2025
Catalogue

HUADIAN LIGHTING

H LIGHTING

ABOUT HUADIAN LIGHTING

Founded in 2013, HD Lighting has been a Leader for Sports Lighting in China. We pride ourselves on manufacturing high-end LED lighting, specializing in sports lights, floodlights, street lights, area lights, and high bay lights, showcase our comprehensive expertise in sports lighting. since 2018, HD has been Top 2 supplier of LED sport lights in China, In 2023, the total turnover of HD Lighting reached **88.2** million US dollars.

Our state-of-the-art R&D and production facilities with an area of 500,000m² in Shenzhen and Jieyang are staffed by a skilled team of over **69** engineers, **50** sales representatives, and **30** QC personnel, ensuring top-notch product quality and customer satisfaction.

Until now, we have completed more than **3030** projects across 63 countries and currently hold more than **150** patents. Our Ambitious goal is to become a top 10 global lighting brand supplier, delivering innovative and sustainable lighting solutions for stadiums, outdoor venues, and industrial sectors worldwide. We are committed to being a reliable partner for all customer who chooses HD through continuous research, exploration, and case summaries.

RELIABLE TEST

We have our professional laboratory and collaborate with the CNAS laboratory for rigorous testing. Our tests include the Integrating Sphere Test, Salt Spray Test, Water-Proof Test, Surge Test, Constant Temperature And Humidity Test, Safety Test, Drop Test, Explosion Proof Test, G3 Vibration Test, Wind Resistance Test, EMI Test, Aging Test, RoHS Test, High And Low-Temperature Tests, among others.

Integrating Sphere Test
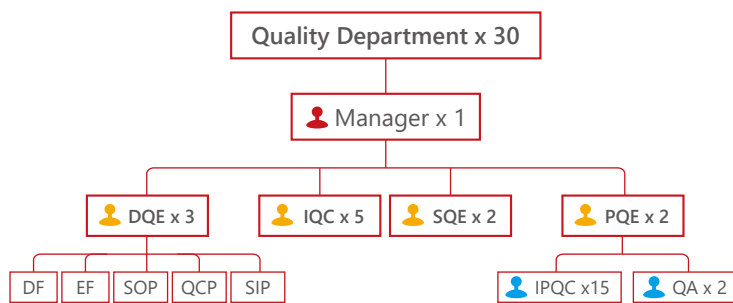

TEMP & HUMI Test

IES Test

3G Vibration Test

Water-Proof Test

QUALITY CONTROL

30 QC personnel, ensuring top-notch product quality and customer satisfaction. We perform various quality checks, including first-piece inspection, incoming inspection, lighting and electrification tests during production, aging tests, and finished product inspections.

IQC → **IPQC** → **OQA**

Quality Department x 30

Manager x 1

DQE x 3 | IQC x 5 | SQE x 2 | PQE x 2

DF | EF | SOP | QCP | SIP

IPQC x15 | QA x 2

CERTIFICATES

All our products meet CE and RoHS requirements and are UL, DLC, SAA, FCC, ETL, CB, ENEC, GS, TUV, D-Mark, RCM, etc. certified in different countries and regions worldwide.

PATENTS

HD Lighting holds 113 patents currently.

OVERSEAS FACTORY SUPPORT

HD established factories in Vietnam and Mexico in 2023, it is good news for all customers, as it means less risk and more cost-effective production. Establishing a factory in a foreign country can provide access to new markets. Companies can reduce transportation costs and delivery times, setting up production facilities closer to these markets.

VIETNAM FACTORY

Vietnam Huadian Electric Co., Ltd. is conveniently located in the Dinh Vu-Cat Hai Economic Zone of Haiphong, northern Vietnam's largest port city. We're just 10 kilometers from the airport, 241 kilometers from Guangxi's Dongxing Port in China, and 120 kilometers from Hanoi. Being close to important transport hubs helps us quickly meet our client's needs and deliver products on time, building strong, reliable relationships.
Size: 5,400m²
Employees: 150+ (6 from China). As the operation grows, more operatives will be hired.
Production capacity:
>> Sports and flood light 20000 pcs/Month.
>> High bay and area light 32000 pcs/Month.
>> High mast light 18000 pcs/Month.

MEXICO FACTORY

Size: 1,300m².
Employees: 40 (Administrative and Operatives). As the operation grows, more operatives will be hired.
Production capacity:
>> Sports and flood light 4500 pcs/Month.
>> High bay and area light 15000 pcs/Month.
>> High mast light 4000 pcs/Month.
Capacity: Operating at approximately 35% production capacity.

PRODUCTS CONTENTS

LED Sports Light (Round)

P3-6 **NEW!**

SP09
300W-1500W
48,000Lm-210,000Lm

P7-8

SP09 Mini
300W-500W
48,000Lm-75,000Lm

P9-10 **NEW!**

SP9.5 S-M
300W-800W
48,000Lm-120,000Lm

P11-12 **NEW!**

SP9.5
300W-600W
48,000Lm-90,000Lm

P13-14

SP06
300W-1200W
45,000Lm-174,000Lm

P15-18

SP02
300W-1200W
45,000Lm-174,000Lm

LED Sports Light (Square)

P21-24 **NEW!**

FL35
1260W-1800W
214,200Lm-288,000Lm

P25-28 **NEW!**

FL26
600W-800W
90,000Lm-128,000Lm

P29-32

Marvel X (FL19)
600W-700W-800W
90,000Lm-128,000Lm

P33-36

FL19 Plus
800W-1800W
128,000Lm-270,000Lm

P37-40 **NEW!**

FL19 MAX
1000W-2000W
150,000Lm-300,000Lm
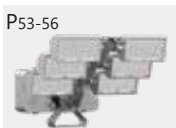
P41-44 **NEW!**

Athena (FL18)
800W-1200W
100,000Lm-150,000Lm

P45-48

Apollo (FL11)
1260W-1800W
214,200Lm-288,000Lm

P49-52

NEO (FL09)
600W-1500W
90,000Lm-225,000Lm

P53-56

FL06
800W-1600W
112,000Lm-224,000Lm

P57-60 **NEW!**

FL04-L
600W-1600W
84,000Lm-208,000Lm

P61-64

FL04-M
400W-1500W
52,000Lm-210,000Lm

P65-68 **NEW!**

FL04-S
300W-500W
51,000Lm-85,000Lm

P69-72

FL03 (Horizontal)
300W-2400W
45,000Lm-360,000Lm

P73-74

FL03 (Vertical)
1000W-1600W
135,000Lm-216,000Lm

LED Flood Light

P77-80 **NEW!**

FL29
50W-600W
8,000Lm-96,000Lm

P81-84 **NEW!**

FL23
200W-800W
33,000Lm-140,000Lm

P85-86

Star (FL17)
100W-600W
14,500Lm-90,000Lm

P87-90

FL16
250W-1000W
40,000Lm-160,000Lm

P91-94

FL2.5
300W-1200W
36,000Lm-180,000Lm

P95-98

FL02
250W-1250W
32,500Lm-175,000Lm

LED Area Light

P101-104 **NEW!**

SB05A
60W-400W
9,000Lm-60,000Lm

P105-108

SB05
50W-500W
8,000Lm-80,000Lm

P109-112

SB06
50W-500W
8,000Lm-80,000Lm

LED Highbay Light

P115-118 **NEW!**

HB19
60W-240W
9,600Lm-38,400Lm

P119-122

HB17
60W-300W
9,600Lm-48,000Lm

P123-126

Flash (HB15)
60W-500W
9,600Lm-80,000Lm

P127-130
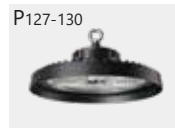
Hurricane (HB14)
60W-240W
9,600Lm-38,400Lm

LED Street Light

P133-136

SL13
80W-240W
12,000Lm-36,000Lm

P137-140

SL12
40W-200W
6,000Lm-30,000Lm

P141-144

Storm (SL05)
30W-400W
39,000Lm-52,000Lm

P145-148

SL03
40W-200W
5,600Lm-28,000Lm

LED High Mast Light

P151-154

HM01A
300W-1000W
45,000Lm-150,000Lm

P155-158

HM02
500W-960W
70,000Lm-153,600Lm

LED SPORTS LIGHT
(Round)

SP09

IP66 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

UL | c(UL)us LISTED | DLC | CE | FC | RoHS

SP09 LED sports light series offers a comprehensive lighting solution for stadiums. Anti-Glare grille and visors to ensure high-quality lighting. Opto-electric separation solution to save material costs and avoid the interference of heat to the driver, to ensure efficient operation. Humanized structure design for convenient installation, enhancing safety in high-altitude operations, and saving labor costs.
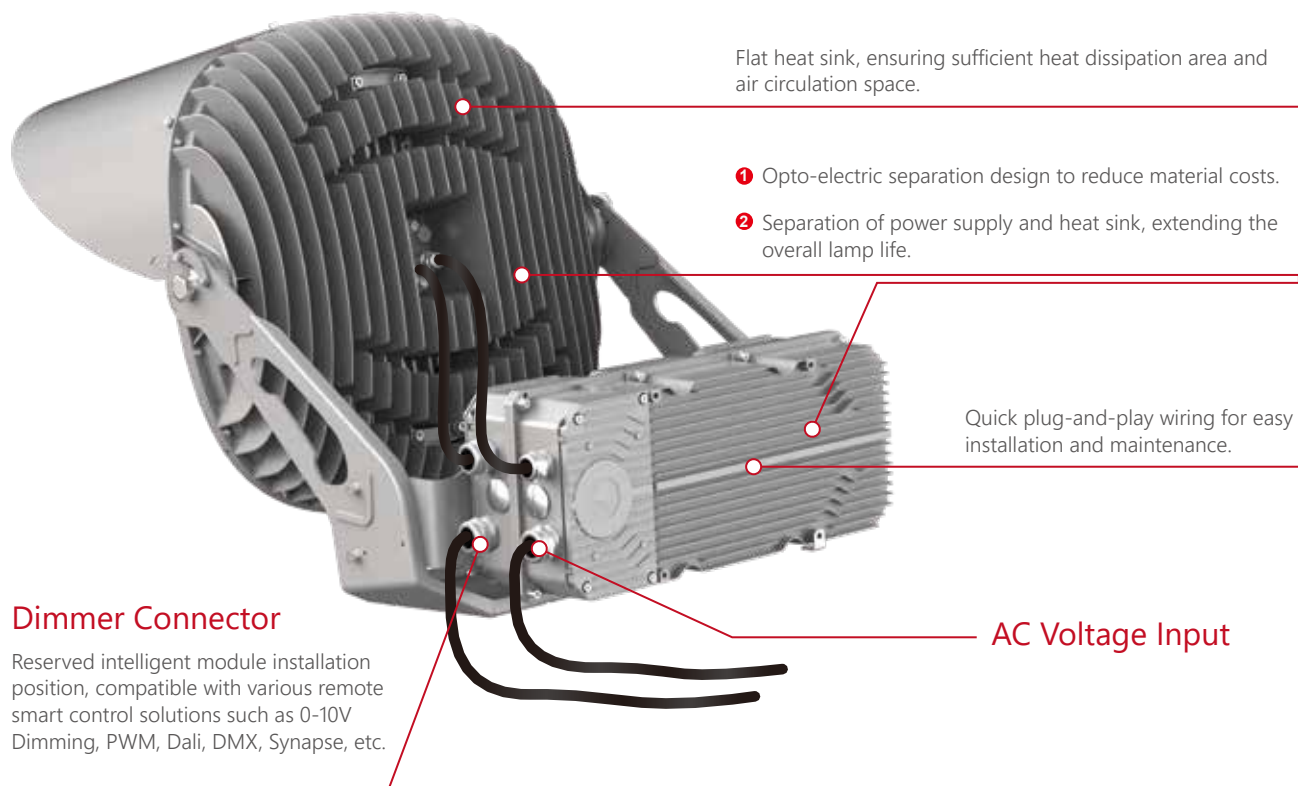
1400W/ 1500W   1000W/ 1200W/ 1300W

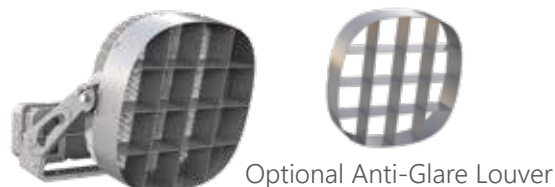680W/ 750W/ 800W/ 1000W   300W/ 400W/ 500W/ 600W

Flat heat sink, ensuring sufficient heat dissipation area and air circulation space.

❶ Opto-electric separation design to reduce material costs.

❷ Separation of power supply and heat sink, extending the overall lamp life.

Quick plug-and-play wiring for easy installation and maintenance.

Dimmer Connector

Reserved intelligent module installation position, compatible with various remote smart control solutions such as 0-10V Dimming, PWM, Dali, DMX, Synapse, etc.

AC Voltage Input

3-in-1 Wattage Selectable

L: 1000W-1200W-1300W
M: 680W-750W-800W
M1: 800W-900W-1000W

S: 300W-400W-500W
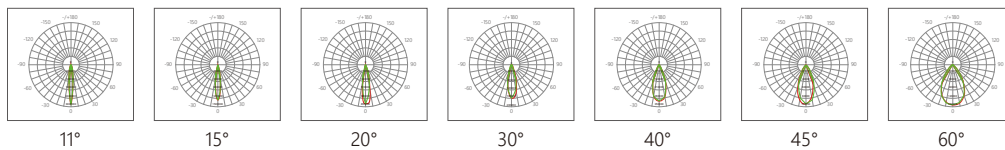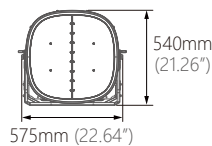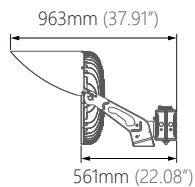S1: 400W-500W-600W

Accessories Visors for Option

Optional visor

Optional Anti-Glare Louver

SPECIFICATIONS

Model No.	HD-SP09-L-1000W/ 1200W/ 1300W	HD-SP09-M-680W/ 750W/ 800W	HD-SP09-S-300W/ 400W/ 500W
Wattage	1000W/ 1200W/ 1300W	680W/ 750W/ 800W	300W/ 400W/ 500W
	1000W-1200W-1300W Selectable	680W-750W-800W Selectable	300W-400W-500W Selectable
Light Efficiency	145Lm/W-150Lm/W	145Lm/W-150Lm/W	150Lm/W-160Lm/W
Lumen Flux (@5700K)	150,000Lm-188,500Lm	102,000Lm-116,000Lm	48,000Lm-75,000Lm
Beam Angle	11° / 15° / 20° / 40° / 60°	15° / 20° / 30° / 40° / 60°	30° / 45°
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K Optional		
CRI	≥70 (80, 90, TLCI>90 Optional)		
SDCM	≤5		
Input Voltage	AC 100-277V / AC 200-480V		
Power Factor	≥0.95		
THD	≤15%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP66		
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor/ -4022°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)		
Intelligent Control	DMX, RDM Optional		
Warranty	5 Years, 7 Years Optional		
Certificate	UL / CUL / DLC / FCC / CE / RoHS		
LED Brand	Samsung, Lumileds, Bridgelux		
Driver Brand	Sosen, Inventronics, Powerland	Sosen, Inventronics, Powerland, uPowerTek	Sosen, Moso, uPowerTek
Structure	Die-casting High Thermal Conductivity AL		
Finish	Powder Coated		
Lens	Polycarbonate		
Color	Gray		

Photometric Diagrams

| 11° | 15° | 20° | 30° | 40° | 45° | 60° |

Parameters

963mm (37.91″)   561mm (22.08″)   575mm (22.64″)   540mm (21.26″)

Watt: 1000W/ 1200W/ 1300W
EPA: Front: 2.9 ft², Side: 1.02 ft²
CTN: 780*630*355mm (30.71*24.80*13.98in)
N. W (±0.5): 20.7kg (45.6 lbs) (Without Driver)
19.5kg (43 lbs) (Without Driver and Visor)
(7.5kg~10kg) (16-22 lbs) (Driver Component)

747mm (29.41″)   477mm (18.77″)   505mm (19.88″)   451mm (17.76″)
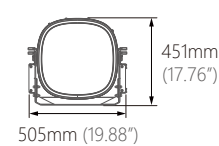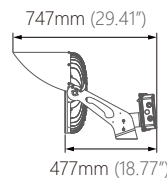
Watt: 680W/ 750W/ 800W
EPA: Front: 1.92 ft², Side: 0.8 ft²
CTN: 675*540*300mm (26.57*21.26*11.81in)
N. W (±0.5): 13.7kg (30.2 lbs) (Without Driver)
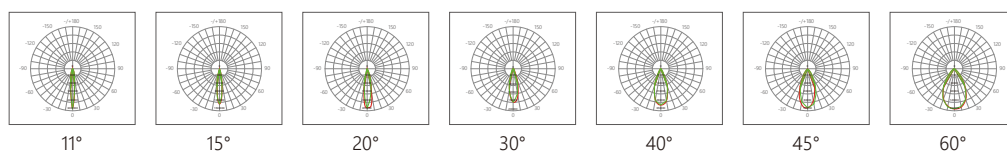13kg (28.7 lbs) (Without Driver and Visor)
6kg (13.2 lbs) (Driver Component)

559mm (22.01″)   390mm (15.35″)   409mm (16.1″)   408mm (16.06″)
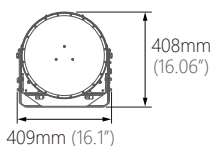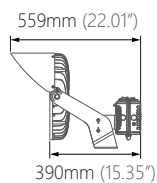
Watt: 300W/ 400W/ 500W
EPA: Front: 1.28 ft², Side: 0.63 ft²
CTN: 610*450*325mm (24*17.7*13.92.8in)
N. W (±0.5): 7.6kg (16.8 lbs) (Without Driver)
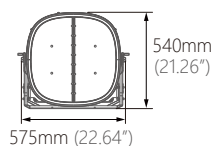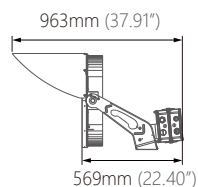7.3kg (16.1 lbs) (Without Driver and Visor)
4.2kg (9.3 lbs) (Driver Component)

SPECIFICATIONS

Model No.	HD-SP09-XL-1400W/ 1500W	HD-SP09-M1-1000W	HD-SP09-S1-600W
Wattage	1400W/ 1500W	1000W	600W
		800W-900W-1000W Selectable	400W-500W-600W Selectable
Light Efficiency	140Lm/W-150Lm/W	145Lm/W	150Lm/W
Lumen Flux (@5700K)	210,000Lm	145,000Lm	90,000Lm
Beam Angle	11° / 15° / 20° / 40° / 60°	15° / 20° / 30° / 40° / 60°	30° / 45°
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K Optional		
CRI	≥70 (80, 90, TLCI>90 Optional)		
SDCM	≤5		
Input Voltage	AC 100-277V / AC 200-480V		
Power Factor	≥0.95		
THD	≤15%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP66		
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor/ -4022°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)		
Intelligent Control	DMX, RDM Optional		
Warranty	5 Years, 7 Years Optional		
Certificate	UL / CUL / DLC / FCC / CE / RoHS		
LED Brand	Samsung, Lumileds, Luminus, Bridgelux		
Driver Brand	Sosen, Inventronics, Powerland	Sosen, Inventronics, Powerland, uPowerTek	Sosen, Moso, uPowerTek
Structure	Die-casting High Thermal Conductivity AL		
Finish	Powder Coated		
Lens	Polycarbonate		
Color	Gray		

Photometric Diagrams

| 11° | 15° | 20° | 30° | 40° | 45° | 60° |

Parameters

963mm (37.91")
540mm (21.26")
569mm (22.40")
575mm (22.64")

Watt: 1400W/ 1500W
EPA: Front: 2.9 ft², Side: 1.02 ft²
CTN: 780*630*355mm (30.71*24.80*13.98in)
N. W (±0.5) : 22.4kg (49.38 lbs) (Without Driver)
21.2kg (46.74 lbs) (Without Driver and Visor)
(8.5kg~10kg) (18.7-22 lbs) (Driver Component)

747mm (29.41")
451mm (17.76")
477mm (18.77")
505mm (19.88")
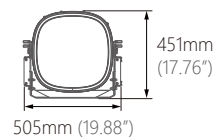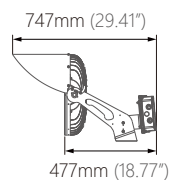
Watt: 800W/ 900W/ 1000W
EPA: Front: 1.92 ft², Side: 0.8 ft²
CTN: 675*540*300mm (26.57*21.26*11.81in)
N. W (±0.5) : 15kg (33.1 lbs) (Without Driver)
14.3kg (31.5 lbs) (Without Driver and Visor)
7kg (15.4 lbs) (Driver Component)

559mm (22.01")
408mm (16.06")
390mm (15.35")
409mm (16.1")
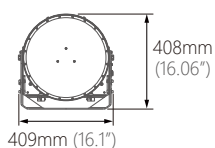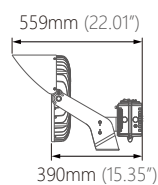
Watt: 400W/ 500W/ 600W
EPA: Front: 1.28 ft², Side: 0.63 ft²
CTN: 610*450*325mm (24*17.7*13.92.8in)
N. W (±0.5) : 8.4kg (18.5 lbs) (Without Driver)
8.1kg (17.9 lbs) (Without Driver and Visor)
4.7kg (10.4 lbs) (Driver Component)

SP09 Mini

SP09 Mini is an all-in-one low & medium-power sports field light, applicable to professional sports, civil training grounds, outdoor entertainment venues, plazas, parking lots, airports, docks, and other high-mast lighting places.
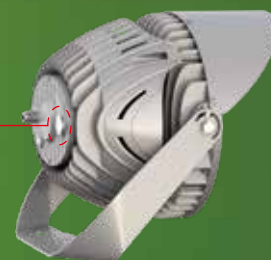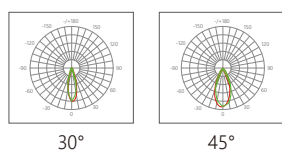
IP66 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY
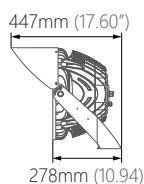
3-in-1 Power Adjustable: 500W-400W-300W
600W-500W-400W

SPECIFICATIONS

Model No.	HD-SP09-300W/ 400W/ 500W	HD-SP09-600W
Wattage	300W/ 400W/ 500W	600W
	300W-400W-500W Selectable Optional	400W-500W-600W Selectable Optional
Light Efficiency	150Lm/W-160Lm/W	
Lumen Flux (@5700K) (±10%)	48,000Lm-75,000Lm	64,000Lm-90,000Lm
Beam Angle	30°/ 45°	
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K, RGB/ RGBW Optional	
CRI	70 (80, 90, TLCI 90 Optional)	
SDCM	≤5	
Input Voltage	AC 100-277V / AC 200-480V	
Power Factor	≥0.95	
THD	≤15%	
Percent Flicker (%)	<3%	
Surge Protection	10KV	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)	
Intelligent Control	0-10V Dimming, PWM,DALI, DMX, Synapse	
Warranty	5 Years, 7 Years Optional	
Certificate	UL / CUL / DLC / CE / RoHS	
LED Brand	Lumileds, Luminus	
Driver Brand	Moso, uPowerTek, Sosen, Powerland	
Structure	Die-casting High Thermal Conductivity AL	
Finish	Powder Coated	
Lens	Polycarbonate	
Color	Gray	

Photometric Diagrams

30°   45°

Parameters

447mm (17.60")   409mm (16.10)   408mm (16.06")
278mm (10.94)

Watt: 300W/ 400W/ 500W
EPA: Front: 1.28 ft², Side: 0.85 ft²
CTN: 490*450*325mm (19.29*17.72*12.80in)
N. W (±0.5): 9.5kg (20.94 lbs)

447mm (17.60")   409mm (16.10)   408mm (16.06")
278mm (10.94)
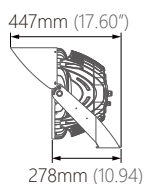
Watt: 600W
EPA: Front: 1.28 ft², Side: 0.85 ft²
CTN: 490*450*340mm (19.29*17.72*13.39in)
N. W (±0.5): 10.8kg (23.81 lbs)

SP9.5

SP9.5 LED sports light series offers a comprehensive lighting solution for stadiums.

IP66 Wet Location | **IK08** Rating | **5YEAR** WARRANTY

The anti-glare grille and visors ensure high-quality lighting. The optoelectrical separation design reduces material costs and prevents heat interference with the driver, ensuring efficient operation. A user-friendly structural design allows for easy installation, enhances safety in high-altitude operations, and reduces labor costs.
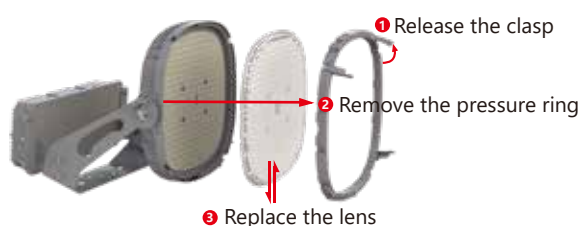
680W/ 750W/ 800W

300W/ 400W/ 500W/ 600W

Quick Lens Replacement

The SP9.5 features a built-in latch design, allowing for quick and easy lens replacement.
This helps distributors and agents streamline inventory management and reduce stock pressure.

❶ Release the clasp
❷ Remove the pressure ring
❸ Replace the lens

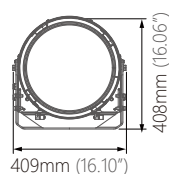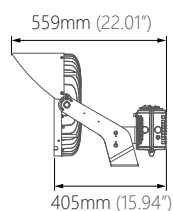# 3-in-1 Wattage Selectable

M: 680W-750W-800W

S: 300W-400W-500W
S1: 400W-500W-600W

SPECIFICATIONS

Model No.	HD-SP9.5-S-300W/ 400W/ 500W	HD-SP9.5-S1-600W	HD-SP9.5-M-600W/ 680W/ 750W/ 800W
Wattage	300W/ 400W/ 500W	600W	680W/ 750W/ 800W
Wattage Selectable	300W-400W-500W	400W-500W-600W	680W-750W-800W
Light Efficiency	150Lm/W-160Lm/W	150Lm/W	150Lm/W-160Lm/W
Lumen Flux (@5700K) (±10%)	48,000Lm-75,000Lm	60,000Lm-90,000Lm	108,800Lm-120,000Lm
Beam Angle	20° / 30° / 45° / 60°	20° / 30° / 45° / 60°	15° / 20° / 30° / 40° / 60°
CCT	3000K/ 4000K/ 5000K/ 5700K, RGB/ RGBW Optional		
CRI	70, (80, 90, TLCI>90 Optional)		
SDCM	≤5		
Input Voltage	AC100-277V / AC200-480V		
Power Factor	≥0.95		
THD	<15%		
Percent Flicker (%)	<3%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP66		
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)		
Intelligent Control	0-10V Dimming / PWM / DALI / DMX / Synapse		
Warranty	5 Years, 7 Years Optional		
Certificate	UL / CUL / FCC / DLC		
LED Brand	Samsung, Lumileds, Luminus		
Driver Brand	Moso, Inventronics, Sosen, uPowerTek, Powerland		
Structure	Die-Casting / High Thermal Conductivity AL		
Finish	Powder Coated		
Lens	Polycarbonate		
Color	Gray		

Parameters

559mm (22.01")
408mm (16.06")
405mm (15.94")
409mm (16.10")

747mm (29.41")
451mm (17.76")
474mm (18.66")
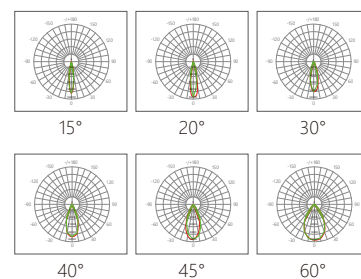505mm (19.88")

Watt: 300W/ 400W/ 500W/ 600W
EPA: Front: 1.28 ft², Side: 0.63 ft²
CTN: 610*450*325mm (24*17.7*12.8in)
N. W: 7.7kg (16.98)
(±0.5) 600W: 8.5kg (600W: 18.74 lbs)
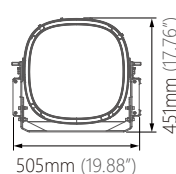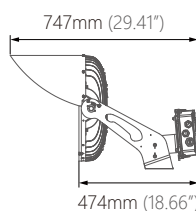
Watt: 680W/ 750W/ 800W
EPA: Front: 1.92 ft², Side: 0.8 ft²
CTN: 675*540*300mm (26.57*21.26*11.81in)
N. W: 13kg (28.66 lbs)
(±0.5)

Photometric Diagrams

15°
20°
30°
40°
45°
60°

UL LISTED cULus | DLC DLC QPL LISTED | UL | CE | RoHS

SP9.5

SP9.5 is a LED stadium light with easily replaceable lens, which can helps the distributors and agents to streamlining inventory management.

IP66 Wet Location | IK08 Rating | 5YEAR WARRANTY

SP9.5 is an ultra-high-performance stadium light that can quickly change lenses which features 3-in-1 wattage and 3-in-1 adjustable beam angle sports lighting solutions. Designed with U-bracket and SF bracket installation options, it can accommodate virtually any installation environment, making it suitable for large sports arenas, tall buildings, airport aprons, port docks, bridges, squares, and more.
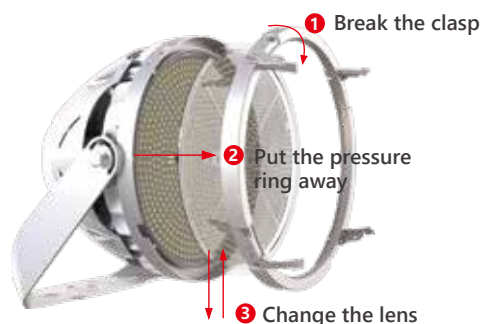

300W/ 400W/ 500W/ 600W
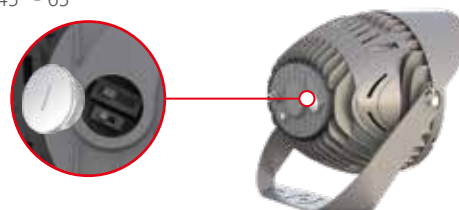
Quick Lens Replacement

SP9.5 incorporates a latch design in its structure, enabling convenient and rapid lens replacement. This benefits distributors and agents by facilitating inventory management and lowering stock pressure.
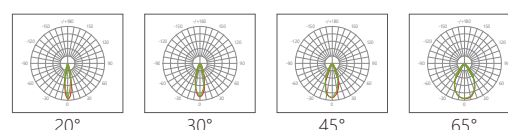
❶ Break the clasp

❷ Put the pressure ring away

❸ Change the lens

3-in-1 Wattage and Beam Selectable

300W-400W-500W, 400W-500W-600W
30° - 45° - 65°

Photometric Diagrams

| 20° | 30° | 45° | 65° |

SPECIFICATIONS

Model No.	HD-SP9.5-300W/ 400W/ 500W	HD-SP9.5-600W
Wattage	300W/ 400W/ 500W	600W
Selectable Wattage	300W-400W-500W	400W-500W-600W
Light Efficiency	150Lm/W-160Lm/W	150Lm/W-160Lm/W
Lumen Flux (@5700K) (±10%)	48,000Lm-75,000Lm	64,000Lm-90,000Lm
Beam Angle	20° / 30° / 45° / 60°	Selectable: 30° - 45° - 65°
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K	
CRI	70	
SDCM	≤5	
Input Voltage	AC100-277V / AC200-480V	
Power Factor	≥0.90	
THD	<15%	
Surge Protection	10KV	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)	
Intelligent Control	0-10V Dimming / PWM / DALI / DMX / Synapse	
Warranty	5 Years, 7 Years Optional	
Certificate	CE / UL / CUL / DLC / RoHS	
LED Brand	Lumileds, Luminus	
Driver Brand	Moso, uPowerTek, Sosen, Powerland	
Structure	Die-Casting / High Thermal Conductivity AL	
Finish	Powder Coated	
Lens	Polycarbonate	
Color	Gray	

Parameters

447mm (17.60")   409mm (16.10")   408mm (16.06")   293mm (11.54")

Watt: 300W/ 400W/ 500W
EPA: Front: 1.28 ft², Side: 0.7 ft²
CTN: 490*450*340mm (19.29*17.72*13.39in)
N. W (±0.5) : 10.3kg (22.71 lbs)

447mm (17.60")   409mm (16.10")   408mm (16.06")   293mm (11.54")
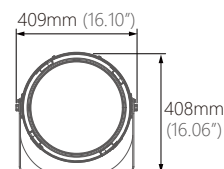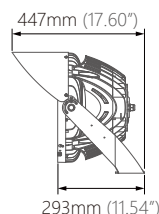
Watt: 600W
EPA: Front: 1.28 ft², Side: 0.7 ft²
CTN: 490*450*370mm (19.29*17.72*14.57in)
N. W (±0.5) : 11.6kg (25.57 lbs)

SP06

LED sports light series which widely used in stadium, sports field, high mast lighting, light tower, ports...

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR WARRANTY**

SP06 is a round stadium light with highly cost-effective. The illumination of sports fields is crucial to their design and construction. It not only ensures the smooth running of games but also enhances the safety and comfort of both players and spectators. The power range covers 300W-1200W, SP06 is widely used in stadiums, sports fields, high mast lighting, light towers, and ports. No Flicker, Ra90 & TLCI 90, it also suitable for the high-definition broadcast of the arena. With die-casting fin heat sinks, increased heat dissipation and a longer life span of SP06 series sports lighting. Design integral structure water-proof may guarantee waterproofing stability effectively. The precision aiming device will assist in precisely aligning the light to the aiming point. The visor is specially designed to control the lighting direction effectively, improve glare, and reduce the light impact on the residential during the application.
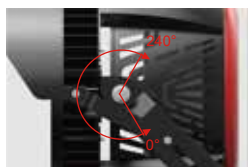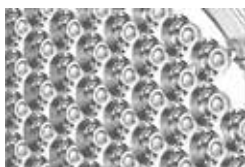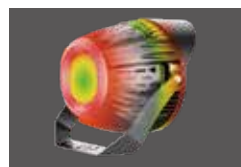
750W/ 800/ 1000W/ 1200W
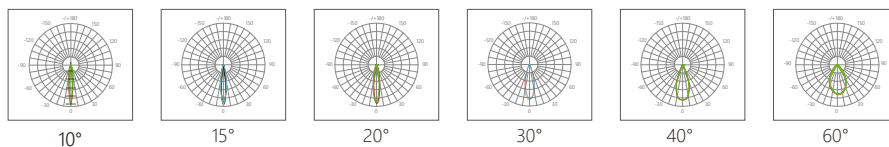
300W/ 400W/ 500W/ 600W

Design for High Reliability

Corrosion-proof

Up and down adjustable angle 0°-240°.

No glare, multi-angle 30°-60° optional

Good heat dissipation and longe lifespan

SPECIFICATIONS

Model No.	HS-SP06-300W/ 400W/ 500W/ 600W	HS-SP06-750W/800W/ 1000W/ 1200W
Wattage	300W/ 400W/ 500W/ 600W	750W/ 800W/ 1000W/ 1200W
Light Efficiency	150Lm/W	145Lm/W-150Lm/W
Lumen Flux (@5700K) (±10%)	45,000Lm/ 60,000Lm/ 75,000Lm/90,000Lm	112,500Lm/ 145,000Lm/ 174,000Lm
Beam Angle	15°/ 30°/ 40°/ 60°	10°/ 15°/ 20°/ 30°/ 40°
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K	
CRI	≥70 (80, 90, TLCI 90 Optional)	
SDCM	≤5	
Input Voltage	AC100-277V / AC200-480V	
Power Factor	≥0.95	
THD	<20%	
Surge Protection	10KV	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)	
Intelligent Control	0-10V / 1-10V Dimming / PWM / DALI / DMX	
Warranty	5 Years, 7 Years Optional	
Certificate	CE / CB / UL / CUL / DLC / RoHS	
LED Brand	Lumileds, Osram (15°)	Lumileds, Osram, Samsung
Driver Brand	Inventronics	
Structure	Die-Casting / High Thermal Conductivity AL	
Finish	Powder Coated	
Lens	Polycarbonate	
Color	Black	

Photometric Diagrams

10° 15° 20° 30° 40° 60°

Parameters

421mm (16.57") 403mm (15.87") 402mm (15.75") 275mm (10.83")

646mm (25.43") 540mm (21.26") 506mm (19.92") 327mm (12.87")

Watt: 300W/ 400W/ 500W/ 600W
EPA: 0.98 ft²
CTN: 450*450*335mm (17.72*17.72*13.19in)
N. W (±0.5): 300-500W: 12.5kg (27.6 lbs), 600W: 15kg (33.1 lbs)

Watt: 750W/ 800W/ 1000W/ 1200W
EPA: 1.53ft²
CTN: 620*570*425mm (24.41*22.44*16.73in)
N. W (±0.5): 750-1000W: 23kg (50.7 lbs), 1250W: 30.6kg (67.5 lbs)

SP02

Cost-effective LED sports light series. Suitable for Sports & recreational fields, Large-scale outdoor events, Industrial and construction sites, Parking lots and garages, Crane lighting, Security & outdoor surveillance.

IP66 Wet Location | **IK08** Rating | ✔ **5YEAR** WARRANTY

c(UL)us LISTED | DLC | (UL) | FC | ⚠ TÜVRheinland® | **RoHS**

HD's LED round sports lights offer remarkable cost savings and stand as one of China's top-selling exported sports lighting solutions. The fixture boasts a heat sink crafted through a cold forging technology, which facilitates rapid heat conduction, ensuring highly effective heat dissipation. The high permeability lens made a higher light efficiency while minimizing light loss. Multi-sided optical design reduces glare and controls light uniformity. This can help enhance the performance and efficiency of the sports light. Both LEDs and the driver have a separate design that does not interfere with each other. Distance between the heat sink and the driver (110mm) ensures the driver away from the heatsink heat effects. This can be critical in maintaining the lifespan and reliability of the driver and reducing light attenuation. The SP02 model introduces an integrated structure with an IP66 waterproof rating, ensuring the consistency of waterproofing capability. Suitable for a wide range of indoor and outdoor applications.

750W/ 800W/1000W/ 1200W
**Wattage Selectable:** 800W-1000W-1200W

300W/ 400W/ 500W
**Wattage Selectable:** 300W-400W-500W

Friendly Structural Design

Our engineers have professional experience in case practice, designing an U-bracket to help it easy to install and maintain. Angle adjustment structure to help the light rotate 0-240° horizontally and 0-200° vertically, which can use more flexible for the use of large professional stadiums.

Rotate 0-240° Horizontally

Rotate 0-200° Vertically
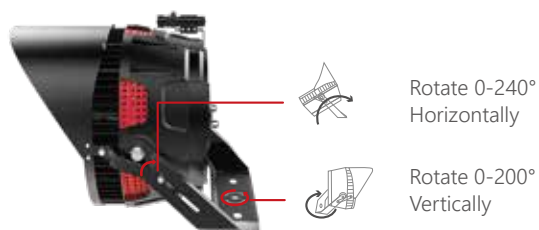
Super Heat Management

Both LEDs and the driver has a separate heat sink that does not interfere with each other. Distance between the heat sink andthe driver (110mm) ensures the driver away from the heatsink heat effects. This can be critical in maintaining the lifespan and reliability of the high-power driver and reducing light attenuation.
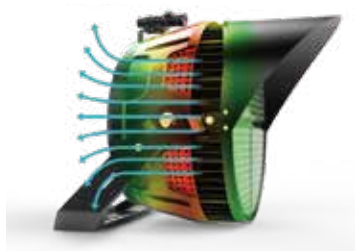
No Electrical Interference

Design a state-of-the-art circuit system that works harmoniously with other systems, while generating ultra-low EMI noise and minimizing electrical interference.

