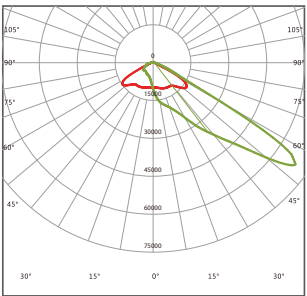
PE6
25°



PE7
60°



PE8
70°



PE9
75°

Optional accessories

Precision Aiming Device

Visor (For PE6,PE7)

Visor (For PE5,PE8,PE9)



PD



V1



V2

ORDERING CODE

SERIES NAME - PRODUCT RANGE - LED CHIP - COLOR - CRI - CCT - OPTICS - CONTROL - ACCESSORIES

PHOTON	MINI I.1 MINI I.2 MINI I.3 MIDI I.1 MIDI I.2 MIDI I.3 MAXI I.1 MAXI I.2	Osram 3737	B Black	7 Ra>70 8 Ra>80 9 Ra>90	30 3000K 35 3500K 40 4000K 45 4500K 50 5000K 57 5700K 65 6500K	PE5 15° PE6 25° PE7 60° PE8 70° PE9 75°	1 ON-OFF 2 0-10V 3 DALI 4 DMX/RDM	PD PRECISION AIMING DEVICE V1 VISOR 1 V2 VISOR 2
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