LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

RV8 LED

FEATURES & SPECIFICATIONS

INTENDED USE — LED downlight for retrofit of installed 8" nominal commercial "pan-style" housings with incandescent, compact fluorescent (CFL), or high intensity discharge (HID) sources. Compatible aperture range is 7-3/4" to 8-7/8". 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 retains and centers the fixture in the existing mounting pan.

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

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

CRI is >83.

ELECTRICAL — Proprietary electrical design allows for excellent line voltage dimming down to 15% light output. The zero in rush design enables maximum loading of incandescent dimmers. This enables customers to add dimming at a low cost without pulling additional wires. For compatible dimmers, see page 2.

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

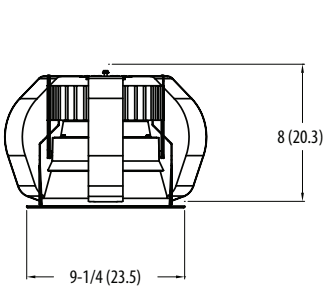
WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

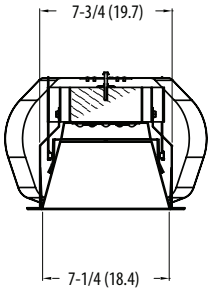
Note: Specifications subject to change without notice.



8" OPEN LED
Retrofit Downlight

WET LOCATION™ LED





Specifications

Aperture: 7-1/4 (18.4)
Overlap trim: 9-1/4 (23.5)
Height: 8 (20.3)
Length: 9 (22.9)
Max. ceiling opening: 8-7/8 (22.5)
Min. ceiling opening: 7-3/4 (19.7)
Max. ceiling thickness: 2 (5.1)

All dimensions are inches (centimeters) unless otherwise indicated.

Lumen Equivalency Chart			
	Delivered Lumen Values		
	2000	2500	3000
Approximate LED Wattage	31W	39W	46W
Comparable Fluorescent	1/42W CFL 2/26W CFL	2/32W CFL	> 2/32W CFL
Comparable HID	N/A	50W ED17	70W ED17
Comparable Incandescent	200W A21		300W BR40
Comparable Halogen PAR	100W		

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

Example: RV8 27/30 RO8AR LS 120

RV8											
Series	**Color temperature**		**Lumens**		**Reflector**	**Trim color**		**Finish**		**Voltage**	**Options**	
RV8	27/	2700K	20	2000 lumens[1]	RO8	AR	Clear	(blank)	Semi-specular	120	TRW	White painted flange
	30/	3000K	25	2500 lumens[1]		PR	Pewter	LD	Matte-diffuse	277	TRBL	Black painted flange
	35/	3500K	30	3000 lumens[1]		WTR	Wheat	LS	Specular			
	40/	4000K				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 347/120 JZ	347V step down transformer mounted in box installed by others

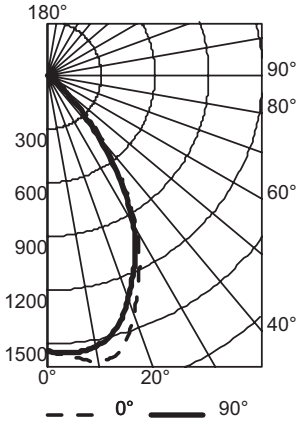
Notes
1 Approximate lumen output.
2 Not available with finishes.

RV8 LED

PHOTOMETRICS

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

RV8 35/20 120 RO8AR, input watts: 26 , delivered lumens: 1768, LM/W=68, test no. LTL23512.



CP Summary

	0°	90
0°	1541	1541
5°	1575	1552
15°	1584	1468
25°	1212	1152
35°	738	692
45°	272	216
55°	46	29
65°	4	3
75°	0	0
85°	0	0
90	0	0

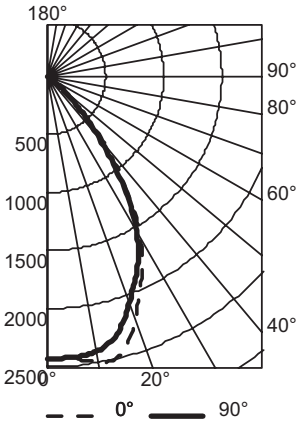
Coefficients of Utilization

	pf			20%					
	pc	80%			70%			50%	
RCR	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
	0	119	119	119	116	116	116	111	111	111
	1	113	110	108	108	106	104	104	102	100
	2	107	102	98	100	96	93	97	94	91
	3	101	94	89	93	88	84	90	86	83
	4	96	88	82	86	81	77	84	80	76
	5	90	81	75	81	75	70	79	74	70
	6	85	76	70	75	69	65	74	68	64
	7	81	71	64	70	64	60	69	63	59
	8	76	66	60	66	60	55	65	59	55
	9	72	62	56	62	56	52	61	55	51
	10	69	59	52	58	52	48	57	52	48

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1103	62.4	62.4
0° - 40°	1537	86.9	86.9
0° - 60°	1764	99.8	99.8
0° - 90°	1768	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1768	100.0	100.0

RV8 35/30 120 RO8AR, input watts: 42 , delivered lumens: 2803, LM/W=68, test no. LTL23505.



CP Summary

	0°	90
0°	2428	2428
5°	2438	2428
15°	2467	2298
25°	1916	1826
35°	1182	1112
45°	421	346
55°	50	41
65°	5	5
75°	2	2
85°	0	1
90	0	0

Coefficients of Utilization

	pf			20%					
	pc	80%			70%			50%	
RCR	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
	0	119	119	119	116	116	116	111	111	111
	1	113	110	108	108	106	104	104	102	100
	2	107	102	98	100	96	93	97	94	91
	3	101	95	89	93	88	84	90	86	83
	4	96	88	82	87	81	77	84	80	76
	5	90	82	75	81	75	70	79	74	70
	6	85	76	70	75	69	65	74	68	64
	7	81	71	64	70	64	60	69	63	60
	8	76	66	60	66	60	55	65	59	55
	9	72	62	56	62	56	52	61	55	51
	10	69	58	52	58	52	48	57	52	48

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1745	62.3	62.3
0° - 40°	2446	87.3	87.3
0° - 60°	2796	99.8	99.8
0° - 90°	2803	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2803	100.0	100.0

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%.
- CRI: 84 typical.

ADDITIONAL DATA

Color temperature	Lumen multiplier
27K	0.94
30K	0.98
35K	1.00 (Baseline)
40K	1.02

ENERGY DATA*	
Min. starting temp	-18°C (0°F)
Min. power factor	0.80
Input frequency	50/60 Hz
Input current	.08A
*Values at non-dimming line voltage.	

Trim finish	Lumen multiplier
Clear semi-specular (AR)	1.00 (baseline)
Clear specular (LS)	1.02
Clear matte diffuse (LD)	0.93
Pewter (PR)	0.88
Wheat (WTR)	0.92
White (WR)	0.96

COMPATIBLE DIMMER SWITCHES		
Manufacturer	**Model/Series**	**Part Numbers**
Lutron	Diva C-L	DVCL-153P
	Skylark Contour	CT-603P
	Skylark Contour C-L	CTCL-153P
Leviton	Decora	6674-P
	Decora	6633P
	TRIMATRON	6681++
	TRIMATRON	6684++
++ Must have at least 40W on dimmer circuit.		

DOWNLIGHTING: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4935 Fax: 770-860-3129 www.lithonia.com

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