

ITEM SKU#: 662187512044

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	596W
Voltage	120-277V
Current	2.39A
Power Factor	0.9
Total Harmonic Distortion (THD)	15%
Surge Protection	L/N-PE: 10kV, L-N: 6kV

LIGHTING PERFORMANCE

Lumens	40605lm-54140lm-67675lm-80668.6lm
Efficacy	135.35lm/W
Color Temperature (CCT)	5000K
Color Rendering (CRI)	73
R9 (Red Value)	-36
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: 40605lm at 300W, 54140lm at 400W, 67675lm at 500W and 80668.6lm at 596W.
 *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)	1.6ft ²

PART NUMBER & QUALIFICATIONS

Ordering Part Number	IK-SP08-600/500/400/300W-E1PS2MV-50K-BL-SH-20SP-FM
Qualified Part Number	IK-SP08-600/500/400/300W-E1PS2MV-[BR, WH, BL][*3RP*, *3NP*, *3NT*, *5RP*, *5NP*, *5NT*, *7RP*, *7NP*, *7NT* or blank][*10SP* or *20SP* or blank][*AM*, or *FM*]50
SKU Number	662187512044



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)

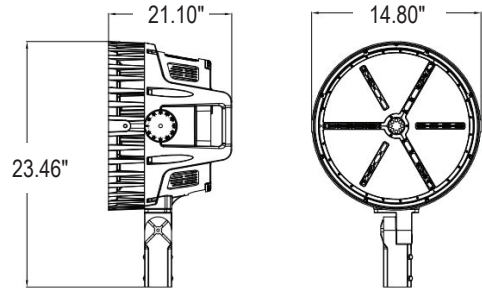
Width (Inches)	24.84"
Height (Inches)	16.14"
Diameter (Inches)	16.14"
Net Weight (lbs)	34.17

PACKAGING

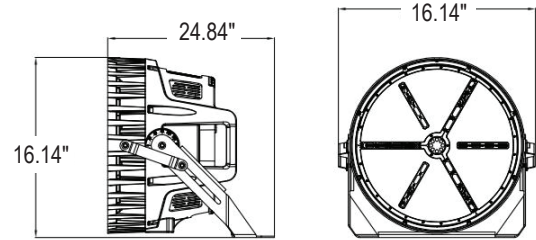
SLIP FITTER & FLOOD MOUNT

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
662187512044	RAYDENT GEN2 SFL: 596W / 40605-54140-67675-80668.6LM / 5000K / 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)