SSD for LED Chips

Solid State Design" (SSD) for LED chips is simple, durable, and reliable. It makes easier manufacturing processes, lower manufacturing costs, and increased efficiency. The absence of non-removable components in a solid-state LED design reduces the likelihood of failure due to component degradation or damage. Without external connectors or wires that could fail, the LED chip becomes more reliable, minimizing the need for replacements or repairs.

High Light Efficiency 145Lm/W, 150Lm/W Optional

The light efficiency has 145 Lm/W and 150 Lm/W optional, which makes the SP02 integrated high-power sports lights can cater to different lighting projects and provide customers with the ability to choose the most appropriate light efficiency based on their specific needs and priorities.

Laser Sight Helps to Precision Aiming

Visor to Trim The Excess Upward Light

PC Lens makes the light uniformity even and reduces glare

Heat Sink

U-Bracket makes installation more convenient and easier

3-in-1 Power Adjustable
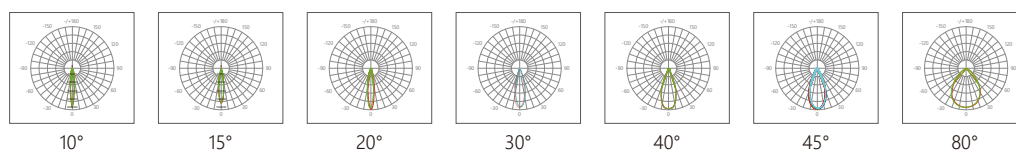
S: 300W-400W-500W
L: 800W-1000W-1200W

Classic round sports lighting solutions, applicable to professional-level or even in FIFA sports courts, civil training grounds, airports, docks, and other large places.
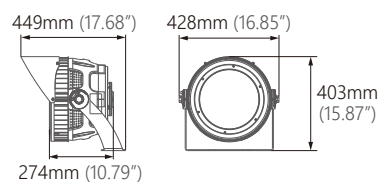
SPECIFICATIONS

Model No.	HL-SP02-300W/ 400W/ 500W		HL-SP02-750W/ 800W/ 1000W/ 1200W	
Wattage	300W/ 400W/ 500W		750W/ 800W/ 1000W/ 1200W	
	300W-400W-500W Selectable Optional		800W-1000W-1200W Selectable Optional	
Light Efficiency	145Lm/W-150Lm/W		145Lm/W-150Lm/W	
Lumen Flux (@5700K) (±10%)	45,000Lm-72,500Lm		112,500Lm-174,000Lm	
Beam Angle	30°/ 45°/ 80°		10°/ 15°/ 20°/ 30°/ 40°	
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K, RGB/ RGBW Optional			
CRI	≥80 / ≥70 (15°)		≥70	
SDCM	≤5			
Input Voltage	AC100-277V / AC200-480V / AC277-480V		AC100-277V / AC200-480V	
Power Factor	≥0.95			
THD	<20%			
Surge Protection	10KV			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)			
Intelligent Control	0-10V/ 1-10V Dimming, PWM, DALI, DMX		0-10V/ 1-10V, DALI, DMX	
Warranty	5 Years, 7 Years Optional			
Certificate	UL / CUL / DLC / FCC / TUV / RoHS			
LED Brand	Lumileds, Osram		Samsung, Lumileds, Osram	
Driver Brand	Sosen, Inventronics			
Structure	Cold-forging / High Thermal Conductivity AL			
Finish	Powder Coated			
Lens	Polycarbonate			
Color	Black			

Photometric Diagrams

| 10° | 15° | 20° | 30° | 40° | 45° | 80° |

Parameters

449mm (17.68")   428mm (16.85")
403mm (15.87")
274mm (10.79")

615mm (24.21")   548mm (21.57")
475mm (18.70")
299mm (11.77")

Watt: 300W/ 400W/ 500W, 300W-400W-500W (Selectable)
EPA: With Visor: 0.97 ft², Without Visor: 0.85 ft²
CTN: 450*450*355mm (17.72*17.72*13.98in)
N. W (±0.5): 300W: 14kg (31 lbs), 400W-500W: 14.8kg (32.6 lbs)
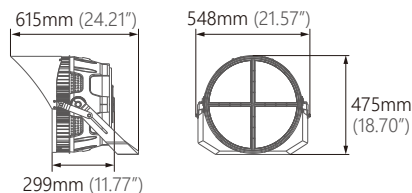
Watt: 750W/ 800W/ 1000W/ 1200W, 800W-1000W-1200W (Selectable)
EPA: With Visor: 1.42 ft², Without Visor: 1.23 ft²
CTN: 620*570*415mm (24.41*22.44*16.34in)
N. W (±0.5): 750W-1000W: 25.3kg (55.8 lbs), 1200W: 27.3kg (59.5 lbs)

Mounting Options

300W-500W
Trunnion Mount Kit

750W-1200W
WIFI intelligent dimming

LED SPORTS LIGHT
(SQUARE)

CE CB EAC RoHS

FL35

FL35 is an epoch-making solution for a wide range of LED sports lighting applications.

IP66 Wet Location | IK10 Rating | 5 YEAR WARRANTY

The product is available in lens and glass+lens options to adapt to more harsh environments.The FL35 has a maximum luminous efficacy of 170LM/W, especially suitable for new sports stadiums, large outdoor plazas, indoor plazas, harbors, etc. The 1800W glass model is only 23.5kg, which is lightweight and conducive to quick installation by after-sales maintenance personnel. The special process of one-piece molding heat sink, heat dissipation area of 345mm²/g, superior heat dissipation performance, increase the use of product life.

1260W/ 1560W/ 1650W/ 1800W

Integrated Lens and Heat Sink Design

The product features an integrated lens and heat sink design, ensuring that all components are tightly connected, providing excellent overall performance and stability. Its simple yet elegant appearance not only showcases a modern design aesthetic but also effectively optimizes the structural layout, making it more robust and durable.

Without Visor   With Visor   With Louver

Lens Lighting Optional Solutions

The maximum luminous efficacy of FL35 is 165LM/W, especially suitable for new stadiums, large outdoor plazas, indoor plazas, harbors, etc. FL35 has two optional solutions, lens and glass + lens, lens plus glass can be applied to more severe environments, effective dust and corrosion protection, to ensure that the fixtures work for a long time with stable performance.

Lens   Glass+Lens (Optional)

Pure Aluminum Heat Sink

Featuring a pure aluminum heat sink with excellent thermal conductivity, the design effectively dissipates heat generated by the high-power light during operation. This ensures stable performance even during long hours of high-intensity use. The efficient heat dissipation significantly reduces light decay, thereby extending the lifespan of the light.
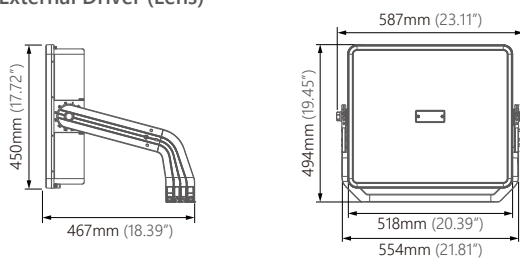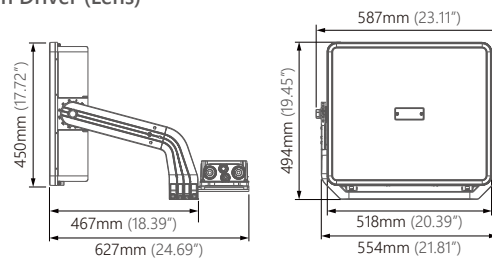
Aluminum Alloy Mounting Bracket

The product's mounting bracket is made of aluminum alloy, making it lightweight yet sturdy. Its excellent corrosion resistance allows it to withstand harsh environments, such as moisture and salt, ensuring the long-term stability and durability of the light fixture.
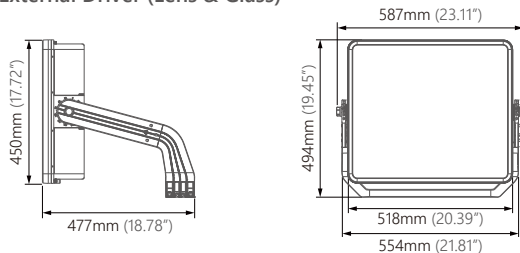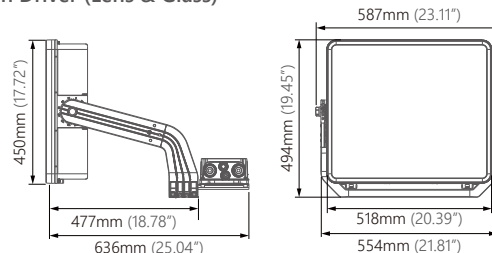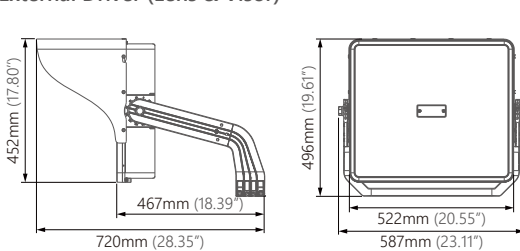
Parameters (mm/ in)

External Driver (Lens)

450mm (17.72")
467mm (18.39")
587mm (23.11")
494mm (19.45")
518mm (20.39")
554mm (21.81")

Built-in Driver (Lens)

450mm (17.72")
467mm (18.39")
627mm (24.69")
587mm (23.11")
494mm (19.45")
518mm (20.39")
554mm (21.81")

External Driver (Lens & Glass)

450mm (17.72")
477mm (18.78")
587mm (23.11")
494mm (19.45")
518mm (20.39")
554mm (21.81")

Built-in Driver (Lens & Glass)

450mm (17.72")
477mm (18.78")
636mm (25.04")
587mm (23.11")
494mm (19.45")
518mm (20.39")
554mm (21.81")

External Driver (Lens & Visor)

452mm (17.80")
467mm (18.39")
720mm (28.35")
496mm (19.61")
522mm (20.55")
587mm (23.11")

Built-in Driver (Lens & Visor)

452mm (17.80")
467mm (18.39")
627mm (24.69")
880mm (34.65")
496mm (19.61")
522mm (20.55")
587mm (23.11")

External Driver (Lens+Glass & Louver)

454mm (17.87")
565mm (22.24")
496mm (19.61")
522mm (20.55")
587mm (23.11")

Built-in Driver (Lens+Glass & Louver)

454mm (17.87")
565mm (22.24")
725mm (28.54")
496mm (19.61")
522mm (20.55")
587mm (23.11")
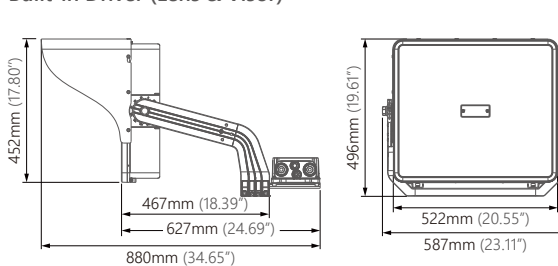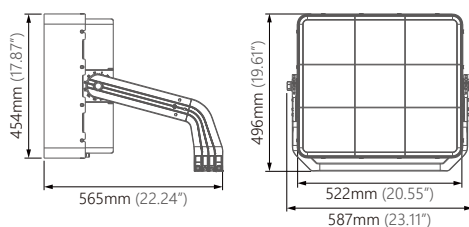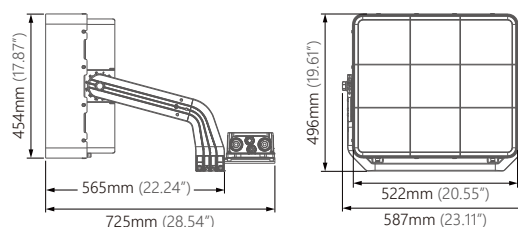
Watt: 1260W/ 1560W/ 1650W/ 1800W
EPA: 3.0 ft²
CTN: 755*615*270mm (29.72*24.21*10.63in)
N. W (±0.5) : 20.5kg/ With Visor (45.19 lbs), 23.5kg/ With Glass (51.81 lbs)

Photometric Diagrams

11°	15°	17°	24°	40°	NB-P60°
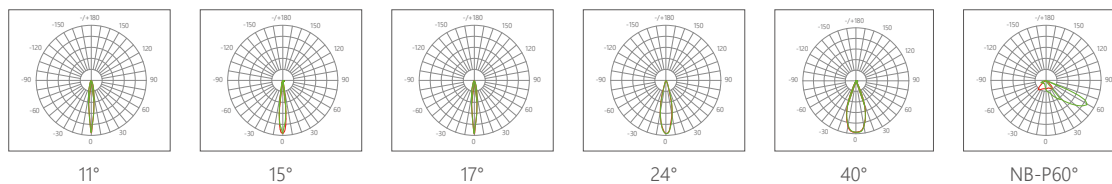
❶ Visor

Visor Helps to Accurate Light Control, Dramatically reduces glare and spill.

❷ Precision Aiming

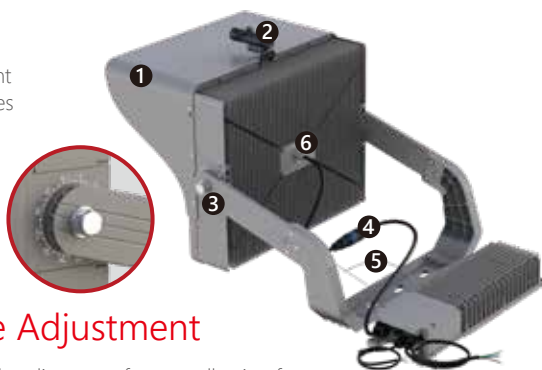The precision aiming device will assist in precisely aligning the light to the aiming point, which makes your work much easier and highly efficient.

❸ Scaled Angle Adjustment

Equipped with a scaled angle adjustment feature, allowing for more precise adjustment and recording of the light fixture's angle, significantly improving the efficiency and convenience of installing multiple fixtures.

❹ Power Cable

Installation is labor-saving and efficient, and quick disconnect safety facilitates driver box maintenance.

❺ Safety Rope

The safety line is equipped to help improve the high altitude installation coefficient, to prevent the lamps and lanterns from falling off during the installation process or long-term use to reduce the safety hazards.

❻ Built-in Junction Box

The product comes with a built-in junction box, simplifying the wiring process and ensuring a safe and quick connection. Users can easily complete the installation, reducing time and costs while improving the overall neatness and safety of the installation, making it suitable for various complex environments.

SPECIFICATIONS

Model No.	HD-FL35-1260W	HD-FL35-1560W	HD-FL35-1650W	HD-FL35-1800W
Wattage	1260W	1560W	1650W	1800W
Light Efficiency (Lens @5700K)	155Lm/W @11°/ Ra70 170Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 150Lm/W @NB-P60°/ Ra70	150Lm/W @11°/ Ra70 168Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 145Lm/W @NB-P60°/ Ra70	148Lm/W @11°/ Ra70 165Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 140Lm/W @NB-P60°/ Ra70	145Lm/W @11°/ Ra70 160Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 135Lm/W @NB-P60°/ Ra70
Light Efficiency (Lens & Glass @5700K)	147Lm/W @11°/ Ra70 167Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 145Lm/W @NB-P60°/ Ra70	143Lm/W @11°/ Ra70 164Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 140Lm/W @NB-P60°/ Ra70	140Lm/W @11°/ Ra70 160Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 135Lm/W @NB-P60°/ Ra70	Inapplicable
Lumen Flux (Lens @5700K) (10%) 1800W	261,000Lm (Ra70 11°), 288,000Lm (Ra70 15°/ 17°/ 24°/ 40°), 243,000Lm (Ra70 NB-P60°)			
Lumen Flux (Lens & Glass @5700K) (10%) 1650W	231,000Lm (Ra70 11°), 264,000Lm (Ra70 15°/ 17°/ 24°/ 40°), 222,750Lm (Ra70 NB-P60°)			
CCT (Standards)	3000K/ 4000K/ 5000K/ 5700K			
Beam Angle	11° / 15° / 17° / 24° / 40° / NB-P60°			
CRI	70 , 80, 90, TLCI 90 Optional			
SDCM	≤6			
Input Voltage	AC 200-480V 50/ 60Hz			
Power Factor	≥0.95			
THD	≤15%			
Percent Flicker (%)	<1%			
Surge Protection	10KV			
Protection Against Electric	Class I			
IP	IP66			
IK	IK10 (Lens), IK08 (Glass)			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Intelligent Control	0-10V, DMX, DALI			
Lifetime	100,000H (L90B50 @25°C) / (L90B50 @77°F)			
Warranty	5 Years			
Certificate	CE / CB / ENEC / RoHS			
LED Brand	Bridgleux, CREE			
Driver Brand	Powerland, Inventronics			
Structure	Skiving Aluminium / ADC12			
Finish	Powder Coated			
Cover	PC/ PC+Glass			
Color	Silver Gray (RAL9006)			

FL26

FL26 LED Flood Light Replace The Lens Quickly.

IP66 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

CE CB UL DLC QPL LISTED RoHS

FL26 LED Flood light is a premier choice for professional Flood lighting in expansive outdoor venues, catering to diverse fields including football, golf, baseball, tennis, swimming, volleyball, and even extending to specialized locations like ski resorts, airports, ports, and parking lots. With a rich history of successful project implementations and leveraging cutting-edge technology developed by our team of engineers, FL26 excels in both performance and efficiency, surpassing conventional Flood lighting solutions in user-friendliness and cost-effectiveness.

600W/ 700W/ 800W   1400W/ 1500W/ 1600W

Small Size, Light Weight Helps to Ensure Small Wind Resistance

Weight is only 17.97 kg (without Visor), and small size, EPA value of the lower side is only 1.57 ft² with Visor. These make the packaging sizes small, reducing the packaging space and transportation costs.

3-IN-1 Wattage Selectable

3-in-1 power adjustable 1400W-1500W-1600W and 600W-700W-800W to meet the different markets.

Photocell Available

Added NEMA sensor connector compared to the usual stadium flood lights, 3/5/7pin light sensitivity can be matched, the customers can choose flexibly according to the selection application.

Quick Lens Replacement, Helps to Keep the Inventory Healthy.

Employing a snap-on structure without tools and screws, the cover can be swiftly detached, and the lens promptly replaced. This feature aids distributors and agents in streamlining inventory management and alleviating stock pressures.

Break the buckle

Open the cover

Replace the lens
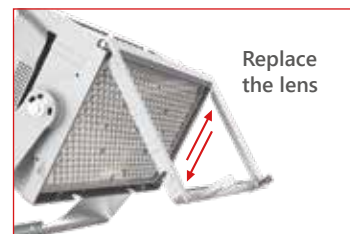
# ❶ Humanized Handle Design, Easy to Install and Handling

Behind the heat sink of the FL26 sports light, is designed with a handle that conforms to the ergonomic palm, this makes the light more convenient to install and handle and enhances the simplicity and convenience of installing.
It is also worker-friendly and improves safety for high-altitude installations.

❷ Easy External Wiring

Design an external junction box that incorporates a reserved wiring position along with a waterproof male-female joint. This can simplify the installation process and save precious time. Also, the wiring box ensures convenient operation and provides a secure and waterproof connection, ensuring the durability and reliability of the lighting system.

❹ Visor from Experience
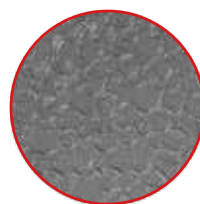
The visor is designed to trim the excess upward light for excellent control of spill light and limitation of glare.
The Visor has a built-in reflection structure, making less light loss, and good light uniformity.

❸ U-bracket installation is easy, safe and reliable.

The U-shaped bracket is easy to install, the angle adjustment is flexible and labor-saving, and the nut fixing has high strength to withstand outdoor wind pressure, ensuring stability and reliability.
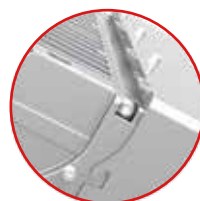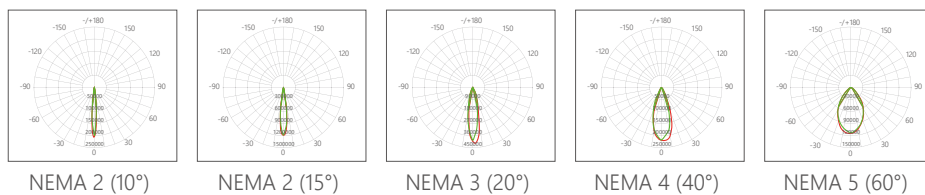
The Visor is fixed by two screws and a U-shaped slot, which reduces the time cost of assembly and makes the operation more convenient.
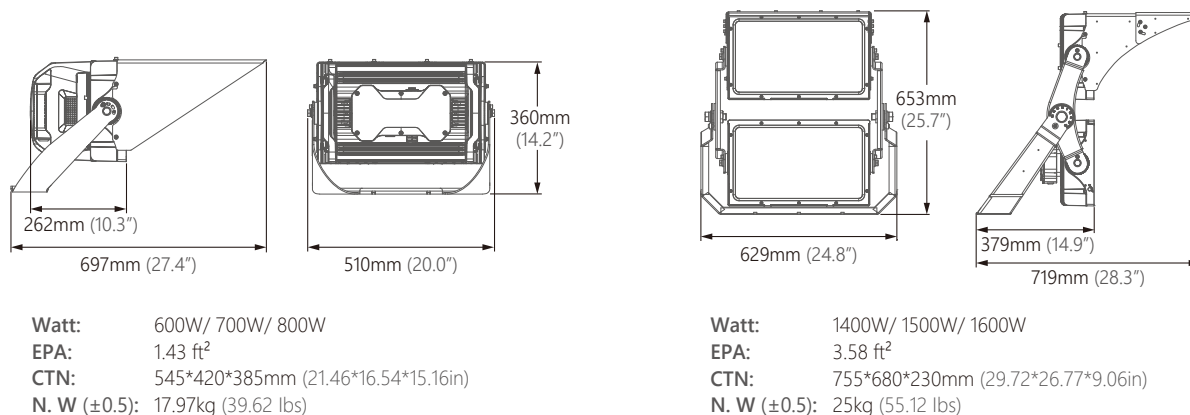Installing and adjusting the visor is safer and labor-saving.

SPECIFICATIONS

Model No.	HD-FL26-600W/ 700W/ 800W	HD-FL26-1400W/ 1500W/ 1600W
Wattage	600W/ 700W/ 800W	1400W/ 1500W/ 1600W
Light Efficiency	150Lm/W @5700K Ra70 (10°/ 15°), 160Lm/W @5700K Ra70 (20°/ 40°/ 60°)	150Lm/W @5700K/ Ra70
Lumen Output	90,000Lm-128,000Lm	210,000Lm-240,000Lm
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K/ 6500K	
Beam Angle	NEMA 2/ 3/ 4/ 5 (10° / 15° / 20° / 40° / 60°)	
CRI	70/ 80/ 90/ TLCI 90 (Optional)	
SDCM	≤5	
Input Voltage	100-277VAC / 200-480VAC 50/60Hz	
Power Factor	≥0.95	
THD	≤15%	
Percent Flicker (%)	<1%	
Surge Protection	10KV/ 20KV	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Intelligent Control	0~10V, DALI, DMX	
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)	
Warranty	5 Years, 7 Years Optional	
Certificate	CE / CB / UL / DLC / ENEC / RoHS	
LED Brand	Bridgelux, OSRAM, Samsung	
Driver Brand	Inventronics, uPowerTek, Powerland, Moso	
Structure	Die-casting	
Finish	Powder Coated	
Cover	Polycarbonate / PC+Glass	
Color	Gray	

Photometric Diagrams

NEMA 2 (10°)   NEMA 2 (15°)   NEMA 3 (20°)   NEMA 4 (40°)   NEMA 5 (60°)

Parameters

262mm (10.3")
697mm (27.4")
510mm (20.0")
360mm (14.2")

629mm (24.8")
653mm (25.7")
379mm (14.9")
719mm (28.3")

Watt: 600W/ 700W/ 800W
EPA: 1.43 ft²
CTN: 545*420*385mm (21.46*16.54*15.16in)
N. W (±0.5): 17.97kg (39.62 lbs)

Watt: 1400W/ 1500W/ 1600W
EPA: 3.58 ft²
CTN: 755*680*230mm (29.72*26.77*9.06in)
N. W (±0.5): 25kg (55.12 lbs)

Marvel X (FL19)

The Marvel X provides perfect sports lighting solutions whose wattage can be adjusted from 600W-700W-800W, especially friendly for new stadiums. Also, Marvel X can be compatible with the wiring and electrical requirements of the current main street, which makes it can 1:1 replacement for the HID.

IP66 Wet Location | **IK10** Rating | **5YEAR** WARRANTY

c(UL)us LISTED | (UL) | DLC QPL LISTED ™ | CE | CB | EK | RoHS

800W Marvel X ONLY 17.2kg, 15% -20% lighter than the same power output sports light in the industry. Lighter equipment can improve mobility reduce set-up and take-down times, and make it to facilitate the installation of workers. HD's engineers took into account the installation process of the lights and developed innovative structures to enhance worker comfort and safety. This focus on ergonomic design can lead to improved efficiency during installation, ultimately saving time and costs.
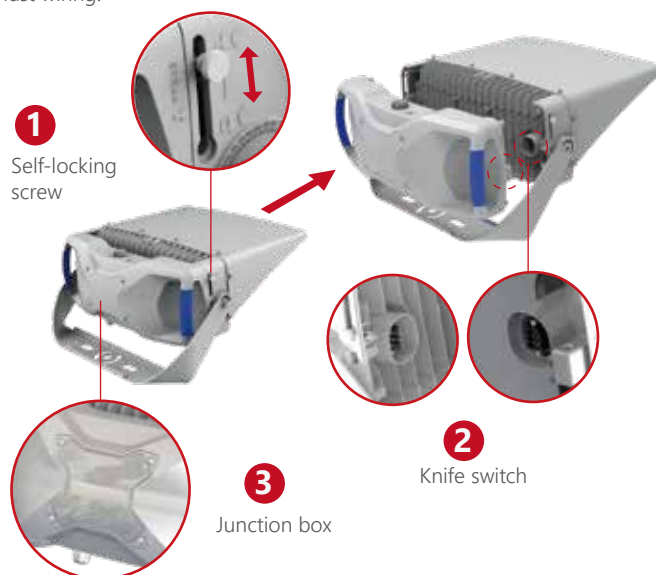
Wattage Tunable: 600W-700W-800W

High Efficiency & Low Cost

❶ The powerbox and the heat sink components have separable designs, through the self-locking screw, they can be assembled and disassembled quickly. This reduces downtime & saves costs in future maintenance and upgrading.

❷ When the high altitude maintenance of Marvel X, the power box is separated from the lamp body, a knife switch cuts power automatically immediately， this provides safety for workers.

❸ PowerBox is also a junction box that can be convenient and fast wiring.

1

Self-locking screw

3

Junction box

**2**

Knife switch

Excellent Heat Dissipation

The vents help the air convection to dissipate heat. A high thermal conductivity aluminum heat sink can quickly spread out the heat. So the low junction temperature during high power operation has ensured a long life and stable performance of LEDs.

Surface Treatment

Corrosion-resistant surface treatment is applicable to the air environment in more harsh areas.

4 Visors for Your Choose

Multiple visor lengths and reflector options allow for precise light control.

Short Visor

Regular Visor

Long Visor

Louver
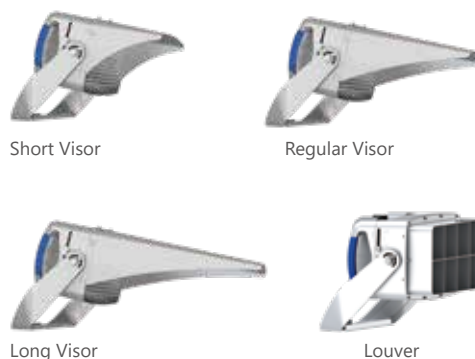
Visor Helps to Accurate Light Control

● Directs more light onto the field.
● Dramatically reduces glare and spill.
● Enhance on-field playability.

PC Lens

High-temperature-rated and high transmittance lens materials for less light loss and a long span life, multiple beams spreads to meet custom project requirements, and provide maximum light control.
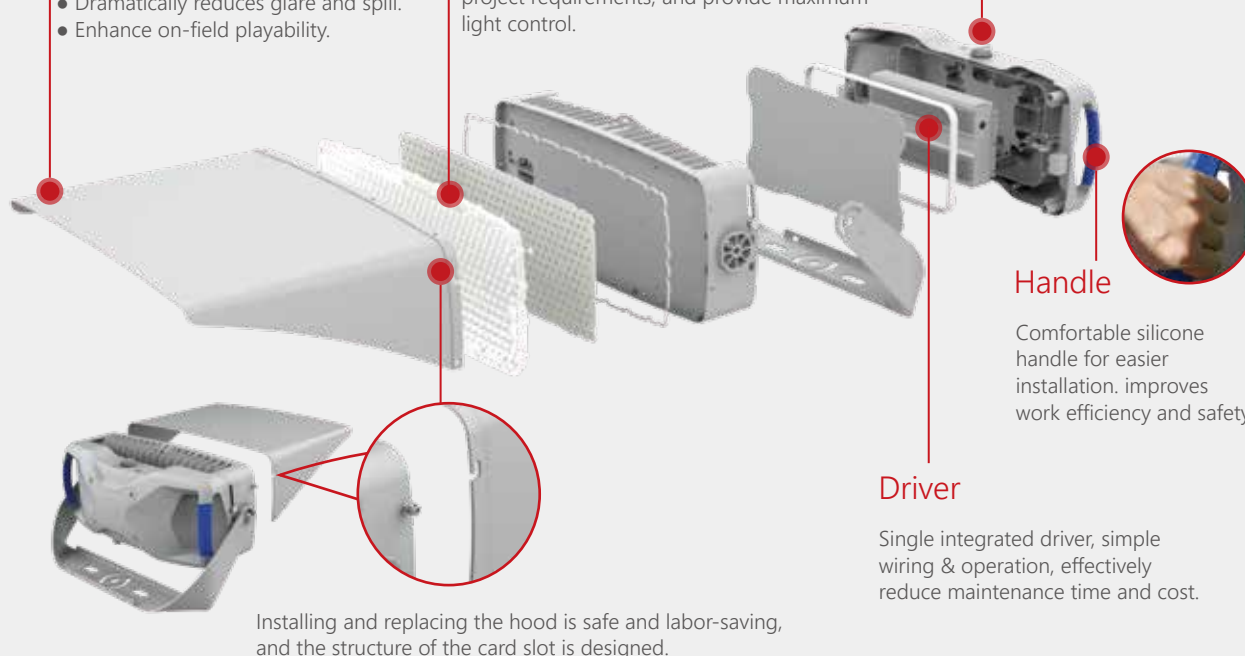
Sensor Interfaces

DMX, Zhaga, DALI, 0-10V Dimming Optional.

Handle

Comfortable silicone handle for easier installation. improves work efficiency and safety.

Driver

Single integrated driver, simple wiring & operation, effectively reduce maintenance time and cost.

Installing and replacing the hood is safe and labor-saving, and the structure of the card slot is designed.

Help to Keep Inventory Healthy

Only 288*620*340mm and 17.2kg without visor, compact size, and Light weight save freight cost and easy installation. Package size is only 655*470*325mm, which makes less shipping cost and more benefits Perfect choice for a distributor or wholesaler stock.

 Quick shipment of required product

 Elimination of dead stock

 Less blockage of funds
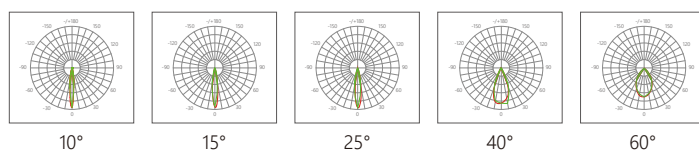
 Less storage space required
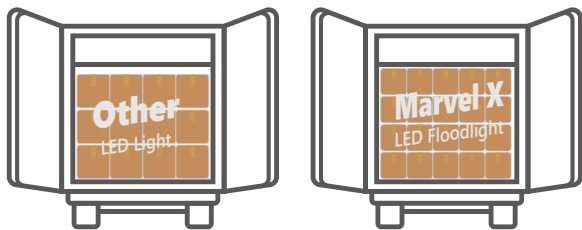
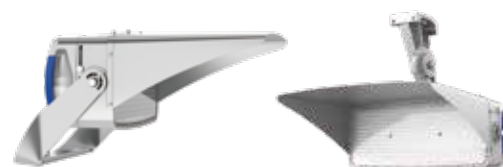## Wattage Can Be Adjusted from 600W-700W-800W

SPECIFICATIONS

Model No.	HD-FL19-800W
Wattage Selectable	600W-700W-800W
Light Efficiency (@Ra70 5700K)	150Lm/W (10°, 25°, 40°, 60°), 160Lm/W (15°)
Lumen Flux (@5700K) (±10%)	90,000Lm-128, 000Lm
Beam Angle	10° / 15° / 25° / 40° / 60°
CCT	3000K/ 4000K/ 5000K/ 5700K
CRI	70, 80, 90, TLCI 90 Optional
SDCM	≤6
Input Voltage	AC120-277V / AC200-480V
Power Factor	≥0.95
THD	<20%
Surge Protection	10KV / 20KV Optional
Protection Against Electric	Class I
IP	IP66
IK	IK10
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor
Lifetime	70,000H (L80B50 @25°C) / 70,000H (L80B50 @77°F)
Intelligent Control	0-10V, DMX, DALI, Synapse
Warranty	5 Years, 7 Years Optional
Certificate	UL / CUL / DLC / CE / CB / ENEC / RoHS
LED Brand	Bridgelux, Osram
Driver Brand	uPowerTek, Inventronics, Powerland
Structure	Die-casting / High Thermal Conductivity AL
Finish	Powder Coated
Lens	Polycarbonate
Color	Gray

Photometric Diagrams

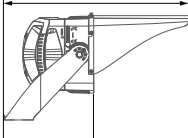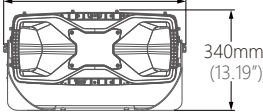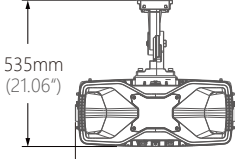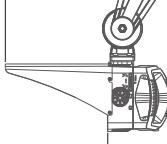10° 15° 25° 40° 60°

Mounting (options)

U-Bracket Mounting
Top Arm Mounting (optional)

Parameters

Short: 491mm (19.33")
Regular: 660mm (25.98")
Long: 796mm (31.34")

620mm (24.41")

340mm (13.19")

288mm (11.34")

Watt: 800W
EPA: Without Visor: 1.78 ft² , With Short Visor: 3.14 ft²
With Regular Visor: 4.39 ft² , With Long Visor: 5.63 ft²
With Louver: 2.20 ft²
CTN: 655*470*325mm (25.79*18.50*12.80in)
N. W (±0.5): Without Visor: 16.9-19.2kg (37.18-42.24 lbs)
S Visor: 0.7kg (1.54lbs) , M Visor: 1.2kg (2.64 lbs)
L Visor: 1.6kg (3.53lbs) , Louver: 0.8kg (1.76 lbs)

Short: 430mm (16.93")
Regular: 601mm (23.66")
Long: 735mm (28.94")

535mm (21.06")

585mm (23.03") 227mm (8.94")

Watt: 800W
EPA: Without Visor: 1.78 ft² , With Short Visor: 3.14 ft²
With Regular Visor: 4.39 ft² , With Long Visor: 5.63 ft²
With Louver: 2.20 ft²
CTN: 655*470*325mm (25.79*18.50*12.80in)
N. W (±0.5): Without Visor: 17.6-19.2kg (38.72-42.24 lbs)
Visor: 0.7kg (1.54lbs) , M Visor: 1.2kg (2.64 lbs)
L Visor: 1.6kg (3.53lbs) , Louver: 0.8kg (1.76 lbs)

FL19 PLUS

LED Stadium Lights

The FL19 PLUS is a cost-effective sports lighting solution for the stadium, which can 1:1 replacement for the HID and is also friendly for new stadiums.

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

c(UL)us LISTED | DLC | (UL) | C E | CB | RoHS

LENS

High-temperature-rated and high transmittance lens materials for less light loss and a long span life, multiple beams spreads to meet custom project requirements, and provide maximum light control.

Opto-electric Separation

Opto-electric separation solutions make the driver separate from the heat sink, extending the overall lamp life.

Corrosion Resistant Surface Treatment

T19S adopt surface powder coated, which has strong corrosion resistance, suitable for the air environment in more harsh areas, especially in coastal cities.

Lightweight Stadium Light

The light weight of the stand-alone modules, weighing only 19.5 kg for the 1000W module and up to 23 kg for the dual mode 1800W module, greatly simplifies installation.

Excellent Heat Dissipation

The vents help the air convection to dissipate heat. A high thermal conductivity aluminum heat sink can quickly spread out the heat. So the low junction temperature during high power operation has ensured a long life and stable performance of LEDs.

Small Size to Reduce Costs

Small size make a small wind resistance，reduce packing size, and save transportation space and freight.

FL19 PLUS

Quick shipment of required product

Elimination of dead stock

Less blockage of funds

Less storage space required

Mounting (Options)

U-Bracket Mounting

Top Mounting Arm Mounting (Optional)

Product Features

1 All structures are made of AL, the whole Light corrosion resistance is higher and can be applied to harsh environments, such as the seaside environment.

