

RATIO FLOODLIGHT COMPACT

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Compact LED flood with a variety of NEMA distribution for lighting applications such as safety/security, accent, flag pole, columns, or signs

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 optional heat dissipation and allow all water to drain from the face of the luminaire
- Lens hardware is internal to the fixture allowing for even pressure on the gasket for an optimal water tight seal.

Electrical:

- 120-277V operation, 50/60Hz
- Driver IP66 and RoHS compliant driver
- 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.

Optical/LED:

- 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 1/2" 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)

Listings:

- Fixture is IP66 rated
- Listed to UL1598 for use in wet locations

Warranty:

5 year limited warranty, for more information visit: <http://www.hubbellighting.com/resources/warranty/>

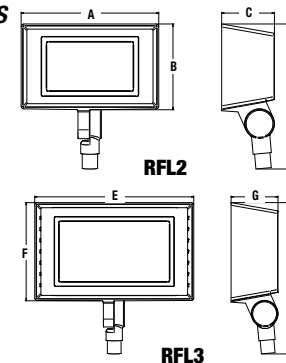
PRODUCT IMAGE(S)



RFL2

RFL3

DIMENSIONS



| A | B | C | D | E |
|---|-------|---|-------|-------|
| 7.5" | 4.7" | 2.9" | 7.9" | 9.8" |
| 191mm | 119mm | 74mm | 201mm | 249mm |
| F | G | H | | |
| 6.0" | 2.9" | 9.3" | | |
| 152mm | 74mm | 236mm | | |
| RFL2 EPA(Front/Side) | | RFL3 EPA(Front/Side) | | |
| 0.34ft ² / 0.17ft ² | | 0.97ft ² / 0.20ft ² | | |

CERTIFICATIONS/LISTINGS



IP66

SHIPPING INFORMATION

| Catalog Number | G.W(kg)/CTN | Carton Dimensions | | |
|----------------|-----------------|-------------------|-----------------|------------------|
| | | Length Inch (cm) | Width Inch (cm) | Height Inch (cm) |
| RFL2 | 3.7lbs(1.68kgs) | 20.75 (52.7) | 15.125 (38.4) | 6.9375 (17.6) |
| RFL3 | 5.5lbs(2.50kgs) | 25 (63.5) | 15.125 (38.4) | 6.9375 (17.6) |

ORDERING INFORMATION - STOCK

| CATALOG DESCRIPTION | MOUNTING | DISTRIBUTION | WATTAGE | VOLTAGE | CCT | LUMENS | WEIGHT LBS. (KG) | FINISH |
|-----------------------------|----------|--------------|---------|----------|-------|--------|------------------|--------|
| RFL2-44L-25-4K-W-U-K-DB* | Knuckle | Wide | 26 | 120-277V | 4000K | 3267 | 13.5 (6.12) | Bronze |
| RFL2-44L-25-5K-W-U-K-DB* | Knuckle | Wide | 26 | 120-277V | 5000K | 3283 | 13.5 (6.12) | Bronze |
| RFL2-44L-25-4K-W-U-K-DB-PC* | Knuckle | Wide | 26 | 120-277V | 4000K | 3267 | 13.5 (6.12) | Bronze |
| RFL2-44L-25-5K-W-U-K-DB-PC* | Knuckle | Wide | 26 | 120-277V | 5000K | 3283 | 13.5 (6.12) | Bronze |
| RFL3-90L-40-4K-W-U-K-DB* | Knuckle | Wide | 34 | 120-277V | 4000K | 4804 | 24.0 (10.8) | Bronze |
| RFL3-90L-40-5K-W-U-K-DB* | Knuckle | Wide | 34 | 120-277V | 5000K | 4827 | 24.0 (10.8) | Bronze |
| RFL3-90L-40-4K-W-U-K-DB-PC* | Knuckle | Wide | 34 | 120-277V | 4000K | 4804 | 24.0 (10.8) | Bronze |
| RFL3-90L-40-5K-W-U-K-DB-PC* | Knuckle | Wide | 34 | 120-277V | 5000K | 4827 | 24.0 (10.8) | Bronze |
| RFL3-90L-60-4K-W-U-K-DB* | Knuckle | Wide | 67 | 120-277V | 4000K | 8043 | 24.0 (10.8) | Bronze |
| RFL3-90L-60-5K-W-U-K-DB* | Knuckle | Wide | 67 | 120-277V | 5000K | 8081 | 24.0 (10.8) | Bronze |
| RFL3-90L-60-4K-W-U-K-DB-PC* | Knuckle | Wide | 67 | 120-277V | 4000K | 8043 | 24.0 (10.8) | Bronze |
| RFL3-90L-60-5K-W-U-K-DB-PC* | Knuckle | Wide | 67 | 120-277V | 5000K | 8081 | 24.0 (10.8) | Bronze |

