BEACON
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Ratio Flood

COMPACT

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

RATIO

FEATURES

- Compact LED flood with a variety of NEMA distributions for lighting applications such as: safety/security, accent, flag pole, columns or signs
- Part of the Ratio flood series, this luminaire was designed in cohesion with the site/area products to provide a sleek and timeless look
- Features a dense optical array, providing reduced pixelation and increased visual comfort without compromising performance

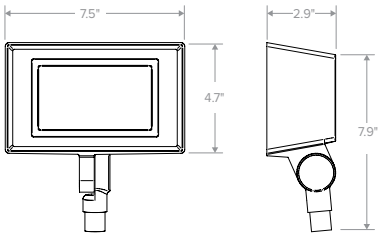
RFL2

RFL3

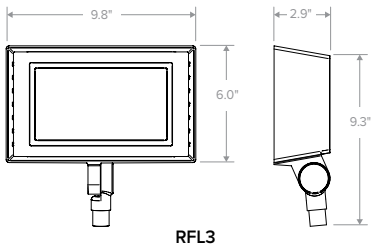
IP66 | DLC LISTED | DLC LISTED PREMIUM | BAA | TAA

SERVICE PROGRAMS

STOCK



RFL2



RFL3

	Weight	EPA (Front/Side)
RFL2	3.7 lbs / 6.12 kg	0.34ft^2 / 0.17ft^2
RFL3	5.5 lbs / 10.8 kg	0.97ft^2 / 0.20ft^2

SPECIFICATIONS

CONSTRUCTION

- Corrosion resistant, rugged die-cast aluminum housing with powder coat paint finish
- High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal
- Internal venting fins create optimal heat dissipation and allow all water to drain from the face of the luminaire
- Lens hardware is internal to the fixture allowing for uniform pressure on the gasket for an optimal water tight seal

OPTICS

- 44 or 90 midpower LEDs
- Stock Versions: 4000K and 5000K CCT
- Variety of NEMA distributions: - N (2x2), M (4x4) and W (6x6) - Stock version Wide (6x6) only
- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance

INSTALLATION

- Traditional ½" x 14 NPS threaded adjustable knuckle mounting
- Easy maintenance access to electrical components with removal of 4 screws from back of fixture housing
- Trunnion mount available (sold separately)

ELECTRICAL

- 120–277V operation, 50/60Hz
- Driver IP66 and RoHS compliant driver
- Ambient operating temperature -40˚C to 40˚C
- 10kV surge protector optional
- 0–10V dimming driver standard, continuous dimming option to have leads pulled out for easy connection
- Drivers have 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls

CERTIFICATIONS

- Fixture is IP66 rated
- Listed to UL1598 for use in wet locations
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions)

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

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ORDERING GUIDE

Example: RFL2–44L-25–4K7–M–UNV–K–DBT–CD–SP

CATALOG # _____

Model		Nominal Lumens		CCT/CRI		Distribution		Voltage		Mounting		Color	
RFL2	Ratio Flood Size 2	**44L–25**	44 LED–3000lm	**3K7**	3000K, 70 CRI	**N**	Narrow, 2x2	**UNV**	Universal 120–277	**K**	Knuckle	**BLT**	Black Matte Textured
RFL3	Ratio Flood Size 3	**90L–40**	90 LED–5000lm	**4K7**	4000K, 70 CRI	**M**	Medium Flood, 4x4					**BLS**	Black Gloss Smooth
		90L–50	90 LED–7000lm	**5K7**	5000K, 70 CRI	**W**	Wide Flood, 6x6					**DBT**	Dark Bronze Matte Textured
												DBS	Dark Brone Gloss Smooth
												GTT	Graphite Matte Textured
												LGS	Light Grey Gloss Smooth
												PSS	Platinum Silver Smooth
												WHT	White Matte Textured
												WHS	White Gloss Smooth
												VGT	Verde Green Textured
												Color Option	
												CC	Custom Color

Control Options		Options	
CD	Continuous Dimmable	**SP**[1]	Surge Protector, 10kA Surge Protector
PC[1]	Button Photcontrol		

1 SP and PC cannot be in the same fixture due to space constraints

ACCESSORIES AND REPLACEMENT PARTS (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**TRN–XXX**[1]	Trunnion adapter for ½" threaded knuckle mount
☐	**ACC-O-RFL2-TV-XXX**[1]	Top Visor - RFL2
☐	**ACC-O-RFL3-TV-XXX**[1]	Top Visor - RFL3