2 The max light efficiency is up to 160 LM/W.

3 The 1800W (two-mode) light body is only 23 kg, without a driver.

Opto-electric Separation

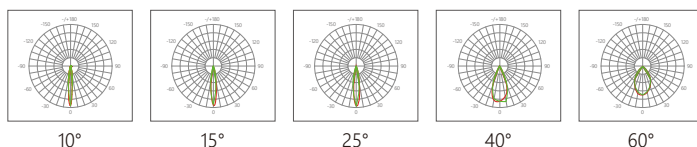The FL19 Plus features a opto-electric separation design that keeps the driver separated from the heat generated by the sink, minimizing the impact of heat on its performance. Furthermore, the driver box mounting bracket allows for flexible installation in any suitable location. Additionally, the driver can be conveniently installed in a distribution cabinet, providing ease of maintenance and labor savings.
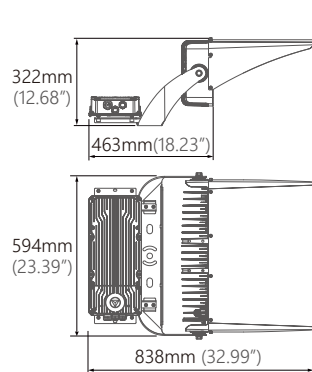
SPECIFICATIONS

Model No.	HD-FL19 PLUS-1000W	HD-FL19 PLUS-1800W
Wattage	800W/ 900W/ 1000W	1500W/ 1600W/ 1800W
Light Efficiency	150Lm/W-160Lm/W	150Lm/W-160Lm/W
Lumen Flux (@5700K)	128,000Lm-150,000Lm	240,000Lm-270,000Lm
Beam Angle	10° / 15° / 25° / 40° / 60°	
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K / 6500K	
CRI	≥70	
SDCM	≤6	
Input Voltage	AC100-277V / AC200-480V / AC277-480V	
Power Factor	0.95	
THD	<20%	
Percent Flicker (%)	<1%	
Surge Protection	10KV / 20KV Optional	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)	
Intelligent control	0-10V, 1-10V, DALI, DMX512, Synapse	
Warranty	5 Years	
Certificate	UL / CUL / DLC / CE / CB / ENEC / RoHS	
LED Brand	Bridgelux, Osram, Samsung	
Driver Brand	Inventronics, uPowerTek, Moso	
Structure	Die-casting / High Thermal Conductivity AL	
Finish	Powder Coated	
Lens	Polycarbonate	
Color	Gray	

Photometric Diagrams

| 10° | 15° | 25° | 40° | 60° |

Parameters

322mm (12.68")
463mm(18.23")
594mm (23.39")
838mm (32.99")

520.5mm (20.49")
571mm (22.48")
572mm (22.52")

690mm (27.17")
510mm (20.08")
638mm (25.12")
380mm (14.96")
196mm (7.72")
446mm (17.56")
137mm (5.39")

Watt: 900W/ 1000W
EPA: Without Visor: 1.81 ft²
With Visor: 3.61 ft²
CTN: 655*595*345mm
(25.79*23.43*13.58in)
N. W (±0.5) : Lamp: 13.5kg (29.76 lbs)
Driver box: 5.8kg (12.79 lbs)
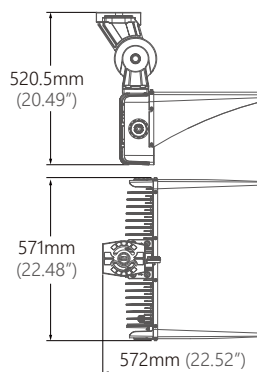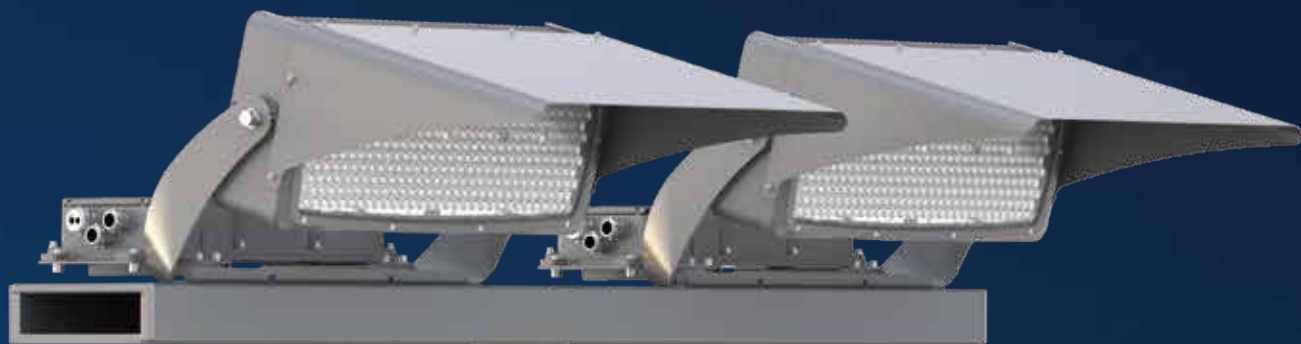
Watt: 900W/ 1000W
EPA: Without Visor: 1.81 ft²
With Visor: 3.61 ft²
CTN: 630*490*335mm
(24.80*19.29*13.19in)
N. W (±0.5) : Lamp: 11.5kg (25.35 lbs)
Driver box: 5.8kg (12.79 lbs)
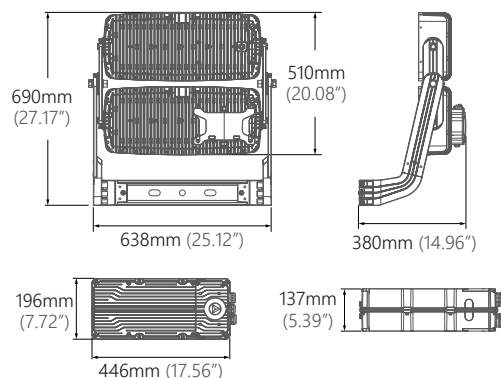
Watt: 1800W
EPA: Without Visor: 3.8 ft²
With Visor: 4 ft²
CTN: 800*700*290mm
(31.50*27.56*11.42in)
N. W (±0.5) : Lamp: 23kg (50.71 lbs)
Driver box: 10kg (22.05 lbs)

FL19 MAX

Defining the Future of LED Sports Lighting.

DALI | Zhaga | DMX | Synapse | 0-10V

IP66 Wet Location | **IK10** Rating | ✓**5YEAR** WARRANTY

c(UL)us LISTED | DLC QPL LISTED | CE | CB | ENEC | RoHS

The FL19 MAX is a cost-effective sports lighting solution for the stadium, which can 1:1 replacement for the HID and is also friendly to the new sports fields. Opto-electric separation solutions are advantageous to the flexible installation of the power supply, which can be installed on the lamp holder and the lamp post, and can also be installed on the distribution box, for the convenience of installation and later maintenance.

1000W/ 1200W   1600W/ 1800W/ 2000W

FL19 Multiple Functions Available

DMX, ZHAGA, dial code to adjust the power, SYNAPSE wireless control, can be installed with NEMA light control base.

15%-20% Lighter Than Other

1200W Max ONLY 21kg, 15% -20% lighter than the same power output sports light in the industry. Lighter equipment can improve mobility reduce set-up and take-down times, and make it to facilitate the installation of workers.

Optical Lighting Program

1. With high transmittance lens alone.
2. Lens with tempered glass.

Excellent Heat Dissipation

The vents help the air convection to dissipate heat.
A high thermal conductivity aluminum heat sink can quickly spread out the heat. So the low junction temperature during high power operation has ensured a long life and stable performance of LEDs.

Surface Treatment

Corrosion-resistant surface treatment is applicable to the air environment in more harsh areas.

Low Cost & High Efficiency

PowerBox is also a junction box that can be convenient and fast wiring. This focus on ergonomic design can lead to improved efficiency during installation, ultimately saving time and costs.

❶ Excellent Heat Dissipation

Lamp radiator adopts high thermal conductivity pure aluminum material 1060, thermal conductivity effect is better, lamps and lanterns life longer.
The lamps are designed with photoelectric separation program, better heat dissipation performance of the lamps, longer lamp life.

❷ Surface Treatment

Corrosion-resistant surface treatment is applicable to the air environment in more harsh areas.

❸ Visor for Precise Light Control

● Directs more light onto the field.
● Dramatically reduces glare and spill.
● Enhance on-field playability.

● Installing and replacing the hood is safe and labor-saving, and the structure of the card slot is designed.
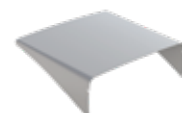
● 3 Length visor options with grill hood for precise light control.

| "S" Visor	"M" Visor	"L" Visor
0.7kg	1.2kg	1.5kg

SPECIFICATIONS

Model No.	HD-FL19M-1000W/ 1200W	HD-FL19M-1600W/ 1800W/ 2000W
Wattage	1000W/ 1200W	1600W/ 1800W/ 2000W
Light Efficiency (±5%)	150Lm/W	150Lm/W
Lumen Flux (@5700K) (±5%)	150,000Lm-180,000Lm	240,000Lm/ 270,000Lm/ 300,000Lm
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K/ 6500K	
Beam Angle	10±2°/ 15±2°/ 25±3°/ 40±4°/ 60±5°	
CRI	≥70	
SDCM	≤6	
Input Voltage	AC100-277V / AC200-480V	
Power Factor	≥0.95	
THD	≤15%	
Percent Flicker (%)	<1%	
Surge Protection	10KV/ 20KV	
Protection Against Electric	Class I	
IP	IP66	
IK	IK10 (Lens) / IK08 (Glass) Optional	
Operating Temp Range	-40°C~+50°C / -40°F~+122°F	
Intelligent Control	0-10V / DMX / DALI / SYNAPSE	
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)	
Warranty	5 Years, 7 Years Optional	
Certificate	UL / DLC / CE / CB / ENEC / RoHS	
LED Brand	Luminus, Osram, Bridgelux	
Driver Brand	uPowerTek, Powerland, Inventronics	
Structure	Die-casting / High Thermal Conductivity AL	
Finish	Powder Coated	
Lens	Polycarbonate	
Color	Gray	

Photometric Diagrams

| 10° | 15° | 25° | 40° | 60° |
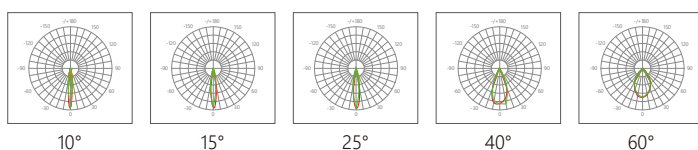
Parameters
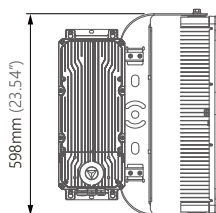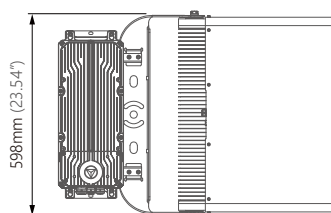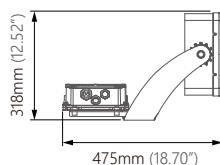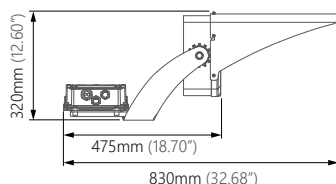
Watt: 1000W/ 1200W
EPA: 1.86 ft²
CTN: 655x 595x 345mm (25.79x 23.43x 13.58in)
N. W (±0.5) : Lamp: 13.5kg (28.66 lbs)
Driver Box: 6.5kg (14.33 lbs)
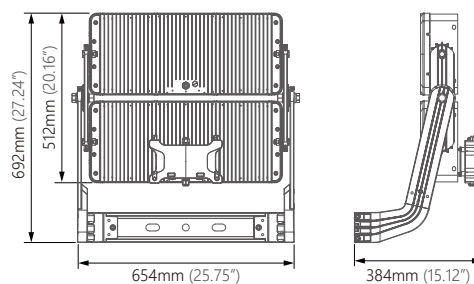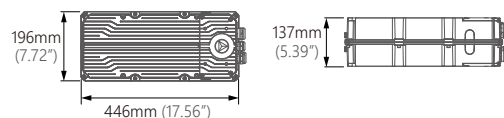
Watt: 1600W/ 1800W/ 2000W
EPA: 3.86 ft²
CTN: 800x 700x 290mm (31.50x 27.56x 11.42in)
N. W (±0.5) : Lamp: 27kg (59.52 lbs)
Driver Box: 10kg (22.05 lbs)

DALI Zhaga DMX

0-10V

Athena (FL18)

IP66 Wet Location | **IK08** Rating | ✓ **7 YEAR**

cULus LISTED UL DLC QPL LISTED CB CE RoHS

Athena is an all-in-one RGBW atmosphere of the sports stadium lights, with white light power for 800W-1200W, and RGB for 200W-300W. Suitable for outdoor professional sports and entertainment venues. Athena can 1:1 replace the traditional lamps and lanterns, in line with green energy-saving standards.
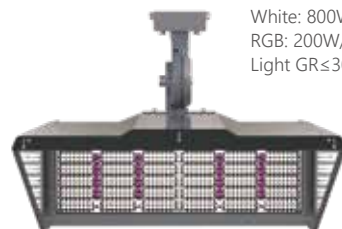
White: 800W/ 1200W
RGB: 200W/ 300W
Light GR≤30

Built-in RGB Modes

Versatile options and vibrant colors: Built-in RGB dimming modes and an excellent spill control system save installation costs by adjusting a variety of lighting scenes without the need for additional RGB fixtures.

BASEBALL/ SOFTBALL   FOOTBALL   BASKETBALL   HOCKEY   SOCCER

❷ PC Lens + Glass

Superior Light Efficiency, Long Lifespan.
Utilizes a dual design of PC Lens + Glass, with glass effectively blocking UV rays, minimizing light loss, improving performance stability, and extending the lifespan of the luminaire.

❸ User-friendly design for easy installation and maintenance
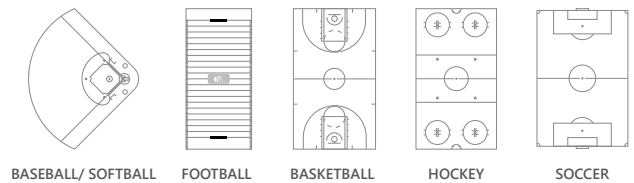
Integrated handle and heat sink design for easy transport and high-altitude installation.
Doubles as support for bracket fixation, enhancing maintenance accessibility and operational efficiency

❶ Glare-Free

The inside of the visor utilizes ammonia-chloride orange peel patterned mirror aluminum, achieving a reflectivity of 95%. Clearly defined cutoff lines suppress stray light, preventing light pollution.

>Product Breakdown Diagram

Knuckle Assembly and Connection Plate

Heat Sink
Unique convective air cooling design.
High thermal conductivity, corrosion resistant construction.
Machined mounting surface for maximum heat transfer of the diode assembly.
Maintains low LED junction temperature during high wattage operation.

Diode Assembly

RGB lens

Light Control Visor
Allow for precise light control.
Directs more light onto the field.
Dramatically reduces glare and spill.

High transparency lens

Reflective Cup
Equipped with vacuum-aluminized anti-glare reflector cups, boasting a reflectivity of over 97%. Effectively reduces glare and enhances light uniformity for comfortable illumination.

Glass
Protects plastic optic components from exposure to harsh environment where they can crack, abrasion, or discolor from the sun's ultraviolet light.

>DMX CONTROLS

Example System Topology
(Wired DMX Controls)

Wired DMX
Control Device

LUMINAIRES

```
KEY
——— RDM/DMX(BELDEN 9729 CABLE)
```

Example System Topology
(Remote Access Point With Wired DMX Controls)

VPN GATEWAY TO DMX SYSTEM CONTROLS

Remote
Access Point

Wired DMX
Control Device

INTERNET CONNECTED DEVICES
ALLOW SECURE ACCESS TO
LIGHTING SYSTEM CONTROLS WEB PAGE

```
KEY
——— RDM/DMX(BELDEN 9729 CABLE)     ——— Ethernet
```

Mounting (Options)

Top Arm Mounting   **U-Bracket Mounting**

Two Wiring Solutions Available

❶ Opto-electric separation design to
reduce material costs.

❷ Electrical Components Enclosure

All the driver and electrical components
are concentrated in the distribution box,
convenient for maintenance, saving
maintenance costs, provided higher security.

SPECIFICATIONS

| Model No.	HD-FL18-800W	HD-FL18-1200W	HD-FL18-RGB200W	HD-FL18-RGB300W
Wattage	800W	1200W	200W	300W
Light Efficiency (@5700K)	125Lm/W	125Lm/W	/	/
Lumen Flux (@5700K)	100,000Lm	150,000Lm	/	/
CCT	2700K/ 3000K/ 4000K /5000K/ 5700K/ 6500K		RGB	RGB
Beam Angle	15° / 20° / 30° / 40° / 55°		40°	40°
CRI	≥70			
SDCM	≤6			
Input Voltage	AC100-277V / 200-480V			
System Power Factor	≥0.90 (@220V & Full Load)			
THD	≤10%			
Percent Flicker (%)	<1%			
Surge Protection	10KV, 20KV Optional			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
GR	≤30			
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor			
Intelligent Control	0-10V, D4i, DALI 2.0, DMX512			
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)			
Warranty	5 years, 7 years, 10 years Optional			
Certificate	UL / DLC / CE / CB / RoHS	LED Brands: Osram, CREE		
LED Brand	Osram, CREE	Driver Brands: Inventronics, PowerLand, UpowerTek		
Driver Brand	Inventronics, PowerLand, UpowerTek			
Structure	Die-casting / AL1070			
Finish	Powder Coated			
Cover	Polycarbonate + Glass			
Color	Gray			

Photometric Diagrams

15°   20°   30°   40°   55°
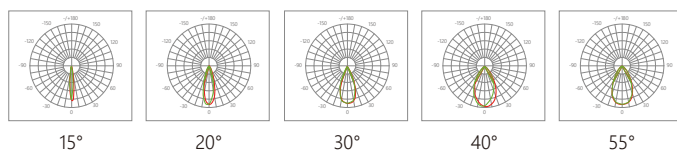
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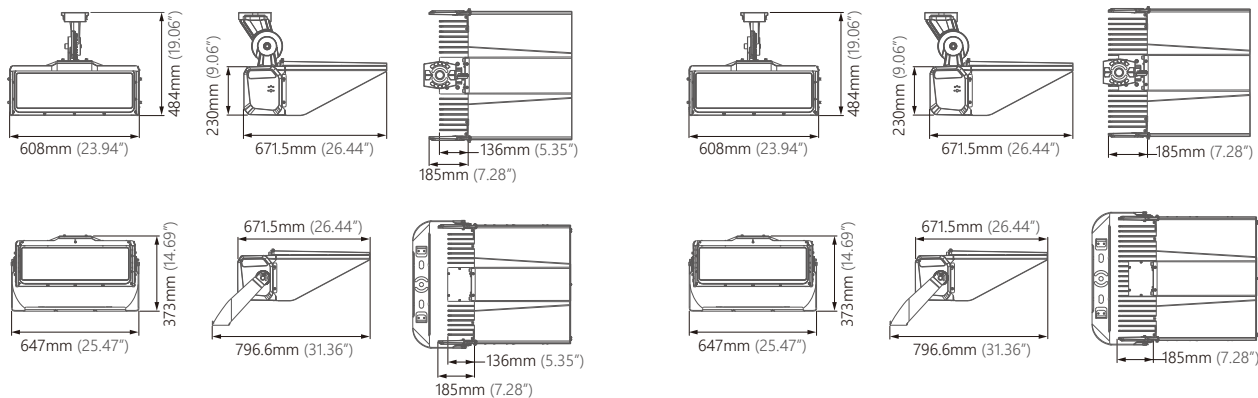
Watt: 800W/ 1200W
EPA: 4.77 ft² (800W)/ 5.07 ft² (1200W)
CTN: Lamps: 710*460*375mm (27.95*18.11*14.76in)/ Visor (4PCS): 760*530*635mm (29.92*20.87*25.0in)
N. W (±0.5) : Top Mounting: 20kg (44.1 lbs) / U-Bracket Mounting: 21kg (46.3 lbs)
RGB Driver Box: 9kg (19.8 lbs) / White Driver Box: 5.8kg (12.8 lbs) / Visor: 12.8kg (28.2 lbs)

Apollo (FL11)

A professional sports light whose lumens output up to 288,000Lm for FIFA stadiums, that can 1:1 replace the 3000W traditional fixture.

IP66 Wet Location | **IK10** Rating | ✓ **5 YEAR** WARRANTY

UL UKCA CB CE ⬙ SAA RCM C RoHS

For TV Broadcasting

A revolutionary floodlight system for sports and area lighting with unrivaled performance, efficiency and light quality.
The high-performance floodlight Apollo sets records in terms of performance with up to 288KLM. With a TLCI value of 90 and CRI 90, realistic colour rendering is guaranteed for broadcasters this means minimal post-processing effort.

1260W/ 1560W/ 1650W/ 1800W

FL

Safety wire

Metal bellows prevent birds from pecking at the cables.

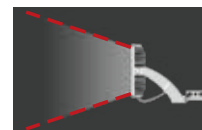Aluminum alloy+SUS304, pass 1000 hours salt spray test.

Precision Aiming

A precision aiming device will assist in precisely aligning the light to the aiming point.
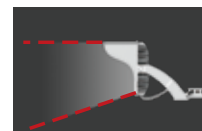
PC Lens

One-piece optic lens, various beam angles to meet the requirements of different courts.

Visor special design for light cutoff, no light pollution.

Without Visor

With Visor

Good Heat Management

AL1070 pure aluminum, excellent heat dissipation performance, fully made of aluminum and weighs only 18.5kgs.

Best Light Control

One-piece optic lens, with a precise optical design and various beam angles to minimize glare and meet the requirements of different courts. The visor is optional according to the size of the venue to cut off light distribution, obtain the best visibility, and provide comfortable light to the venue, athletes, live audience, and screen audience. And the louver makes the light more even.

Louver Optional

Visor Optional

Make the Light Perfect

HD Sports light   Others' Sports light

500lx
450lx
400lx
350lx
300lx

500lx
450lx
300lx
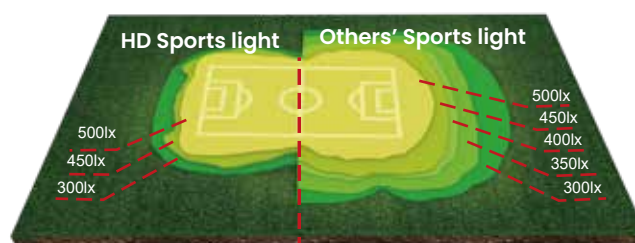
Apollo's LED optics are recessed in a low glare shield providing the perfect combination of optical accuracy and cut-off. Our Spill light control design outperforms typical LED systems in efficiency, brightness, suppressed glare, spillage, and sky glow. So you'll need far fewer fixtures to increase light on your field.

Common sports light systems provide excellent initial light levels and uniformity, but are difficult to contain illumination to the field. This presents challenges in reducing the spill light surrounding the field.

DMX and DMX-RDM Optional

The DMX drivers enable luminaires to be connected to intelligent lighting management systems, for remote lighting management and dynamic light shows and meet the highest, performance standards to link the luminaries and dynamic lighting control systems. The DMX-RDM programmable driver can be programmed for lighting behavior to support the integration of a variety of entertainment lighting devices.
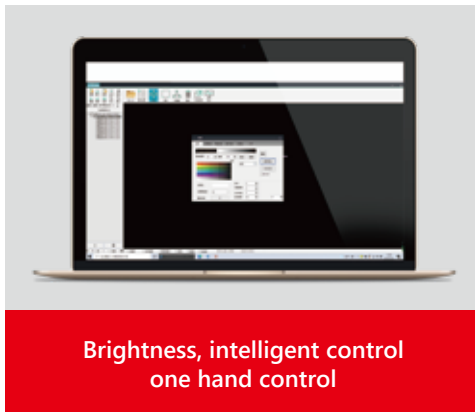
HDE-1800W

Brightness, intelligent control one hand control

Applications (For Stadium Lighting)

Outdoor Sports

| Baseball | Football | Cricket | Golf | » » More |

Indoor Sports

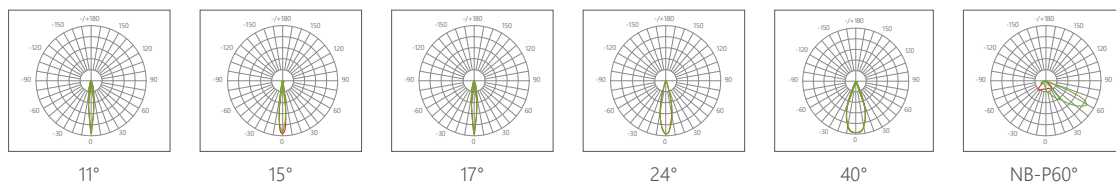| Tennis | Volleyball | Basketball | Natatorium | » » More |

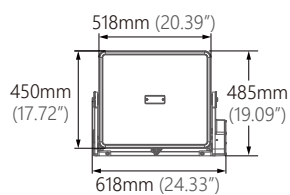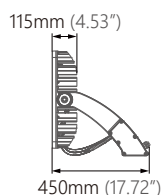Welcome to be an exclusive agent for Apollo in your country.

SPECIFICATIONS

Model No.	HD-FL11-1260W	HD-FL11-1560W	HD-FL11-1650W	HD-FL11-1800W
Wattage (±5%)	1260W	1560W	1650W	1800W
Light Efficiency (@5700K)	155Lm/W @11°/ Ra70 170Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 150Lm/W @NB-P60°/ Ra70	150Lm/W @11°/ Ra70 168Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 145Lm/W @NB-P60°/ Ra70	148Lm/W @11°/ Ra70 165Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 140Lm/W @NB-P60°/ Ra70	145Lm/W @11°/ Ra70 160Lm/W @15°/ 17°/ 24°/ 40°/ Ra70 135Lm/W @NB-P60°/ Ra70
Lumen Flux (@5700K) (10%) 1800W	261,000Lm (Ra70 11°), 288,000Lm (Ra70 15°/ 17°/ 24°/ 40°), 243,000Lm (Ra70 NB-P60°)			
Beam Angle	11° / 15° / 17° / 24° / 40° / NB-P60°			
CCT	3000K/ 4000K/ 5000K /5700K/ 6500K			
CRI	70, 80, 90, TLCI 90 Optional			
SDCM	≤6			
Input Voltage	AC100-277V / AC220-400V / AC277-480V / AC200-480V			
Power Factor	≥0.95 @230V & full load			
THD	<20%			
Surge Protection	10KV / 20KV Optional			
Protection Against Electric	Class I			
IP	IP66			
IK	IK10			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	100,000H (L90B50 @25°C) / 60,000H (L90B10 @77°F)			
Intelligent Control	0-10V, DMX & DALI2			
Warranty	5 Years, 7 Years Optional			
Certificate	UL / CUL / UKCA / RCM / C-Tick / CB / CE / ENEC / SAA / RoHS			
LED Brand	Bridgleux, CREE			
Driver Brand	Inventronics, Moso, Delta, HDe			
Structure	Cold-Forging / High Thermal Conductivity AL			
Finish	Powder Coated			
Lens	Polycarbonate			
Color	Gray			

Photometric Diagrams

| 11° | 15° | 17° | 24° | 40° | NB-P60° |

Parameters

115mm (4.53") 518mm (20.39") 450mm (17.72") 485mm (19.09") 450mm (17.72") 618mm (24.33")

Watt:　1260W/ 1560W/ 1650W
EPA:　3.0 ft²
CTN:　750*680*215mm (29.53*26.77*8.46in)
N. W (±0.5) :　18.5kg (40.79 lbs)

132mm (5.20") 518mm (20.39") 450mm (17.72") 485mm (19.09") 450mm (17.72") 618mm (24.33")
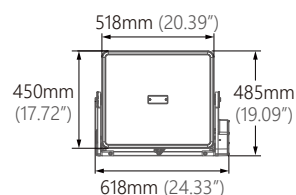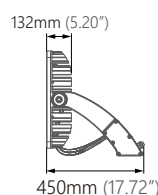
Watt:　1800W
EPA:　3.0 ft²
CTN:　750*680*215mm (29.53*26.77*8.46in)
N. W (±0.5) :　20.6kg (45.42 lbs)

NEO (FL09)

High-efficiency stadium light whose opto-electrical separation solutions help to reduce maintenance costs.

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

In view of the problems existing in the current market, Huadian engineers launched this cost-effective and influential flood lights for stadiums. Neo has a narrow border and a large luminous surface for efficient material usage. It's lightweight, making it easy to install and resulting in low maintenance costs. It features a die-casting aluminum heat sink for effective heat dissipation and compact size to reduce wind resistance. The support structure is also made of die-casting aluminum, ensuring strong wind resistance. Neo offers different optical angles to meet various lighting needs. Alternatively, the driver can be installed in the in-distribution box of the pole, simplifying maintenance and reducing labor costs.

600W/ 800W/ 1000W/ 1200W   1500W

Small Size & Small Wind Resistance

Neo LED flood lights' heat sink utilizes a die-casting process with high thermal conductivity AL material, ensuring rapid heat dissipation. This design effectively manages heat while minimizing the sink's volume, reducing wind resistance.

Variety of Drivers Are Available

Neo provides a diverse range of IP66/ IP67 waterproof drivers to cater to different requirements.

Opto-Electrical Separation to Reduce Costs

Neo provides a versatile lighting solution with optoelectrical separation. The driver can be conveniently installed together with the light body or separately in a suitable position, accommodating various installation environments and expanding its application range. This flexibility allows for easy replacement of traditional HID lamps on a 1:1 basis or simultaneous installation of multiple lights on a single pole. Furthermore, for maintenance convenience, the driver can also be installed in the distribution box. During shipping, the drivers and light bodies can be packed separately, reducing packing volume, optimizing container space, and leading to cost savings on customs duties and transportation.

1500W Weighing Only 23kg

NEO is a flood light with a compact, lightweight design, a 1500W variant weighing just 23kg (excluding the driver). This makes it ideal for high-altitude installation and maintenance, reducing operational difficulties and risks. Additionally, NEO's design helps minimizemaintenance costs.

1

2 Distribution Box
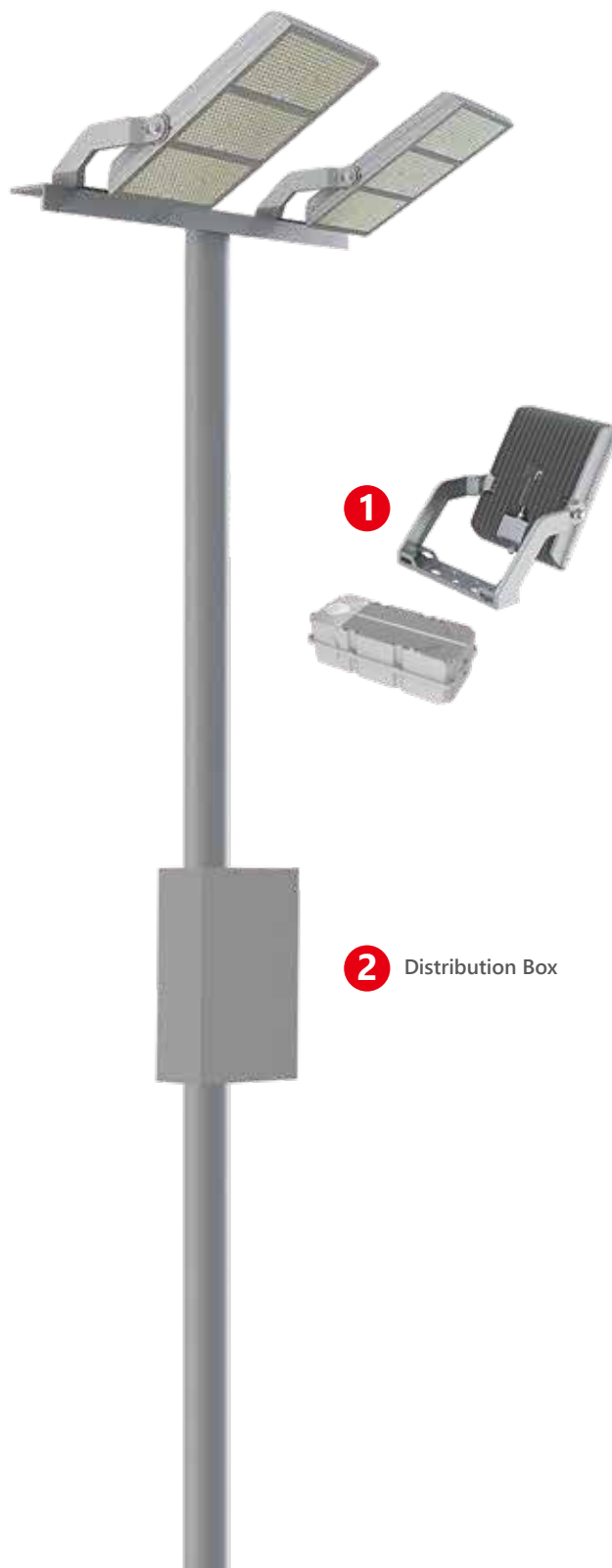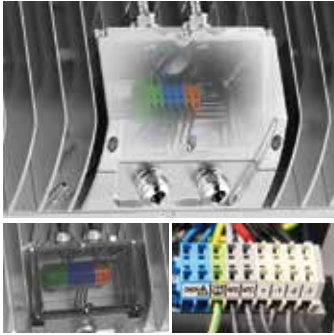
IP66 Juntion Box, Easy External Wiring

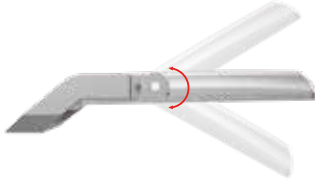Neo offers an IP66 junction box that facilitates easy external wiring, and also against water ingress. With its user-friendly design, the junction box simplifies the process of connecting external wiring, enhancing installation efficiency, and improving the safety and stability of the lights.

Step-Less Adjustable

Neo features a step-less adjustable bracket that allows for flexible positioning of the lamp body at any desired angle. This design provides versatility in lighting installations and ensures optimal light distribution in a wide range of settings. Neo's adjustable bracket enables precise positioning to meet specific lighting requirements.

Die-Cast Aluminum Bracket

Neo's brackets feature die-cast aluminum technology and material, guaranteeing strong structural integrity and wind resistance. This enhances the lamp's stability, making it suitable for all weather conditions. The u-bracket design includes reserved space for installation, simplifying practical operations and providing added convenience for workers.

Large Light-Emitting Area, Maximum Material Utilization

The narrow border design ensures a large light-emitting area, maximizing material utilization and space efficiency, and also contributes to cost savings. Neo's designed with a screw-free luminescent surface, ensuring a seamless and visually pleasing appearance.

◆ Precision aiming device will assist in precisely aligning the light to the aiming point.

◆ Visor To Trim The Excess Upward Light.
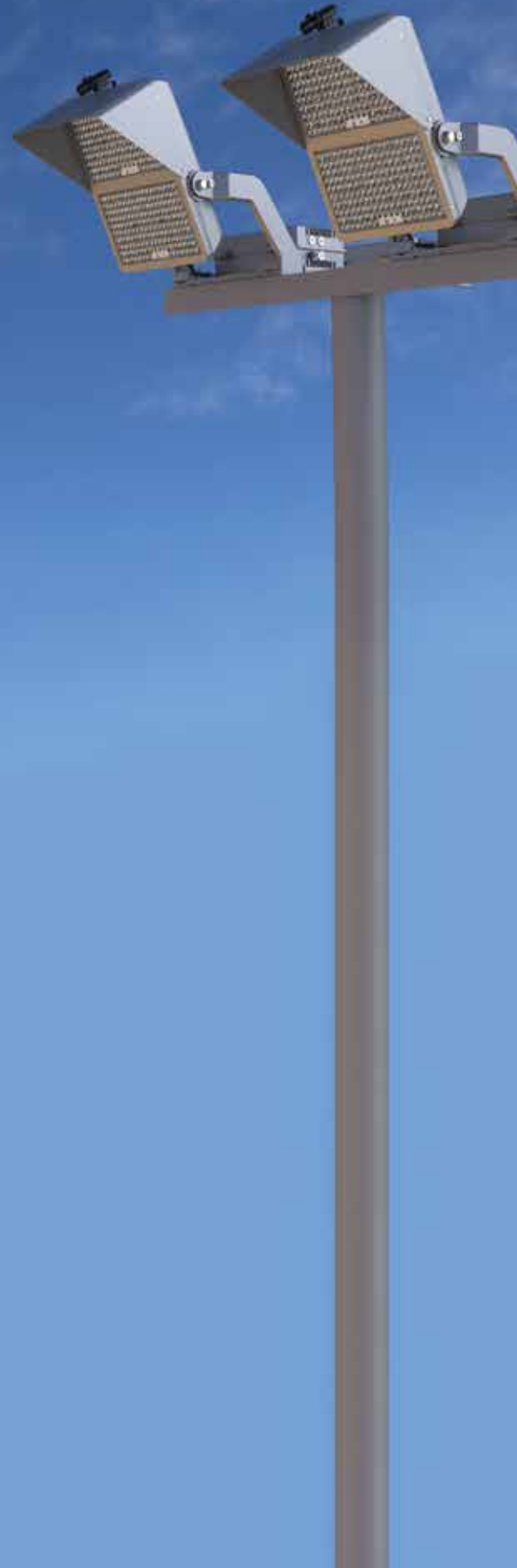
SPECIFICATIONS

Model No.	HD-FL09-600W/ 800W	HD-FL09-1000W	HD-FL09-1200W	HD-FL09-1500W
Wattage	600W/ 800W	1000W	1200W	1500W
Light Efficiency	150Lm/W			
Lumen Flux (@5700K) (±10%)	90,000Lm-120,000Lm	150,000Lm	180,000Lm	225,000Lm
Beam Angle	8° / 9° / 15° / 20° / 30° / 60° / NB-P30° / T3-VS			
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K			
CRI	>70			
SDCM	<5			
Input Voltage	AC200-240V / AC220-400V / AC277-480V			
Power Factor	0.95			
THD	<20%			
Surge Protection	10KV / 20KV Optional			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)			
Intelligent Control	0-10V, 1-10V Dimming, DALI, DMX, PMW			
Warranty	5 Years, 7 Years Optional			
Certificate	UL / CUL / ENEC / CE / SAA			
LED Brand	Samsung, Lumileds			
Driver Brand	Inventronics, Meanwell, Delta			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Lens	Polycarbonate			
Color	Gray			

Photometric Diagrams

8°	9°	15°	20°	30°	60°	NB-P30°	T3-VS

Parameters

Optional Accessories
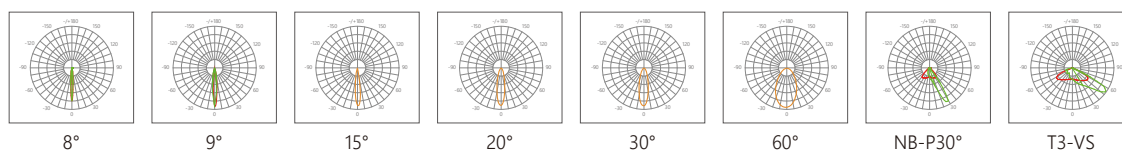
Visor
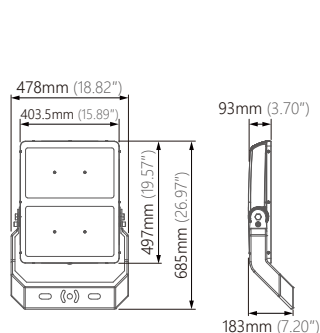
Precision Aiming

Watt: 600W/ 800W/ 1000W/ 1200W
EPA: 0.312 ft²
CTN: 736*553*270mm
(28.97*21.77*10.63in)
N. W (±0.5): 18kg (39.68 lbs)
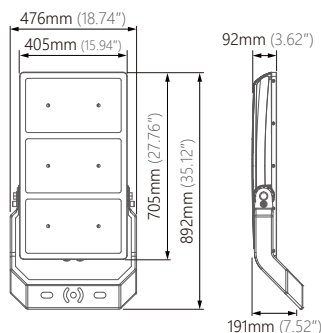
Watt: 1500W
EPA: 0.384 ft²
CTN: 1015*500*270mm
(39.96*19.69*10.63in)
N. W (±0.5): 23kg (50.71 lbs)

FL06

FL06 is an independent module type high-power stadium flood light, a small module size and large gap reduces wind resistance and improves stability.
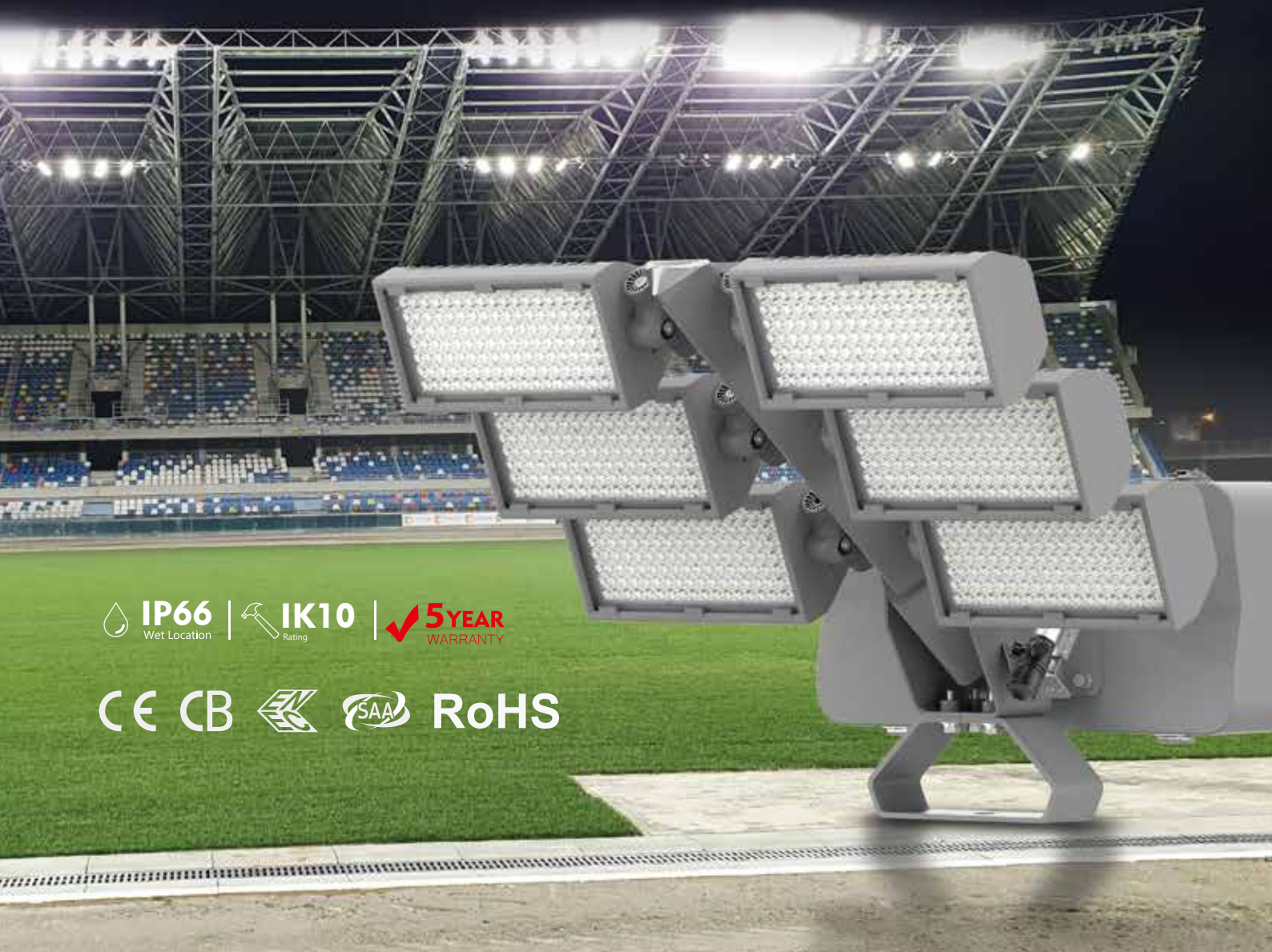
IP66 Wet Location | **IK10** Rating | ✔ **5 YEAR** WARRANTY

CE CB KC SAA RoHS

FL06 Independent Module Stadium & Flood Light. Each module can adjust the horizontal and vertical angle separately, covering all parts of the field flexibly, the field illumination is more even, the athlete's vision is clearer, and the spectator's experience is also better. One module failure can not affect other modules, effectively reducing the cost of maintenance. FL06 adopts a no-flicker lightning supply, the color temperature has CRI >90 & TLCI >90 optional, with intelligent control such as DMX, Dali, etc. FL06 is especially suitable for professional competition venues and comprehensive stadiums that need live broadcasts.

