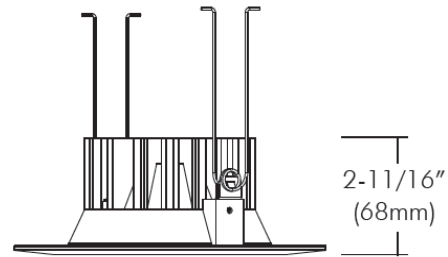
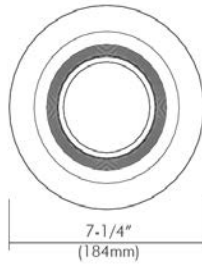




RLR-5612

LED RETROFIT MODULE FOR 5" OR 6" HOUSING
RESIDENTIAL LED RECESSED DOWNLIGHTS

| | |
|-------------|--|
| Type | |
| Project | |
| Catalog No. | |



DESCRIPTION

Easily convert any 5" or 6" incandescent recessed downlight to the latest in LED technology without special tools or rewiring. Incorporating JESCO's exclusive Driverless AC LED technology and patent pending inrush current protection, the high lumen 12.8 W COB produces a similar light output to that of a 65W PAR 38 or 23W CFL. Our LED retrofit module operates directly from an AC source, eliminating the need for an additional driver. The unit is provided with a detachable E26 Base adapter that attaches into an existing E26 incandescent or an optional GU24 socket. These lights are suitable for use in either IC/airtight or non-IC applications and in wet, damp or dry environments. This retrofit module is designed for use with all of JESCO's 5" and 6" housings (including shallow), and is ETL classified for most competitor housings currently on the market. It can be dimmed by most standard incandescent, electronic or magnetic low voltage and CFL/LED dimmers. Without the need for the traditional LED driver, years of reliable and energy saving service can be expected.

FEATURES

- 795 lm from 12.5W
- Very High Efficacy of 64 Lm/W
- CRI of 80+ and 90+
- Available in 2700K, 3500K and 4000K
- Advanced heat sink provides superior thermal management for 50,000 hours of operation with 70% lumen maintenance
- Patent pending inrush current protection
- Unique impact resistant polycarbonate lenses provides uniform light output with lamp-like appearance
- Dimmable (see compatibility list)
- Securely mounts into housing with torsion springs.
- Integrated die cast aluminum trim and heat sink
- Optional GU24 connector cable for incandescent housings

SPECIFICATIONS

| Model | RLR-5612 | |
|----------------|--|---------|
| Description | COB LED Retrofit Module | |
| Input Voltage | 120 VAC 50/60Hz | |
| CCT | 2700K / 3500K / 4000K | |
| CRI | 90+ | 80+ |
| Wattage | 12.5W | 12.8W |
| Lumens | 795 lm | 910 lm |
| Efficacy | 64 lm/W | 71 lm/W |
| Beam Angle | 97° | 96.3° |
| Dimmable** | See compatibility list | |
| Lamp Life | 50,000 hours | |
| Dimensions | See Drawing Above | |
| Environment | Indoor - Wet, Dry, Damp | |
| Certifications | | |
| Warranty | 5 Years – see published warranty terms for detailed information. | |

■ Based on 4000K

*Exceeding the operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and adversely impact color consistency. It is recommended adequate airflow and heatsinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure and void the warranty



ORDERING INFORMATION - LED RETROFIT MODULE FOR 5" OR 6" HOUSINGS

| MODEL | SIZE | WATTAGE | CCT / CRI | TRIM FINISH |
|-------|------------------------|---|---|---|
| RLR | 56 56 – 5 or 6 inch | 12 12 – 12.5W (90CRI) 12.8W (80CRI) | 2790 - 2700K / 90 CRI 3590 - 3500K / 90 CRI 4090 - 4000K / 90 CRI 2780 - 2700K / 80 CRI 3080 - 3000K / 80 CRI 4080 - 4000K / 80 CRI 3090 - 3000K / 90 CRI** | WHWH WHWH – Integral White Baffle / White Trim |

**Consult Factory
Example: RLR-5612-2780-WHWH



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support@jescolighting.com
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Port Washington, NY 11050
Main Line: 800.527.7796
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219 South 6th Ave
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Fax Line: 626.333.2955

12/6/2017

Specifications subject to change without notice.



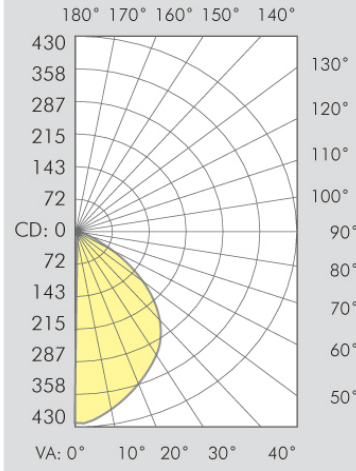
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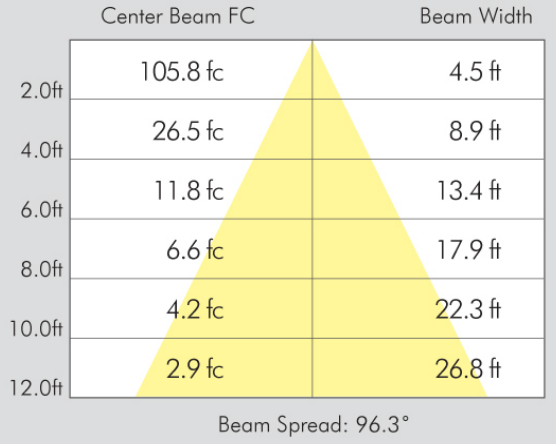
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PHOTOMETRIC INFORMATION

