

PROJECT: _____

DATE: _____

TYPE: _____

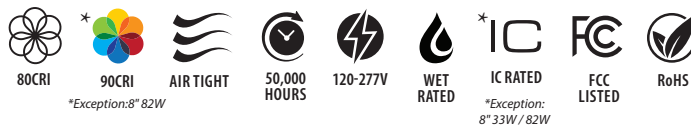
PREPARED BY: _____



KEY FEATURES

- High-performance LEDs for commercial application
- Replacement for traditional compact fluorescent recessed downlights
- Retrofit and new construction applications
- UL wet and Energystar rated
- Meets air-tight requirements
- Matte white smooth trim finish
- Available in 3 color temperatures: 3000K, 3500K, 4000K
- 0-10V dimmable
- Spring-loaded retention clips
- 25-inch flexible conduit
- 5-Year, No-Compromise warranty

Performance downlights for new construction or retrofit in commercial applications



TECHNICAL SPECIFICATIONS

CONSTRUCTION

Housing Material

Cast aluminum flange and heat sink
Plastic driver housing

Housing Finish

Matte White

Trim Style

Smooth

Lens

Precision-engineered polystyrene diffuser provides high uniformity and reduced glare. No visible diodes, hot-spots or shadows

Beam Angle

90° beam angle

Mounting

Adjustable, spring-loaded retention tabs ensure secure fixture retention on ceilings up to 1 1/2" thick

Gaskets

Gasket included can achieve restrictive airflow and wet location without any additional gasket or caulk

Finish

Formulated for high durability and long-lasting color

COMPLIANCE

Safety Listing

UL Listed, UL Classified

Environment/Fixture Rating

Wet Location

Air Tight

Airtight per ASTM-E283-04

IC Rating

Yes

(Note: 8" 33W and 82W are not IC Rated)

T24 JA8 Compliant

Only 90CRI models

Lawful for Sale in California

Only 90CRI models

FCC

Complies with Part 15 of the FCC Rules.

RoHS

Mercury and UV free. RoHS-compliant components.

PERFORMANCE

Lifespan

50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL

THD

<20%

Power Factor

≥0.9

Input Voltage

120-277V

Operating Frequency

50/60Hz

Operating Temperature

-30°C to 40°C

Note

All values are typical (tolerance +/- 10%)

OTHER

Warranty

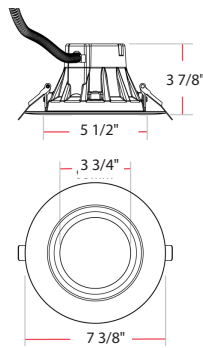
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

RAB warranty is subject to all terms and conditions found at: rablighting.com

DIMENSIONS

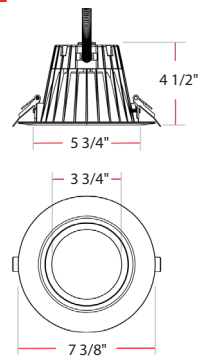
6" 12W

Weight: 1.04 lbs



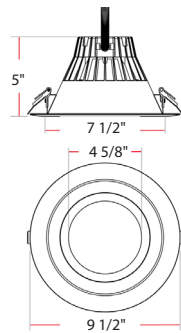
6" 18W

Weight: 1.52 lbs



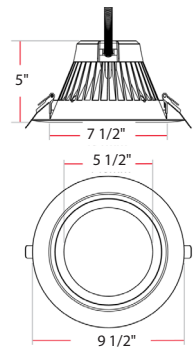
8" 24W

Weight: 1.88 lbs



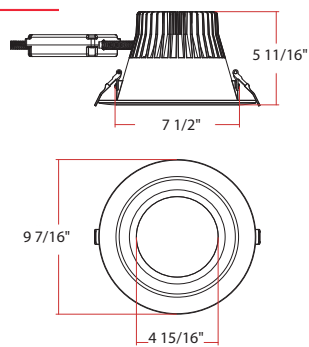
8" 33W

Weight: 2.39 lbs



8" 82W

Weight: 4.1 lbs



Commercial Downlights



PERFORMANCE

Commercial Downlights 80CRI

| C6R 12W 6IN ROUND 1000 LM | 4000K | 3500K | 3000K |
|---------------------------|---------|---------|---------|
| LUMENS | 1,143 | 1,069 | 1,064 |
| INPUT WATTS | 12 | 12 | 12 |
| LM/W | 87.5 | 87.5 | 87.5 |
| CRI | 80 | 80 | 80 |
| EQUIVALENCY | 18W CFL | 18W CFL | 18W CFL |