800W   1000W/ 1200W   1600W
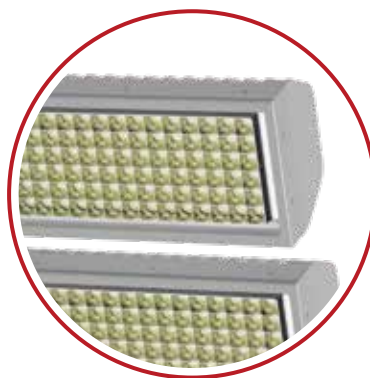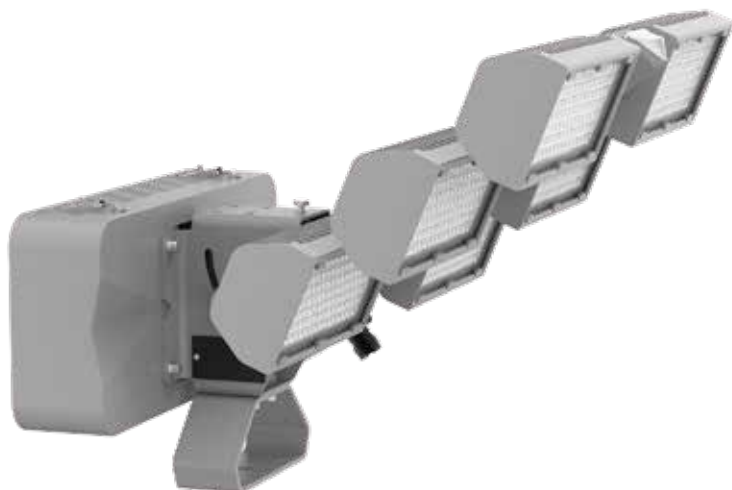
(Optional lameshade)

Designed For ProfessionalStadiums

FL06 is especially suitable for professional competition venues and comprehensive stadiums that need live broadcasts. Such as football stadiums, baseball stadiums, basketball arenas, tennis courts, multi-purpose stadiums, etc. FL06 floodlight stadium lighting solutions are an excellent choice forprofessional competition venues and comprehensive stadiums thatprioritize high-quality lighting for live broadcasts and optimal viewingexperiences. Its versatility makes it compatible with a wide range of sports and events.

Chrome-plated anti-glare reflector

FL06 floodlight stadium light does incorporate an anti-glare cover and professional PC lens, which contribute to reducing glare and providing uniform illumination.

Excellent Heat Management

The driver box is independently away from the heatsink so that the life of the driver is not affected by the heat.
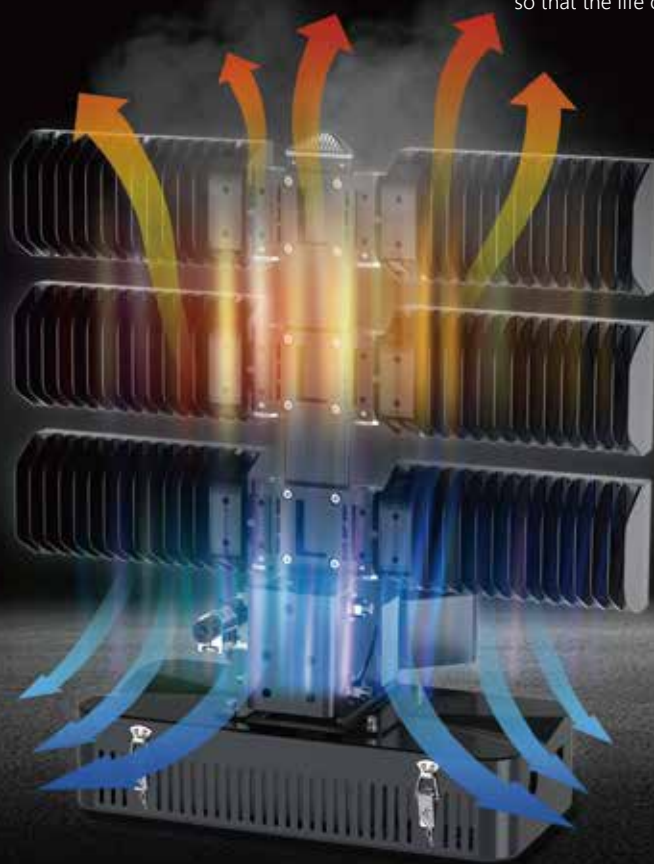
REMOTE CONTROL

Availavle for DALI and DMX512 control

CONTROL   **BRIGHTNESS**

**Brightness, intelligent control
one hand control**

Applications (For Stadium Lighting)

Outdoor Sports

Baseball   Football   Cricket   Golf   » » More

Indoor Sports

Tennis   Volleyball   Basketball   Natatorium   » » More

SPECIFICATIONS

Model No.	HD-FL06-800W	HD-FL06-1000W/ 1200W	HD-FL06-1600W
Wattage	800W	1000W/ 1200W	1600W
Light Efficiency	140Lm/W		
Lumen Flux (@5700K) (±10%)	112,000Lm	140,000Lm/ 168,000Lm	224,000Lm
Beam Angle	15° / 30° / 130°x 60° / NB-P60°		
CCT	3000K/ 4000K/ 5000K /5700K/ 6500K		
CRI	70		
SDCM	≤6		
Input Voltage	AC220-240V		
Power Factor	≥0.93		
THD	<15%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP66		
IK	IK10		
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor		
Lifetime	100,000H (L90B50 @25°C) / 60,000H (L90B10 @77°F)		
Intelligent Control	0-10V, DMX, DALI		
Warranty	5 Years, 7 Years Optional		
Certificate	CE / CB / ENEC / SAA / RoHS		
LED Brand	Bridgelux 3535		
Driver Brand	Inventronics		
Structure	Die-casting		
Finish	Powder Coated		
Lens	Polycarbonate		
Color	Gray		

Photometric Diagrams

15°   30°   130°x 60°   NB-P60°

Parameters

Watt: 800W
CTN: 693*329*539mm
(27.28*12.95*21.22in)
N. W (±0.5) : 23.5kg (51.81 lbs)

Watt: 1000W/ 1200W
CTN: 693*329*729mm
(27.28*12.95*28.70in)
N. W (±0.5) : 29.5kg (65.04 lbs)

Watt: 1600W
CTN: 693*329*874mm
(27.28*12.95*34.41in)
N. W (±0.5) : 30.5kg (67.24 lbs)

FL04-L

The FL04-L LED floodlight series sets the trend for modern stadium lighting applications.

CB CE RoHS

IP66 Wet Location | IK08 Rating | 5YEAR WARRANTY

The series utilizes a lens + glass optical structure for precise positioning and uniform light distribution for professional competition venues and numerous harsh environments. A single module provides 800W of power. Dual modules can provide up to 1600W, weighing only 24kg, the structure of the luminaires using opto-electronic separation design, can easily realize the DMX control, power selected by dip switch, zhaga, light control, SYNAPSE wireless module control and other functions, at the same time, installation and maintenance are more economical, superior heat dissipation performance ensures that the luminaires of the 5-year warranty.

600W/ 700W/ 800W   1400W/ 1500W/ 1600W

Lightweight & Cost Saving

The FL04-L flood sports light is a high-power module designed for stadiums. With high-power LED chips, a single module can provide up to 800W of power. The FL04-L stadium light features a lightweight design, 1600W just 24kg (without the driver box) , making it lighter than other stadium lights with similar power output on the market.

800W/ 700W/ 600W

1600W/ 1500W/ 1400W

Customizable high-power lighting solutions

The FL04-L luminaire ensures excellent heat dissipation, higher strength corrosion resistance, and single-mode power up to 900W. It can be customized to meet the needs of lighting site-specific solutions.

Lens & Glass Double Protection

The FL04-L features a dual protection system with a lens and glass on its luminous surface. The lens ensures more precise light distribution, while the glass protects the lens against environmental factors, reducing light attenuation and extending the light source's lifespan. Additionally, the glass surface prevents dust and debris buildup, making it ideal for harsh environments like sandy or windy areas.

Super Heat Management

The heat sink is made of metal material with fast heat conduction, the temperature rise test is 50°C [The reference value of temperature rise is 65°C], and the heat dissipation management is very good.

Multi-Angle Optical Lens Options

The lens has a variety of angles to choose from: symmetrical angle of 10 °, 20 °, 30 °, 40 °, 60 °, 90 °, 120 °, asymmetrical angle of: NB, MB, WB, SNB and other angles to meet the needs of different lighting places on lighting.

Opto-electric Separation Solution

The FL04-L features a opto-electric separation design that keeps the driver separated from the heat generated by the sink, minimizing the impact of heat on its performance. Furthermore, the driver box mounting bracket allows for flexible installation in any suitable location. Additionally, the driver can be easily installed in a distribution cabinet, simplifying maintenance and reducing labor costs.

Driver Optional
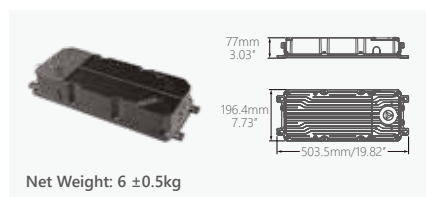
77mm 3.03" — 196.4mm 7.73" — 503.5mm/19.82"
Net Weight: 6 ±0.5kg

137mm 5.39" — 196mm 7.72" — 446mm/17.56"
Net Weight: 10 kg ±0.5kg

78.5mm 3.09" — 502mm/ 19.76" — 150mm 5.91" — 130mm 5.12" — 476mm/ 18.74"
Net Weight: 5.8 kg ±0.5kg

Example System Topology (Wired DMX Controls)

Example system topology showing the FL04-L System in a typical used wired DMX Control Installation.
Refer to the specifications and limitations of your wired DMX control device before installing this configuration.

Wired DMX Control Device

LUMINAIRES

KEY
—— RDM/ DMX (BELDEN 9729 CABLE)
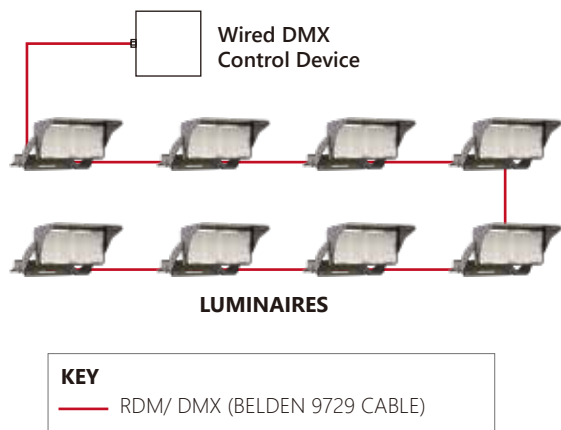
Example System Topology (Remote Access Point with Wired DMX Controls)

Example system topology showing the FL04-L System in a commonly used remote access point with wired DMX Control Installation. Refer to th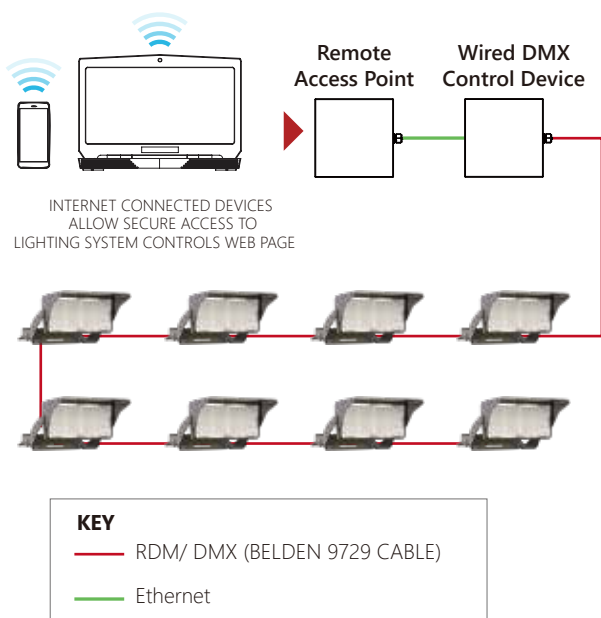e specifications and limitations of your wired DMX control device before installing this configuration. Note: Laptop and mobile device are not included. A cellular network connection requires a cellular carrier network plan.

VPN GATEWAY TO DMX SYSTEM CONTROLS

Remote Access Point   **Wired DMX Control Device**

INTERNET CONNECTED DEVICES ALLOW SECURE ACCESS TO LIGHTING SYSTEM CONTROLS WEB PAGE
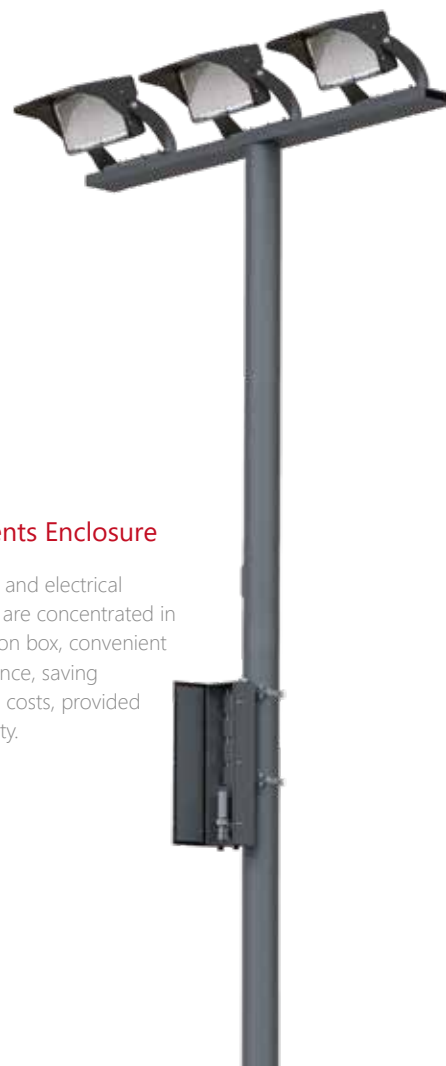
KEY
—— RDM/ DMX (BELDEN 9729 CABLE)
—— Ethernet

Two Wiring Solutions Available

❶ Opto-electric separation design to reduce material costs.
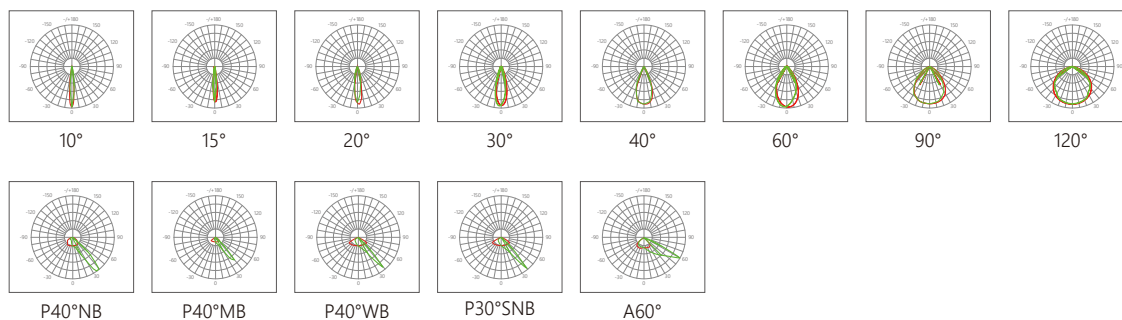
❷ Electrical Components Enclosure

All the driver and electrical components are concentrated in the distribution box, convenient for maintenance, saving maintenance costs, provided higher security.
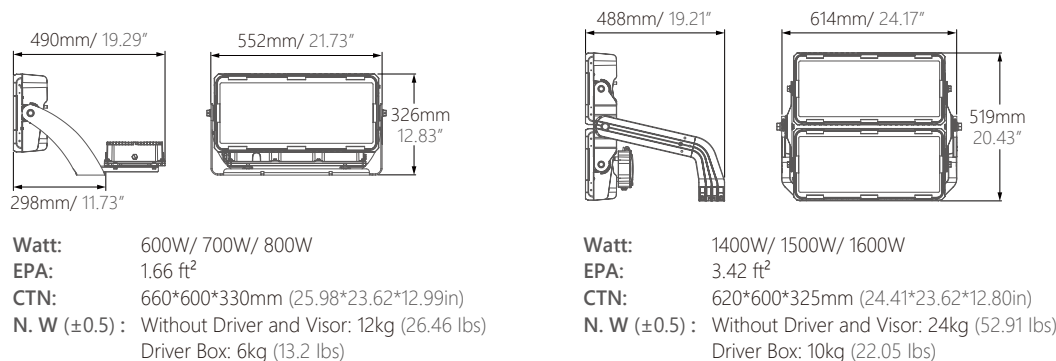
SPECIFICATIONS

Model No.	HD-FL04-L-600W/ 700W/ 800W	HD-FL04-L-1400W/ 1500W/ 1600W
Wattage	600W/ 700W/ 800W	1400W/ 1500W/ 1600W
Light Efficiency	130Lm/W-140Lm/W @5700K, Ra70	
Lumen Flux (@5700K) (±10%)	84,000Lm-104,000Lm	196,000Lm-208,000Lm
Beam Angle	10°/ 15°/ 20°/ 30°/ 40°/ 60°/ 90°/ 120°/ P40°NB/ P40°MB/ P40°WB/ P30°SNB/ A60°	
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K/ 6500K	
CRI	≥70	
SDCM	≤6	
Input Voltage	AC100-277V/ AC200-480V	
Power Factor	≥0.9 (@230V & Full Load)	
THD	≤20%	
Surge Protection	10KV / 20KV Optional	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)	
Intelligent Control	0-10V/ DALI/ DMX512/ SYNAPSE/ ZHAGA	
Warranty	5 Years, 7 Years Optional	
Certificate	CE / CB / ENEC / RoHS	
LED Brand	Bridgelux, Lumileds 3030, Luminus 3030	
Driver Brand	HDe, Inventronics, Moso	
Structure	Die-casting / High Thermal Conductivity AL	
Finish	Powder Coated	
Cover	Glass+Polycarbonate	
Color	Bronze (RAL7022)	

Photometric Diagrams

10°	15°	20°	30°	40°	60°	90°	120°

P40°NB	P40°MB	P40°WB	P30°SNB	A60°

Parameters

490mm/ 19.29″ 552mm/ 21.73″ 326mm 12.83″ 298mm/ 11.73″

488mm/ 19.21″ 614mm/ 24.17″ 519mm 20.43″

Watt: 600W/ 700W/ 800W
EPA: 1.66 ft²
CTN: 660*600*330mm (25.98*23.62*12.99in)
N. W (±0.5): Without Driver and Visor: 12kg (26.46 lbs)
Driver Box: 6kg (13.2 lbs)

Watt: 1400W/ 1500W/ 1600W
EPA: 3.42 ft²
CTN: 620*600*325mm (24.41*23.62*12.80in)
N. W (±0.5): Without Driver and Visor: 24kg (52.91 lbs)
Driver Box: 10kg (22.05 lbs)

FL04-M

The FL04-M flood sports light series offers highly efficient lighting solutions for stadiums and sports arenas. With advanced LED chip technology, it delivers up to 600W per module.

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

UL | c(UL)us LISTED | CB C€ RoHS

The FL04-M is lightweight and weighs just 21.5kg for the 1200W version, making installation and maintenance easier without sacrificing performance. It has a mounting bracket allowing a 100mm horizontal adjustment and can rotate at a wide angle of 0-270°, providing accurate and even lighting for the entire field. This ensures precise positioning and uniform distribution of light, making it suitable for professional playing fields. The FL04-M also features a lens and glass double protection system to protect the light source, reduce light attenuation, and prevent dust accumulation, making it suitable for environments with wind and sand.
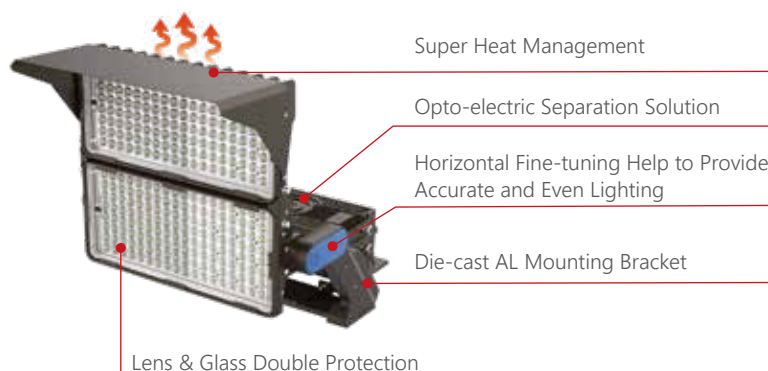
1500W

1200W/ 1000W/ 800W

600W/ 500W/ 400W

Lightweight & Cost Saving

The FL04-M flood sports light is a high-power module designed for stadiums. It can provide up to 600W of power with a single module, thanks to the high-power LED chips. FL04-M stadium light is light weight in design. The 1200W version weighs just 21.5 kg, it is lighter than other stadium lights with similar power in the market. This makes installation and maintenance easier without sacrificing performance.


Super Heat Management

Opto-electric Separation Solution

Horizontal Fine-tuning Help to Provide Accurate and Even Lighting

Die-cast AL Mounting Bracket

Lens & Glass Double Protection

Driver Optional

Wattage	Driver
400W/500W/600W	Moso, Diver Box + Inventronics/uPowerTek
800W/1000W/1200W	HDe, Moso, Diver Box + Inventronics/uPowerTek
1500W	HDe, Moso, Diver Box + Inventronics/uPowerTek

78.5mm
502mm
150.8mm
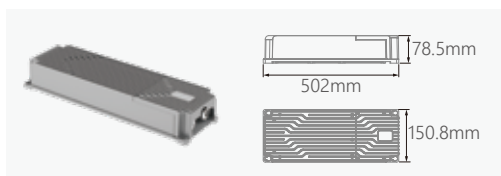
HDE-1800STH500C (Unisolated driver)

Net Weight: 6kg
Dimming: 0-10V / DALI / DMX (3-in-1 Dimmer, but can only use one of them at the same time.)

Moso Driver

HDe Driver

81mm
500mm
150mm
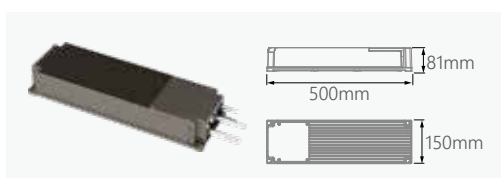
Moso S6 Series

Net Weight: 6.4kg
Dimming: DALI / DMX (3-in-1 Dimmer, but can only use one of them at the same time.)

Moso Driver

Driver Box+Inventronics/
uPowerTek Driver

137mm
5.39"

196mm
7.72"

446mm/ 17.56"

HDe Driver

Moso Driver
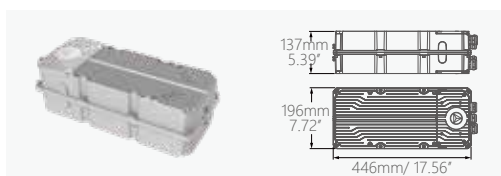
Net Weight: 8.5kg
Dimming: DALI / DMX (3-in-1 Dimmer, but can only use one of them at the same time.)

SPECIFICATIONS

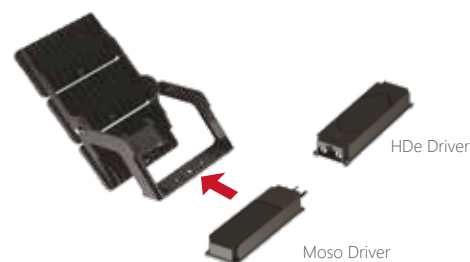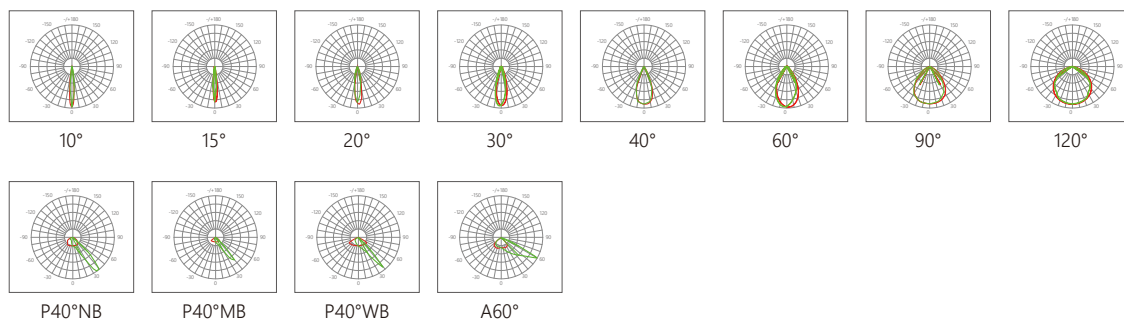| Model No.	HD-FL04-M-400W/ 500W/ 600W	HD-FL04-M-800W/ 1000W/ 1200W	HD-FL04-M-1500W
Wattage	400W/ 500W/ 600W	800W/ 1000W/ 1200W	1500W
Light Efficiency	130Lm/W-140Lm/W @5700K, Ra70		
Lumen Flux (@5700K) (±10%)	52,000Lm-84,000Lm	104,000Lm-168,000Lm	195,000Lm-210,000Lm
Beam Angle	10° / 15° / 20° / 30° / 40° / 60° / 90° / 120° / P40°NB / P40°MB / P40°WB / A60°		
CCT	3000K/ 4000K/ 5000K/ 5700K		
CRI	70, 80, 90, TLCI 90 Optional		
SDCM	<5		
Input Voltage	AC100-277V / AC200-480V / AC277-480V		
Power Factor	0.95		
THD	<20%		
Surge Protection	10KV / 20KV Optional		
Protection Against Electric	Class I		
IP	IP66		
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)		
Intelligent Control	0-10V Dimming, DALI, DMX512		
Warranty	5 Years, 7 Years Optional		
Certificate	UL / CUL / CB / CE / ENEC / RoHS		
LED Brand	Samsung, Lumileds		
Driver Brand	HDe, Inventronics, Moso		
Structure	Die-casting / High Thermal Conductivity AL		
Finish	Powder Coated		
Cover	Glass+Polycarbonate		
Color	Bronze (RAL7022)		

Photometric Diagrams

| 10° | 15° | 20° | 30° | 40° | 60° | 90° | 120° |

| P40°NB | P40°MB | P40°WB | A60° |

Parameters

618.5mm (24.35") — 690mm (27.17")
355.4mm (13.99")

Watt: 400W/ 500W/ 600W
EPA: 1.72 ft²
CTN: 660*600*330mm
(25.98*23.62*12.99in)
N. W Without Driver: 14.5kg (31.97 lbs)
(±0.5) : Driver Box: 6kg (13.2 lbs)

618.5mm (24.35") — 780.4mm (30.72")
607.8mm (23.93")

Watt: 800W/ 1000W/ 1200W
EPA: 3.45 ft²
CTN: 930*672*330mm
(13.00*26.46*12.99in)
N. W Without Driver: 21.5kg (47.40 lbs)
(±0.5) : Driver Box: 6kg (13.2 lbs),
9.5kg (20.9 lbs)

588mm (23.15") — 87mm (3.43")
772mm (30.40")
570mm (22.44")

Watt: 1500W
EPA: 5.1 ft²
CTN: 1040*638*290mm
(40.94*25.12*11.42in)
N. W Without Driver: 30kg (66.14 lbs)
(±0.5) : Driver Box: 6kg (13.2 lbs),
12.4kg (27.3 lbs)

RGB & RGBW Solutions Optional

FL04-S

The FL04-S LED floodlight series sets the trend for modern stadium lighting applications.

**IP66** Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

The series utilizes a Lens + glass optical structure for precise positioning and uniform light distribution, making it suitable for professional competition venues and numerous harsh environments. Thanks to its high-power LED chips, it can deliver up to 500W of power with a single module and achieves a maximum luminous efficacy of 170 lm/W. The luminaire features an optoelectronic separation design, enabling easy implementation of DMX control, DIP switch power and beam angle adjustment, SYNAPSE wireless module control, and other functions. Additionally, its installation and maintenance are more cost-effective, and its superior heat dissipation performance ensures a 5-year warranty for the luminaire.
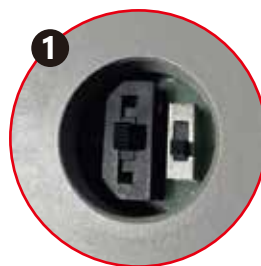
300W/ 400W/ 500W

Optic & Wattage Adjustable Flood Lighting Solutions

The FL04-S features 3-in-1 power adjustment and 3-in-1 & 4-in-1 angle adjustment. Easy adjustment through the dip switch, not only applies to more venue lighting, but also reduces transportation costs and inventory for distributors.
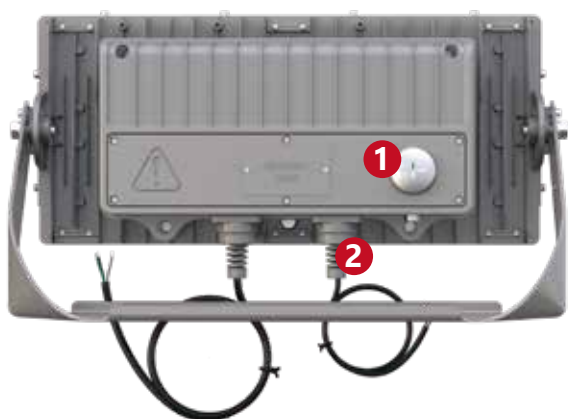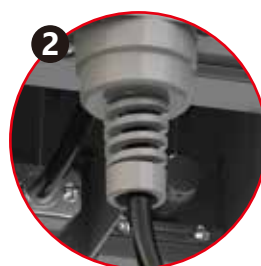
3-in-1 Wattage Adjustable

500W: 300W-400W-500W

1

3-in-1 & 4-in-1 Optic Adjustable

20° -30° -40°

30° -45° -60° -80°

2

Wire connectors

Anti-bend wire kink-resistant connector, protects wires from twisting.

Customizable high-power lighting solutions

The FL04-S luminaire ensures excellent heat dissipation, higher strength corrosion resistance, and single-mode power up to 500W. It can be customized to meet the needs of lighting site-specific solutions.

Lightweight & Cost Saving

The FL04-S flood sports light is a high-power module designed for stadiums. Thanks to its high-power LED chips, it can provide up to 500W of power with a single module and has a maximum luminous efficacy of 170 lm/W. The FL04-S is lightweight in design, making it lighter than other stadium lights with similar power on the market. This lightweight design not only simplifies installation and maintenance but also ensures high performance.


Lens & Glass Double Protection

The luminous surface of the FL04-S contains a dual protection system of lens and glass. The lens ensures better control of light distribution, while the glass protects the lens from environmental factors, reducing light attenuation and increasing the life of the light source. In addition, the glass surface prevents the accumulation of dust and debris, making it particularly suitable for harsh environments such as sand and wind.
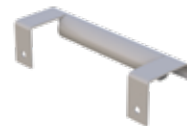
Handle

Handle for easy transportation, easy to adjust the angle when installing, and improve work efficiency and safety.
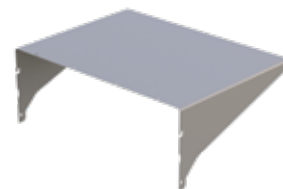
Visor

Visor help to introduce precise light control to the court, dramatically reducing glare and spillage and enhancing the on-court experience.
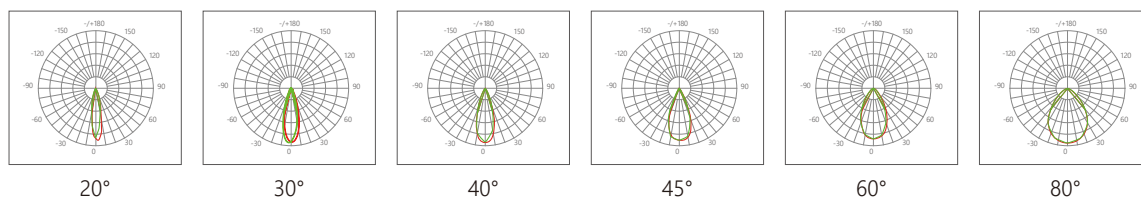
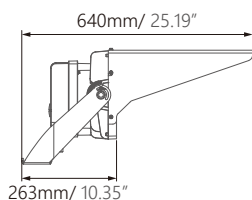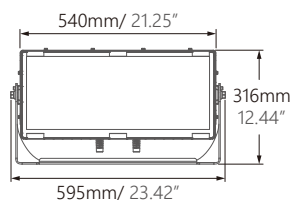Built-in Power Supply   External Power Supply

SPECIFICATIONS

Model No.	HD-FL04-S-500W
Wattage	300W/ 400W/ 500W
Wattage Selectable	500W- 400W- 300W
Light Efficiency	170Lm/W @5700K, Ra70
Lumen Flux (@5700K)	51,000Lm-85,000Lm
Beam Angle	20° / 30° / 40° / 45° / 60° / 80°
Beam Angle Selectable	20°- 30°- 40° , 30°- 45°- 60°- 80° Optional
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K
CRI	70, 80, 90, TLCI 90 Optional
SDCM	≤5
Input Voltage	AC200-480V
Power Factor	≥0.95
Percent Flicker (%)	< 1%
THD	≤15%
Surge Protection	10KV
Protection Against Electric	Class I
IP	IP66
IK	IK08
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)
Intelligent Control	0-10V, DMX, DALI
Warranty	5 Years
Certificate	CE / CB / ENEC / RoHS
LED Brand	Osram, Bridgelux
Driver Brand	uPowerTek, Powerland, Moso
Structure	Die-casting / High Thermal Conductivity AL
Finish	Powder Coated
Cover	PC+Glass
Color	Silver Gray (RAL9006)

Photometric Diagrams

| 20° | 30° | 40° | 45° | 60° | 80° |

Parameters

540mm/ 21.25″
316mm 12.44″
595mm/ 23.42″
640mm/ 25.19″
263mm/ 10.35″

Watt: 300W/ 400W/ 500W
EPA: with visor: 4.46 ft²
without visor: 1.69 ft²
CTN: 660*600*330mm (25.98*23.62*12.99in)
N. W (±0.5) : 12.5kg (27.56 lbs)

FL03 (Horizontal)

FL03 is a high-power modular flood light with a power coverage of 300W-2400W and a light efficiency of 150lm/W.

IP65 Wet Location | **IK08** Rating | ✓ **5 YEAR** WARRANTY

UL ᶜUL US LISTED CB CE EK SAA RoHS

HD Lighting's engineer has designed an adjustable angle of 0-35° visor for FL03, which has precise control of the areas of light distribution, allowing it to precisely illuminate the specified area. By finely tuning the visor's angle and position, the lighting can be directed with pinpoint accuracy to highlight specific areas or objects while minimizing light spillage in undesired areas. Also, the visor incorporates an internal prism reflection structure, making uniform illumination, low glare, and optimal utilization of light.

FL03 Combine Modular

1600W/2000W/2400W   300W/400W/500W/630W

800W/1000W/1260W

Humanized Handle Design, Kindly for High-altitude Operations

To enhance the simplicity and convenience of installing the FL03 stadium light, we have implemented a thoughtful design feature-two non-slip handles positioned at the rear of the product. These handles cater specifically to workers installing the product at elevated heights. Typically ranging between 8 to 40 meters. By incorporating these handles, we not only prioritize worker safety but also streamline installation processes, saving valuable time and reducing labor costs while mitigating associated risks.

Reliability and Safety Test

FL03 is a high-power modular product developed by our engineers. To ensure his reliability, we did various tests including a salt spray test, waterproof test, Integrate sphere test, 10 kV surge protection test, constant temperature and humidity test, thermal shock test, FL03 vibration test, and so on. Packaging vibration tests have been done to ensure its high packing standard, and safety during transportation.

Small Size and Light Weight Helps to Ensure Small Wind Resistance

The compact and lightweight design of FL03 lighting solutions makes it suitable for high-altitude operations and maintenance. Additionally, the smaller size helps to reduce wind resistance, ensuring the long-term stability of the structures even in severe weather conditions such as gales.

Utilize An Internal Prism Reflection Design to Optimize Light Distribution

The visor incorporates an internal prism reflection structure, making uniform illumination, low glare, and optimal utilization of light.

Driver Built-in/ External

Driver can be fixed behind the heat sink, and also be flexibly installed in a centralized power box located on the pole. This can reduce frequent maintenance tasks at elevated heights, minimizing potential safety hazards for workers. When utilizing an external driver, the driver unit and the light body are designed to be independently waterproof rating of up to IP68. Furthermore, when the driver and light body are installed in conjunction, the entire light guarantees a waterproof rating of IP66. This ensures superior protection against water ingress and enhances the overall durability and reliability of the lighting system as a whole.

