

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 4"
RECESSED HOUSINGS**4RLD**

PRODUCT DESCRIPTION

Energy efficient LED retrofit module fits into standard 4" IC or non-IC recessed housings • Replaces 50W incandescent lamp, producing over 575 lumens • Dimmable with most standard incandescent dimmers and electronic low voltage dimmers • LED retrofit module is designed to provide 36,000 hours of life • 5 year warranty

PRODUCT SPECIFICATIONS

LED Retrofit Downlight Trim Cast aluminum trim with white baffle and flange. All-in-one design where LED light engine mounts directly to trim for ease of installation into existing 4" recessed housings with medium base sockets • Provided with push-in friction springs.

LED Light Engine LEDs mounted directly to aluminum housing designed to provide superior thermal management and ensure long life • 2700K or 3000K LED color temperature • 90 CRI minimum • Accommodates 120 volts AC at 60Hz • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • For a list of compatible dimmers, see [JUNORETROBASICS-DIM](#).

Electrical Connections Trim features quick connect plug installed as standard for installation into IC1-LEDT24 and IC1R-LEDT24 housings with mating connector • Trim ships with a medium base socket adapter whip for installation into 4" incandescent housings with medium base sockets.

Trim Cast aluminum baffle trim with white finish • Diffusing lens conceals the LEDs from direct view and provides uniform aperture luminance.

Life Rated for 36,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Qualified • Certified to the high efficacy requirements of California T24 • UL and cUL classified for use with most standard UL listed 4" recessed incandescent housings and Juno IC1-LEDT24 and IC1R-LEDT24; see below for specific compatibility requirements • Damp location • Suitable for wet locations (indoor covered ceilings).

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Product specifications subject to change without notice.

INSTALLATION

The LED retrofit baffle trim is provided with push-in friction springs as standard.

COMPATIBLE HOUSINGS

The 4RLD retrofit baffle trim is compatible with most 4" recessed housings measuring at least 4" high with an inside diameter between 4" and 4-1/2".

Compatible housings include, but not limited to:

Juno housings: IC1 and TC1 Series

Juno quick-connect LED housings: [IC1-LEDT24](#) and [IC1R-LEDT24](#)

Vulite housings: V4IC and V4TC Series

Halo housings: H99 Series

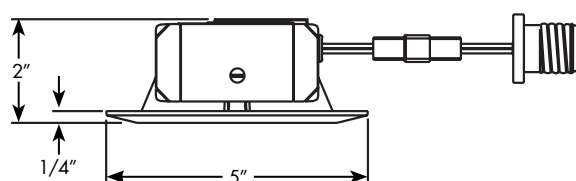
Thomas housings: PS4 Series

Capri housings: P4 and R4 Series

Lithonia housings: L3 Series



DIMENSIONS



PRODUCT CODES

| Catalog Number | Description |
|-----------------------|------------------------------------|
| 4RLD-927-6-WWH | 4" LED retrofit baffle trim, 2700K |
| 4RLD-930-6-WWH | 4" LED retrofit baffle trim, 3000K |

PERFORMANCE DATA

| | 27K | 3K |
|-----------------------|---|---|
| Input Voltage | 120V | 120V |
| Input Power Typical | 11W | 11W |
| Frequency | 60Hz | 60Hz |
| EMI/RFI | FCC Title 47, Part 15 Class B (consumer) | FCC Title 47, Part 15 Class B (consumer) |
| Minimum starting temp | -30°C (-22°F) | -30°C (-22°F) |
| CRI | 90 min. | 90 min. |
| CCT | 2700K | 3000K |

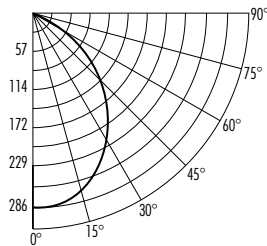
4" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 4"
RECESSED HOUSINGS

4RLD

PHOTOMETRIC REPORT

Test Report#: PT05141201R
Catalog No: 4RLD-927-6-WWH
Luminaire Spacing Criteria: 1.24
Luminaire LPW: 51



CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|------------------|-----|
| 0 | 286 |
| 5 | 285 |
| 15 | 272 |
| 25 | 246 |
| 35 | 203 |
| 45 | 142 |
| 55 | 77 |
| 65 | 33 |
| 75 | 13 |
| 85 | 3 |
| 90 | 0 |

AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4' | 38 | 31 | 25 |
| 5' | 25 | 20 | 16 |
| 6' | 17 | 14 | 11 |
| 7' | 14 | 11 | 9 |
| 8' | 11 | 9 | 7 |
| 9' | 8 | 7 | 5 |
| 10' | 6 | 5 | 4 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 217 | N/A | 37.9 |
| 0-40° | 343 | N/A | 59.9 |
| 0-60° | 522 | N/A | 91.1 |
| 0-90° | 573 | N/A | 100.0 |

INITIAL FOOTCANDLES (One Unit: 11.3W, 89.6° Beam)

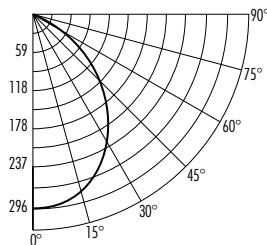
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4' | 17.9 | 7.9 |
| 6' | 7.9 | 11.9 |
| 8' | 4.5 | 15.9 |
| 10' | 2.9 | 19.9 |

LUMINANCE (Average cd/m²)

| Angle in Degrees | Average 0-90° |
|------------------|---------------|
| 45° | 30616 |
| 55° | 20373 |
| 65° | 11700 |
| 75° | 7630 |
| 85° | 4771 |

PHOTOMETRIC REPORT

Test Report#: PT05141201R
Catalog No: 4RLD-930-6-WWH
Luminaire Spacing Criteria: 1.24
Luminaire LPW: 52



CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|------------------|-----|
| 0 | 296 |
| 5 | 295 |
| 15 | 281 |
| 25 | 255 |
| 35 | 210 |
| 45 | 147 |
| 55 | 79 |
| 65 | 34 |
| 75 | 13 |
| 85 | 3 |
| 90 | 0 |

AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4' | 40 | 32 | 26 |
| 5' | 25 | 20 | 17 |
| 6' | 18 | 14 | 12 |
| 7' | 14 | 11 | 9 |
| 8' | 11 | 9 | 7 |
| 9' | 9 | 7 | 6 |
| 10' | 6 | 5 | 4 |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 224 | N/A | 37.9 |
| 0-40° | 355 | N/A | 59.9 |
| 0-60° | 539 | N/A | 91.1 |
| 0-90° | 592 | N/A | 100.0 |

INITIAL FOOTCANDLES (One Unit: 11.3W, 89.6° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4' | 18.5 | 7.9 |
| 6' | 8.2 | 11.9 |
| 8' | 4.6 | 15.9 |
| 10' | 3.0 | 19.9 |

LUMINANCE (Average cd/m²)

| Angle in Degrees | Average 0-90° |
|------------------|---------------|
| 45° | 31651 |
| 55° | 21062 |
| 65° | 12095 |
| 75° | 7888 |
| 85° | 4931 |