| C6R 18W 6IN ROUND 1000 LM | 4000K | 3500K | 3000K |
|---------------------------|---------|---------|---------|
| LUMENS | 1,855 | 1,719 | 1,713 |
| INPUT WATTS | 18 | 18 | 18 |
| LM/W | 94.4 | 94.4 | 94.4 |
| CRI | 80 | 80 | 80 |
| EQUIVALENCY | 32W CFL | 32W CFL | 32W CFL |

| C8R 24W 6IN ROUND 2400 LM | 4000K | 3500K | 3000K |
|---------------------------|-----------|-----------|-----------|
| LUMENS | 2,511 | 2,348 | 2,337 |
| INPUT WATTS | 24 | 24 | 24 |
| LM/W | 95.8 | 95.8 | 95.8 |
| CRI | 80 | 80 | 80 |
| EQUIVALENCY | 2X26W CFL | 2X26W CFL | 2X26W CFL |

| C8R 33W 6IN ROUND 3500 LM | 4000K | 3500K | 3000K |
|---------------------------|-----------|-----------|-----------|
| LUMENS | 3,675 | 3,524 | 3,530 |
| INPUT WATTS | 33 | 33 | 33 |
| LM/W | 106.1 | 106.1 | 106.1 |
| CRI | 80 | 80 | 80 |
| EQUIVALENCY | 2X42W CFL | 2X42W CFL | 2X42W CFL |

| C8R HO 82W 8" ROUND 8000 LM | 5000K | 4000K | 3500K | 3000K |
|-----------------------------|------------------------|-------|-------|-------|
| LUMENS | 8,100 | 8,100 | 8,000 | 8,000 |
| INPUT WATTS | 82 | 82 | 82 | 82 |
| LM/W | 95 | 95 | 95 | 95 |
| CRI | 80 | 80 | 80 | 80 |
| EQUIVALENCY | 200W/250W METAL HALIDE | | | |

Commercial Downlights 90CRI

| C6R 12W 6IN ROUND 900 LM | 4000K | 3500K | 3000K |
|--------------------------|---------|---------|---------|
| LUMENS | 1,015 | 923 | 934 |
| INPUT WATTS | 12 | 12 | 12 |
| LM/W | 87.5 | 87.5 | 87.5 |
| CRI | 90 | 90 | 90 |
| EQUIVALENCY | 18W CFL | 18W CFL | 18W CFL |

| C6R 18W 6IN ROUND 1500 LM | 4000K | 3500K | 3000K |
|---------------------------|---------|---------|---------|
| LUMENS | 1,631 | 1,543 | 1,510 |
| INPUT WATTS | 18 | 18 | 18 |
| LM/W | 94.4 | 94.4 | 94.4 |
| CRI | 90 | 90 | 90 |
| EQUIVALENCY | 32W CFL | 32W CFL | 32W CFL |

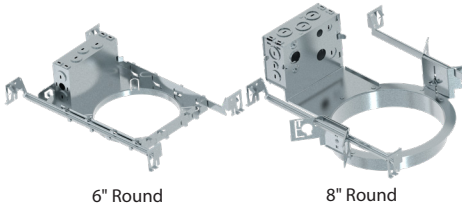
| C8R 24W 6IN ROUND 2000 LM | 4000K | 3500K | 3000K |
|---------------------------|-----------|-----------|-----------|
| LUMENS | 2,079 | 2,015 | 2,026 |
| INPUT WATTS | 24 | 24 | 24 |
| LM/W | 95.8 | 95.8 | 95.8 |
| CRI | 90 | 90 | 90 |
| EQUIVALENCY | 2X26W CFL | 2X26W CFL | 2X26W CFL |

| C8R 33W 6IN ROUND 3000 LM | 4000K | 3500K | 3000K |
|---------------------------|-----------|-----------|-----------|
| LUMENS | 3,307 | 3,017 | 3,035 |
| INPUT WATTS | 33 | 33 | 33 |
| LM/W | 106.1 | 106.1 | 106.1 |
| CRI | 90 | 90 | 90 |
| EQUIVALENCY | 2X42W CFL | 2X42W CFL | 2X42W CFL |