Easy External Wiring

Design an external junction box that incorporates a reserved wiringposition along with a waterproof male-female joint. This can simplify the installation process and save precious time. Also, the wiring box ensures convenient operation and provides a secure and waterproof connection, ensuring the durability and reliability of the lighting system.
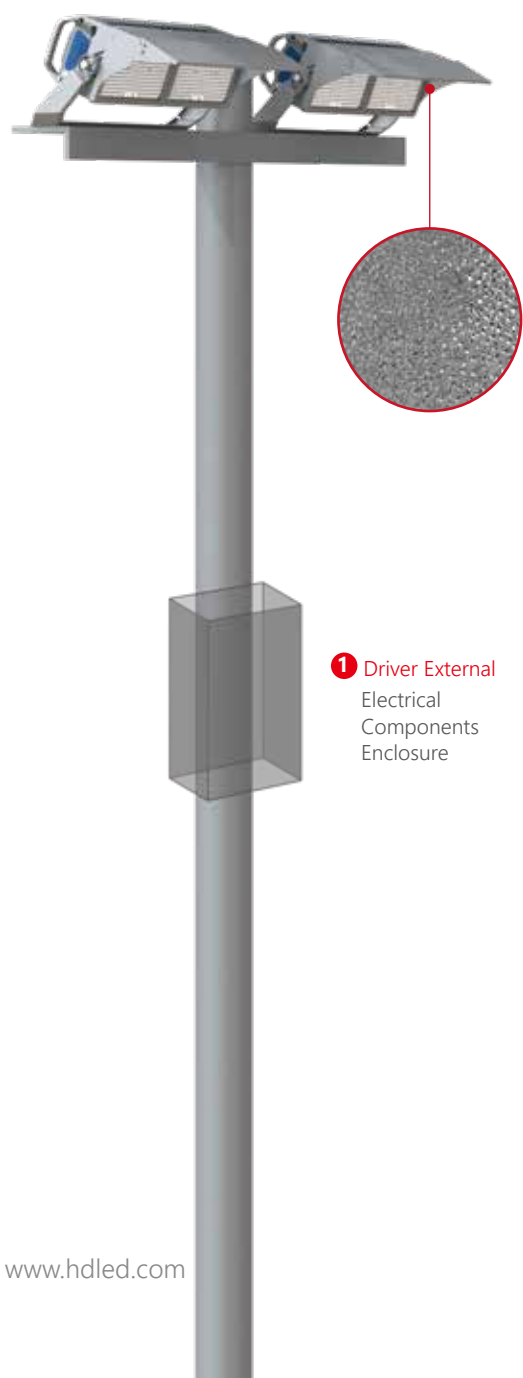
1 Driver External
Electrical Components Enclosure

2 Junction Box
When the driver is built-in, it will come with a junction box.
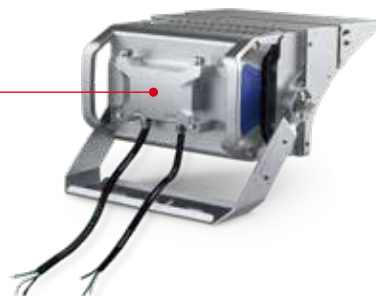
Adjustable Visor Help to Precision in Lighting Areas, Ensuring an Absolute Absence of Light Pollution

The visor can minimize the presence of unwanted spill light, and reduce the effects of residential areas. Adjustable visors have precise control of the areas of light distribution, allowing them to precisely illuminate the specified area. By finely tuning the visor's angle and position, the lighting can be directed with pinpoint accuracy to highlight specific areas or objects while minimizing light spillage in undesired areas. This level of control ensures that the illuminated space receives the ideal amount and direction of light, resulting in enhanced visibility, accentuated architectural features, and a tailored lighting experience for different applications and venues.

Indeed, when stadium light is operated without a visor, a portion of the luminous flux can be emitted as upward light and stray light, leading to some degree of light pollution. This upward light dispersion can have adverse effects on the surrounding residential areas and the overall lighting efficiency.

Other Sports Light
Without Visor

12% **Luminous Flux**
UP LIGHT & SPILL LIGHT

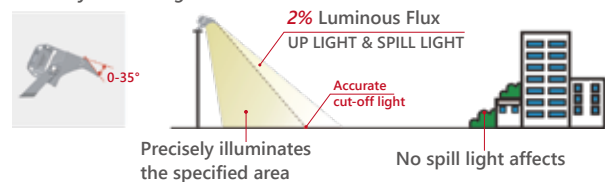**Spill light may affects residential areas**.
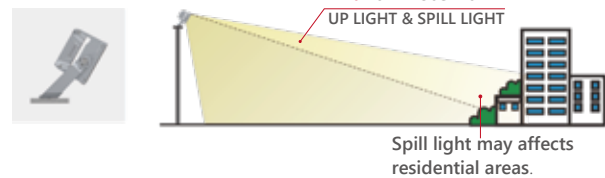
FL03 Stadium Light incorporates a visor that significantly mitigates light pollution. With the visor installed, the amount of stray light and upward light is reduced to a mere 2%, ensuring minimal impact on neighboring residential areas. This reduction in stray light helps to control light pollution and provides a more focused and efficient illumination.

FL03 Sports Light
With Visor

2% **Luminous Flux**
UP LIGHT & SPILL LIGHT

Visors can minimize the presence of unwanted stray light.
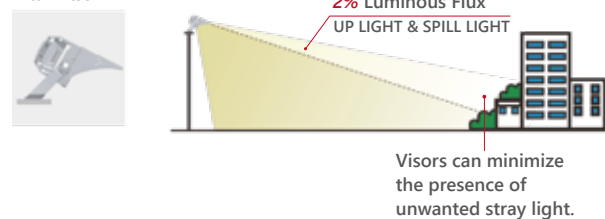
What's more, the adjustable angle feature of the visor allows for precise control of the light distribution. By adjusting the visor's angle, the FL03 Stadium Light can achieve a precise cut-off effect, precisely directing light to the designated area without unnecessary spills or glare. This level of precision ensures optimal lighting conditions for the intended area and minimizes any potential disturbances or disruptions in the surroundings.

FL03 Sports Light
With Adjustable Angle Visor

0-35°

2% **Luminous Flux**
UP LIGHT & SPILL LIGHT

Accurate cut-off light

Precisely illuminates the specified area

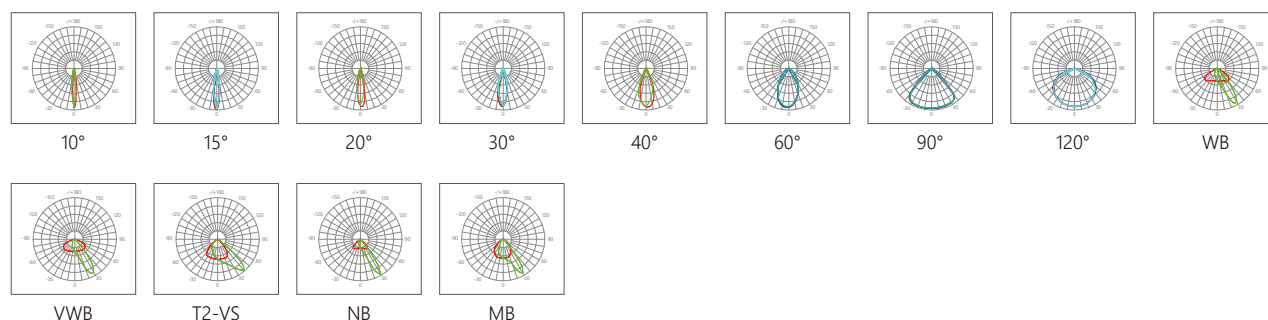**No spill light affects**

In summary, the inclusion of the visor with angle adjustment capabilities in the FL03 Stadium Light greatly improves its performance by reducing stray light and upward light, effectively mitigating light pollution concerns. This allows for accurate and efficient illumination, specifically targeted to the desired areas without impacting the neighboring residential zone.
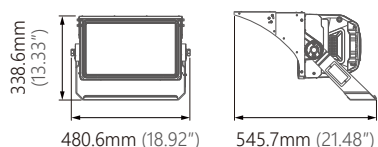
SPECIFICATIONS

Model No.	HD-FL03-300W/ 400W/ 500W/ 630W	HD-FL03-800W/ 1000W/ 1260W	HD-FL03-1600W/ 2000W/ 2400W
Wattage	300W/ 400W/ 500W/ 630W	800W/ 1000W/ 1260W	1600W/ 2000W/ 2400W
Light Efficiency	Up to 150Lm/W		
Lumen Flux (@5700K) (±10%)	45,000Lm-94,500Lm	120,000Lm-189,000Lm	240,000Lm-360,000Lm
Beam Angle	10° / 15° / 20° / 30° / 40° / 60° / 90° / 120° / WB / VWB / T2-VS / NB / MB		
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K		
CRI	70, 80, 90, TLCI 90 Optional		
SDCM	5		
Input Voltage	AC100-240V / AC200-240V / AC120-277V / AC200-480V		
Power Factor	0.95		
THD	<20%		
Surge Protection	10KV / 20KV Optional		
Protection Against Electric	Class I		
IP	IP65	IP65	IP66
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)		
Intelligent Control	0-10V, 1-10V Dimming, DALI, DMX 512		
Warranty	5 Years, 7 Years Optional		
Certificate	UL / CUL / CE / CB / ENEC / SAA / RoHS		
LED Brand	Samsung, Lumileds		
Driver Brand	Meanwell, Inventronics		
Structure	Die-casting / High Thermal Conductivity AL		
Finish	Powder Coated		
Lens	Polycarbonate		
Color	Gray		

Photometric Diagrams

| 10° | 15° | 20° | 30° | 40° | 60° | 90° | 120° | WB |

| VWB | T2-VS | NB | MB |

Parameters

338.6mm (13.33") | 480.6mm (18.92") | 545.7mm (21.48")
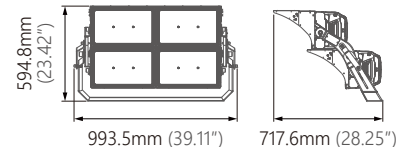
Watt: 300W/ 400W/ 500W/ 630W
EPA: with visor: 2.34 ft²
without visor: 1.7 ft²
CTN: 535*490*370mm
(21.06*19.29*14.57in)
N. W (±0.5) : 19kg (41.89 lbs)

338.6mm (13.33") | 891.1mm (35.08") | 545.7mm (21.48")
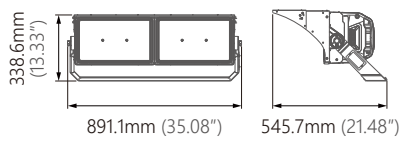
Watt: 800W/ 1000W/ 1260W
EPA: with visor: 4.61 ft²
without visor: 3.34 ft²
CTN: 960*490*370mm
(37.80*19.29*14.57in)
N. W (±0.5) : 40kg (88.18 lbs)

594.8mm (23.42") | 993.5mm (39.11") | 717.6mm (28.25")

Watt: 1600W/ 2000W/ 2400W
EPA: with visor: 6.24 ft²
without visor: 4.33 ft²
CTN: 1135*915*340mm
(44.66*36.02*13.39in)
N. W (±0.5) : 62kg (136.69 lbs)

FL03 (Vertical)

FL03's module combination, power from 1000W-1600W, suitable for large outdoor stadiums, airports, docks and other large places.

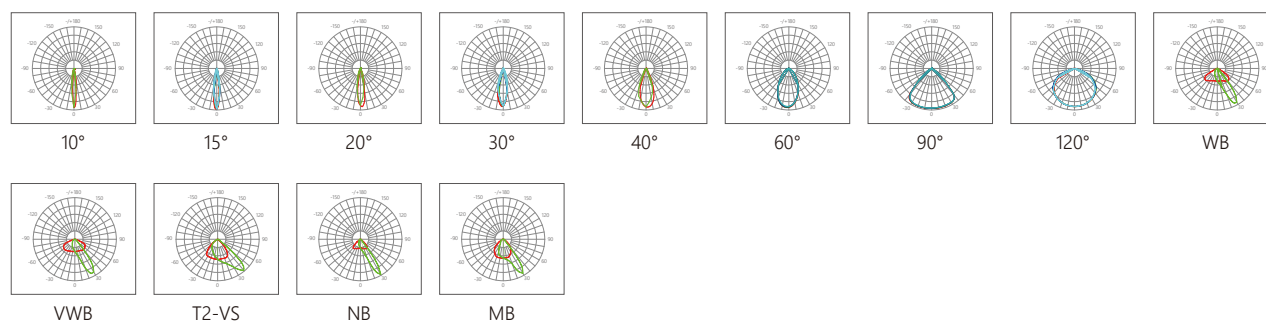**IP66** Wet Location | **IK08** Rating | ✔**5YEAR** WARRANTY

(UL) c(UL)us LISTED CB CE RoHS

1440W/ 1500W/ 1600W   1000W/ 1200W

SPECIFICATIONS

Model No.	HD-FL03-1000W/ 1200W	HD-FL03-1440W/ 1500W/ 1600W
Wattage	1000W/ 1200W	1440W/ 1500W/ 1600W
Light Efficiency	Up to 135Lm/W	
Lumen Flux (@5700K) (±10%)	135,000Lm-162,000Lm	194,400Lm-202,500Lm-216,000Lm
Beam Angle	10° / 15° / 20° / 30° / 40°/ 60° / 90°/ 120° / WB / VWB / T2-VS / NB / MB	
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K	
CRI	70, 80, 90, TLCI 90 Optional	
SDCM	5	
Input Voltage	AC100-240V / AC200-240V / AC120-277V / AC200-480V	
Power Factor	0.95	
THD	<20%	
Surge Protection	10KV / 20KV Optional	
Protection Against Electric	Class I	
IP	IP66	
IK	IK08	
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor	
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)	
Intelligent Control	0-10V, 1-10V Dimming, DALI, DMX 512	
Warranty	5 Years, 7 Years Optional	
Certificate	UL / CUL / CE / CB / ENEC / RoHS	
LED Brand	Samsung, Lumileds	
Driver Brand	Meanwell, Inventronics	
Structure	Die-casting / High Thermal Conductivity AL	
Finish	Powder Coated	
Lens	Polycarbonate	
Color	Gray	

Photometric Diagrams

| 10° | 15° | 20° | 30° | 40° | 60° | 90° | 120° | WB |

| VWB | T2-VS | NB | MB |

Parameters

532mm (20.94")
506mm (19.92") 456mm (17.95")

Watt: 1000W/ 1200W
EPA: 0.312 ft²
CTN: 506*707*540mm (19.92*27.83*21.26in)
N. W (±0.5): 32kg (70.55 lbs)

797mm (31.37")
502mm (19.76") 456mm (17.95")

Watt: 1440W/ 1500W/ 1600W
EPA: 0.384 ft²
CTN: 502*707*797mm (19.76*27.83*31.37in)
N. W (±0.5): 44.5kg (98.11 lbs)

LED FLOOD LIGHT

FL29

Econimic floodlights in small size for a wide range of applications.

IP66 Wet Location | **IK08** Rating | ✔ **5YEAR** WARRANTY

The FL29 LED Floodlight is available from 50W to 600W, an ideal economic choice for sports field, stadium, arena lighting, etc. It is small and easy to install, less inventory taking and suitable for both industrial lighting and even architectural lighting.

600W / 500W / 400W / 300W / 200W / 150W / 100W / 50W

Cutting-edge Unibody Design

The FL29 floodlight is available in 8 options from 50 to 600 watts to support a wide range of indoor and outdoor sporting event lighting applications. Die-cast structure one-piece molding design, stylish appearance, fast heat dissipation, applicable to a variety of harsh environments, ensure 5-year warranty.

❶ Glass + Lens

FL29 floodlight features a glass and lens combination for double protection, with anti-impact IK08 rating and high weather resistance. The glass shields the PC lens from UV rays, ensuring long-lasting high brightness illumination.

❷ Flexible Light Adjustment

FL29 floodlight is with flexible angle adjustment ±90 degrees. This allows for easy adjustment of the direction and coverage range of the lamp according to specific application requirements.
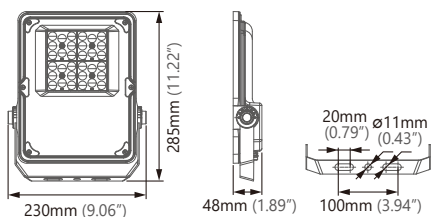
❸ Stability U-bracket

U-bracket is offers exceptional strength to withstand outdoor wind pressure, ensuring stability and reliability
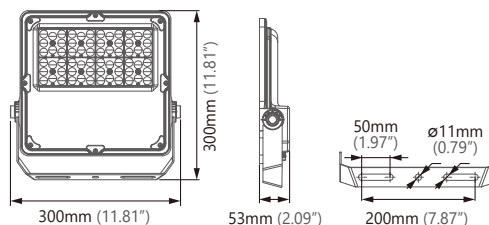
❹ Respiratory Valve

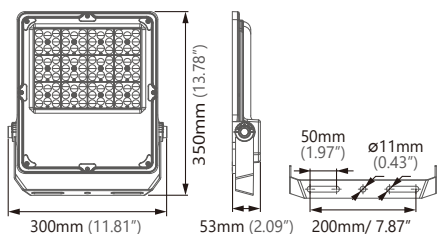Effective protection against temperature and air pressure balance inside and outside the luminaire.

Parameters (mm/ in)
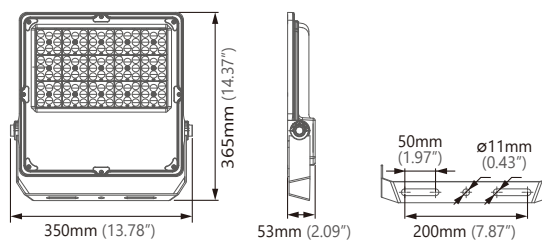
Watt: 50W
EPA: 0.76 ft²
CTN: 297*235*53mm (11.69*9.25*2.09in)
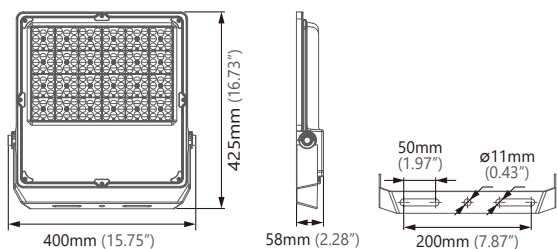**N. W (±0.5):** 1.44kg (3.17 lbs)

Watt: 100W
EPA: 0.88 ft²
CTN: 317*305*58mm (12.48*12.01*2.28in)
N. W (±0.5): 2.26kg (4.98 lbs)

Watt: 150W
EPA: 1.05 ft²
CTN: 367*305*58mm (14.45*12.01*2.28in)
N. W (±0.5): 3.64kg (8.02 lbs)

Watt: 200W
EPA: 1.29 ft²
CTN: 377*361*58mm (14.84*14.21*2.28in)
N. W (±0.5): 5.42kg (11.95 lbs)

Watt: 300W
EPA: 1.79 ft²
CTN: 437*411*63mm (17.20*16.18*2.48in)
N. W (±0.5): 8.18kg (18.03 lbs)
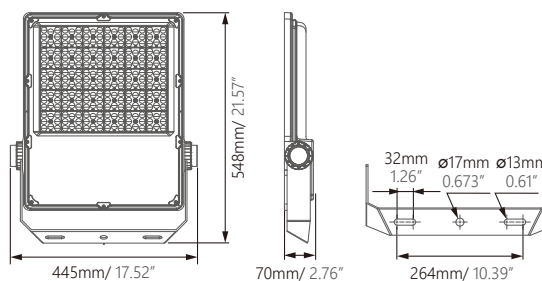
Watt: 400W
EPA: 2.7 ft²
CTN: 600*465*130mm (23.62*18.31*5.12in)
N. W (±0.5): 10.88kg (23.99 lbs)
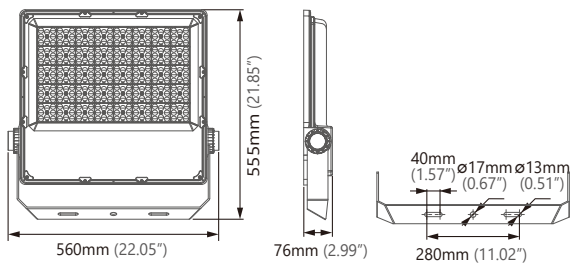
Watt: 500W
EPA: 2.99 ft²
CTN: 605*580*130mm (23.82*22.83*5.12in)
N. W (±0.5): 12.06kg (26.59 lbs)
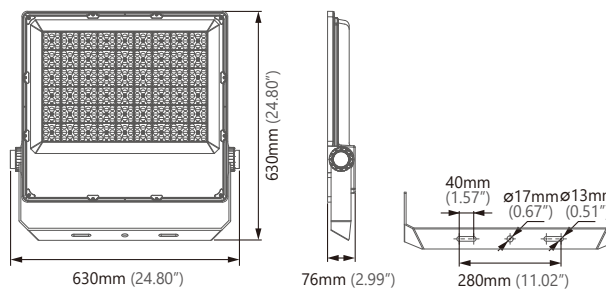
Watt: 600W
EPA: 3.87 ft²
CTN: 675*645*130mm (26.57*25.39*5.12in)
N. W (±0.5): 13.2kg (29.10 lbs)

SPECIFICATIONS

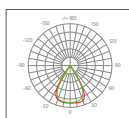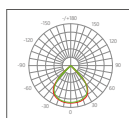| Model No.	HD-FL29-50W	HD-FL29-100W	HD-FL29-150W	HD-FL29-200W	HD-FL29-300W	HD-FL29-400W	HD-FL29-500W	HD-FL29-600W
Wattage (Standards)	50W	100W	150W	200W	300W	400W	500W	600W
Light Efficiency (@Beam90°)	160Lm/W							
Lumen Output (@4000K)	8,000Lm	16,000Lm	24,000Lm	32,000Lm	48,000Lm	64,000Lm	80,000Lm	96,000Lm
CCT (Standards)	3000K/ 4000K/ 5000K/ 5700K/ 6500K							
Beam Angle	60° / 90°							
CRI	70							
SDCM	≤5							
Input Voltage	AC 220-240V 50/ 60Hz							
Power Factor	≥0.90							
THD	≤20%							
Percent Flicker (%)	<10%							
Surge Protection	6KV							
Protection Against Electric	Class I							
IP	IP66							
IK	IK08							
EPA	0.76ft²	0.88ft²	1.05ft²	1.29ft²	1.79ft²	2.99ft²	2.99ft²	3.87ft²
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor							
Lifetime	50,000H (L70B50 @25°C) / (L70B50 @77°F)							
Warranty	5 Years							
Certificate	CE / RoHS							
LED Brand	Lumileds							
Driver Brand	Sosen, Moso, LiFud							
Structure	Diecasting/ ADC12							
Finish	Powder Coated							
Cover	Polycarbonate+Glass							
Color	Black							

Photometric Diagrams

60°

90°

FL23

3-in-1 CCT and Wattage Selectable Flood Light Solutions, Who Cost Down ≥10% Compare to Similar Flood Light.

175 Lm/W

IP66 Wet Location

IK08 Protection Provide

5 YEARS WARRANTY

3-IN-1 CCT Selectable Optional

3-IN-1 Wattage Selectable Optional

Reduced 50% Weight Only 13Kg, 500W/ 600W

CE CB RoHS

FL23 is a cost-effective, light weight, ultra-thin flood light that is at least 10% cheaper than similar options. It is commonly used in outdoor sports venues, swimming pools, industrial sites, logistics parks, car parks, outdoor billboards, road intersections, and architectural lighting.

200W/ 300W/ 400W/ 500W/ 600W/ 700W/ 800W

3-in-1 CCT and Wattage Selectable Solutions Optional

FL23 with 3-in-1 CCT and Wattage Selectable solution. allowing for flexible application in various locations. *This versatility facilitates better stock distribution for customers, reducing the risk of inventory backlog.*

ONLY FOR Non-isolated Driver:

3-in-1 CCT Selectable » »   3000K-4000K-5000K
4000K-5000K-5700K

Isolated and Non-isolated Driver are All Available:

3-in-1 Watt Selectable » » **400:** 200W-300W-400W
600: 400W-500W-600W
800: 600W-700W-800W

Up to 175Lm/W, Lens Customizable

Our flood light features high-efficiency LEDs (5050 or 2835) with excellent light output, low power consumption, and high temperature resistance. The maximum light efficiency reaches 175Lm/W, with options of 165Lm/W, making it a cost-effective choice. The 8-in-1 or 6-in-1 modular lens reduces the mold cost significantly. Customization is also available for lens types beyond the 25°, 60°, 90°, and asymmetric options.

Good Heat Management

➤ The FL23 utilizes high thermal conductivity die-casting AL material, ensuring excellent thermal conductivity.

➤ The separate installation of the driver and LEDs prevents heat effects on the driver.

➤ The convective hole facilitates rapid heat dispersion, enhancing the overall heat dissipation and maintaining performance stability.
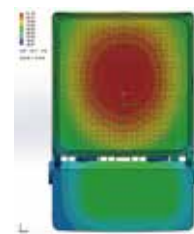
IP66 Dual Waterproof Reduce 10% Probability of Water Leakage

The driver cavity and LEDs cavity of FL23 are designed separately, allowing for independent waterproofing. This design reduces the leakage rate by 10% compared to integrated designs, improving stability and performance of the light.

Dual Breath Value Design

FL23 is equipped with metal breath valves in both the driver and LEDs cavities. These valves maintain a balanced airflow inside and outside the cavities, effectively preventing moisture mist from affecting the electrical components and reducing light attenuation caused by water mist on the luminous surface.

The metal sheet can be removable, without screws on the surface, and the appearance is complete.

Glass + Lens

FL23 floodlight features a glass and lens combination for double protection, with anti-impact IK08 rating and high weather resistance. The glass shields the PC lens from UV rays, ensuring long-lasting high brightness illumination.

Robust Bracket with 5-Degree Tick Marks

The u-bracket that offers good adjustments using a 5-degree tick marks knob, providing precise control over the direction of light. This flexibility, combined with its adaptable light types that include both symmetry and asymmetry, ensures accurate illumination in desired positions. This makes the FL23 an optimal choice for customers who prioritize high construction precision.

U-bracket is offers exceptional strength to withstand outdoor wind pressure, ensuring stability and reliability.

High light efficiency reaches up to 175Lm/W, with 165Lm/W optional.
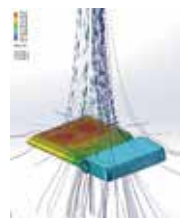
The convective hole facilitates rapid heat dispersion, enhancing the overall heat dissipation and maintaining performance stability.

The connection interfaces is reserved, DALI, 0-10V dimming optional.

Loop in/out Connection Available

We provide a dedicated port that facilitates easy loop in/out connection for multiple lights. This feature is particularly advantageous for lamp posts or areas that require multi-lighting, as it simplifies the wiring process and reduces wire costs. One flood light failure will not affect the operation of other lights, minimizing the impact of maintenance on site usage.

Input Voltage AC220-240V:						
Cable(mm²)	Loop in/out Connection Quantity (pcs)					
	200W	300W	400W	500W	600W	800W
1.0	6pcs	4pcs	3pcs	3pcs	2pcs	2pcs
1.5	9pcs	7pcs	5pcs	5pcs	3pcs	3pcs

NEMA and Zhaga Interfaces Available

NEMA and Zhage interfaces are reserved to select appropriate smart control according to different regions and habits, such as NEMA + Photocell, PIR Sensor, PIR Sensor + Remote Control, etc. .

## Both The Most Cost-Effective and The Longest Lifespan Options Are Available

The lowest cost option: Driver installed in the power cavity, open the back cover to replace the driver, high cost-effective.
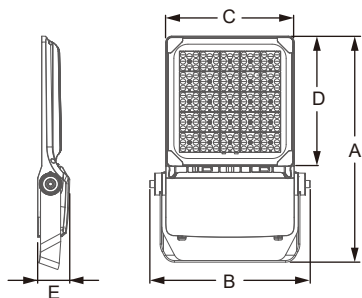
SPECIFICATIONS

Model No.	HD-FL23-200W/300W/400W	HD-FL23-400W/500W/600W	HD-FL23-600W/700W/800W
Wattage Standards	200W/ 300W/ 400W	400W/ 500W/ 600W	600W/ 700W/ 800W
Wattage Selectable	200W-300W-400W	400W-500W-600W	600W-700W-800W
Light Efficiency (@Beam90°)	165Lm/W	170Lm/W	175Lm/W
Lumen Flux (@5700K) (±10%)	33,000Lm-66,000Lm	68,000Lm-102,000Lm	105,000Lm-140,000Lm
Beam Angle	60° / 90°/ T2-VS, 25° / NB-P60° (5050)		
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K		
CCT Selectable	3000K-4000K-5000K, 4000K-5000K-6000K		
CRI	70		
SDCM	≤5		
Input Voltage	AC100-277V, AC220-240V		
Power Factor	≥0.90		
THD	<20%		
Percent Flicker (%)	<10%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP66		
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)		
Intelligent Control	ON / OFF Standards, (0-10V/ DALI 2.0 Optional)		
Warranty	5 Years		
Certificate	CE / CB / ENEC / RoHS		
LED Brand	Lumileds		
Driver Brand	Sosen, Inventronics, Powerland, uPowerTek (non-isolated / isolated)		
Structure	Die-casting / High Thermal Conductivity AL		
Finish	Powder Coated		
Cover	Polycarbonate+Glass		
Color	Gray		

Photometric Diagrams

25°	60°	90°	T2-VS	NB-P60°
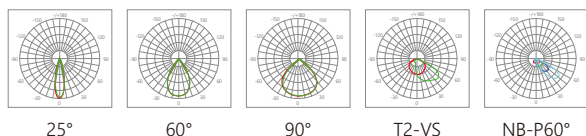
Parameters

Model No	Dimension (mm/ in)					N.W (kg/lbs)
	A	B	C	D	E	
HD-FL23-200/300/400W	580mm 22.83"	400mm 15.75"	308mm 12.12"	316mm 12.44"	80mm 3.15"	7.5 kg 16.5 lbs
HD-FL23-400/500/600W	750mm 29.53"	500mm 19.69"	400mm 15.74"	410mm 16.14"	80mm 3.15"	13.5 kg 29.8 lbs
HD-FL23-600/700/800W	812mm 31.97"	635mm 25"	577mm 22.72"	515mm 20.28"	84mm 3.31"	20 kg 44.1 lbs

One of The Most Popular Floodlights Among Agents

The FL23's expandable power box cover ensures superior performance and customizable aesthetics, meeting the needs of different agents in different regions and providing tailored solutions for specific customers.

HD-FL23-400W/600W

HD-FL23-800W

Star (FL17)

LED flood light series with wide power coverage from 100W to 600W, suitable for small or medium sports fields and areas, such as tennis courts, badminton courts, outdoor basketball courts, football training courts, parking lots, etc.

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

CB CE RoHS

Star is a small and medium power floodlight, designed for small and medium-sized stadium lighting and outdoor lighting in small areas. Star is a cost-effective and reliable lighting solution for small to medium areas, offering energy efficiency, durability, and ease of installation. It is suitable for various applications, providing adequate illumination for enhanced visibility and safety.
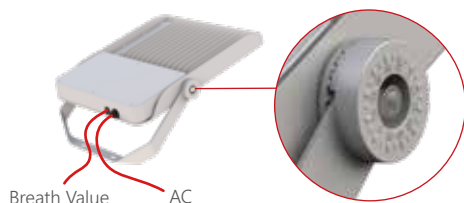
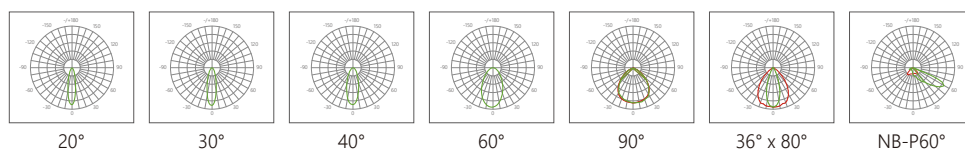| 600W | 450W/ 500W | 240W/ 300W 400W | 100W/ 150W 180W/ 200W |

Breath Value   AC

Robust Bracket with Tick Marks

The incremental 30-degree tick marks provide a reference system that allows for accurate aiming of the luminaires attached to the bracket. By adjusting the position of the hex head bolt along these tick marks, the angle and direction of the luminaires can be finely tuned to achieve the desired lighting arrangement. Overall, the incorporation of incremental 30-degree tick marks into the robust bracket enhances the aiming and alignment capabilities of the luminaires.

SPECIFICATIONS

Model No.	HD-FL17-100W/ 150W/ 180W/ 200W	HD-FL17-240W/ 300W/ 400W	HD-FL17-450W/ 500W	HD-FL17-600W
Wattage	100W/ 150W/ 180W/ 200W	240W/ 300W/ 400W	450W/ 500W	600W
Light Efficiency	140Lm/W-150Lm/W		145Lm/W-150Lm/W	
Lumen Flux (@5700K) (±10%)	14,000Lm~30,000Lm	33,600Lm~60,000Lm	62,250Lm~75,000Lm	87,000Lm~90,000Lm
Beam Angle	20° / 30° / 40° / 60° / 90° / 36° x 80° / NB-P60°			
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K (Lumileds) , 2700K/ 3000K/ 4000K/ 5000K/ 5700K/ 6500K (Brigdelux)			
CRI	≥70			
SDCM	≤5			
Input Voltage	AC200-240V			
Power Factor	≥0.90 (@220V & Full Load)			
THD	<20%			
Surge Protection	6KV / 10KV Optional			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)			
Intelligent Control	0-10V Dimming, DALI2.0			
Warranty	5 Years			
Certificate	CE / CB / ENEC / RoHS			
LED Brand	Lumileds, Brigdelux			
Driver Brand	Sosen, Inventronics			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Lens	Polycarbonate			
Color	Gray			

Photometric Diagrams

20°   30°   40°   60°   90°   36° x 80°   NB-P60°

Parameters

280mm (11.02")
444mm (17.48")   160mm (6.30")

Watt: 100W/ 150W/ 180W/ 200W
CTN: 465*365*115mm (18.31*14.37*4.53in)
N. W: 4.2kg (9.26 lbs) (±0.5)

382mm (15.04")
444mm (17.48")   164mm (6.46")

Watt: 240W/ 300W/ 400W
CTN: 495*465*115mm (19.49*18.31*4.53in)
N. W: 6.5kg (14.33 lbs) (±0.5)

525mm (20.67")
443mm (17.44")   217mm (8.54")

Watt: 450W/ 500W
CTN: 640*465*115mm (25.20*18.31*4.53in)
N. W: 9.8kg (21.65 lbs) (±0.5)

634mm (24.96")
443mm (17.44")   217mm (8.54")

Watt: 600W
CTN: 755*465*115mm (29.72*18.31*4.53in)
N. W: 12.8kg (28.22 lbs) (±0.5)

FL16

A cost-effective LED stadium flood light series. With excellent performance superior flexibility, small size, and lightweight with a low wind resistance coefficient.

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

c(UL)us LISTED   ENEC   DLC QPL LISTED™   (UL)®   CB   CE   RoHS

Help You Keep Inventory Healthy

FL16 is a modular LED stadium light that individually ensures continuous functioning, when individual LED failure is caused by a short or open circuit, effectively reducing maintenance costs. Component mode transportation reduces packaging and shipping costs, which is great for customers who need to assemble and stock preparation. Integrated design of the driver and heat sink with concealed wiring ensuring safety and aesthetics. Such as Ports, airports, outdoor sports grounds, stadiums, ball fields, squares, parking lots, terminal buildings, and other large outdoor places.

| 250W | 500W | 750W | 1000W |

Individual Modular

Ladder Module Help to Super Heat Dissipation

Ladder module design ensures excellent heat dissipation, resulting in stable and efficient longterm performance thanks to strong air convection.
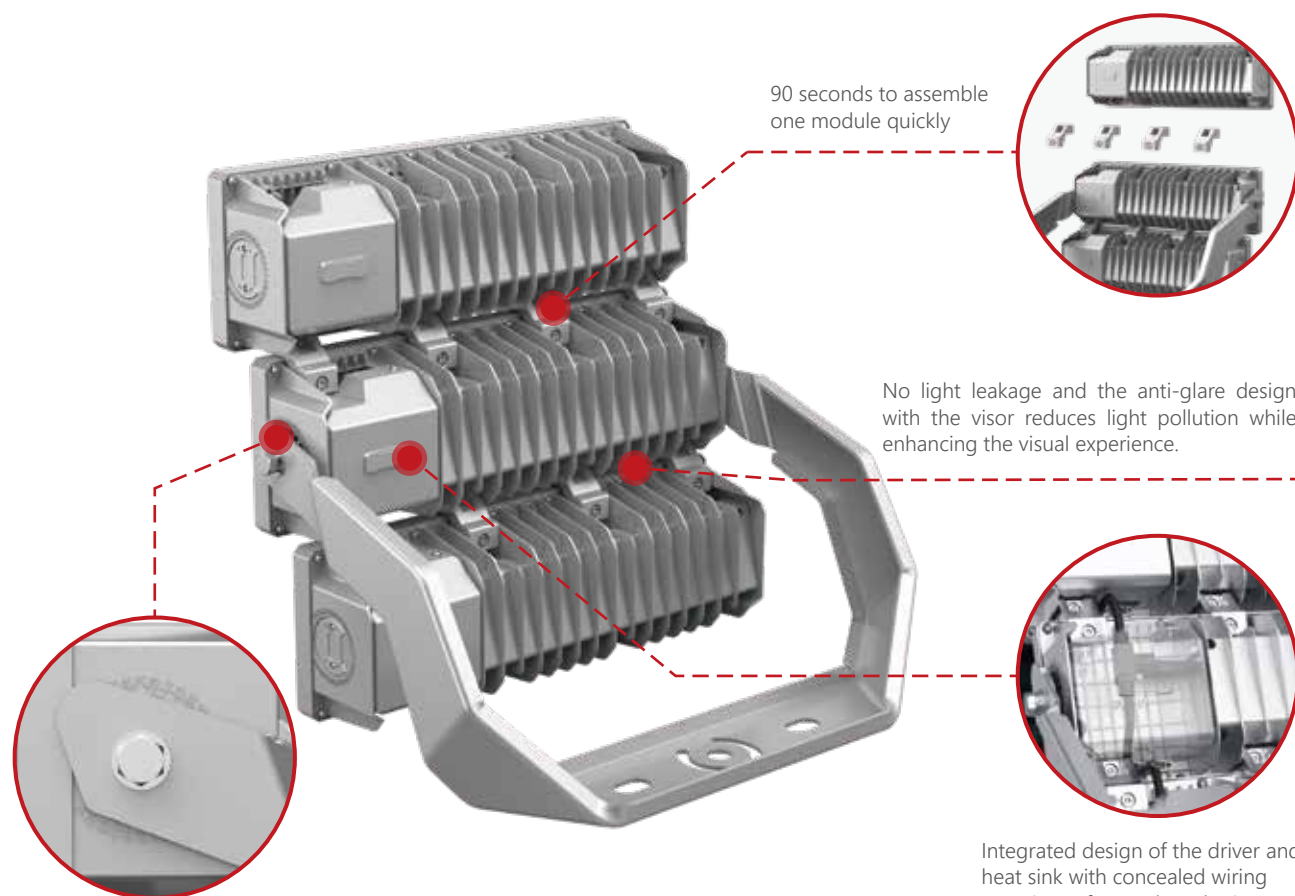
Most Cost-effective Way for Maintenance

Individual modular ensure continuous functioning with individual LED failure caused by a short or open circuit, effectively reducing maintenance costs.
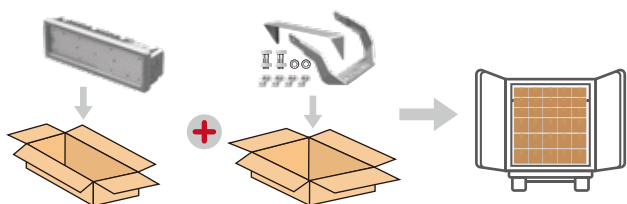
Reduced Shipping and Tariffs Costs

The import of accessories helps to reduce tariffs, component mode transportation reduces packaging and shipping costs, which is great for customers who need to assemble and stock preparation.
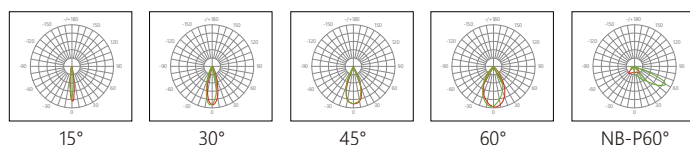
90 seconds to assemble one module quickly

No light leakage and the anti-glare design with the visor reduces light pollution while enhancing the visual experience.

