

FEATURES & SPECIFICATIONS

INTENDED USE — LED downlight for retrofit of installed 6" nominal commercial "pan-style" housings with incandescent, compact fluorescent (CFL), or high intensity discharge (HID) sources. Compatible range is 5 3/4" to 6 7/8". All installation can be performed from the room side without removing the existing fixture. Multiple lumen packages to replace the installed base of CFL or HID sources with energy savings up to 50%. See Lumen Equivalency Chart.

CONSTRUCTION — Innovative housing design that simultaneously retaining and centers the fixture in the existing mounting pan.

OPTICS — LED light source with diffuse lens recessed in a reflector with a 55-degree cutoff. Aluminum full reflectors are optically designed to maximize lumen output and to provide superior glare control.

Anodized trim colors for open reflectors are clear diffuse, pewter or wheat. White polyester powder coat also available.

Minimum CRI of 80.

ELECTRICAL — Proprietary electrical design allows for excellent line voltage dimming down to 10% light output on 120V product. The zero inrush design enables maximum loading of incandescent dimmers. This enables customers to add dimming of a low cost without pulling additional wires. For compatible dimmers and dimming range, refer to Dimmer Compatibility Chart.

The system maintains 70% lumen output at more than 50,000 hours.

LISTINGS — CSA certified to US and Canadian safety standards. Wet location listed. ENERGY STAR® certified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

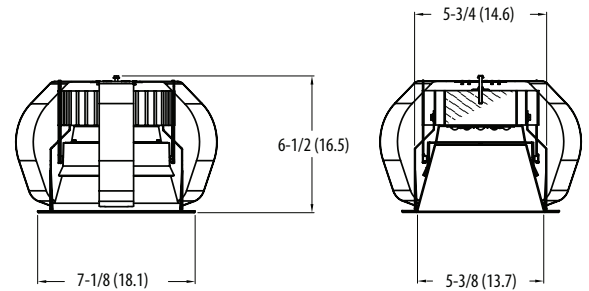
| LUMEN EQUIVALENCY CHART* | | | | | | |
|--------------------------|-----------|------|-----------|------|-----------|------|
| | RV6 35/06 | | RV6 35/10 | | RV6 35/15 | |
| | 120V | 277V | 120V | 277V | 120V | 277V |
| Delivered lumens (lm) | 615 | 790 | 900 | 1200 | 1475 | 1580 |
| Nominal wattage (W) | 9 | 10.5 | 14 | 16 | 22.5 | 23 |
| Comparable fluorescent | 18W CFL | | 26W CFL | | 32W CFL | |
| Comparable incandescent | 65W BR30 | | 120W BR40 | | 150W A21 | |
| Comparable halogen PAR | 50W | | 75W | | 90W | |

* Data based on LM-79 test reports.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |

RV6 LED

**6" OPEN LED
Non-IC
Retrofit Downlight**



Specifications

| | | | |
|---------------|---------------|-------------------------|--------------|
| Aperture: | 5-5/16 (13.5) | Max. ceiling opening: | 6-7/8 (17.5) |
| Overlap trim: | 7-1/8 (18.1) | Min. ceiling opening: | 5-3/4 (14.6) |
| Height: | 6-1/2 (16.5) | Max. ceiling thickness: | 2 (5.1) |
| Length: | 7 (17.8) | | |

All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RV6 35/15 R06AR 120

| RV6 Series | Color temperature | Lumens | Reflector | Trim color | Finish | Voltage | Options |
|------------|-------------------|-----------------------------|---------------|-----------------------|-----------------------|---------|---------------------------|
| RV6 | 27/ 2700 K | 06 600 lumens ¹ | R06 Downlight | AR Clear | (blank) Semi-specular | 120 | TRW White painted flange |
| | 30/ 3000 K | 10 1000 lumens ¹ | RW6 Wallwash | PR Pewter | LD Matte-diffuse | 277 | TRBL Black painted flange |
| | 35/ 3500 K | 15 1500 lumens ¹ | | WTR Wheat | LS Specular | | |
| | 40/ 4000 K | | | WR White ² | | | |

Accessories: Order as separate catalog number.

| | |
|-------------------------------|--|
| EAC ISSM 375 | Compact interruptible emergency AC power system |
| EAC ISSM 125 | Compact interruptible emergency AC power system |
| RK2 SDT 347277120 395VA AD JZ | 347V step down transformer mounted in box installed by others |
| GRA68 JZ | Oversized trim ring with 8" outside diameter. Refer to TECH-GOOF RINGS for more options. |
| RV6RGIN | 6" rough-in frame. Refer to RV ROUGH-IN FRAMES . |
| RV6RGIN IFB | 6" install from below, rough-in frame. Refer to RV ROUGH-IN FRAMES . |

Notes

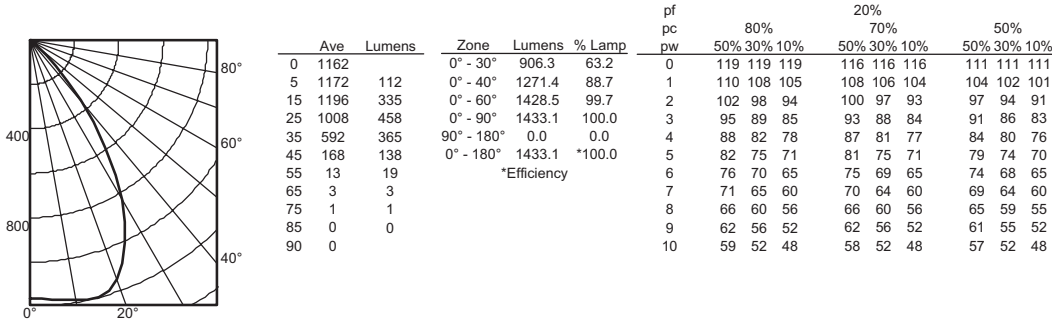
- 1 Approximate lumen output.
- 2 Not available with finishes.

