

ITEM SKU#: 662187511900

Raydent Gen2

Stadium Flood Light

INDUSTRIAL LIGHTING | FLOOD LIGHTS



FEATURES

- Equipped with a power-selectable function for enhanced lighting control.
- Features dimming control (0-10V) for adjustable brightness.
- Delivers high-efficacy lighting with exceptional lumen output and CRI.
- Equipped with surge protection for reliable performance during fluctuations.
- Designed to withstand harsh conditions with an IP65 rating for wet locations and a low EPA.
- Precision-engineered optics with a wide beam angle ensure even light distribution.
- Compatible with DMX control for dynamic functions such as color-changing, grouping, scheduling, and remote operation.
- Visor and laser pointer options available.

APPLICATIONS

Stadiums and Sports Venues, Gymsnasiums, Plazas, Airports, Courtyards, Public Areas, Outdoor Advertising

PRODUCT DETAILS

ELECTRICAL

| | |
|---------------------------------|------------------------|
| Max Power | 584.5W |
| Voltage | 277-480V |
| Current | 1.35A |
| Power Factor | 0.9 |
| Total Harmonic Distortion (THD) | 15% |
| Surge Protection | L/N-PE: 10kV, L-N: 6kV |

LIGHTING PERFORMANCE

| | |
|--------------------------------------------|-----------------------------------------|
| Lumens | 45201lm-60268lm-75335lm-88059lm |
| Efficacy | 150.67lm/W |
| Color Temperature (CCT) | 4000K |
| Color Rendering (CRI) | 72 |
| R9 (Red Value) | -35 |
| R13 (Skin Tones) | 71 |
| Beam Angle | 40° |
| Light Distribution | NEMA:4 (NEMA:5/NEMA:6/NEMA:7: Optional) |
| BUG Rating (Backlight, Uplight, and Glare) | B5-U0-G3 |
| Dimmable Lighting Control | Continuous Dimming to 10% or Below |

Notes:

*Mentioned lumen output is calculated as such: 45201lm at 300W, 60268lm at 400W, 75335lm at 500W and 88059lm at 584.5W.
 *Fixtures mustn't be mounted facing upwards; it won't be covered under warranty.

ENVIRONMENT

| | |
|--------------------------------|----------------|
| Operating Temperature | -40°F ~ +113°F |
| Suitable Location | WET |
| Ingress Protection Rating (IP) | IP65 |
| Impact Protection Rating (IK) | IK08 |

LIFESPAN

| | |
|----------------------|-----------|
| Average Life (Hours) | 100,000 |
| Warranty (Years) | 10 |

COMPONENTS

| | |
|------------------|--------------------|
| LED Light Source | Bridgelux SMD 3030 |
| Driver | Inventronics |

CONSTRUCTION

| | |
|--------------------------------|---------------------------------|
| Housing | Die-cast Aluminum |
| Cover Material / Lens | Polycarbonate |
| Diffuser | Clear |
| Power Supply | Hard Wired |
| Finish | Black (White & Bronze Optional) |
| Effective Projected Area (EPA) | 1.6ft² |

PART NUMBER & QUALIFICATIONS

| | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordering Part Number | IK-SP08-600/500/400/300W-E1PS4HV-40K-BL-SH-20SP-FM |
| Qualified Part Number | IK-SP08-600/500/400/300W-E1PS4HV-[BR, WH, BL][*3RP*, *3NP*, *3NT*, *5RP*, *5NP*, *5NT*, *7RP*, *7NP*, *7NT* or blank][*10SP* or *20SP* or blank][*AM*, or *FM*]40 |
| SKU Number | 662187511900 |



Not all product variations listed on this page are DLC qualified. Visit <https://www.designlights.org/qpl> to confirm qualification.

DIMENSIONS AND WEIGHT (SLIP FITTER MOUNT)

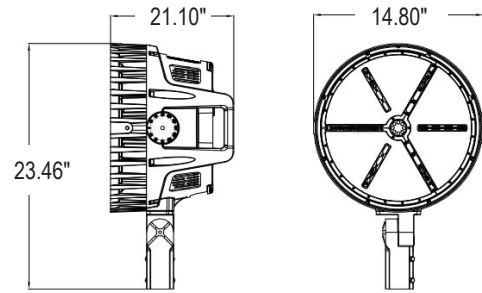
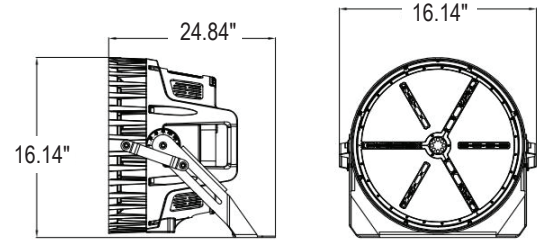
| | |
|-------------------|--------|
| Width (Inches) | 21.10" |
| Height (Inches) | 23.46" |
| Diameter (Inches) | 14.80" |
| Net Weight (lbs) | 35.27 |

