

ITEM SKU#: 662187512099

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	597.1W
Voltage	120-277V
Current	2.40A
Power Factor	0.9
Total Harmonic Distortion (THD)	15%
Surge Protection	L/N-PE: 10kV, L-N: 6kV

LIGHTING PERFORMANCE

Lumens	44076lm-58768lm-73460lm-87726lm
Efficacy	146.92lm/W
Color Temperature (CCT)	4000K
Color Rendering (CRI)	72
R9 (Red Value)	-36
R13 (Skin Tones)	71
Beam Angle	30°
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: 44076lm at 300W, 58768lm at 400W, 73460lm at 500W and 87726lm at 597.1W.
 *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-E1PS3MV-40K-BL-SH-20SP-FM
Qualified Part Number	IK-SP08-600/500/400/300W-E1PS3MV-[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	662187512099



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)

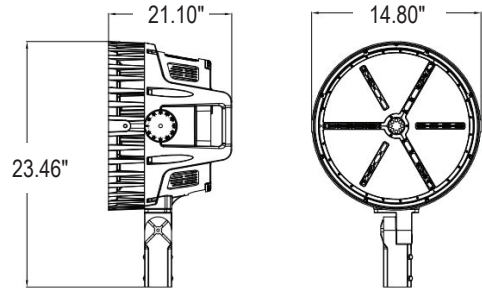
Width (Inches)	24.84"
Height (Inches)	16.14"
Diameter (Inches)	16.14"
Net Weight (lbs)	34.17

PACKAGING

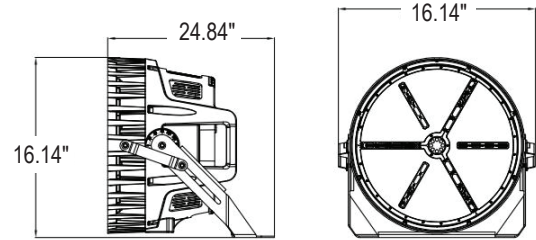
SLIP FITTER & FLOOD MOUNT

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
662187512099	RAYDENT GEN2 SFL: 597.1W / 44076-58768-73460-87726LM / 4000K / 120-277V / 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
662187487625	IK-ACC-SPD-20KV-(100-277V)	SURGE PROTECTION 20kV (100-277V)	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
662187482231	IK-PHC-3PIN-AC100-277V	PHOTOCELL(3 PIN) AC (100-277V)	View / Download
662187540160	IK-PHC-5PIN-AC100-277V	PHOTOCELL(5 PIN) AC (100-277V)	View / Download
662187540177	IK-PHC-7PIN-AC100-277V	PHOTOCELL(7 PIN) AC (100-277V)	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
662187486543	IK-ACC-SPD-10KV-(100-277V)	SURGE PROTECTION 10kV (100-277V)	View / Download
662187487625	IK-ACC-SPD-20KV-(100-277V)	SURGE PROTECTION 20kV (100-277V)	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)