

ITEM SKU#: 662187512068

# 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, Gymnasiums, Plazas, Airports, Courtyards, Public Areas, Outdoor Advertising

### PRODUCT DETAILS

#### ELECTRICAL

Max Power	596.8W
Voltage	277-480V
Current	1.38A
Power Factor	0.9
Total Harmonic Distortion (THD)	15%
Surge Protection	L/N-PE: 10kV, L-N: 6kV

#### LIGHTING PERFORMANCE

Lumens	40542lm-54056lm-67570lm-80651.5lm
Efficacy	135.14lm/W
Color Temperature (CCT)	4000K
Color Rendering (CRI)	72
R9 (Red Value)	-35
R13 (Skin Tones)	71
Beam Angle	20°
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: 40542lm at 300W, 54056lm at 400W, 67570lm at 500W and 80651.5lm at 596.8W.  
 \*Fixtures mustn't be mounted facing upwards; it won't be covered under warranty.

### ENVIRONMENT

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

### LIFESPAN

Average Life (Hours)	100,000
Warranty (Years)	<b>10</b>

### 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)	1.6ft <sup>2</sup>

### PART NUMBER & QUALIFICATIONS

Ordering Part Number	IK-SP08-600/500/400/300W-E1PS2HV-40K-BL-SH-20SP-FM
Qualified Part Number	IK-SP08-600/500/400/300W-E1PS2HV-[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	662187512068



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)**

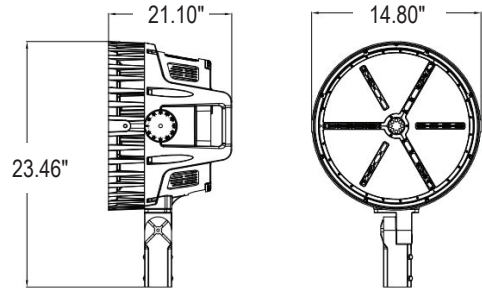
Width (Inches)	24.84"
Height (Inches)	16.14"
Diameter (Inches)	16.14"
Net Weight (lbs)	34.17

**PACKAGING**

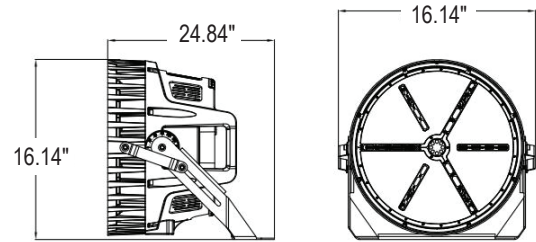
SLIP FITTER & FLOOD MOUNT

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
<a href="#">Product Sheet</a>	<a href="#">View / Download</a>
<a href="#">IES Files</a>	<a href="#">View / Download</a>
<a href="#">LM79 Report</a>	<a href="#">View / Download</a>
<a href="#">LM80 Report</a>	<a href="#">View / Download</a>
<a href="#">Installation Instructions</a>	<a href="#">View / Download</a>

**ORDERING INFORMATION**

SKU NUMBER	DESCRIPTION	QUANTITY/BOX
662187512068	RAYDENT GEN2 SFL: 596.8W / 40542-54056-67570-80651.5LM / 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)	<a href="#">View / Download</a>

## ACCESSORIES

### SOLD SEPARATELY

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

\*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)