

ITEM SKU#: 662187512181

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	1174.5W
Voltage	277-480V
Current	2.72A
Power Factor	0.9
Total Harmonic Distortion (THD)	15%
Surge Protection	L/N-PE: 10kV, L-N: 6kV

LIGHTING PERFORMANCE

Lumens	103942.5lm-138590lm-162704.66lm
Efficacy	138.59lm/W
Color Temperature (CCT)	4000K
Color Rendering (CRI)	70
R9 (Red Value)	-36
R13 (Skin Tones)	70
Beam Angle	20°
Light Distribution	NEMA:4 (NEMA:5: Optional)
BUG Rating (Backlight, Uplight, and Glare)	B5-U0-G5
Dimmable Lighting Control	Continuous Dimming to 10% or Below

Notes:

*Mentioned lumen output is calculated as such: 103942.5lm at 750W, 138590lm at 1000W, 162704.66lm at 1174.5W.
 *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 EUM-680S350MT

CONSTRUCTION

Housing	Die-cast Aluminum
Cover Material / Lens	Polycarbonate
Diffuser	Clear
Power Supply	Hard Wired
Finish	Black (Bronze, White: Optional)
Effective Projected Area (EPA)	3.3ft ²
Wind Sharing Rating	1.2mph

PART NUMBER & QUALIFICATIONS

Ordering Part Number	IK-SP08-1200/1000/750W-E1PS2HV-40K-BL-SH-20SP-FM
Qualified Part Number	IK-SP08-1200/1000/750W-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	662187512181



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)	24.13"
Height (Inches)	29.96"
Diameter (Inches)	21.77"
Net Weight (lbs)	65.25

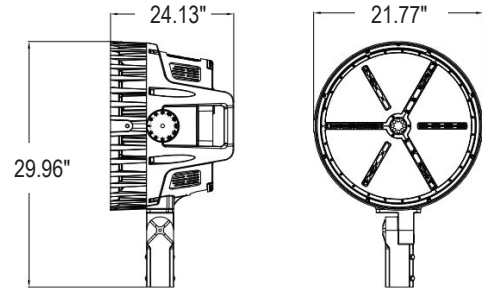
DIMENSIONS AND WEIGHT (FLOOD MOUNT)

Width (Inches)	29.88"
Height (Inches)	22.51"
Diameter (Inches)	23.74"
Net Weight (lbs)	61.5

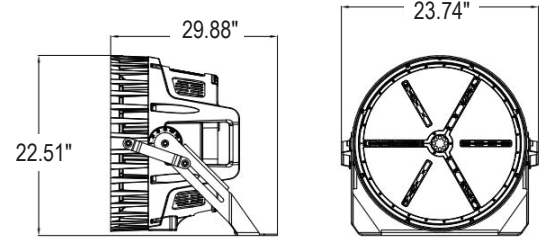
PACKAGING**SLIP FITTER & FLOOD MOUNT**

Box Dimensions (Inches)	25.98" x 25.39" x 22.83"
Box Weight (lbs)	74.07 (Slip Fitter) 66.35 (Flood Mount)
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
662187512181	RAYDENT GEN2 SFL: 1174.5W / 103942.5-138590-162704.66LM / 4000K / 277-480V / BLACK	1

ACCESSORIES**INCLUDED IN THE BOX**

SKU NUMBER	PRODUCT CODE	DESCRIPTION	DOCUMENT LINK
662187487649	IK-ACC-SP08-750-1200W-SH	SHIELD	View / Download
662187487632	IK-ACC-SP08-750-1200W-FM	FLOOD MOUNTING BRACKET	View / Download
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
662187487632	IK-ACC-SP08-750-1200W-FM	FLOOD MOUNTING BRACKET	View / Download
662187487649	IK-ACC-SP08-750-1200W-SH	SHIELD	View / Download
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-5PIN-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)