TRN-XXX

1 XXX - Specify finish color to match fixture, e.g. DBT - Dark Bronze Matte

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COMPACT

PERFORMANCE DATA

					5K (5000K nominal, 70 CRI)			4K (4000K nominal, 70 CRI)			3K (3000K nominal, 70 CRI)		
Series	Nominal Watts	Dist. Type	NEMA	Field Angle H° X V°	Lumens	LPW[1]	Max Beam Candlepower	Lumens	LPW[1]	Max Beam Candlepower	Lumens	LPW[1]	Max Beam Candlepower
RFL2	25	N	2 x 2	20 x 20	3308	129	56009	3391	132	57425	3285	128	55632
		M	4 x 4	57 x 57	3124	121	7180	3203	124	7588	3103	120	7426
		W	6 x 6	105 x 105	3245	124	1848	3327	127	1895	3223	123	1836
RFL3	40	N	2 x 2	20 x 20	4525	136	76622	4639	139	69924	4494	135	76107
		M	4 x 4	57 x 57	4273	127	10228	4382	130	10486	4245	126	10159
		W	6 x 6	105 x 105	4439	131	2528	4551	134	2592	4409	130	2511
	50	N	2 x 2	20 x 20	6784	133	114868	6956	136	117772	6739	132	114095
		M	4 x 4	57 x 57	6408	125	17055	6569	128	17486	6364	124	16940
		W	6 x 6	105 x 105	6654	128	3791	6823	131	3886	6610	127	3765

1 Lumen values are from photometric tests performed in accordance with IESNA LM–79–08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

# LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (W)
RFL2	25	120	0.22	26.0
		208	0.13	
		240	0.11	
		277	0.09	
RFL3	40	120	0.28	33.8
		208	0.16	
		240	0.14	
		277	0.12	
	50	120	0.43	51.7
		208	0.25	
		240	0.22	
		277	0.19	

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM–21–11 60,000[1]	100,000	Calculated L70 (Hours)
25°C / 77°C	1.00	0.96	0.94	0.91	0.83	> 191,000
40°C / 104°F	0.99	0.95	0.93	0.93	0.81	> 173,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0˚ C	32˚ F	1.03
10˚ C	50˚ F	1.01
20˚ C	68˚ F	1.00
25˚ C	77˚ F	1.00
30˚ C	86˚ F	0.99
40˚ C	104˚ F	0.98

Use these factors to determine relative lumen output for average ambient temperatures from 0–40°C (32–104°F)

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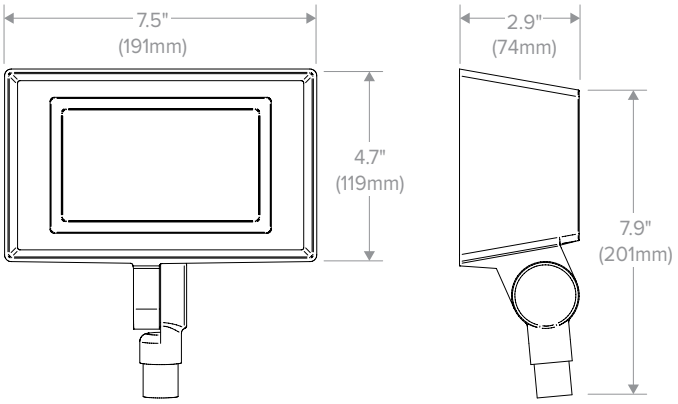
DIMENSIONS

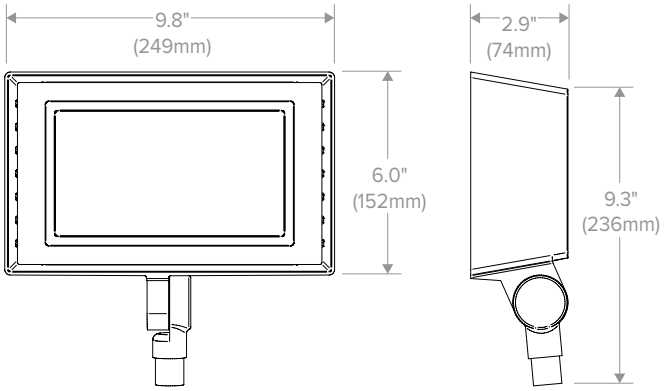
RFL2



RFL2 EPA(Front/Side)

0.34ft² / 0.17ft²

RFL3



RFL3 EPA(Front/Side)

0.97ft² / 0.20ft²

ADDITIONAL INFORMATION

SHIPPING INFORMATION

Catalog Number	G.W (kg)/CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RFL2	3.7lbs (1.68kg)	20.7 (52.7)	15.1 (38.4)	6.9 (17.6)
RFL3	5.5lbs (2.50kg)	25 (63.5)	15.1 (38.4)	6.9 (17.6)

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