RV6 LED

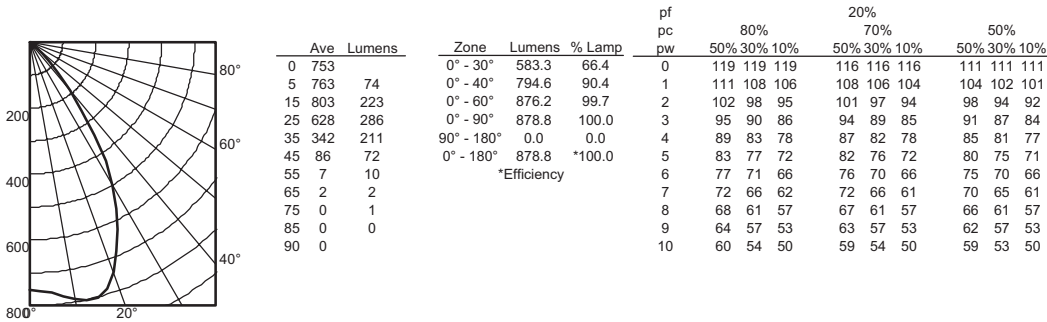
PHOTOMETRICS

| Distribution Curve | Distribution Data | Output Data | Coefficient of Utilization | Illuminance Data at 30" Above Floor for a Single Luminaire |
|--------------------|-------------------|-------------|----------------------------|--|
|--------------------|-------------------|-------------|----------------------------|--|

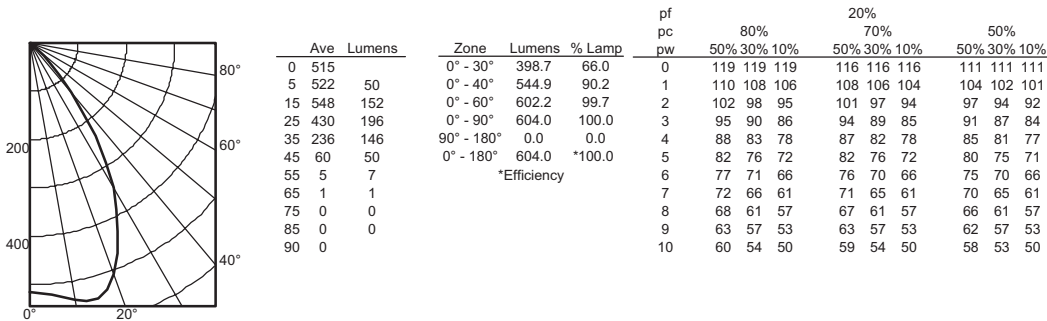
RV6 35/15 R06AR 120, input watts: 21, delivered lumens: 1433, LM/W = 68, test no. LTL25291.



RV6 35/10 R06AR 120, input watts: 14, delivered lumens: 889, LM/W = 64, test no. LTL25276.



RV6 35/06 R06AR 120, input watts: 8, delivered lumens: 604, LM/W = 76, test no. LTL25277.



Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.

RV6 LED

ADDITIONAL DATA

| Color temperature | Lumen multiplier |
|-------------------|------------------|
| 27K | 0.83 |
| 30K | 0.94 |
| 35K | 1.00 (baseline) |
| 40K | 1.03 |

| Trim color | Lumen multiplier |
|-------------|------------------|
| Clear (AR) | 1.01 |
| Pewter (PR) | 0.97 |
| Wheat (WTR) | 0.98 |
| White (WR) | 1.00 |

| ENERGY DATA* | |
|--------------------------------------|-------------|
| Min. starting temp | -18°C (0°F) |
| Min. power factor | 0.80 |
| Input frequency | 50/60 Hz |
| *Values at non-dimming line voltage. | |

| ELECTRICAL DATA* | | |
|---------------------------------------|---------------|--------|
| Lumen package | Input current | |
| | 120V | 277V |
| 600 lm | 0.07 A | 0.04 A |
| 1000 lm | 0.12 A | 0.06 A |
| 1500 lm | 0.18 A | 0.09 A |
| * Values at non-dimming line voltage. | | |

| DIMMER COMPATIBILITY CHART | | | |
|--|---------------------|----------------------|-------------|
| Manufacturer | Model/Series | Part numbers | Comments |
| Sensor Switch | nlight | nSP5 PCD 2W | |
| Lutron | Diva C-L | DVCL-153P | |
| | Diva | DVELV-300P | |
| | Diva | DVELV-600P | |
| | Skylark Contour | CT-603P | |
| | Skylark Contour C-L | CTCL-153P | |
| Leviton | Decora | 6674-P | |
| | Decora | 6633P | |
| | IllumaTech™ | IPX06-70Z (for 277V) | Dims to 40% |
| | TRIMATRON | 6681++ | |
| | TRIMATRON | 6684++ | |
| ++ Must have at least 40W on dimmer circuit. | | | |