



<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current, Class 2	Watts	20W
120V	0.16A	Color Temp	2700/3000/3500/4000/5000K
208V	N/A	Color Accuracy	90 CRI
240V	N/A	L70 Lifespan	50,000 Hours
277V	N/A	Lumens	1,850 lm
Input Watts	20W	Efficacy	80

## Technical Specifications

### Performance

**Product Type:**  
Trimless Recessed

### Description:

Trimless downlights make any space feel high-end. Great for new construction and retrofit applications. Available in 2", 3" & 4" small apertures while still providing great lumen output.

### Wattage Equivalency:

125W Incandescent

### Input Wattage:

20W

### Lumens:

2700K @ 1,767lm  
3000K @ 1,876lm  
3500K @ 1,995lm  
4000K @ 2,050lm  
5000K @ 2,049lm

### Efficacy:

2700K @ 89lm/W  
3000K @ 96lm/W  
3500K @ 104lm/W  
4000K @ 105lm/W  
5000K @ 101lm/W

### L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

### Electrical

#### Driver:

Constant Current, Class 2, 60 Hz

#### THD:

≤25%

#### Power Factor:

≥0.9

#### Dimmable:

Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.

#### Input Voltage:

120V

#### Operating Frequency:

60 Hz

#### Input Current @ 120V (mA):

160mA

#### Operating Temperature:

-13°C to 104°F (-25°C to 40°C)

### Flicker:

≤30%

### Beam Angle:

38°±5°

### LED Characteristics

#### Color Temperature:

Field adjustable via dip switch  
2700K/3000K/3500K/4000K/5000K

#### Color Accuracy (CRI):

>90 CRI

#### R9 Value:

High color performance with R9 greater than 50

#### Color Consistency:

<4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

#### Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

## Technical Specifications (continued)

### Installation

#### Remote Driver/Junction Box:

Die-formed metal driver & junction box with captive hinged junction box cover. Listed for maximum of (4) 12AWG through-branch circuit conductor suitable for 90°C permitted in box. Easy to wire in 2in/2out (plus ground) applications. (4) conduit pry-outs. (3) quick snap-in connectors for quick and reliable line voltage connections. Integral mounting facilitates direct mounting to building structure or mounting frame.

#### Mounting:

Recessed mounting, not for use inside downlight housings

### Construction

#### Size:

4"

#### Shape:

Round

#### Finish:

White

#### Enclosure Material:

Metal

#### Trim Style:

Smooth

#### Lens Finish:

Clear

#### Lens:

Polycarbonate light diffuser distributes light evenly and smoothly for general lighting applications

#### Air Tight:

Housing certified Air Tight as per ASTM E283

### Compliance

#### ETL Listed:

This product has been tested by Intertek and found in compliance with accepted national standards.

#### Environment:

Suitable for use indoors and outdoors in dry, damp, or wet environments.

#### IC Rated:

Suitable for direct contact with insulation. Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations. Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013.

#### Energy Star Approved:

This product is ENERGY STAR® Version 1.0 Certified.

#### Energy Star ID:

3417558

#### Certification Model Number:

DLR0149(R4TL)

#### California Title 20 Compliant:

No

#### California Title 24 JA8 Compliant:

Can be used to conform with the requirements of California Title 24 Part 6

#### California Energy Commission (CEC) Status:

Lawful for Sales in California

#### NEC Compliant:

Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C3).

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### RoHS:

Mercury and UV free. RoHS-compliant components.

#### FCC:

Complies with Part 15 of the FCC Rules

### Other

#### Compatible Accessories:

[DRI-21-EMGR-DC-D10](#)

Emergency driver T20

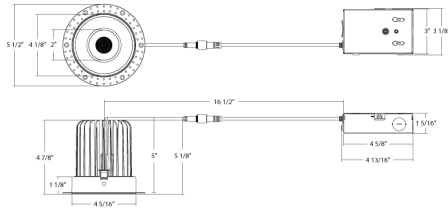
#### Warranty:

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's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

#### Note:

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

**Dimensions**



**Features**

- High-end trimless design
- 5 Field-adjustable CCTs
- Deep regress, remote driver downlight
- No recessed housing or J-box required
- 120V Triac dimmable driver included

**Ordering Matrix**

Family	Size/Wattage	Shape	CRI/Color Temp	Voltage/Dimming	Finish	Trim
R	4					TL
	2 = 2", 9W 3 = 3", 15W 4 = 4", 20W	Blank = Round	Blank = 90 CRI, 2700K/3000K/3500K/4000K/5000K CCT Adjustable	Blank = 120V, TRIAC/ELV	Blank = White	TL = Trimless