

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 in rush 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.

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.

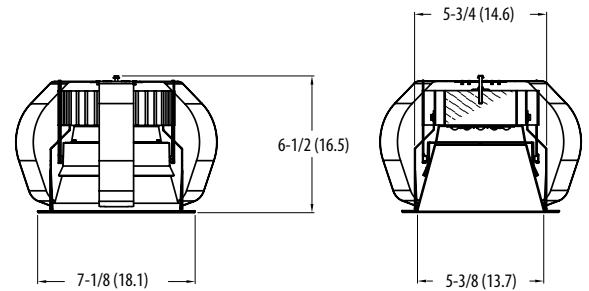
LUMEN EQUIVALENCY CHART*						
	RV6 35/06		RV6 35/10		RV6 35/15	
	120V	277V	120V	277V	120V	277V
Delivered lumens (lm)	615	790	900	1200	1475	1580
Nominal wattage (W)	9	10.5	14	16	22.5	23
Comparable fluorescent	18W CFL		26W CFL		32W CFL	
Comparable incandescent	65W BR30		120W BR40		150W A21	
Comparable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

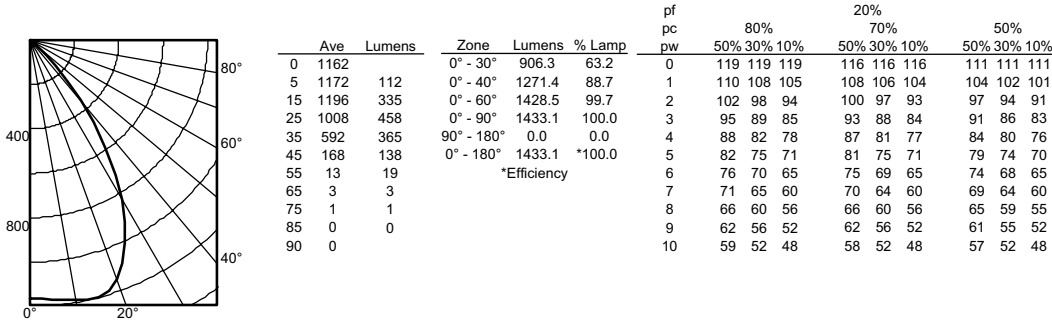
Distribution Data

Output Data

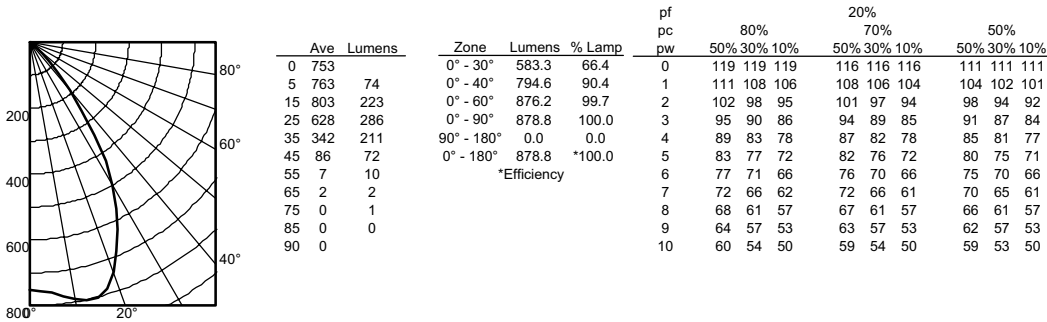
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

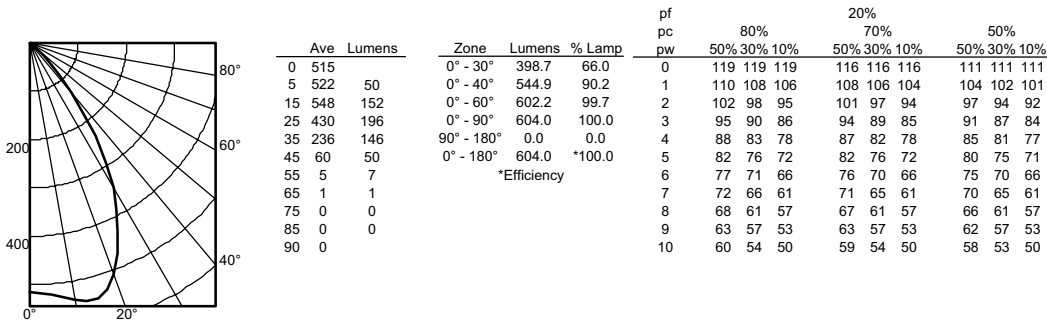
RV6 35/15 R06AR 120, input watts: 21, delivered lumens: 1433, LM/W = 68, test no. LTL25291.



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.			