Polar Candela Distribution



Illuminance at a Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| RC % | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW % | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 100 | 100 | 100 | 100 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 88 | 100 | 98 | 95 | 96 | 94 | 92 | 93 | 91 | 90 | 88 | 88 | 88 | 88 |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 77 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | 76 | 76 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 67 | 80 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | 66 | 66 | 66 |
| 4 | 87 | 76 | 68 | 62 | 85 | 75 | 67 | 59 | 72 | 66 | 61 | 70 | 65 | 60 | 68 | 63 | 59 | 57 | 57 | 57 | 57 |
| 5 | 80 | 68 | 60 | 54 | 78 | 67 | 60 | 52 | 65 | 59 | 53 | 63 | 58 | 53 | 62 | 57 | 52 | 50 | 50 | 50 | 50 |
| 6 | 74 | 62 | 54 | 48 | 73 | 61 | 53 | 46 | 59 | 53 | 47 | 58 | 52 | 47 | 56 | 51 | 47 | 45 | 45 | 45 | 45 |
| 7 | 69 | 57 | 48 | 43 | 68 | 56 | 48 | 42 | 54 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 42 | 40 | 40 | 40 | 40 |
| 8 | 65 | 52 | 44 | 38 | 63 | 51 | 44 | 38 | 50 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 36 | 36 | 36 | 36 |
| 9 | 60 | 48 | 40 | 35 | 59 | 47 | 40 | 34 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 32 | 32 | 32 | 32 |
| 10 | 57 | 44 | 37 | 32 | 56 | 44 | 36 | 31 | 43 | 36 | 32 | 42 | 36 | 31 | 41 | 35 | 31 | 30 | 30 | 30 | 30 |

Zonal Lumen Summary

| Zone | Lumens | % Lamp | % Luminaire |
|------|--------|--------|-------------|
| 0-30 | 306.6 | 34.3% | 34.6% |
| 0-40 | 492.6 | 55.0% | 55.0% |
| 0-60 | 803.1 | 89.7% | 89.7% |
| 0-90 | 894.9 | 100.0% | 100.0% |

Lumens Per Zone

| Zone | Lumens | % Total LU | Zone |
|-------|--------|------------|---------|
| 0-10 | 39.3 | 4.4% | 90-100 |
| 10-20 | 108.5 | 12.1% | 100-110 |
| 20-30 | 158.8 | 17.7% | 110-120 |
| 30-40 | 186.0 | 20.8% | 120-130 |
| 40-50 | 181.4 | 20.3% | 130-140 |
| 50-60 | 129.1 | 14.4% | 140-150 |
| 60-70 | 62.7 | 7.0% | 150-160 |
| 70-80 | 23.4 | 2.6% | 160-170 |
| 80-90 | 5.8 | 0.7% | 170-180 |

COMPATIBLE JESCO LINE VOLTAGE HOUSINGS

| MODEL | DESCRIPTION | |
|--|----------------------------------|--|
| RS6000B RS6000BA RS6000BIC RS6000ICA RS6000ICS | 6" Line Voltage New Construction | |
| RS5500BA RS5500BICA | 5" Line Voltage New Construction | |



www.jescolighting.com
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OTHER COMPATIBLE LINE VOLTAGE HOUSINGS

| | |
|-------------------|--|
| HALO | H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICT, H7UICAT, H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT |
| ALL-PRO | E1700AT, E1700RAT, E700ATNB, EI700, EI700R, EI700ATNB, EI700NB, ET700, ET700R, EI700U, EI700UAT, E2700AT, EI2700, EI2700R, ET2700, ET2700R |
| JUNO | IC22, IC22R, IC22W, IC22S, IC23, IC23W, IC21, IC21R, TC2, TC2R, IC20, IC20R, TC20, TC20R |
| CAPRI | CR1, PR1, QL1. R9ASIC |
| LITHONIA | L7X, L7XP |
| THOMAS | PS1, R9ASIC/PS9RM |
| PRESCOLITE | BXS |

COMPATIBLE DIMMERS

| MANUFACTURER | STYLE | MODEL NUMBER | TYPE |
|---------------------------|-----------------|--------------|-----------------------------------|
| Lutron | Diva | DVCL-153P | (CFL/LED) |
| | Diva | DVELV-303P | (Electronic Low Voltage) |
| | Diva | DVLV-600P | (Magnetic Low Voltage) |
| | Maestro | MACL-153M | (CFL/LED) |
| | Maestro | MFR2-6DN-120 | (Spec Grade) |
| | Skylark | SELV-300P | (Electronic Low Voltage) |
| | Skylark | S-600 | (Incandescent) |
| | Skylark Contour | CTCL-153P | (CFL/LED) |
| Leviton | Acenti | Ate06-1LW | (Electronic Low Voltage) |
| | Trimatron | 705 | (Incandescent) |
| Cooper | Devine | D106P | (Incandescent/Magnet/Low Voltage) |
| Pass & Seymour | Harmony | | (Incandescent 600W) |

ACCESSORIES



AC-GU24/CONN
Optional GU24 Socket Adaptor