Integrated design of the driver and heat sink with concealed wiring ensuring safety and aesthetics.

Infinitely adjustable bracket and can be installed upright and reversely in practical application.

SPECIFICATIONS

Model No.	HD-FL16-250W	HD-FL16-500W	HD-FL16-750W	HD-FL16-1000W
Wattage	250W	500W	750W	1000W
Light Efficiency (@5700K)	160Lm/W			
Lumen Flux (@5700K) (±10%)	40,000Lm	80,000Lm	120,000Lm	160,000Lm
Beam Angle	15° / 30° / 45° / 60° / NB-P60°			
CCT	3000K/ 4000K /5000K/ 5700K/ 6500K			
CRI	≥70, (80, 90 Optional)			
SDCM	≤6			
Input Voltage	AC100-240V			
Power Factor	≥0.9 @220V & Full Load			
THD	<20%			
Surge Protection	6KV / 10KV Optional			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor			
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)			
Intelligent Control	0-10V, DALI			
Warranty	5 Years, 7 Years Optional			
Certificate	UL / CUL / DLC / CB / CE / ENEN / RoHS			
LED Brand	Lumileds, Bridgelux			
Driver Brand	Sosen, Osram, Moso			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Cover	Polycarbonate + Glass			
Color	Gray			

Photometric Diagrams

15° 30° 45° 60° NB-P60°

Parameters

480mm (18.90") 203mm (7.99") 197mm (7.76")

484mm (19.06") 283mm (11.14") 347mm (13.66")

520mm (20.47") 454mm (17.87") 459.5mm (18.09")

520mm (20.47") 506.5mm (19.94") 612mm (24.09")

Watt: 250W
EPA: 0.93 ft²
CTN: 530*205*285mm (20.87*8.07*11.22in)
N. W (±0.5): 6kg (13.23 lbs)

Watt: 500W
EPA: 1.84 ft²
CTN: 535*360*265mm (21.06*14.17*10.43in)
N. W (±0.5): 11.8kg (26.01 lbs)

Watt: 750W
EPA: 2.76 ft²
CTN: 735*580*225mm (28.94*22.83*8.86in)
N. W (±0.5): 18.5kg (40.79 lbs)

Watt: 1000W
EPA: 3.68 ft²
CTN: 895*580*225mm (35.24*22.83*8.86in)
N. W (±0.5): 24kg (52.91 lbs)

FL2.5

**Modular flood & sports lights series which operates independently,
Special lighting for stadiums, wharves, squares, and other large places.**

💧 **IP66** Wet Location | 🔨 **IK08** Rating | ✓ **5YEAR** WARRANTY

(UL) c(UL)us LISTED ⊂B C€ ⊠ **RoHS**

FL2.5 flood sports light is a versatile, modular system that ranges from 300W to 1200W, with a single mode option of 300W. It has a high light efficiency of 150 lumens per watt and durable components made of aluminum alloy. The lenses are made of PC material for high transmittance and are protected by toughened glass. The FL2.5 modules operate independently, reducing maintenance costs. The floodlights can be adjusted within a ±30° angle and can be packaged in bulk for cost savings.

| 300W | 600W | 900W | 1200W |

Reduced Shipping, Tariffs and Warehouse Costs

Component mode transportation reduces packaging, shipping, and warehouse space.   This results in cost savings for freight, customs, and warehousing, particularly beneficial for distributors who require spare warehouses.

High Transmittance Lens

FL2.5 floodlight features a PC lens material with high transmittance and high light efficiency. This ensures efficient light distribution and reduces light loss.

Modular Design for Independent Operation

The FL2.5 floodlight is designed with modular units that can operate independently. If one module gets damaged, it doesn't affect the functioning of the other modules. This reduces maintenance costs and enhances the reliability of the overall lighting system.

Lens Protection and Light Attenuation Reduction

FL2.5 floodlight is equipped with toughened glass cover. This protects the lens from damage while effectively minimizing light attenuation over time.

Visor Optional

Flexible Light Adjustment

Each module of the FL2.5 floodlight can adjust the angle ±30° independently. This allows for easy adjustment of the direction and coverage range of the lamp according to specific application requirements.
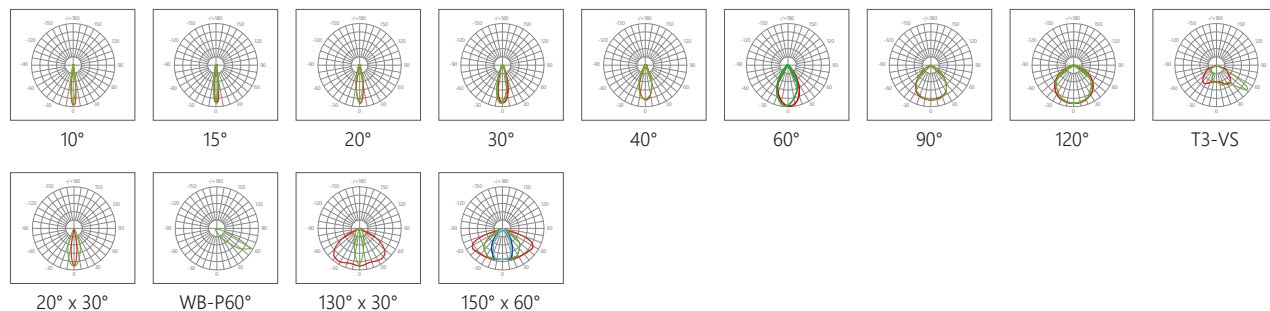
Easy to replace modules

Revolving the arrow to the horizontal of the bracket, slidable gear.
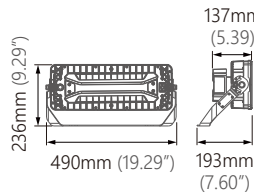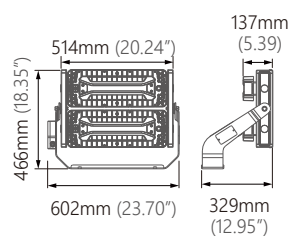FL2.5 modular units that can operate independently.

SPECIFICATIONS

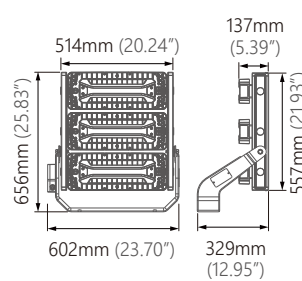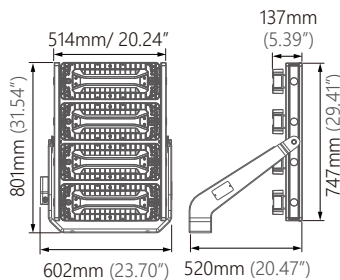| Model No.	HD-FL2.5-300WA-V-CD	HD-FL2.5-600WA-V-CD	HD-FL2.5-900WA-V-CD	HD-FL2.5-1200WA-V-CD
Wattage	300W	600W	900W	1200W
Light Efficiency (@5700K)	150Lm/W @10°, 15°, 20°, 30°, 40°, 60°, 90°, 120° / 120Lm/W @T3-VS, 130°x 30°, 150°x 60°, WB-P60°			
Lumen Flux (@5700K) (±10%)	45,000Lm-36,000Lm	90,000Lm-72,000Lm	135,000Lm-108,000Lm	180,000Lm-144,000Lm
Beam Angle	10°/ 15°/ 20°/ 30°/ 40°/ 60°/ 90°/ 120°/ T3-VS/ 20°x 30°/ WB-P60°/ 130°x 30°/ 150°x 60°			
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K			
CRI	70, 80, 90 Optional			
SDCM	≤6			
Input Voltage	AC100-277V / AC277-480V			
Power Factor	0.95			
THD	<20%			
Surge Protection	10KV / 20KV Optional			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	60,000H (L90B50 @25°C) / (L90B50 @77°F)			
Intelligent Control	0-10V , 1-10V , DALI-2			
Warranty	5 Years, 7 Years Optional			
Certificate	UL / CUL / CB / CE / ENEC / RoHS			
LED Brand	Lumileds			
Driver Brand	Sosen, Samsung, Bridgelux			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Cover	Glass+Polycarbonate			
Color	Black			

Photometric Diagrams

10°   15°   20°   30°   40°   60°   90°   120°   T3-VS

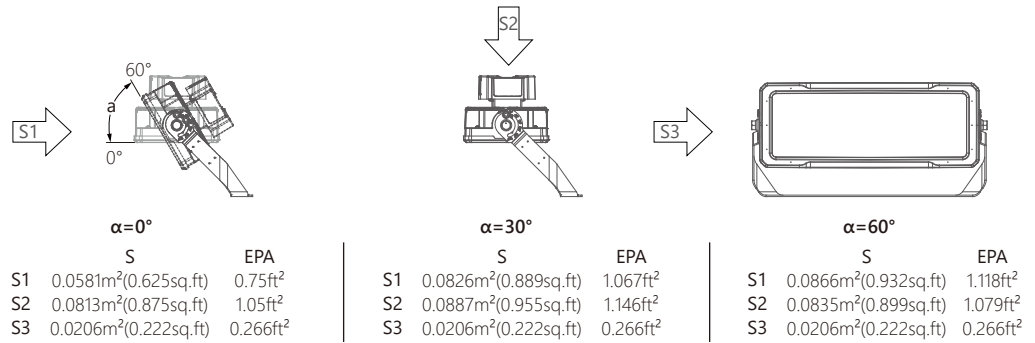20° x 30°   WB-P60°   130° x 30°   150° x 60°
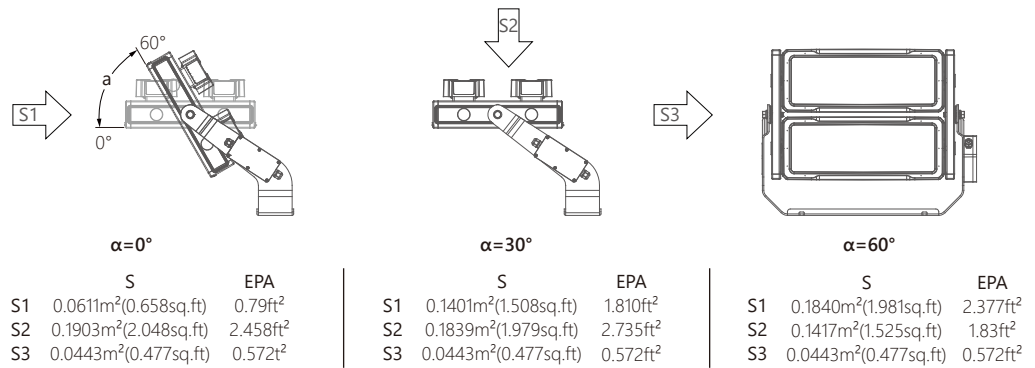
Parameters

236mm (9.29")   490mm (19.29")   137mm (5.39)   193mm (7.60")

Watt: 300W
CTN: 530*345*190mm
(20.87*13.58*7.48in)
N. W: 6.3kg (13.89 lbs)
(±0.5)

466mm (18.35")   514mm (20.24")   602mm (23.70")   137mm (5.39)   329mm (12.95")

Watt: 600W
CTN: 650*640*240mm
(25.59*25.20*9.45in)
N. W: 15.4kg (33.95 lbs)
(±0.5)

656mm (25.83")   514mm (20.24")   602mm (23.70")   137mm (5.39")   557mm (21.93")   329mm (12.95")

Watt: 900W
CTN: 650*630*260mm
(25.59*24.80*10.24in)
N. W: 23kg (50.71 lbs)
(±0.5)

801mm (31.54")   514mm/ 20.24"   602mm (23.70")   137mm (5.39")   747mm (29.41")   520mm (20.47")

Watt: 1200W
CTN: 1080*650*235mm
(42.52*25.59*9.25in)
N. W: 29.6kg (65.26 lbs)
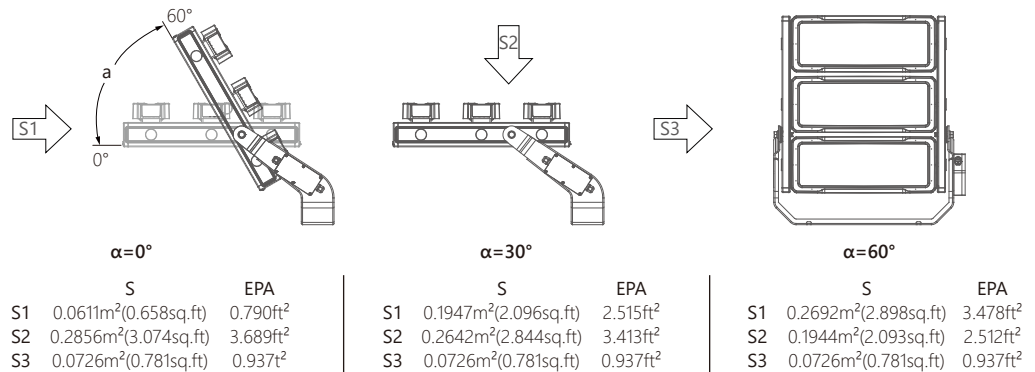(±0.5)

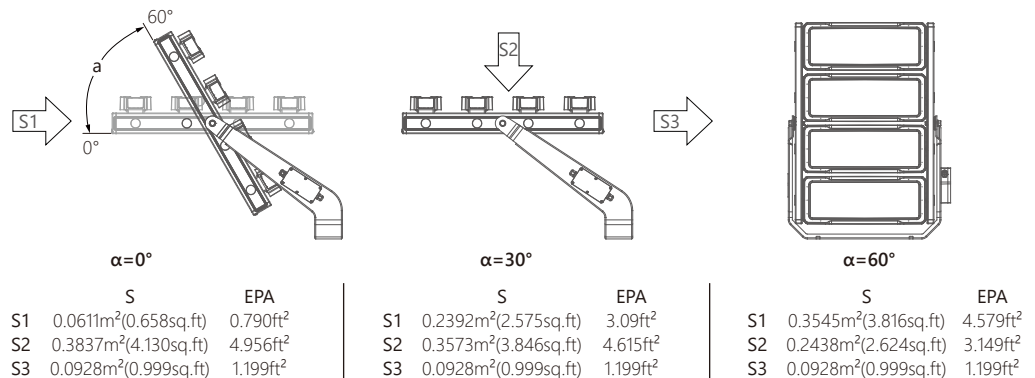# Maximum Projection Area and EPA (Without Visor)

Projection Area
300W

α=0°

	S	EPA
S1	0.0581m²(0.625sq.ft)	0.75ft²
S2	0.0813m²(0.875sq.ft)	1.05ft²
S3	0.0206m²(0.222sq.ft)	0.266ft²

α=30°

	S	EPA
S1	0.0826m²(0.889sq.ft)	1.067ft²
S2	0.0887m²(0.955sq.ft)	1.146ft²
S3	0.0206m²(0.222sq.ft)	0.266ft²

α=60°

	S	EPA
S1	0.0866m²(0.932sq.ft)	1.118ft²
S2	0.0835m²(0.899sq.ft)	1.079ft²
S3	0.0206m²(0.222sq.ft)	0.266ft²

Projection Area
600W

α=0°

	S	EPA
S1	0.0611m²(0.658sq.ft)	0.79ft²
S2	0.1903m²(2.048sq.ft)	2.458ft²
S3	0.0443m²(0.477sq.ft)	0.572t²

α=30°

	S	EPA
S1	0.1401m²(1.508sq.ft)	1.810ft²
S2	0.1839m²(1.979sq.ft)	2.735ft²
S3	0.0443m²(0.477sq.ft)	0.572ft²

α=60°

	S	EPA
S1	0.1840m²(1.981sq.ft)	2.377ft²
S2	0.1417m²(1.525sq.ft)	1.83ft²
S3	0.0443m²(0.477sq.ft)	0.572ft²

Projection Area
900W

α=0°

	S	EPA
S1	0.0611m²(0.658sq.ft)	0.790ft²
S2	0.2856m²(3.074sq.ft)	3.689ft²
S3	0.0726m²(0.781sq.ft)	0.937t²

α=30°

	S	EPA
S1	0.1947m²(2.096sq.ft)	2.515ft²
S2	0.2642m²(2.844sq.ft)	3.413ft²
S3	0.0726m²(0.781sq.ft)	0.937ft²

α=60°

	S	EPA
S1	0.2692m²(2.898sq.ft)	3.478ft²
S2	0.1944m²(2.093sq.ft)	2.512ft²
S3	0.0726m²(0.781sq.ft)	0.937ft²

Projection Area
1200W

α=0°

	S	EPA
S1	0.0611m²(0.658sq.ft)	0.790ft²
S2	0.3837m²(4.130sq.ft)	4.956ft²
S3	0.0928m²(0.999sq.ft)	1.199ft²

α=30°

	S	EPA
S1	0.2392m²(2.575sq.ft)	3.09ft²
S2	0.3573m²(3.846sq.ft)	4.615ft²
S3	0.0928m²(0.999sq.ft)	1.199ft²

α=60°

	S	EPA
S1	0.3545m²(3.816sq.ft)	4.579ft²
S2	0.2438m²(2.624sq.ft)	3.149ft²
S3	0.0928m²(0.999sq.ft)	1.199ft²

FL02

Modular flood & sports lights series which operates independently, special lighting for outdoor stadiums, wharves, squares, and other large places.

IP66 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

UL | cULus LISTED | CB | CE | ENEC | ✔ Reach | SAA | RoHS ErP

FL02 flood sports light is a versatile, modular system that ranges from 250W to 1250W, with a single mode option of 250W. It has a high light efficiency of 140 lumens per watt and durable components made of aluminum alloy. The FL02 modules operate independently, When one module doesn't work, other modules will not fail, reducing maintenance costs. A single module can be rotated making the lighting direction flexibly adjusted. The floodlights can be adjusted within a ±30° angle and can be packaged in bulk for cost savings.

250W   500W   750W   1000W   1250W

Modular Design for Independent Operation

The FL02 floodlight is designed with modular units that can operate independently. If one module gets damaged, it doesn't affect the functioning of the other modules. This reduces maintenance costs and enhances the reliability of the overall lighting system.

Reduced Shipping, Tariffs and Warehouse Costs

Component mode transportation reduces packaging, shipping, and warehouse space. This results in cost savings for freight, customs, and warehousing, particularly beneficial for distributors who require spare warehouses.

High Transmittance Lens

FL02 floodlight features a PC lens material with high transmittance and high light efficiency. This ensures efficient light distribution and reduces light loss.

Lens Protection and Light Attenuation Reduction

FL02 floodlight is equipped with toughened glass cover. This protects the lens from damage while effectively minimizing light attenuation over time.

Flexible Light Adjustment

Each module of the FL02 floodlight can adjust the angle ±30° independently. This allows for easy adjustment of the direction and coverage range of the lamp according to specific application requirements.
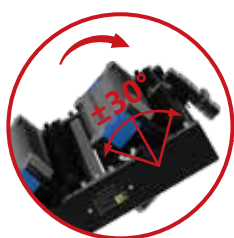
Revolving the arrow to the horizontal of the bracket, slidable gear.
FL02 modular units that can operate independently.
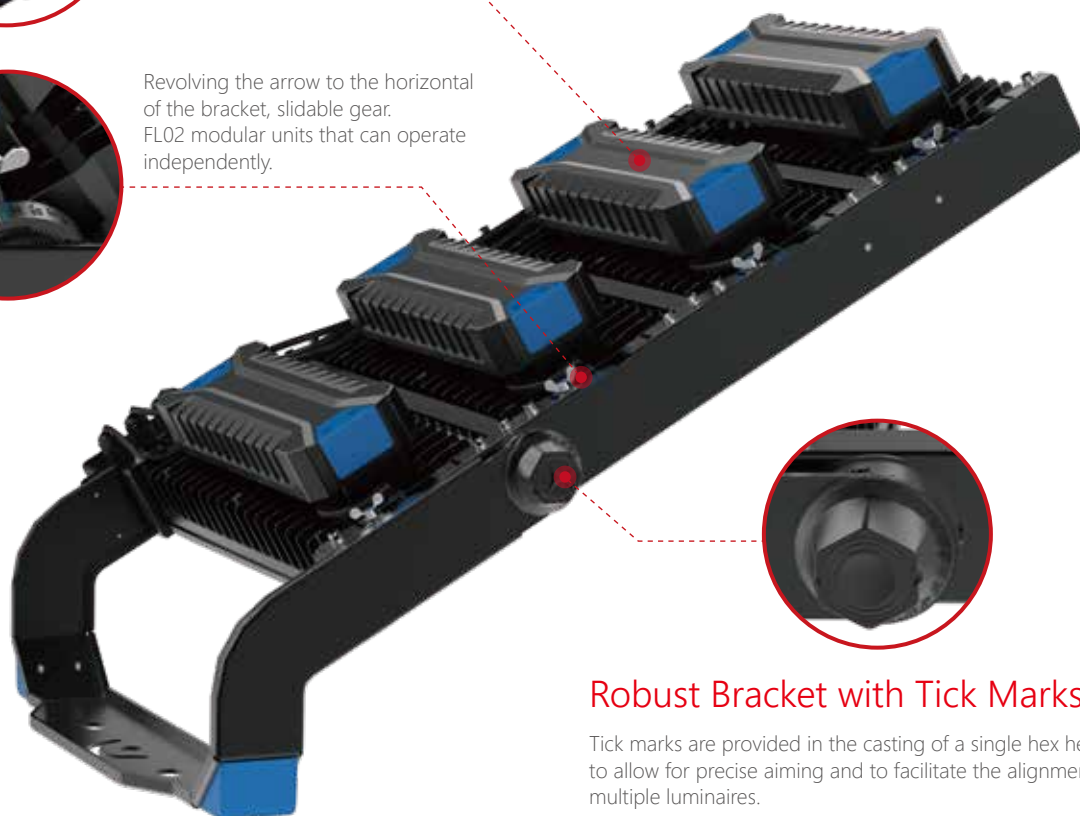
Robust Bracket with Tick Marks

Tick marks are provided in the casting of a single hex head bolt to allow for precise aiming and to facilitate the alignment of multiple luminaires.

Quikly Replace the Modular

Screw off the wing nuts and revolve it to 90°.
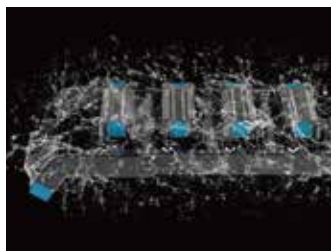

Fetch out the defective lights.

Put the lights to the clip, screw down the wing nuts to 90°angle. Insert the waterproof connector to the socket, light up the light.

Stability and Protection
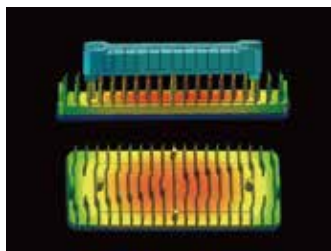
Temperature simulation, Driver temperature rise 32°, Chip temperature rise 60°.

IP66 Water-proof

Multiple Installation Available

U-Bracket Mounting

SF-Bracket Mounting

Hook and Sling Chain Mounting

Accessories Optional

Visor

Laser aiming device

RGB Color Optional

SPECIFICATIONS

Model No.	HD-FL02-250WA-V-CD	HD-FL02-500WA-V-CD	HD-FL02-750WA-V-CD	HD-FL02-1000WA-V-CD	HD-FL02-1250WA-V-CD
Wattage	250W	500W	750W	1000W	1250W
Light Efficiency	130Lm/W-140Lm/W				
Lumen Flux(@5700K) (±10%)	32,500Lm-35,000Lm	65,000Lm-70,000Lm	97,500Lm-105,000Lm	130,000Lm-140,000Lm	162,500Lm-175,000Lm
Beam Angle	10°/ 20°/ 30°/ 40°/ 60°/ 90°/ 120°/ 150° x 60°/ T3-VS/ 130° x 30°/ WB-P60				
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K, RGB Optional				
CRI	70 (80, 90, TLCI 90 Optional)				
SDCM	<5				
Input Voltage	AC200-240V / AC100-240V / AC200-480V				
Power Factor	0.95				
THD	<20%				
Surge Protection	10KV, 20KV Optional				
Protection Against Electric	Class I				
IP	IP65				
IK	IK08				
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor				
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)				
Intelligent Control	0-10V Dimming, DALI				
Warranty	5 Years, 7 Years Optional				
Certificate	UL / CUL / DLC / CB / CE / SAA / ENEC / RoHS / ErP / Reach				
LED Brand	Bridgelux, Lumileds, Samsung				
Driver Brand	Meanwell, Sosen, Inventronics				
Structure	Die-casting / High Thermal Conductivity AL				
Finish	Powder Coated				
Cover	Glass+Polycarbonate				
Color	Black				

Photometric Diagrams

10°   20°   30°   40°   60°   90°   150° x 60°   120°   T3-VS

130° x 30°   WB-P60°

Parameters

Watt: 250W
EPA: 1.146 ft²
CTN: 530*345*190mm
(22.87*13.58*7.48in)
N.W: 7.3kg (16.1 lbs)
(±0.5)

Watt: 500W
EPA: 2.735 ft²
CTN: 622*617*211mm
(24.49*24.29*8.31in)
N.W: 20.6kg (45.4 lbs)
(±0.5)

Watt: 750W
EPA: 3.689 ft²
CTN: 822*617*211mm
(32.36*24.29*8.31in)
N.W: 28kg (61.7 lbs)
(±0.5)

Watt: 1000W
EPA: 4.956 ft²
CTN: 1022*617*211mm
(40.24*24.29*8.31in)
N.W: 35kg (77.2 lbs)
(±0.5)

Watt: 1250W
EPA: 6.134 ft²
CTN: 1207*617*235mm
(47.52*24.29*9.25in)
N.W: 43.5kg (95.5 lbs)
(±0.5)

LED AREA LIGHT

SB05A 27 Fixtures in 1

LED area light with smart dimming and CCT-adjusting capabilities. It features 3-in-1 power, 3-in-1 color temperature adjusting and 3-in-1 adjustable angle functions. Power ranging from 60W to 400W, the SB05A is suitable for various outdoor lighting applications including parking lots, residential areas, streets, sidewalks, sports fields, campuses, parks, and industrial and commercial areas.

IP66 Wet Location | IK09 Rating | 5 YEAR WARRANTY

UL | c UL us LISTED | DLC LISTED | CE | CB | RoHS

The SB05A LED area light series consists of three models (S, M, and L) ranging in wattage from 60W to 400W, which features 3-in-1 wattage, 3-in-1 color temperature and 3-in-1 adjustable beam angle. The intelligent adjustment function greatly saves inventory space and transportation cost. These lights are suitable for outdoor parking lots, residential areas, streets, sidewalks, outdoor sports fields, campuses, parks and industrial/commercial areas.

100W

150W
200W

240W
300W
400W

Wattage and CCT Adjustable Area Lighting Solutions

1 3-in-1 Wattage Selectable

S   100W: 60W-80W-100W

M   150W: 80W-120W-150W
      200W: 120W-150W-200W

L   240W: 150W-200W-240W
      300W: 200W-240W-300W
      400W: 240W-300W-400W

2 3-in-1 CCT Selectable

Standards: 3000K-4000K-5000K
Optional: 4000K-5000K-5700K

3 Adjustable Angle T3, T4 and T5

PIR & Microwave Sensor Optional

Microwave and PIR sensor interfaces are reserved on the cover of the power box, which facilitates the extension of the functions required by customers.

Stability Driver & More Solution Optional

The heat sink design in the power box of the SB05A LED area light series is specifically engineered to ensure the stability of the driver. This design allows for quick and efficient spreading of heat, aiding in heat dissipation. It is compatible with driver brands such as LiFud, Sosen, and DONE, ensuring consistent cooling capacity regardless of the chosen power supply. This provides customers with a range of power options. Additionally, the SB05A LED area light utilizes a no-flicker lightning source, ensuring a comfortable and consistent illumination effect throughout the entire light.

Multiple Installation Brackets Available

| SF Bracket | EA Bracket | YK Bracket | 4-in-1 Multiple Bracket | TR Bracket |

Humanized Design to Save Maintenance Cost

The power box cover is connected to the lamp body with a rotating-link structure. By loosening two screws, the power box can be easily opened without the cover falling off. This convenient design allows for easier manual maintenance operations, improves safety during maintenance and operation, and helps reduce maintenance costs.

Rotate-Link Shaft

Power off switch

The heat sink in the power box for the driver.

Optional LiFud, Sosen,and DONE driver

Vents / Leaks Help Cool The Heat Sink & Prevent Water Accumulation.

Built-in Surge Protector

Sensor Interfaces
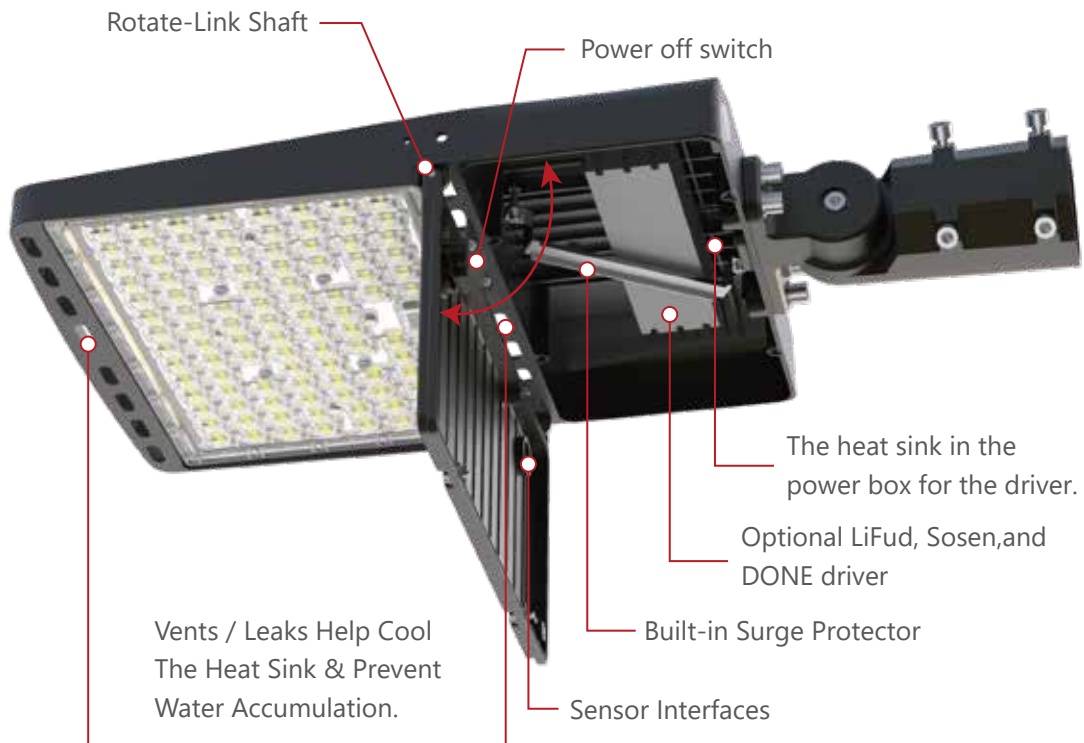
Vents Help Cool the Heat Sink & Prevent Water Accumulation

The heat sink in the SB05A LED area light series is made using the ADC12 die-casting aluminum process, which conducts heat quickly.
The design of the heat sink includes vents and encourages air convection, which aids in cooling the heat sink effectively. Additionally, this design feature helps prevent water accumulation, making it suitable for areas with high rainfall.

Light Control Solution Optional

Photocell

+ NEMA

Photocell

1 **Cost-Effective Light Controlled Accessories**

Photocell
Dusk to dawn photocell

2 **Multi-function Light Controlled Accessories**

NEMA+Photocell
3-PIN: Lighting Switch
5-PIN: Expandable DALI or 0-10V Dimming
7-PIN: Expandable DALI and 0-10V Dimming

SPECIFICATIONS

Model No.	HD-SB05A-100W	HD-SB05A-150W	HD-SB05A-200W	HD-SB05A-240W	HD-SB05A-300W	HD-SB05A-400W
Wattage	100W	150W	200W	240W	300W	400W
3-in-1 Wattage Selectable	100-80-60W	150-120-80W	200-150-120W	240-200-150W	300-240-200W	400-300-240W
Light Efficiency	150Lm/W (@4000K, Standards / @5000K, Optional)					
Lumen Flux (±10%)	9,000-15,000Lm	12,000-22,500Lm	18,000-30,000Lm	22,500-36,000Lm	30,000-45,000Lm	36,000-60,000Lm
3-in-1 Beam Angle	T3 / T4 / T5					
CCT	2700K / 3000K / 4000K / 5000K / 5700K / 6500K					
3-in-1 CCT Selectable	3000K-4000K-5000K, 4000K-5000K-5700K Optional					
CRI	70 / 80					
SDCM	<6					
Input Voltage	AC100-277V / AC120-347V / AC200-480V					
Power Factor	≥0.90					
THD	<20%					
Percent Flicker (%)	<20%					
Surge Protection	L-N: 4KV & L/N-GND: 6KV					
Protection Against Electric	Class I					
IP	IP66					
IK	IK09					
Operating Temp Range	-30°C~+45°C @Outdoor / -22°F~+113°F @Outdoor					
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)					
Intelligent Control	0-10V Dimming					
Warranty	5 Years					
Certificate	UL / CUL / DLC / CE / CB / RoHS					
LED Brand	Lumileds					
Driver Brand	MOSO, DONE					
Structure	Die-casting / High Thermal Conductivity AL					
Finish	Powder Coated					
Lens	PC					
Color	Bronze					

Photometric Diagrams

T3   T4   T5

Parameters

100W

67mm (2.64")
313mm (12.32")
287mm (11.30")
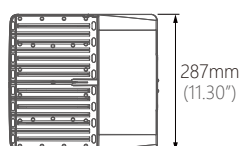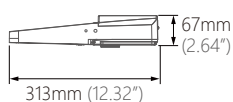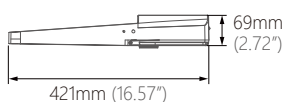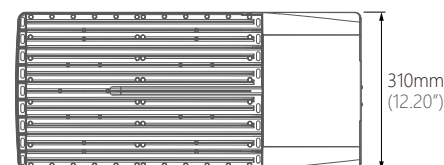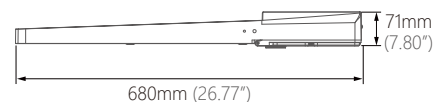
Watt: 60-80-100
EPA: 0.94 ft²
CTN: 370*340*120mm (14.57*13.39*4.72in)
N. W (±0.5): 2.25kg (4.96 lbs)

150W/ 200W

69mm (2.72")
421mm (16.57")
310mm (12.20")
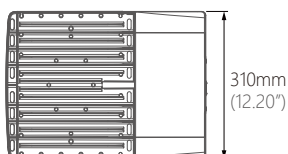
Watt: 80-120-150-200
EPA: 1.36 ft²
CTN: 480*360*120mm (18.90*14.17*4.72in)
N. W (±0.5): 3.21kg (7.08 lbs)

240W/ 300W/ 400W

71mm (7.80")
680mm (26.77")
310mm (12.20")

Watt: 150-200-240-300
EPA: 2.23 ft²
CTN: 735*360*125mm (28.94*14.17*4.92in)
N. W (±0.5): 6.06kg (13.36 lbs)

SB05

LED area light series whose wattage and CCT can be adjustable. It's suitable for outdoor parking lots, residential areas, streets, sidewalks, outdoor sports fields, campuses, parks, and industrial/commercial areas.

IP66 Wet Location | **IK09** Rating | ✔ **5 YEAR** WARRANTY

CE CB UL cULus LISTED DLC RoHS

SB05 LED area light series consists of three models (S, M, L) Power ranging from 50W to 500W. It features 4-in-1 power and 3-in-1 color temperature adjusting functions. These lights are suitable for outdoor parking lots, residential areas, streets, sidewalks, outdoor sports fields, campuses, parks, and industrial/commercial areas. The M and L models of the SB05 series share the same lens, resulting in cost savings for molds and materials.

100W/ 150W/ 200W

240W/ 300W

400W/ 500W

Wattage And CCT Adjustable Solutions

■ *4-in-1 Power Selectable*

S
100W: 50W-65W-80W-100W
150W: 80W-100W-120W-150W
200W: 100W-120W-150W-200W

M
240W: 120W-150W-200W-240W
300W: 150W-200W-240W-300W

L
400W: 200W-240W-300W-400W
500W: 240W-300W-400W-500W

■ *3-in-1 CCT Selectable*

Standards：3000K-4000K-5000K
Optional：4000K-5000K-5700K

S: 100W/ 150W/ 200W

M: 240W/ 300W

L: 400W/ 500W

Vents Help Cool the Heat Sink & Prevent Water Accumulation

The heat sink in the SB05 LED area light series is made using the ADC12 die-casting aluminum process, which conducts heat quickly. The design of the heat sink includes vents and encourages air convection, which aids in cooling the heat sink effectively. Additionally, this design feature helps prevent water accumulation, making it suitable for areas with high rainfall.

Humanized Design to Save Maintenance Cost

The power box cover is connected to the lamp body with a rotating-link structure. By loosening two screws, the power box can be easily opened without the cover falling off. This convenient design allows for easier manual maintenance operations, improves safety during maintenance and operation, and helps reduce maintenance costs.

High Light Efficiency Up to 160 LM/W

The lens is made of high-transmittance material, and its high light efficiency is 160 Lm/W.

Series Design, Widely Applications

SB05 LED area light series consists of three models (S, M, L) with power ranging from 50W to 500W. These lights are suitable for outdoor parking lots, residential areas, streets, sidewalks, outdoor sports fields, campuses, parks, and industrial/commercial areas. The M and L models of the SB05 series share the same lens, resulting in cost savings for molds and materials

Rotate-Link Shaft

Power off switch

The heat sink in the power box for the driver.

Optional LiFud, Sosen, and DONE driver.

Built-in Surge Protector

Vents / Leaks Help Cool The Heat Sink & Prevent Water Accumulation.

Sensor Interfaces
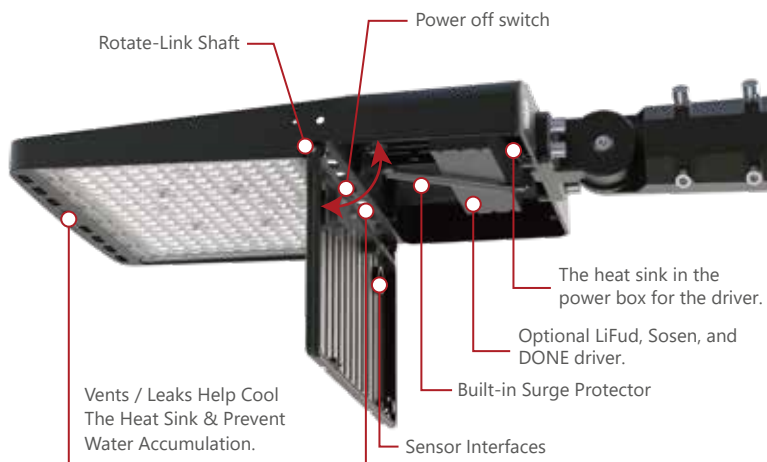
Stability Driver & More Solution Optional

The heat sink design in the power box of the S05 LED area light series is specifically engineered to ensure the stability of the driver. This design allows for quick and efficient spreading of heat, aiding in heat dissipation. It is compatible with driver brands such as LiFud, Sosen, and DONE, ensuring consistent cooling capacity regardless of the chosen power supply. This provides customers with a range of power options. Additionally, the SB05 LED area light utilizes a no-flicker lightning source, ensuring a comfortable and consistent illumination effect throughout the entire light.