*Also available with Photocontrol



HUBBELL
Outdoor Lighting

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Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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ORDERING INFORMATION

ORDERING EXAMPLE: RFL2-44-25-4K7-M-UNV-K-DB

| | | | | | | K | | |
|--------------------------------|------------------|--|--|--|------------------------------|------------------|---|--|
| FAMILY | # LEDS | WATTS | CCT/CRI | DISTRIBUTION | VOLTAGE | MOUNTING | COLOR | CONTROL OPTIONS |
| RFL2 Ratio Flood Size 2 | 44 44 LED | 25 3,000 lm | 3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI | N Narrow, 2x2 M Medium Flood, 4x4 W Wide Flood, 6x6 | UNV Universal 120-277 | K Knuckle | DB Dark bronze textured GT Graphite textured GYS Light gray smooth BL Black textured PS Platinum silver smooth WH White textured CC Custom color | CD Continuous Dimmable PC Button Photocontrol |
| RFL3 Ratio Flood Size 3 | 90 90 LED | 40 5,000 lm 65 7,000 lm | | | | | | |

ACCESSORIES/REPLACEMENT PARTS - Order Separately

| Catalog Number | Description |
|---------------------------|--|
| S-302 | Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Gray |
| S-302-M51 | Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; Bronze |
| S-302-M52 | Slipfits 1 1/2" or 2" pipe (1.9" OD or 2 3/8" OD) with 1/2" N.P.S.M. hub; White |
| TRN-XX¹ | Trunnion adaptor for 1/2" threaded knuckle mount |

¹ Specify finish color to match fixture, e.g. DB - Dark bronze.



PERFORMANCE DATA

| Series | Nominal Wattage | SYSTEM WATTS | DIST. TYPE | NEMA | FIELD ANGLE H° X V° | 5K (5000K nominal, 70 CRI) | | | 4K (4000K nominal, 70 CRI) | | | 3K (3000K nominal, 70 CRI) | | |
|--------|-----------------|--------------|------------|-------|---------------------|----------------------------|------------------|----------------------|----------------------------|------------------|----------------------|----------------------------|------------------|----------------------|
| | | | | | | LUMENS | LPW ¹ | MAX BEAM CANDLEPOWER | LUMENS | LPW ¹ | MAX BEAM CANDLEPOWER | LUMENS | LPW ¹ | MAX BEAM CANDLEPOWER |
| RFL2 | 175 | 26W | N | 2 x 2 | 20° x 20° | 3320 | 128 | | 3437 | 132 | 57425 | 3132 | 120 | |
| | | | M | 4 x 4 | 57° x 57° | 3357 | 129 | | 3342 | 129 | | 3167 | 122 | |
| | | | W | 6 x 6 | 105° x 105° | 3283 | 126 | | 3267 | 126 | | 3097 | 119 | 2629 |
| RFL3 | 117 | 34W | N | 2 x 2 | 20° x 20° | 4937 | 146 | | 4618 | 137 | 69924 | 4658 | 138 | |
| | | | M | 4 x 4 | 57° x 57° | 4937 | 146 | | 4914 | 145 | | 4658 | 138 | |
| | | | W | 6 x 6 | 105° x 105° | 4827 | 143 | | 4804 | 142 | | 4554 | 135 | 3065 |
| | 220 | 67W | N | 2 x 2 | 20° x 20° | 8265 | 124 | | 8226 | 124 | | 7797 | 117 | |
| | | | M | 4 x 4 | 57° x 57° | 8265 | 124 | | 8226 | 124 | | 7797 | 117 | |
| | | | W | 6 x 6 | 105° x 105° | 8081 | 122 | | 8043 | 121 | | 7624 | 115 | |

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

| Series | Input Voltage [Volts] | Oper. Current [Amps] | System Power [Watts] |
|---------|-----------------------|----------------------|----------------------|
| RFL2 | 120 | 0.22 | 26 |
| | 208 | 0.13 | |
| | 240 | 0.11 | |
| | 277 | 0.09 | |
| RFL3-35 | 120 | 0.28 | 34 |
| | 208 | 0.16 | |
| | 240 | 0.14 | |
| | 277 | 0.12 | |
| RFL3-70 | 120 | 0.56 | 67 |
| | 208 | 0.32 | |
| | 240 | 0.28 | |
| | 277 | 0.24 | |

PROJECTED LUMEN MAINTENANCE

| AMBIENT TEMP. | OPERATING HOURS | | | | | Calculated L70 (HOURS) |
|---------------|-----------------|--------|--------|------------------------------|---------|------------------------|
| | 0 | 25,000 | 50,000 | ¹ TM-21-11 60,000 | 100,000 | |
| 25°C / 77°F | 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 |

¹ - Samsung LM101B, 250mA

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 |
| 50°C | 122°F | 0.97 |

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).