DIMENSIONS AND WEIGHT (FLOOD MOUNT)

| | |
|-------------------|--------|
| Width (Inches) | 24.84" |
| Height (Inches) | 16.14" |
| Diameter (Inches) | 16.14" |
| Net Weight (lbs) | 34.17 |

PACKAGING**SLIP FITTER & FLOOD MOUNT**

| | |
|-------------------------|--------------------------|
| Box Dimensions (Inches) | 18.50" x 18.11" x 18.11" |
| Box Weight (lbs) | 38.58 |
| Quantity Per Box | 1 |

Slip Fitter Mount**Flood Mount****SUPPORTING DOCUMENTS**

| DOCUMENTS | DOCUMENT LINK |
|-------------------------------------------|---------------------------------|
| Product Sheet | View / Download |
| IES Files | View / Download |
| LM79 Report | View / Download |
| LM80 Report | View / Download |
| Installation Instructions | View / Download |

ORDERING INFORMATION

| SKU NUMBER | DESCRIPTION | QUANTITY/BOX |
|--------------|---------------------------------------------------------------------------------|--------------|
| 662187511900 | RAYDENT GEN2 SFL: 584.5W / 45201-60268-75335-88059LM / 4000K / 277-480V / BLACK | 1 |

ACCESSORIES**INCLUDED IN THE BOX**

| SKU NUMBER | PRODUCT CODE | DESCRIPTION | DOCUMENT LINK |
|--------------|----------------------------|----------------------------------|---------------------------------|
| 662187512013 | IK-ACC-SP08-300-600W-SH | SHIELD | On Request |
| 662187512006 | IK-ACC-SP08-300-600W-FM | FLOOD MOUNTING BRACKET | On Request |
| 662187488516 | IK-ACC-SPD-20KV-(277-480V) | SURGE PROTECTION 20kV (277-480V) | View / Download |

ACCESSORIES

SOLD SEPARATELY

| SKU NUMBER | PRODUCT CODE | DESCRIPTION | DOCUMENT LINK |
|--------------|----------------------------|------------------------------------|---------------------------------|
| 662187487960 | IK-ACC-SP08-SLIPFITTER | SLIP FITTER MOUNTING BRACKET | View / Download |
| 662187512006 | IK-ACC-SP08-300-600W-FM | FLOOD MOUNTING BRACKET | On Request |
| 662187512013 | IK-ACC-SP08-300-600W-SH | SHIELD | On Request |
| 662187487663 | IK-PHC-3PIN-AC277-480V | PHOTOCELL(3 PIN) AC (277-480V) | View / Download |
| 662187487717 | IK-PHC-5PIN-AC277-480V | PHOTOCELL(5 PIN) AC (277-480V) | View / Download |
| 662187487724 | IK-PHC-7PIN-AC277-480V | PHOTOCELL(7 PIN) AC (277-480V) | View / Download |
| 662187483634 | IK-PHC-3PIN-SOCKET-0-480V | PHOTOCELL (3 PIN) SOCKET AC 0-480V | View / Download |
| 662187483641 | IK-PHC-5PIN-SOCKET-0-480V | PHOTOCELL (5 PIN) SOCKET AC 0-480V | View / Download |
| 662187487755 | IK-PHC-7PIN-SOCKET-0-480V | PHOTOCELL (7 PIN) SOCKET AC 0-480V | View / Download |
| 662187507637 | IK-ACC-SPD-10KV-(277-480V) | SURGE PROTECTION 10kV (277-480V) | View / Download |
| 662187488516 | IK-ACC-SPD-20KV-(277-480V) | SURGE PROTECTION 20kV (277-480V) | View / Download |

*Choice of one accessory: Mounting Bracket (Slip Fitter or Flood Mount—either one) is included with the order.
Contact your IKIO sales representative to buy replacement/additional Mounting Bracket.

NOTE: Other Options on Request/Customized: **Finish** (BR-Bronze, WH-White), **Accessories** (3RP-3 Pin Rotating Photocell, 3NP-3 Pin No Photocell, 3NT- 3 Pin No Rotating Shorting Cap, 5RP-5 Pin Rotating Photocell, 5NP-5 Pin No Photocell, 5NT- 5 Pin No Rotating Shorting Cap, 7RP-7 Pin Rotating Photocell, 7NP-7 Pin No Photocell, 7NT- 7 Pin No Rotating Shorting Cap, 10SP-Surge Protection, 20SP-Surge Protection, AM-Slip Fitter Mounting Bracket, FM- Flood Mounting)