PIR & Microwave Sensor Optional

Microwave and PIR sensor interfaces are reserved on the cover of the power box, which facilitates the extension of the functions required by customers.

Light Control Solution Optional
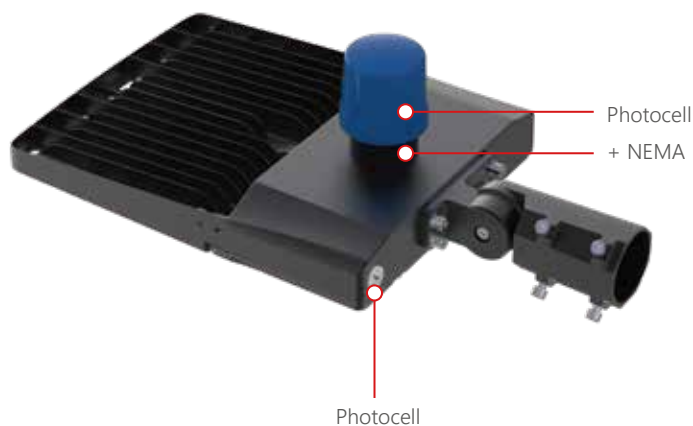
Photocell
+ NEMA

Photocell

1 **Cost-Effective Light Controlled Accessories**

Photocell
Dusk to dawn photocell

2 **Multi-function Light Controlled Accessories**

NEMA+Photocell
3-PIN: Lighting Switch
5-PIN: Expandable DALI or 0-10V Dimming
7-PIN: Expandable DALI and 0-10V Dimming

Mounting Options

| SF Bracket | EA Bracket | 4-in-1 Multiple Bracket | YK Bracket | TR Bracket |

SPECIFICATIONS

Model No.	HD-SB05-100W	HD-SB05-150W	HD-SB05-200W	HD-SB05-240W	HD-SB05-300W	HD-SB05-400W	HD-SB05-500W
4-in-1 Wattage Selectable	50-65-80-100W	80-100-120-150W	100-120-150-200W	120-150-200-240W	150-200-240-300W	200-240-300-400W	240-300-400-500W
Light Efficiency	160Lm/W (@4000K, Standards / @5000K, Optional)						
Lumen Flux (±10%)	8,000-16,000Lm	12,800-24,000Lm	16,000-32,000Lm	19,200-38,400Lm	24,000-48,000Lm	32,000-64,000Lm	38,400-80,000Lm
Beam Angle	T2 / T3 / T4 / T5						
3-in-1 CCT Selectable	Standards: 3000K-4000K-5000K, Optional: 4000K-5000K-5700K						
CRI	Ra≥70						
SDCM	≤6						
Input Voltage	AC100-277V / AC120-347V / AC200-480V						
Power Factor	≥0.90						
THD	≤20%						
Percent Flicker (%)	<20%						
Surge Protection	6KV / 10KV Optional						
Protection Against Electric	Class I						
IP	IP66						
IK	IK09						
Operating Temp Range	-40°C~+45°C @Outdoor / -40°F~+113°F @Outdoor						
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)						
Intelligent Control	0-10V Dimming						
Warranty	5 Years						
Certificate	CE / CB / UL / CUL / DLC / RoHS						
LED Brand	Lumileds						
Driver Brand	LiFud, Sosen, DONE, MOSO						
Structure	Die-casting / High Thermal Conductivity AL						
Finish	Powder Coated						
Lens	PC						
Color	Bronze						

Photometric Diagrams

T2

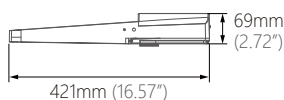T3

T4

T5

Parameters

100W/ 150W/ 200W

67mm (2.64″)
313mm (12.32″)
287mm (11.30″)
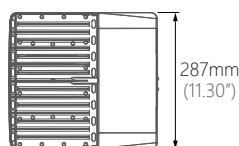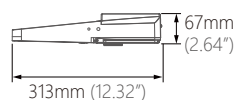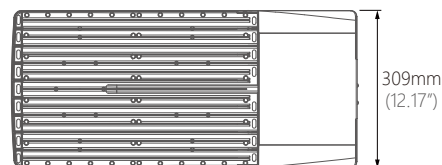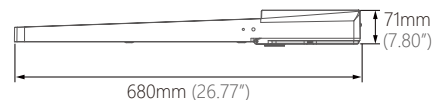
Watt: 100-120-150-200W
EPA: 1.13 ft²
CTN: 370*340*120mm (14.57*13.39*4.72in)
N. W (±0.5): 2.6kg (5.73 lbs)

240W/ 300W

69mm (2.72″)
421mm (16.57″)
310mm (12.20″)
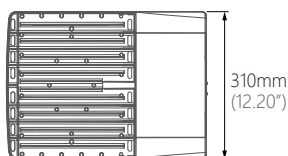
Watt: 120-150-200-240-300W
EPA: 1.64 ft²
CTN: 480*360*120mm (18.90*14.17*4.72in)
N. W (±0.5): 3.21kg (7.08 lbs)

400W/ 500W

71mm (7.80″)
680mm (26.77″)
309mm (12.17″)

Watt: 200-240-300-400-500W
EPA: 2.68 ft²
CTN: 735*360*125mm (28.94*14.17*4.92in)
N. W (±0.5): 6.06kg (13.36 lbs)

SB06

SB06 is a smart design LED area light that can replace the lenses with tool-free, for the convenience of distributors to storage.

IP66 Wet Location | **IK08** Rating | ✔ **5YEAR** WARRANTY

UL | c(UL)us LISTED | DLC® | CE | CB | RoHS

Help Your Inventory Keep Fit

By being able to easily swap out lenses, distributors can adjust the lighting options based on customer demands without having to stock multiple variations of the entire light fixture. This flexibility can help streamline inventory management and reduce costs associated with excess inventory.

100W/ 150W/ 200W/ 240W/ 300W/ 400W/ 500W

Effective Heat Dissipation Management

The heat sink is designed with water outlet holes, enabling the generation of a chimney effect for improved heat dissipation performance. Additionally, the heat sink remains free of water and dust accumulation, ensuring its longevity. With a large illuminated surface, the heat from the light beads is evenly dispersed, resulting in excellent heat dissipation.

High Power Stability

The power supply is installed with a grid-like heat sink design, enabling effective conduction of heat away from the driver. This ensures the longevity and stability of the power supply.
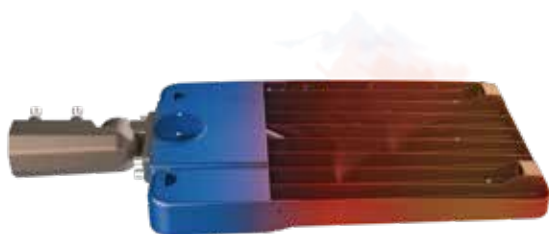
Multiple Configurations Available

- Optional NEMA or MINI photocell to meet different customer price and usage requirements.

- Multiple surge protectors option

Conducive to Stocking and Reducing Inventory Risks

By being able to easily swap out lenses, distributors can adjust the lighting options based on customer demands without having to stock multiple variations of the entire light fixture. This flexibility can help streamline inventory management and reduce costs associated with excess inventory.

Break the buckle

90°

90°
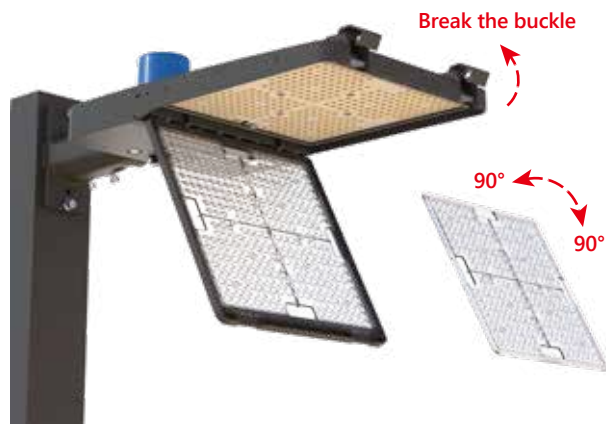
ADC12 and Anti-corrosion Surface Treatment

The luminaire body is made of ADC12 die-cast aluminum, with an outdoor powder-coating surface treatment. Undergone a 500-hour salt spray test, demonstrating excellent corrosion resistance.

High Light Transmittance Lens

Use a high-transparency lens (Brand TEIJIN 1250Z), with a high light transmittance of up to 90%. Its excellent heat resistance, UV resistance, and impact resistance, allow for prolonged reduction of light loss.

Wattage and CCT Selectable Area Light

SB06 features a 4-in-1 power adjusting and 3-in-1 CCT adjusting. It utilizes the M32 oversized switch space for convenient customer operation.

■ 4-in-1 Wattage Selectable

S   100W: 50W-65W-80W-100W
150W: 80W-100W-120W-150W
200W: 100W-120W-150W-200W

M   240W: 120W-150W-200W-240W
300W: 150W-200W-240W-300W

L   400W: 200W-240W-300W-400W
500W: 240W-300W-400W-500W

■ 3-in-1 CCT Selectable

Standards: 3000K-4000K-5000K
Optional: 4000K-5000K-5700K

Save Maintenance Costs

Just like the lens opening mechanism, the driver box can also be opened without tools. This is very convenient for the later maintenance of the power supply, saving time and costs for maintenance.

Tool-free quick replacement of lenses: The lens cover uses snap-locking for easy removal and replacement, without needing any tools, which is conducive to stocking and is one of the best choices for distributors and agents.

Screwless lens fixation: There are no screws between the lens and the heat sink, enabling the fast replacement of the lens and enhancing maintenance efficiency.

Versatility of lenses: The lens can be installed by rotating 90 degrees to the left or right according to specific lighting requirements, making it suitable for special lighting scenarios.

Stable light distribution effect: By securing the lens with a strong magnet, it compensates for displacement caused by thermal expansion, ensuring a stable light distribution effect.

Dual breather valves: Maintain airflow balance inside the lens chamber, preventing fogging, and improving the stability and reliability of the product.

Light Control Solution Optional

1 Cost-Effective Light Controlled Accessories

Photocell
3-PIN: Lighting Switch

Photocell

2 Multi-function Light Controlled Accessories

Photocell + NEMA

NEMA+Photocell
3-PIN: Lighting Switch
5-PIN: Expandable DALI or 0-10V Dimming
7-PIN: Expandable DALI, 0-10V Dimming and other functions
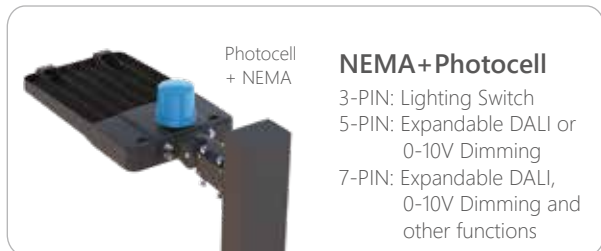
Multiple Installation Brackets Available

SF, EA, TR, YK, and 4-in-1 multiple brackets are available to meet different installation environments.

SF Bracket   EA Bracket   YK Bracket
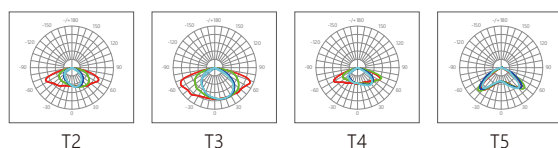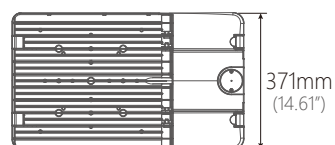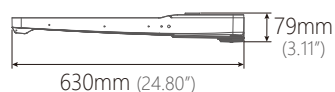
TR Bracket   4-in-1 Multiple Bracket

SPECIFICATIONS

Model No.	HD-SB06-100W	HD-SB06-150W	HD-SB06-200W	HD-SB06-240W	HD-SB06-300W	HD-SB06-400W	HD-SB06-500W
4-in-1 Wattage Selectable	50-65-80-100W	80-100-120-150W	100-120-150-200W	120-150-200-240W	150-200-240-300W	200-240-300-400W	240-300-400-500W
Light Efficiency	160Lm/W (@4000K, Standards / @5000K, Optional)						
Lumen Flux (±10%)	8,000Lm-16,000Lm	12,800Lm-24,000Lm	16,000Lm-32,000Lm	19,200Lm-38,400Lm	24,000-48,000Lm	32,000Lm-64,000Lm	38,400Lm-80,000Lm
Beam Angle	T2 / T3 / T4 / T5						
3-in-1 CCT Selectable	Standards: 3000K-4000K-5000K Optional: 4000K-5000K-5700K						
CRI	70, 80 Optional						
SDCM	<6						
Input Voltage	AC100-240V / AC100-277V / AC120-347V / AC200-480V						
Power Factor	0.95						
THD	<20%						
Surge Protection	6KV / 10KV Optional						
Protection Against Electric	Class I						
IP	IP66						
IK	IK08						
Operating Temp Range	-40°C~+45°C @Outdoor / -40°F~+113°F @Outdoor						
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)						
Intelligent Control	0-10V Dimming						
Warranty	5 Years						
Certificate	CE / CB / UL / CUL / DLC / RoHS						
LED Brand	Lumileds						
Driver Brand	Lifud, Sosen, DONE						
Structure	Die-casting / High Thermal Conductivity AL						
Finish	Powder Coated						
Lens	PC						
Color	Bronze						

Photometric Diagrams

T2   T3   T4   T5

Parameters

79mm (3.11")
630mm (24.80")
371mm (14.61")
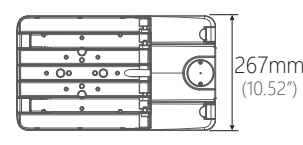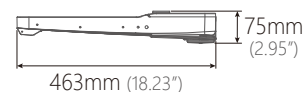
Watt: 400W/ 500W
EPA: 2.93 ft²
CTN: 680*420*130mm (26.77*16.54*5.12in)
N. W (±0.5) : 6.41kg (14.13 lbs)

75mm (2.95")
504mm (19.84")
310mm (12.20")
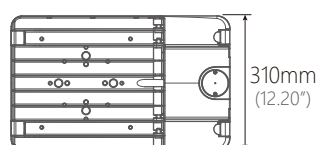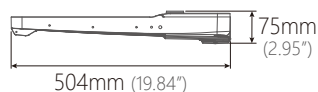
Watt: 240W/ 300W
EPA: 1.95 ft²
CTN: 555*360*115mm (21.85*14.17*4.53in)
N. W (±0.5) : 3.94kg (8.68 lbs)

75mm (2.95")
463mm (18.23")
267mm (10.52")

Watt: 100W/ 200W
EPA: 1.54 ft²
CTN: 515*315*115mm (20.28*12.40*4.53in)
N. W (±0.5) : 3.26kg (7.18 lbs)

LED HIGHBAY LIGHT

HB19

Angle Adjustable UFO High Bay

IP65
Wet Location

IK08
Rating

5 YEAR
WARRANTY

The HB19 Angle Adjustable High Bay sets a new standard in industrial lighting by offering wattage/ CCT options from 60W to 240W, combined with a fully adjustable 3-in-1 optical lens that allows precise customization of the beam angle to 60°, 90°, or 110°. This flexibility provides optimal illumination across a wide range of applications, from warehouses and industrial facilities to large retail environments, making it an adaptable solution for various lighting needs.

100W/ 150W   200W   240W

27 fixtures in 1

Three additional switch on the housing allows for easy adjustment of the beam angle between 60°, 90° and 110°, power adjustable and CCT selectable. This innovative design not only simplifies installation, but also minimizes the need for multiple high bay models, significantly reduces storage space, reduces SKUs, simplifies logistics, and ultimately provides a more efficient and cost-effective solution, resulting in a significant reduction in operating costs.

Adjustable Angle 60°, 90° and 110°

Wattage & CCT Selectable

Power (W)	LOW (C)	MID (B)	HIGH (A)
	60W	80W	100W
	80W	120W	150W
	120W	150W	200W
	150W	200W	240W

CCT (K)	A (CW)	A+B (NW)	B (WW)
	5700K	5000K	4000K
	5000K	4000K	3000K

Efficient Heat Dissipation

The heat sink consists of die-cast aluminum profiles that ensure fast heat conduction and excellent heat dissipation. The rapid heat transfer effectively increases the lifespan of the luminaire.

Installation Optional

U-Bracket Mounting

Hook Mounting

UGR<28

The HB19 provides exceptional lighting comfort, with a UGR<28 , this means it produces minimal glare, making it comfortable for workers and reducing the risk of eye strain or discomfort. Additionally, it meets the DLC Premium standards.

Most Budget-friendly Highbay

As one of the most budget-friendly solutions on the market, the HB19 is equipped with high-performance Lumileds 2835 LEDs and a reliable Moso driver, delivering superior efficiency with up to 160 lm/W.

Sensor Optional

HB19 includes a sensor base that makes it easy to install microwave sensors, which can be configured to adjust brightness and hold time, saving additional energy and costs. A remote is also available for an additional level of control.

REMOTE CONTROL	MVS SENSOR	DIMMING	DAYLIGHT HARVESTING

Accessories Optional

Aluminium reflector	PC reflector	Dust-proof cap	±90° adjustable bracket, Fixed on driver	Remote controller
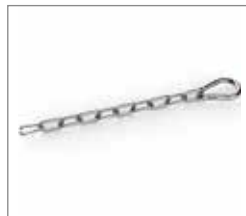
Sling chain	Hook	Safety rope	Microwave motion sensor

SPECIFICATIONS

Model No.	HD-HB19-100W	HD-HB19-150W	HD-HB19-200W	HD-HB19-240W
Wattage	100W	150W	200W	240W
Wattage Selectable	60W-80W-100W	80W-120W-150W	120W-150W-200W	150W-200W-240W
Light Efficiency	160Lm/W @4000K, 90° or 110°			
Lumen Flux (@4000K)	16,000Lm	24,000Lm	32,000Lm	38,400Lm
Beam Angle	60° / 90° / 110°			
CCT Selectable	3000K-4000K-5000K, 4000K-5000K-5700K Optional			
CRI	70, 80 Optional			
SDCM	<7			
Input Voltage	AC100-277V / AC120-347V /AC200-480V			
Power Factor	≥0.9 (@230V & Full load)			
THD	≤20%			
Percent Flicker (%)	<20%			
Protection Against Electric	Class I			
IP	IP65			
IK	IK08			
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor			
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)			
Intelligent Control	0-10V			
Warranty	5 Years			
Certificate	CE / CB / UL / CUL / DLC / ErP / RoHS			
LED Brand	Lumileds 2835			
Driver Brand	MOSO			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Lens	Polycarbonate			
Color	Black			

Photometric Diagrams

60°　　90°　　110°

Parameters

Φ295mm (Φ11.61")　112mm (4.41")
Φ320mm (Φ12.60")　117mm (4.61")
Φ326mm (Φ12.83")　121mm (4.76")

Watt: 100W/ 150W
CTN: 310*310*145mm (12.20*12.20*5.71in)
N. W (±0.5): 1.5kg (3.31 lbs)
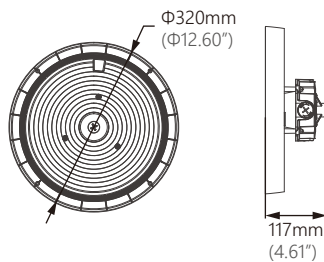
Watt: 200W
CTN: 335*335*160mm (13.19*13.19*6.30in)
N. W (±0.5): 1.85kg (4.08 lbs)
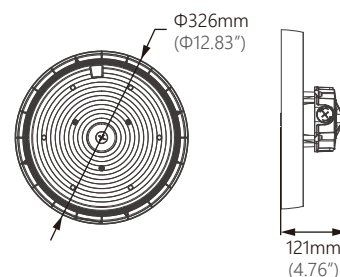
Watt: 240W
CTN: 335*335*160mm (13.19*13.19*6.30in)
N. W (±0.5): 2kg (4.41 lbs)

HB17

Wattage & CCT Selectable Highbay Light.

RoHS ErP

IP65 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

HB17 power-adjustable options make it a versatile lighting solution that can be customized to fit different settings. With its range of 60-300W, businesses and facilities can choose the appropriate power level for their specific needs. With CCT selectable functions, the user can adjust the color temperature of the light output to suit the preferences or specific lighting needs.

D260
60W/ 80W/ 100W
80W/ 120W/ 150W

D295
120W/ 150W/ 200W
150W/ 200W/ 240W

D320
200W/ 240W/ 300W

CCT & Wattage Selectable

CCT (K)	A (CW)	A+B (NW)	B (WW)
	5700K	5000K	4000K
	5000K	4000K	3000K

Power (W)	LOW (C)	MID (B)	HIGH (A)
	60W	80W	100W
	80W	120W	150W
	120W	150W	200W
	150W	200W	240W
	200W	240W	300W

UGR<28 (60°& 90°)

HB17 provides exceptional lighting comfort, with a UGR<28 at 60&90-degrees, this means it produces minimal glare, making it comfortable for workers and reducing the risk of eye strain or discomfort. Additionally, it meets the DLC Premium standards.

Most Budget-friendly Highbay

As one of the most budget-friendly solutions on the market, the HB17 is equipped with high-performance Lumileds 2835 LEDs and a reliable Moso driver, delivering superior efficiency with up to 160 lm/W.

Efficient Heat Dissipation

The heat sink consists of die-cast aluminum profiles and reliable MOSO drivers that ensure fast heat transfer and excellent heat dissipation performance, delivering excellent efficiency up to 160 lm/W. The rapid heat transfer effectively increases the service life of the luminaire.
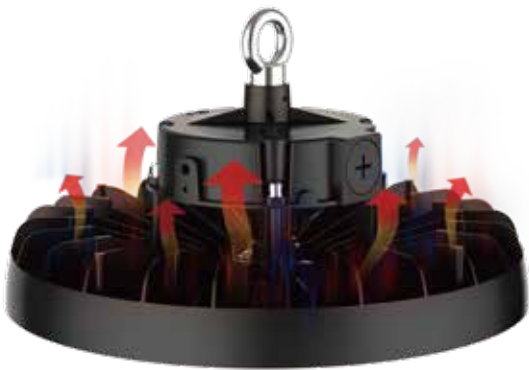
Sensor Optional

HB17 includes an expansion port that makes it easy to screw on standard or Lightcloud Blue-enabled and microwave sensors, which can be configured to adjust brightness and hold time, saving additional energy and costs. A remote is also available for an additional level of control.
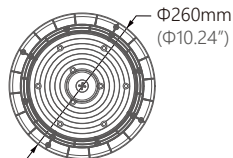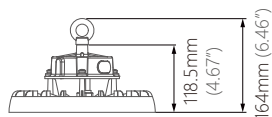
REMOTE CONTROL   MVS SENSOR   DIMMING   DAYLIGHT HARVESTING

120

SPECIFICATIONS

Model No.	HD-HB17-100W	HD-HB17-150W	HD-HB17-200W	HD-HB17-240W	HD-HB17-300W
Wattage	100W	150W	200W	240W	300W
Wattage Selectable	60W-80W-100W	80W-120W-150W	120W-150W-200W	150W-200W-240W	200W-240W-300W
Light Efficiency	160Lm/W @ all bright, 90° or 120°				
Lumen Flux (@4000K)	16,000Lm	24,000Lm	32,000Lm	38,400Lm	48,000Lm
	96,00Lm-16,000Lm	12,800Lm-24,000Lm	18,000Lm-32,000Lm	22,500Lm-38,400Lm	32,000Lm-48,000Lm
Beam Angle	60° / 90° / 120°				
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K/ 6500K				
CCT Selectable	3000K-4000K-5000K, 4000K-5000K-5700K				
CRI	≤70, 80 Optional				
SDCM	≤6				
Input Voltage	AC100-277V / AC120-347V / AC220-480V				
Power Factor	0.9				
THD	<20%				
Percent Flicker (%)	<20%				
Protection Against Electric	Class I				
IP	IP65				
IK	IK08				
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor				
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)				
Intelligent Control	0-10V Dimming, PWM				
Warranty	5 Years				
Certificate	UL / DLC / CUL / CE / CB / ENEC / ErP / RoHS				
LED Brand	Lumileds				
Driver Brand	MOSO				
Structure	Die-casting / High Thermal Conductivity AL				
Finish	Powder Coated				
Lens	Polycarbonate				
Color	Black				

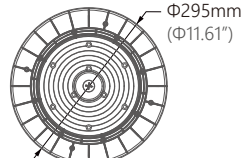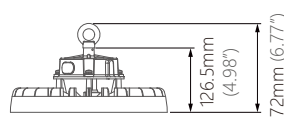### Photometric Diagrams

60°   90°   120°

Parameters

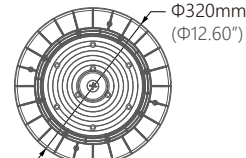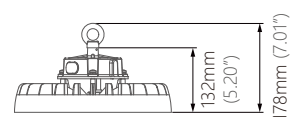
Watt: 100W/ 150W
CTN: 270*270*160mm
(10.63*10.63*6.30in)
N. W (±0.5): 1.6kg (3.53 lbs)
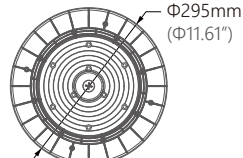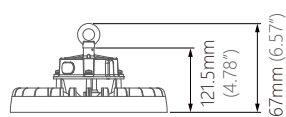
Watt: 200W
CTN: 310*310*165mm
(12.2*12.2*6.5in)
N. W (±0.5): 1.72kg (3.79 lbs)

Watt: 240W
CTN: 310*310*165mm
(12.2*12.2*6.5in)
N. W (±0.5): 1.9kg (4.19 lbs)

Watt: 300W
CTN: 335*335*175mm
(13.2*13.2*6.9in)
N. W (±0.5): 2.5kg (5.51 lbs)

Optic lens

High transmittance PC material.
Code: HB16-60X-1/ HB16-60X-2
HB16-90X-1/ HB16-90X-2
HB16-110X-1 (D320)
HB16-110X-2 (D320)

Aluminium reflector

90°Aluminium reflector.
Code: HB16-90AF (D260/ D295)
HB17-90AF (D320)

PC reflector

Code: HB16-90PF (D260/ D295)
HB17-90PF (D320)

Dust-proof cap

Use with 90°PC reflector.
Code: HB16-90PPF (D260/ D295)
HB17-90PPF (D320)

±90° adjustable bracket, Fixed on driver

SPCC materials with outdoor powder coating.
Code: HB15-01 (D260/ D295)
HB17-01 (D320)

Sling chain

304 stainless steel,
3.28ft optional.
Code: HB-SC-10

Hook

304 stainless steel.
Code: Hook-M10

Safety rope

304 stainless steel,
2.62ft optional.
Code: HB-SR-08

Microwave motion sensor

12Vdc input, IP65 rating,
max detect height is 12m.

Remote controller

For motion sensor and
PIR sensor.
Code: MH-100

Flash (HB15)

A cost-effictive highbay whose wattage & CCT can be selectable.

IP65 Wet Location | **IK08** Rating | ✓ **5**YEAR WARRANTY

c(UL)us LISTED   DLC PREMIUM   ⚡   CB CE RoHS ErP

Flash sounds like an impressive high bay light!
Its power-adjustable options make it a versatile lighting solution that can be customized to fit different settings. With its range of 60-500W, businesses and facilities can choose the appropriate power level for their specific needs. With CCT selectable functions, the user can adjust the color temperature of the light output to suit the preferences or specific lighting needs.

60W/ 80W/ 100W
80W/ 120W/ 150W
120W/ 150W/ 200W

150W/ 200W/ 240W
200W/ 240W/ 300W

300W/ 400W
500W

3-in-1 Wattage & CCT Selectable

Power (W)	LOW(C)	MID(B)	HIGH(A)
	60W	80W	100W
	80W	120W	150W
	120W	150W	200W
	150W	200W	240W
	200W	240W	300W
	300W	400W	500W

CCT (K)	A(CW)	A+B(NW)	B(WW)
	5000K	4000K	3000K
	5700K	5000K	4000K

Sensor Optional

The Flash includes an expansion port that makes it easy to screw on standard or Lightcloud Blue-enabled PIR and microwave sensors, which can be configured to adjust brightness and hold time, saving additional energy and costs.
A remote is also available for an additional level of control.

PIR Sensor	Microwave Sensor

REMOTE CONTROL | PIR SENSOR | MVS SENSOR | DIMMING | DAYLIGHT HARVESTING
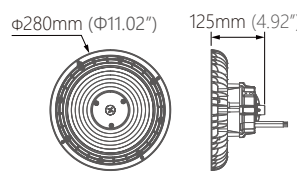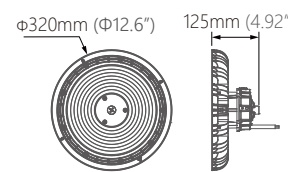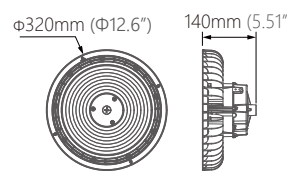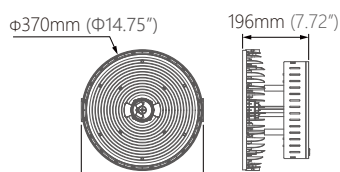
SPECIFICATIONS

Model No.	HB15-100W	HB15-150W	HB15-200W	HB15-240W	HB15-300W	HB15-500W
Wattage	100W	150W	200W	240W	300W	500W
Wattage Selectable	60W-80W-100W	80W-120W-150W	120W-150W-200W	150W-200W-240W	200W-240W-300W	300W-400W-500W
Light Efficiency	160Lm/W @all Bright 90°, 120°					
Lumen Flux	16,000Lm	24,000Lm	32,000Lm	38,400Lm	48,000Lm	80,000Lm
	9,600Lm-16,000Lm	12,800Lm-24,000Lm	19,200Lm-32,000Lm	24,000Lm-38,400Lm	32,000Lm-48,000Lm	48,000Lm-80,000Lm
Beam Angle	60° / 90° / 120°					
CCT	3000K/ 4000K/ 5000K/ 5700K					
CCT Selectable	3000K-4000K-5000K, 4000K-5000K-5700K Optional					
CRI	70, 80 Optional					
SDCM	<6					
Input Voltage	AC100-277V / AC120-240V / AC120-347V / AC277-480V				AC120-277V, AC120-240V, AC120-347V, AC277-480V	AC120-277V, AC120-240V, AC200-480V
Power Factor	0.9					
THD	<20%					
Protection Against Electric	Class I					
IP	IP65					
IK	IK08					
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor					
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)					
Intelligent Control	0-10V Dimming, PWM					
Warranty	5 Years					
Certificate	CB / ENEC / CE / RoHS / UL / DLC / ErP					
LED Brand	Lumileds					
Driver Brand	LiFud, Sosen, Moso, DONE					
Structure	Die-casting / High Thermal Conductivity AL					
Finish	Powder Coated					
Lens	Polycarbonate					
Color	Black					

Photometric Diagrams

60°   90°   120°

Parameters

Φ280mm (Φ11.02")   125mm (4.92")

Φ320mm (Φ12.6")   125mm (4.92")

Φ320mm (Φ12.6")   140mm (5.51")

Φ370mm (Φ14.75")   196mm (7.72")

374mm (14.72")

Watt: 100W/ 150W/ 200W
CTN: 295*295*160mm (11.61*11.61*6.30in)
N. W (±0.5) : 1.90kg (4.19 lbs)

Watt: 240W
CTN: 335*335*160mm (13.19*13.19*6.30in)
N. W (±0.5) : 2.50kg (5.51 lbs)

Watt: 300W
CTN: 335*335*175mm (13.19*13.19*6.89in)
N. W (±0.5) : 2.80kg (6.17 lbs)

Watt: 500W
CTN: 440*430*260mm (17.32*16.93*10.24in)
N. W (±0.5) : 7.60kg (16.76 lbs)

Mounting Optional

U-Bracket Mounting   U-Bracket with Rotary Mounting   Hook Mounting

Cover Optional

PC cover   AL cover

Optic lens

High transmittance PC material
Code: HB15-60X-280/HB15-90X-280
/HB15-110X-280(D280)
Code: HB15-60X-320/HB15-90X-320
/HB15-110X-320(D320)
Code: HB15-60X-370/HB15-90X-370
/HB15-110X-370(D370)

Aluminium reflector

90°Aluminium reflector
Code: HB15-90AF-280(D280)
Code: HB15-90AF-320(D320)

PC reflector

Code: HB15-90PF-280(D280)
Code: HB15-90PF-320(D320)

Dust-proof cap

Use with 90°PC reflector
Code: HB15-90PPF (D280/D320)

±90° adjustable bracket, Fixed on driver

SPCC materials with
outdoor powder coating.
Code: HB15-01 (D280/D320)
HB15-03 (D370)

±90° adjustable bracket, Fixed on heatsink

SPCC materials with
outdoor powder coating.
Code: HB15-02 (D280/D320)

Hook

304 stainless steel.
Code: Hook-M10 (D280/D320)
Hook-M12 (D370)

Safety rope

304 stainless steel,
2.62ft optional
Code: HB-SR-08 (D280/D320/D370)

Sling chain

304 stainless steel,
3.28ft optional
Code: HB-SC-10 (D280/D320)

Microwave motion sensor

12Vdc input, IP65 rating,
max detect height is 49.21ft.
Code: MC079D 99 (D280/D320/D370)

PIR sensor

12Vdc input, IP65 rating,
max detect height is 49.21ft.
Code: MC079D IR DI (D280/D320/D370)

Remote controller

For motion sensor and PIR sensor.
Code: MH-10

Hurricane (HB14)

Hurricane is a most cost-effective highbay light who using 0-10V dimming driver and Lumileds 2835 LEDs likely contributes to its energy-efficient operation and longevity, and make it a most cost-effective high bay.

IP65 Wet Location | **IK08** Rating | ✔ **5 YEAR** WARRANTY

Hurricane sounds like an impressive highbay light! Its power-adjustable options make it a versatile lighting solution that can be customized to fit different settings. With its range of 60-240W, businesses and facilities can choose the appropriate power level for their specific needs. With CCT selectable functions, the user can adjust the color temperature of the light output to suit the preferences or specific lighting needs.

Standard   Sensor Optional

Power & Selectable

LOW	MID	HIGH
60W	80W	100W
80W	120W	150W
120W	150W	200W
150W	200W	240W

CW	NW	WW
5700K	5000K	4000K

UGR<28 (60°)

UGR<28 at 60-degree, this indicates that it produces minimal glare and is comfortable for workers to operate around, reducing the risk of eye strain or discomfort.

Maximum Material Utilization, Good Heat Management

A flat heat sink provides a larger heat dissipation surface area and faster heat conduction, improving the overall heat dissipation effect, and leading to a longer lifespan and greater reliability. Furthermore, the circular heat sink and large light-emitting surface ensure a high rate of light utilization, uniform light, and a low glare value.

Higher Light Efficiency Up to 160lm/W

With the high permeability lens, light efficiency can be up to 160 Lm/W, it can provide strong illumination while using less energy compared to other high bay lights.

Optional Built-in Smart Control Modules

| REMOTE CONTROL | PIR SENSOR | MVS SENSOR | DIMMING | DAYLIGHT HARVESTING |

Driver is Longevity and Reliability

With a distance of 32mm, the driver is effectively insulated from the heat generated by the LED components.
This ensures that the driver operates at a stable temperature, which can extend its lifespan and improve its reliability.
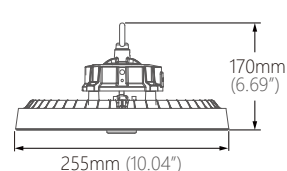
32mm

0-10V DIMMING

SPECIFICATIONS

Model No.	HD-HB14-100W	HD-HB14-150W	HD-HB14-200W	HD-HB14-240W
Wattage	100W	150W	200W	240W
Wattage Selectable	60W-80W-100W	80W-120W-150W	120W-150W-200W	150W-200W-240W
Light Efficiency	160Lm/W @90°, 120°, 5000K			
Lumen Flux (@5000K)	16,000Lm	24,000Lm	32,000Lm	38,400Lm
	9,600Lm-16,000Lm	12,800Lm-24,000Lm	19,200-Lm-32,000Lm	24,000Lm-38,400Lm
Beam Angle	60° / 90° / 120°			
Selectable	3000K/ 4000K/ 5000K/ 5700K/ 6500K			
CCT Selectable	4000K-5000K-5700K			
CRI	<70, 80 Optional			
SDCM	<6			
Input Voltage	AC100-240V/ AC200-240V (Sosen)			
Power Factor	0.90			
THD	<20%			
Protection Against Electric	Class I			
IP	IP65			
IK	IK08			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	50,000H (L70B50 @35°C) / (L70B50 @95°F)			
Intelligent Control	0-10V, Micravace sensor, Daylight Sensor			
Warranty	5 Years			
Certificate	CE / CB / RoHS / ErP			
LED Brand	Lumileds			
Driver Brand	LiFud, Sosen, Moso			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Lens	Polycarbonate			
Color	Black			

Photometric Diagrams

60°   90°   120°

Parameters

170mm (6.69") 255mm (10.04")

Watt: 100W/ 150W
CTN: 265*265*165mm (10.43*10.43*6.50in)
N. W (±0.5): 1.8kg (3.97 lbs)

173mm (6.81") 300mm (11.81")
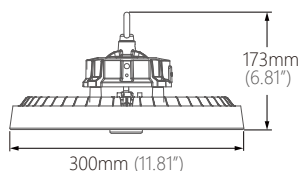
Watt: 200W
CTN: 310*310*165mm (12.20*12.20*6.50in)
N. W (±0.5): 2.2kg (4.85 lbs)

173mm (6.81") 365mm (14.37")
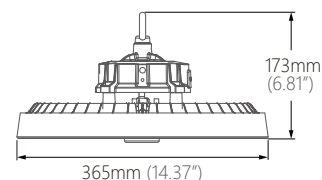
Watt: 240W
CTN: 375*375*165mm (14.74*14.74*6.50in)
N. W (±0.5): 2.45kg (5.40 lbs)

Accessories

Hook Mounting   U-Bracket Mounting   PC Cover   AL Cover

LED STREET LIGHT

CE RoHS

SL13

Economical and Practical Street Light Series

IP65 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

SL13 is an economical and affordable street light series, with power ranging from 80W to 240W. It is particularly suitable for outdoor lighting applications such as rural roads, parks, squares, and industrial parks.

80W 120W 180W 240W

Affordable and User-Friendly

Utilizing die-casting integrated molding technology and a one-piece front cover glass design, SL13 minimizes components, reducing mold and material costs while ensuring ease of use.

PC+Glass

The light-emitting surface features a dual protection mode with PC lens and glass. The lens is made of PC material, achieving a luminous efficacy of 150Lm/W. The glass effectively blocks UV radiation, protecting the lens from damage, ensuring stable performance, preventing yellowing and brittleness, and minimizing light loss.

Smooth Heat Surface

The surface of the SL13 heat sink is smooth, preventing dust, water, or snow accumulation. This feature makes it suitable for areas with high winds, heavy rainfall, or snowfall, minimizing environmental impacts on the luminaire's performance.

Mounting Options

The bracket allows for adjustable angles of ±15°, accommodating both horizontal and vertical mounting configurations.