Commercial Downlights

ACCESSORIES

Mounting Frames (Rough Ins)



6" Round

8" Round

| Catalog Number | UPC | Description | Packaging |
|----------------|--------------|------------------------|-----------|
| DLFRAME/C6R | 192552000697 | Commercial DL Frame 6" | 1 |
| DLFRAME/C8R | 192552000703 | Commercial DL Frame 8" | 1 |

Trims 6":



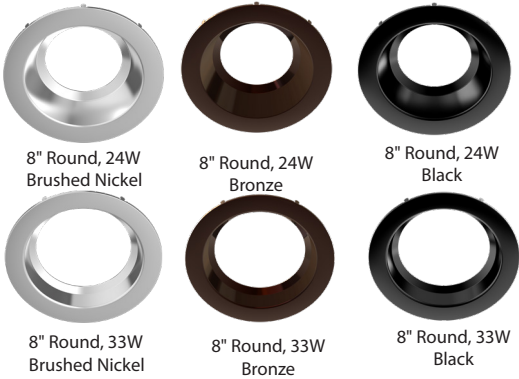
6" Round
Brushed Nickel

6" Round
Bronze

6" Round
Black

| Catalog Number | UPC | Description | Packaging |
|----------------|--------------|---------------------------------------|-----------|
| DLTRIM/R6RS-BN | 192552000925 | 6" Round Trim, Smooth, Brushed Nickel | 1 |
| DLTRIM/R6RS-BR | 192552000932 | 6" Round Trim, Smooth, Bronze | 1 |
| DLTRIM/R6RS-B | 192552000949 | 6" Round Trim, Smooth, Black | 1 |

Trims 8":



8" Round, 24W
Brushed Nickel

8" Round, 24W
Bronze

8" Round, 24W
Black

8" Round, 33W
Brushed Nickel

8" Round, 33W
Bronze

8" Round, 33W
Black

| Catalog Number | UPC | Description | Packaging |
|------------------|--------------|--|-----------|
| DLTRIM/C8R24S-BN | 192552001014 | 8" Round Trim, 24W, Smooth, Brushed Nickel | 1 |
| DLTRIM/C8R24S-BR | 192552001021 | 8" Round Trim, 24W, Smooth, Bronze | 1 |
| DLTRIM/C8R24S-B | 192552001038 | 8" Round Trim, 24W, Smooth, Black | 1 |
| DLTRIM/C8R33S-BN | 192550001045 | 8" Round Trim, 33W, Smooth, Brushed Nickel | 1 |
| DLTRIM/C8R33S-BR | 192552001052 | 8" Round Trim, 33W, Smooth, Bronze | 1 |
| DLTRIM/C8R33S-B | 192552001069 | 8" Round Trim, 33W, Smooth, Black | 1 |

ORDERING MATRIX

Commercial Downlights

| Family | Size-Shape | Wattage | CRI - Color Temperature | Voltage Rating | Fixture Finish |
|----------|--------------------------------|---|--|----------------|----------------|
| C | | | | UNV | W |
| | 6R = 6" Round 8R = 8" Round | for 6" Round 12 = 12W 18 = 18W For 8" Round 24 = 24W 33 = 33W 82* = 82W | 830 = 80 CRI @ 3000K 835 = 80 CRI @ 3500K 840 = 80 CRI @ 4000K * 850 = 80 CRI @ 5000K 930 = 90 CRI @ 3000K 935 = 90 CRI @ 3500K 940 = 90 CRI @ 4000K * Only for 8" Round 80 CRI 82W | UNV = 120-277V | W = White |