NEMA + Photocell

±15°
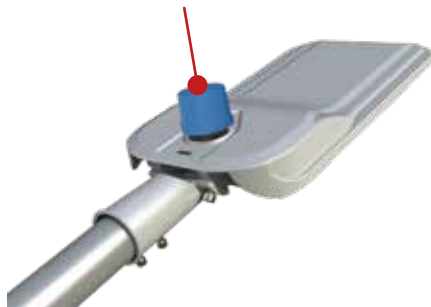
Mounting Options

Horizontal Mounting

Vertical Mounting

SPECIFICATIONS

Model No.	HL-SL13-80W	HL-SL13-120W	HL-SL13-180W	HL-SL13-240W
Wattage	80W	120W	180W	240W
Light Efficiency	150Lm/W @4000K Ra70			
Lumen Flux (@4000K)	12,000Lm	18,000Lm	27,000Lm	36,000Lm
Beam Angle (±10°)	T2 / T3			
CCT	3000K/ 4000K/ 5000K			
CRI	70			
SDCM	≤6			
Input Voltage	100-277VAC 50/60Hz			
Power Factor	≥0.9			
THD	≤20%			
Percent Flicker (%)	<3%			
Surge Protection	6KV / 10KV Optioianl			
Protection Against Electric	Class I			
IP	IP65			
IK	IK08			
Operating Temp Range	-30°C~+40°C @Outdoor / -22°F~+104°F @Outdoor			
Lifetime	50,000H (L70B50 @25°C) / (L70B50 @77°F)			
Intelligent Control	0-10V			
Warranty	5 Years			
Certificate	CE / RoHS			
LED Brand	Lumileds			
Driver Brand	Sosen			
Structure	Die-casting / ADC12			
Finish	Powder Coated			
Cover	Polycarbonate+Glass			
Color	Gray			

Photometric Diagrams

T2

T3

Parameters

Watt:	80W	**Watt:**	120W
EPA:	1.0 ft²	**EPA:**	1.27 ft²
CTN:	430*250*150mm	**CTN:**	480*270*150mm
	16.93*9.84*5.91in)		(18.90*10.63*5.91in)
N. W (±0.5):	2.5kg (5.5 lbs)	**N. W (±0.5):**	3.0kg (6.6 lbs)

Watt:	180W	**Watt:**	240W
EPA:	1.6 ft²	**EPA:**	2.05 ft²
CTN:	550*290*150mm	**CTN:**	580*335*150mm
	(21.65*11.42*5.91in)		(22.83*13.19*5.91in)
N. W (±0.5):	3.6kg (7.9 lbs)	**N. W (±0.5):**	4.6kg (10.4 lbs)

Dimensions:
- 80W: 395mm (15.55"), 514mm (20.24"), 200mm (7.87"), 85mm (3.35")
- 120W: 447mm (17.60"), 565mm (22.24"), 220mm (8.66"), 85mm (3.35")
- 180W: 516mm (20.32"), 635mm (25.00"), 240mm (9.45"), 85mm (3.35")
- 240W: 548mm (21.58"), 665mm (26.18"), 290mm (11.42"), 85mm (3.35")

SL12

High-Cost Effective LED Street Light Series!

IP65
Wet Location

IK08
Rating

5 YEAR
WARRANTY

SL12 is an energy-efficient street light series, featuring a sleek and minimalist design. With power options ranging from 40W to 200W, it offers II, III, IV, and VI lighting distributions, catering to single-lane, double-lane, triple-lane, and quadruple-lane roadways. Suitable for various applications including rural roads, urban streets, highways, etc.

150W/ 200W   100W/ 120W   40W/ 60W/ 80W

Classic and Stylish Design

SL12 has a sleek and minimalist appearance, with clean lines and balanced proportions, making it a classic and enduring street light series. Its design seamlessly integrates with modern urban architectural styles, adding a touch of sophistication to the cityscape.

Smooth Heat Surface

The surface of the SL12 heat sink is smooth, preventing dust, water, or snow accumulation. This feature makes it suitable for areas with high winds, heavy rainfall, or snowfall, minimizing environmental impacts on the luminaire's performance.

Mounting Options

Horizontal Mounting   Vertical Mounting

NEMA + Photocell
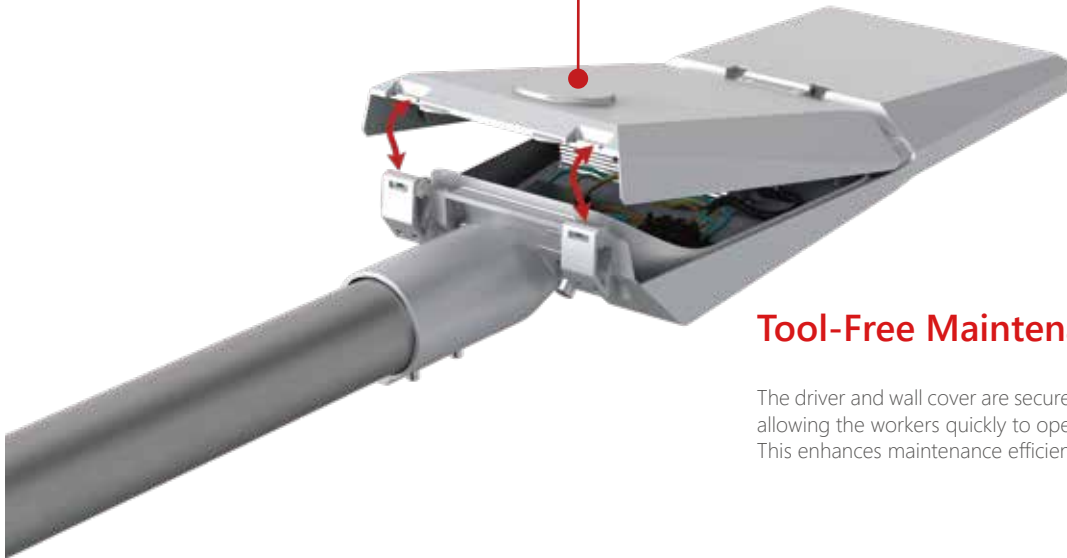
Tool-Free Maintenance

The driver and wall cover are secured with snap - on fasteners, allowing the workers quickly to open it without tools.
This enhances maintenance efficiency, saving time and costs.

❶ Power Cut-off Switch

The driver unit features a built-in power cut-off switch: opening the cover cuts off power while closing it restores power. It not only ensures worker safety but also eliminates the hassle of wiring, enhancing maintenance efficiency, and reducing cost.
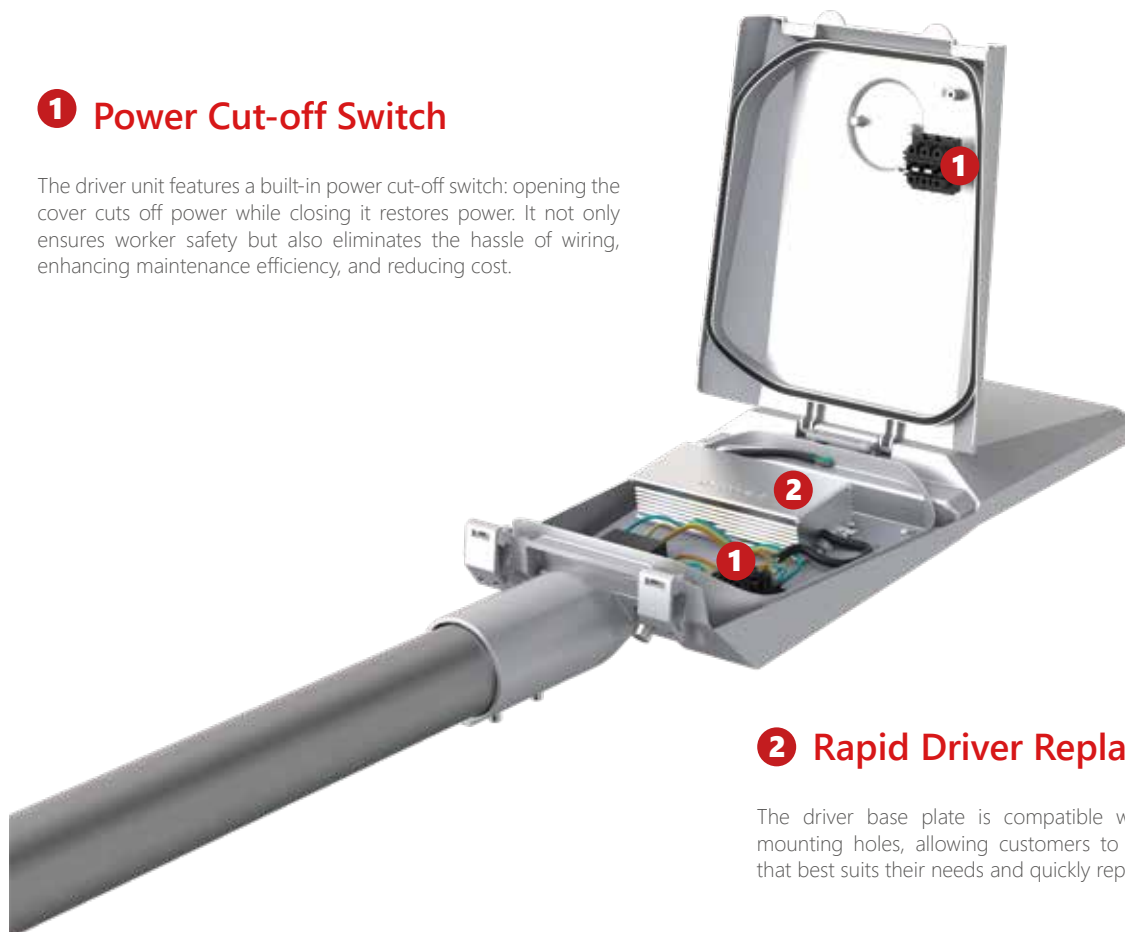
❷ Rapid Driver Replacement

The driver base plate is compatible with various driver mounting holes, allowing customers to choose the driver that best suits their needs and quickly replace it as necessary.

SPECIFICATIONS

Model No.	HL-SL12-40W/ 60W/ 80W	HL-SL12-100W/ 120W	HL-SL12-150W/200W
Wattage	40W / 60W / 80W	100W/ 120W	150W / 200W
Light Efficiency	150Lm/W @4000K Ra70		
Lumen Flux (@4000K)	6,000Lm/ 9,000Lm/ 12,000Lm	15,000Lm/ 18,000Lm	22,500Lm/ 30,000Lm
Beam Angle (±10°)	T2 / T3		
CCT	3000K/ 4000K/ 5000K/ 5700K		
CRI	≥70		
SDCM	≤6		
Input Voltage	100-277VAC 50/60Hz		
Power Factor	≥0.9		
THD	≤20%		
Percent Flicker (%)	<3%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP65		
IK	IK08		
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor		
Lifetime	50,000H (L70B50 @25°C) / (L70B50 @77°F)		
Intelligent Control	0-10V		
Warranty	5 years, 7 years Optional		
Certificate	CE / RoHS		
LED Brand	Lumileds		
Driver Brand	Sosen		
Structure	Die-casting / ADC12		
Finish	Powder Coated		
Cover	Polycarbonate+Glass		
Color	Gray		

Photometric Diagrams

T2   T3

Parameters

98mm (3.86")

586mm (23.07")

100mm (3.94")

646mm (25.43")

104mm (4.09")

716mm (28.19")

216mm (8.50")

255mm (10.04")

305mm (12.01")

Watt: 40W/ 60W/ 80W
EPA: 1.33 ft²
CTN: 605*236*120mm
(23.82*9.29*4.72in)
N. W (±0.5): 3.2kg (7.05 lbs)

Watt: 100W/ 120W
EPA: 1.75 ft²
CTN: 670*275*120mm
(26.38*10.83*4.72in)
N. W (±0.5): 4.2kg (9.26 lbs)

Watt: 150W/ 200W
EPA: 2.3 ft²
CTN: 735*325*124mm
(28.94*12.80*4.88in)
N. W (±0.5): 5.2kg (11.46 lbs)

Storm (SL05)

30W-400W LED Street Light Series.

IP66 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

Storm is a street light series with a lens modular design. It includes four different sizes and models, with a power range of 30W-400W. The modular lens design allows for flexible combinations with 3030 and 5050 LEDs, providing versatile lighting options. Storm street lights are suitable for a wide range of applications, including country roads, urban roads, highways, parks, industrial parks, plazas, docks, and outdoor parking lots.

MINI   PRO   PLUS   MAX

30W/ 40W/
60W/ 90W/ 100W

120W/ 150W

180W/ 200W/ 240W

300W/ 400W
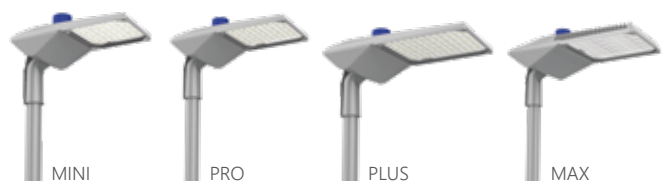
Smooth Surface

A smooth surface reduces dust accumulation, which is suitable for harsh environments with high wind, sand, and rain or snow. It uses a corrosion-resistant coating, making it suitable for long-term usage in coastal areas with high air corrosion or special circumstances.

Tool-free for Maintenance

Storm street lights can be accessed without the need for any tools. It utilizes a convenient snap fastener, providing easy and tool-free access for maintenance or replacement of electronic components.

Dual Waterproof Design

The light fixture uses a one-piece waterproof silicone rubber ring with an IP66 waterproof rating. A built-in breath valve helps maintain balanced air pressure inside and outside the light. Ensures that even in rainy or humid conditions, the light does not accumulate water or fog, ensuring high-quality illumination and minimizing light degradation.

Knife Switch

The knife switch cut the power off immediately when the power compartment opened, ensuring the safety of workers.

Smart Design

The heat sink and the cover are separable, which is more convenient for maintenance.

Type II, Type III, Type IV Available

Different light angles, such as Type II and Type III, are available for two-lane or three-lane roads.

Safety Rope

Safety rope is designed to securely fasten the street light to the installation pole, prevent the risk of accidental falls, provide an additional layer of protection, and ensure the reliability of the fixture.

Modular Design

Modular lens allowing compatibility with both 3030 and 5050 led beads. This makes it not only simplifies maintenance but also allows for easy disassembly and installation. Additionally, it helps save on mold costs by eliminating the need for separate molds for each type of lens bead.

Lens+Glass

With PC lens + glass, resulting in higher protective performance. The glass reduces the impact of sunlight on the PC lens material, preventing it from yellowing or becoming brittle. This design helps reduce light degradation and ensures a more stable performance of the entire light fixture.
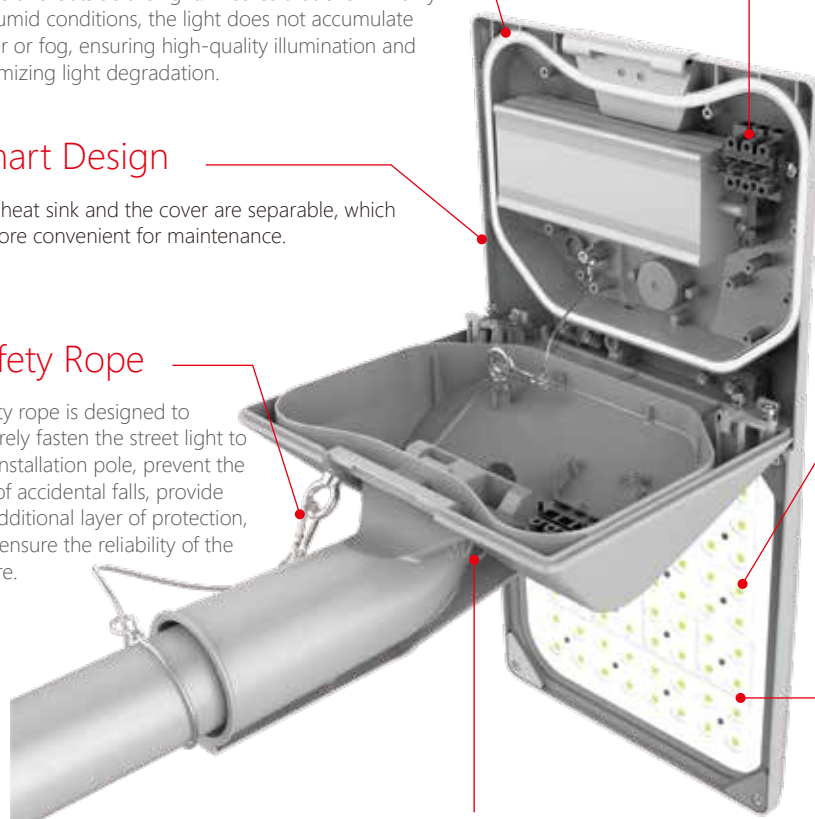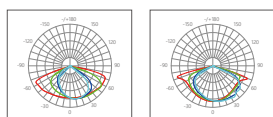
The light fixture has ±20° adjustability, allowing it to match different pole angles

SPECIFICATIONS

Model No.	HL-SL05-(30W-100W)	HL-SL05-120W/ 150W	HL-SL05-180W/ 200W/ 240W	HL-SL05-300W/ 400W
Wattage	30W/ 40W/ 60W/ 90W/ 100W	120W/ 150W	180W/ 200W/ 240W	300W/ 400W
Light Efficiency (@4000K)	130Lm/W-150Lm/W			130Lm/W
Lumen Flux (@4000K)	3,900Lm-15,000Lm	15,600Lm-22,500Lm	23,400Lm-36,000Lm	39,000Lm-52,000Lm
Beam Angle	T2 / T3			
CCT	3000K/ 4000K/ 5000K/ 5700K			
CRI	≥70			
SDCM	≤6			
Input Voltage	AC220-240V			
Power Factor	≥0.95			
THD	<20%			
Surge Protection	10KV			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor			
Lifetime	50,000H (L70B50 @25°C) / (L70B50 @77°F)			
Intelligent Control	1-10V Dimming			
Warranty	5 Years			
Certificate	CE / CB / ENEC / RoHS / ErP			
LED Brand	Lumileds			
Driver Brand	Sosen, Inventronics			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Cover	PC+Tempered Glass			
Color	Gray			

Photometric Diagrams

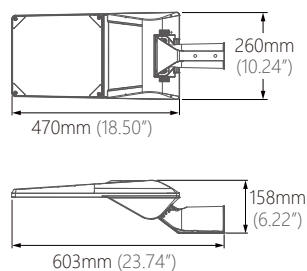T2   T3

Parameters

MINI

260mm (10.24")
470mm (18.50")
158mm (6.22")
603mm (23.74")
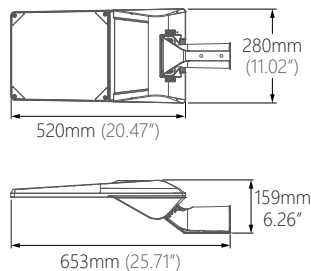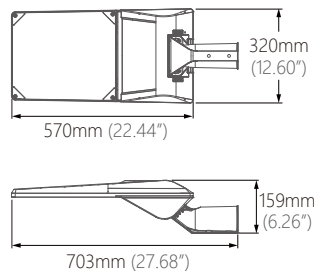
Watt: 30W/40W/60W/90W/100W
EPA: 0.60 ft²
CTN: 535*315*210mm
(21.06*12.40*8.27in)
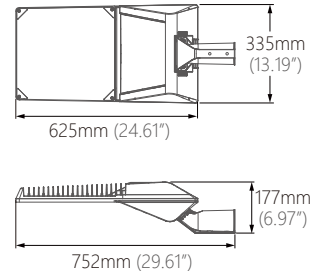**N. W:** 5.23kg-5.50kg
(±0.5) (11.53 lbs-12.13 lbs)

PRO

280mm (11.02")
520mm (20.47")
159mm 6.26"
653mm (25.71")

Watt: 120W/ 150W
EPA: 0.65 ft²
CTN: 585*335*210mm
(23.03*13.19*8.27in)
N. W: 6.50kg (14.33 lbs)
(±0.5)

PLUS

320mm (12.60")
570mm (22.44")
159mm (6.26")
703mm (27.68")

Watt: 180W/200W/240W
EPA: 0.75 ft²
CTN: 635*380*220mm
(25.00*14.96*8.66in)
N. W: 8.10kg-8.20kg
(±0.5) (17.86 lbs-18.01 lbs)

MAX

335mm (13.19")
625mm (24.61")
177mm (6.97")
752mm (29.61")

Watt: 300W/ 400W
EPA: 0.80 ft²
CTN: 690*395*225mm
(27.17*15.55*8.86in)
N. W: 10.2kg-10.5kg
(±0.5) (22.49 lbs-23.15 lbs)

Widely used in country roads, car parks, residential areas, cycling paths, small stadiums, square,etc.

SL03

40W-200W LED street light series, whose smooth surface eliminates the risk of accumulation of dust and dirt in harsh environments.

IP66 Wet Location | **IK08** Rating | ✔ **5**YEAR WARRANTY

CE CB RoHS

SL03 is an LED street light series, with wattages of 40W-200W. Adopt a high-power LED patch (Lumileds) light source, the driver can match any brand. SL03 has designed three photometric diagrams, including T2, T3, and T4, which are suitable for most two-lane, three-lane, and four-lane urban roads, highways, and country lanes. SL03's heat dissipation design with a smooth surface eliminates the risk of accumulation of dust and dirt in harsh environments. Die-cast aluminum heat dissipation radiator, lightweight and faster heat dissipation, ensures the optimal performance of heat management.
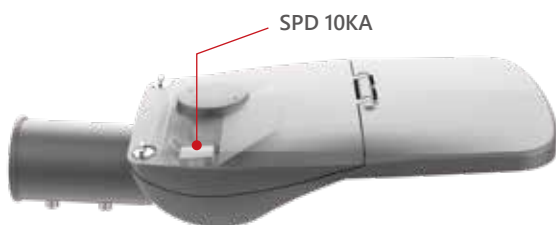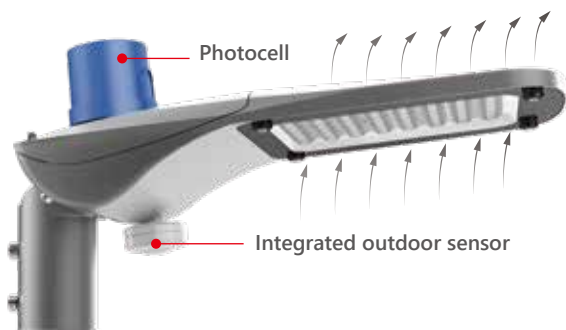
40W/ 50W/ 60W

70W/ 75W/ 80W/ 90W/ 100W

120W/ 130W/ 140W/ 150W

180W/ 190W/ 200W

Installation Optional


Vertical

Straight arm mounting

- The whole lamp of the product reaches an IP66 waterproof rating.
- More installation methods are optional.
- The heat sink and lamp body are integrated, lightweight, and have faster heat dissipation.
- Light lifespan is up to 50,000 hours.
- Have a patent for appearance and utility model.
- Warranty for five years.

Photocell

Integrated outdoor sensor
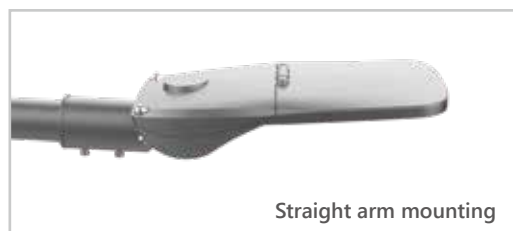
Good Heat Dissipation

The heat sink is integrated with the lamp housing, and the LED is directly connected to the outer casing. The heat dissipation fins and the air convectively dissipate heat through the outer casing, which fully guarantees the service life of the LED street lamp for 50,000 hours.

Whole Lamp Spray Waterproof Test

The lamp housing is made of aluminum die-casting, which is designed to effectively dissipate heat, waterproof and dustproof. The surface of the luminaire is UV-resistant and anti-corrosive, and the overall luminaire meets the IP66 standard.
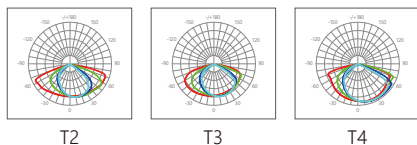

SPD 10KA

10KV Surge Protect

Built-in surge protector for safer use of electricity, protection against indirect and direct lightning or other transient overvoltage surges.
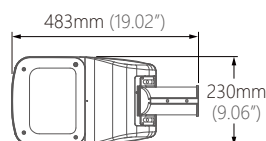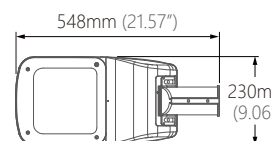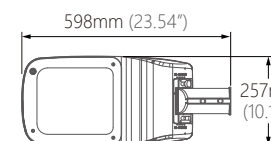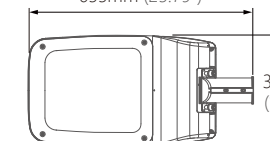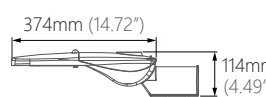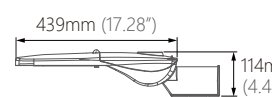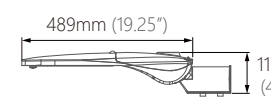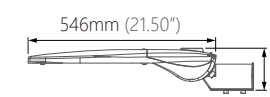
SPECIFICATIONS

Model No.	HL-SL03-40W/50W/60W	HL-SL03-70W/75W/80W/90W/100W	HL-SL03-120W/130W/140W/150W	HL-SL03-180W/190W/200W
Wattage	40W/ 50W/ 60W	70W/ 75W/ 80W/ 90W/ 100W	120W/ 130W/ 140W/ 150W	180W/ 190W/ 200W
Light Efficiency	140Lm/W (@4000K, Ra70)			
Lumen Flux (@5700K)	5,600-8,400Lm	98,000-14,000Lm	16,800-21,000Lm	25,200-28,000Lm
Beam Angle	T2 / T3 / T4			
CCT	2700K/ 3000K/ 4000K/ 5000K/ 5700K			
CRI	≥70			
SDCM	≤5			
Input Voltage	AC100-240V			
Power Factor	≥0.9 (@230V& full load)			
THD	<20%			
Surge Protection	10KV			
Protection Against Electric	Class I			
IP	IP66			
IK	IK08			
Operating Temp Range	-30°C~+50°C @Outdoor / -22°F~+122°F @Outdoor			
Lifetime	50,000H (L70B50 @25°C) / (L70B50 @77°F)		-30°C~+40°C @Outdoor / -22°F~+104°F @Outdoor	
Intelligent Control	0-10V / 1-10V Dimming			
Warranty	5 years, 7 years Optioanl			
Certificate	CE / CB / ENEC / RoHS			
LED Brand	Lumileds			
Driver Brand	Meanwell, Inventronics			
Structure	Die-casting / High Thermal Conductivity AL			
Finish	Powder Coated			
Cover	PC + Tempered Glass			
Color	Gray			

Photometric Diagrams

T2   T3   T4

Parameters

483mm (19.02")   230mm (9.06")
374mm (14.72")   114mm (4.49")

Watt: 40W/50W/60W
EPA: 0.40 ft²
CTN: 417*267*155mm
(16.42*10.51*6.10in)
N. W: 3.6kg (7.94 lbs)
(±0.5)

548mm (21.57")   230mm (9.06")
439mm (17.28")   114mm (4.49")

Watt: 70W/75W/80W/90W/100W
EPA: 0.50 ft²
CTN: 482*272*160mm
(18.98*16.71*6.30in)
N. W: 4.0kg (8.82 lbs)
(±0.5)

598mm (23.54")   257mm (10.12")
489mm (19.25")   117mm (4.61")

Watt: 120W/130W/140W/150W
EPA: 0.65 ft²
CTN: 542*302*160mm
(21.34*11.89*6.30in)
N. W: 5.4kg (11.90 lbs)
(±0.5)

655mm (25.79")   320mm (12.60")
546mm (21.50")   122mm (4.80")

Watt: 180W/190W/200W
EPA: 0.70 ft²
CTN: 612*372*185mm
(24.09*14.65*7.28in)
N. W: 7.0kg (15.43 lbs)
(±0.5)

City roads, street, park, highway, dedicated street lights.

LED HIGH MAST LIGHT

HM01A

High Mast Roadway and Area Lighting

IP66 Wet Location | IK08 Rating | 5 YEAR WARRANTY

UL | c UL us LISTED | ENEC | CE RoHS

HM01A is specially developed for new and reformed high masts, we can provide a whole lighting solution for the simplest and most complex illumination applications. Such as port container facilities, highways and interchanges, rail yards, correctional Facilities, large area industrial, military installations, airports, truck stops, toll plazas.

300W/ 450W/ 600W/ 750W/ 900W/ 1000W

Modular Design

Combined with (2/ 4/ 6/ 7) LED modules, and equipped with a glass/ PC lens for each module, our High Mast Light can converge stray light most efficiently. Every single module is placed in a completely ventilated aluminum housing for maximum thermal transmission. The heat sink is made up of two pieces of die-casting aluminum for thermal convection, there are two screw bolts and buckles to fix the light when assembling and can be opened in 180 degrees.

1:1 Replacement 2000W HPS

Lumen packages ranging from 45,000 to 150,000 provide one-for-one replacement of up to 2000 watt HPS.

Best Light Control

Prismatic glass optics provide high application efficiency, uniformity, and glare control.

Reliability and Long Lifespan

Long system life with driver life exceeding 100,000 hours and LED life of L82 @100,000 hours minimize maintenance costs. Robust mechanical design with IP66 optics, 3G vibration rating, 4-bolt mounting, and a polyester paint finish with a 1,000-hour salt fog rating ensures system reliability.

Roi-Oriented

Robust extreme surge protection rating of 20KA/ 10KA. Control options include 0-10V dimming, 7-Pin photocontrol, ROAMTM enabled Field-adjustable output allows for zone control, accelerating your return on investment.

| ENERGY SAVINGS	
Energy Savings	60%
Maintenance Savings	60%
Service Life	>100,000Hours

Fit for round Pole within 42-60mm.

For Roadway Lighting

The luminaire has multiple roadway lighting distributions designed to maximize spacing while meeting stringent requirements of IES RP8 guidelines for average, uniformity, and veiling luminance. Installation costs are minimized with this direct retrofit luminaire without rewiring or changing existing luminaire arms. Asymmetric distributions are easily aimed toward the roadway with the rotatable optical assembly. Asymmetric distributions are easily aimed toward the roadway with the rotatable optical assembly.


Ventilation Convection Housing

The luminaire uses a die-casting heat sink to convect/conduce heat, quickly dissipate heat, and extend the life of the LED lamp.
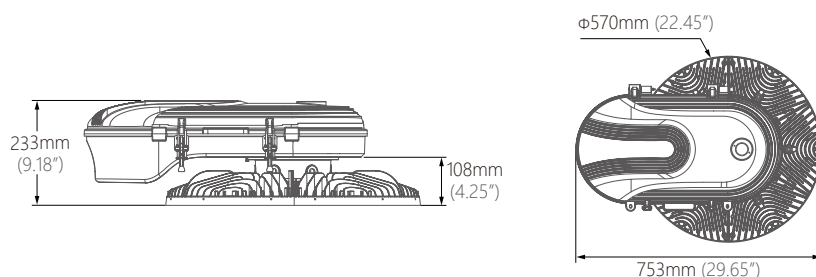

Thermal plate

light source

heat
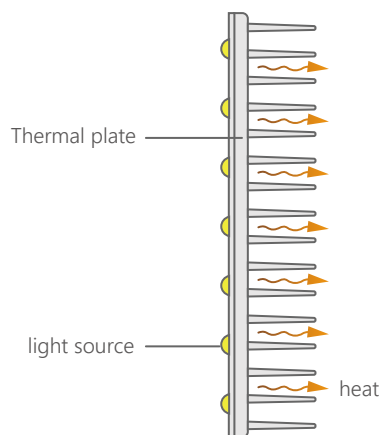
SPECIFICATIONS

Model No.	HD-HM01A-300W/ 450W/ 600W/ 750W/ 900W/ 1000W
Wattage	300W/ 450W/ 600W/ 750W/ 900W/ 1000W
Light Efficiency	150Lm/W @5700K Ra70
Lumen Flux (@5700K)	45,000Lm/ 67,500Lm/ 90,000Lm/ 112,500Lm/ 135,000Lm/ 150,000Lm
Beam Angle	T2 / T3 / T4 / T5
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K
CRI	70
SDCM	<5
Input Voltage	AC100-240V / AC100-277V / AC200-480V
Power Factor	0.90
THD	<20%
Surge Protection	10KV / 20KV Optional
Protection Against Electric	Class I
IP	IP66
IK	IK08
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)
Intelligent Control	0-10V Dimming, DALI
Warranty	5 Years
Certificate	UL / CUL / CE / ENEC / RoHS
LED Brand	Lumileds
Driver Brand	Inventronics, Moso
Structure	Die-casting / High Thermal Conductivity AL
Finish	Powder Coated
Lens	Polycarbonate/ Glass
Color	Gray

Photometric Diagrams

T2   T3   T4   T5

Parameters

233mm (9.18")   108mm (4.25")

Φ570mm (22.45")

753mm (29.65")
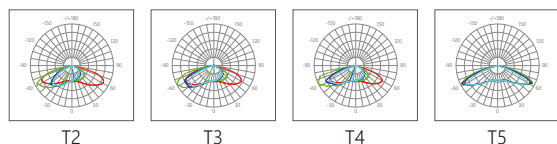
Watt: 300W/ 450W/ 600W/ 750W/ 900W/ 1000W
EPA: 3.655 ft²
CTN: 880*665*350mm (34.65*26.19*13.78in)
N. W (±0.5) : 24.7kg (54.45 lbs)

HM02

A new high mast light with wattage from 500w-960w and is suitable for outdoor squares, intersections, urban roundabouts, ports, railway stations, and integrated outdoor stadiums. HM02 lens is designed with all-crystals, which have high transmittance and lumen up to 153,600lm.

IP66 Wet Location | **IK08** Rating | **5 YEAR** WARRANTY

UL CE RoHS

HM02 is designed with fully prismatic glass optics that produce an overlapping light pattern resulting in high application efficacy providing excellent uniformity and glare control resulting in excellent visibility within the space. This luminaire has an area-narrow and area-wide distribution to maximize pole spacing while meeting the required foot-candle level and uniformity for the application. The lamp body can be rotated from 0° to 350°, flexible and convenient to allow customers to adjust the required angle in the process of installation and use so that the lighting of the application scene is more uniform.

630W/ 960W

500W

Excellent Uniformity and Glare Control

The fully prismatic lens optics produce an overlapping light pattern resulting in high efficacy and providing excellent uniformity and glare control resulting in excellent visibility within the space.

Intelligent Control for More Cost-Saving

With an intelligent Photocontroller system, the HM02 intelligently controls the ON/OFF state of high mast lighting according to the intensity of sunlight, saving energy, and reducing carbon dioxide emissions.

Convection Heat Dissipation Makes a Longer Lifespan

The convection heat dissipation design system dissipates the heat of the lights into the air, avoiding heat effects on the driver, in time to ensure the long-term stable operation of the lamp.

Humanized Driver Cavity Design

Open-close power supply cavity design is convenient for maintenance.

Surge Protector

Tool-Free Switch Buckle

0-350° Rotate

The lamp body can be rotated from 0 to 350°, which is flexible and convenient to allow customers to adjust the required angle during installation and use, so that the illumination of the application scene is more uniform.
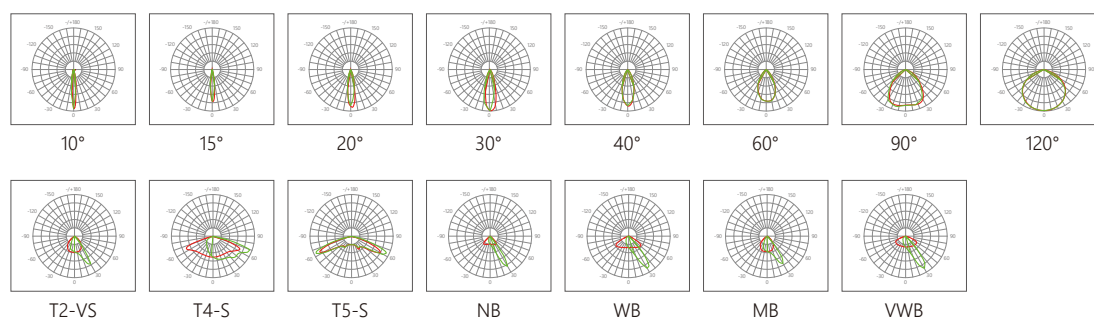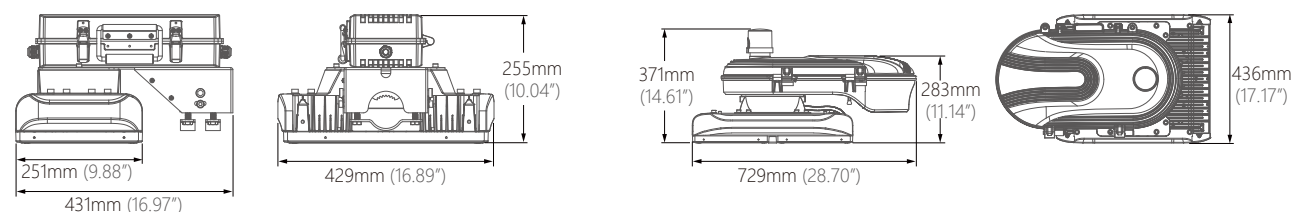
Light body rotation 0 to 350°

SPECIFICATIONS

Model No.	HD-HM02-500W	HD-HM02-630W	HD-HM02-960W
Wattage	500W	630W	960W
Light Efficiency	140Lm/W, 150Lm/W, 160Lm/W		
Lumen Flux (@5700K)	70,000Lm, 75,000Lm, 80,000Lm	88,200Lm, 94,500Lm, 100,800Lm	134,400Lm, 144,000Lm, 153,600Lm
Beam Angle	10° / 15° / 20° / 30° / 40° / 60° / 90° / 120° / T2-VS / T4-S / T5-S / NB / MB / VWB / WB		
CCT	3000K/ 4000K/ 5000K/ 5700K/ 6500K		
CRI	70, 80 Optional		
SDCM	<5		
Input Voltage	AC100-277V / AC200-480V / AC100-240V		
Power Factor	0.9		
THD	<20%		
Surge Protection	10KV		
Protection Against Electric	Class I		
IP	IP66		
IK	IK08		
Operating Temp Range	-40°C~+50°C @Outdoor / -40°F~+122°F @Outdoor		
Lifetime	100,000H (L70B50 @25°C) / (L70B50 @77°F)		
Intelligent Control	0-10V Dimming, DALI		
Warranty	5 years, 7 years Optional		
Certificate	UL / CE / RoHS		
LED Brand	Samsung, Lumileds		
Driver Brand	Meanwell, Inventronics		
Structure	Die-casting / High Thermal Conductivity AL		
Finish	Powder Coated		
Lens	Polycarbonate / Glass (Only 120°)		
Color	Gray		

Photometric Diagrams

10°   15°   20°   30°   40°   60°   90°   120°

T2-VS   T4-S   T5-S   NB   WB   MB   VWB

Parameters

251mm (9.88")
431mm (16.97")
255mm (10.04")
429mm (16.89")
371mm (14.61")
283mm (11.14")
729mm (28.70")
436mm (17.17")

Watt: 500W
EPA: Front: 2.36 ft², Side: 1.43 ft²
CTN: 525*511*343mm (20.67*20.12*13.50in)
N. W (±0.5): 18kg (39.68 lbs)

Watt: 630W / 960W
EPA: Front: 4.11 ft², Side: 2.66 ft²
CTN: 800*510*390mm (31.50*20.08*15.35in)
N. W (±0.5): 32kg (70.55 lbs) 630W
35.3kg (77.82 lbs) 960W

LED High Mast Roadway Lights.

PART OF PROJECT CASES

Football Stadium, Poland

Tennis Court and Football Court, Chile

Aris F.C. in Greece

Budapest, Hungary

Georgia Football Stadium

Sharjah, Dubai

Melbourne, Australia

London, UK

Riyadh, Saudi Arabia

Community Football Field in Frankfurt

Korean Tennis Court

London, UK

Jenkins High School Football Field in USA

Korean Tennis Court

Miami, US

Tustin, USA

Alexander Central High School
Baseball Field in USA

Paris, France

Arrudaun CC Golf Court in Korea

Community Golf Court in Frankfurt

Beach Volleyball Field in Dubai UAE

Budapest, Hungary

Warsaw, Poland

Seoul, Korea

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