



Project	
Notes	
Type	Date
Cat. No.	

DCR™ Series **LED Ringed Ceiling Fixture**

DESCRIPTION

The LED based DCR series is a ceiling or wall mount series which can be used in a broad range of residential and commercial applications. This series provides customers with a high quality luminaire utilizing the latest LED, solid state lighting and electronic driver technology for optimal performance and maximized energy efficiency. With a traditional opal white lens, the DCR series produces even, uniform light distribution and an ideal choice for offices, corridors, stairways, bedroom, closet and foyers applications where customers are replacing incandescent, circline or compact fluorescent lamps.



Specification Features



Construction

Contemporary styled fixture. Twin steel rings surround a milk white acrylic diffuser which provides widespread and even illumination

Qualifications

All luminaires are built to UL 1598 and 2108 standards, and bear appropriate ETL labels. Damp location labeling is standard. Adheres to LM70, LM80, and TM21 industry standards. ENERGY STAR® certified product (for 3000K and 4000K only) and Title 24 qualified. Dedicated 120V Models are FCC Title 47 CFR, Part 15, Class B for residential and commercial applications. California Title 24 Compliant, JA8 compliant, CEC Listed.

Warranty

3-year limited warranty. See complete warranty for terms and exclusions. (Labor not included).

Electrical

Equipped standard with 120V 10-100% dimming driver.

Installation

Designed for mounting on 4" electrical J-Box.

DCR Series

12" Pan
13W, 910 Lumens

14" Pan
17W, 1200 Lumens

16" Pan
26W, 2600 Lumens

Rated Life 50,000 hours
Limited Warranty 3 years
Efficacy Up to 100 LPW
Continuous Dimming



Quick Ship

DCR-12-13-120D-930-NS
DCR-14-17-120D-930-NS

Ordering Information

Example: DCR-12-13-120D-930-NS

DCR	12	13	120D	9	30	NS
Series DCR LED Ringed Ceiling Fixture	Size 12- 12" Pan 14- 14" Pan 16- 16" Pan ¹	Rated Wattage 12" Pan 13- 13W, 910 Lumens ² 14" Pan 17- 17W, 1200 Lumens ² 16" Pan 26- 26W, 2600 Lumens ²	Driver Type 120D-120V Dimming, Dims to 10% MV- 120-277V ¹	CRI 9 90+ CRI	Color Temp 30 3000 K ² 40 4000 K ¹	Finish NS- Nickel Satin ² ORB- Oil Rubbed Bronze ^{1 2}
Options						
Emergency Backup		Controls		Accessories		
N/A		N/A		N/A		

Specifications and Dimensions subject to change without notice.

Performance Summary

Input Voltage	120V
Input Frequency	50/60 Hz
Rated Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	> 100 LPW (typ.)
CRI	90+, R9 > 0
Available CCT ¹	3000K
Color Consistency ²	5-step MacAdam Ellipse
Rated Life	50,000 hours
L70 ⁵	> 72,000 hours or > 45,000
Power Factor	>0.83
THD	< 20%
Dimming	120V Dimming(10-100%)
Operating Temp.	-18°C to 40°C

Performance Data

Lens Type	Form Factor	Catalog No.	Rated Wattage (W)	Delivered Lumens	Efficacy (lm/W)
Opal	12'	DCR-12-13-120D-930	13W	910	70
	14'	DCR-14-17-120D-930	17W	1,200	70.5
	16'	DCR-16-26-120D-930	26W	2,600	100

NOTES:

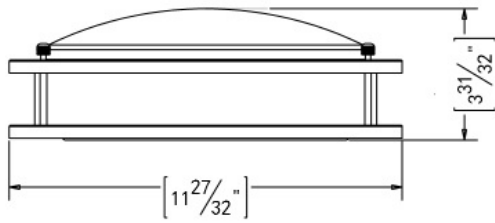
- ¹ Made to order items. Minimum 90 day lead time. Minimum 500 order quantity.
- ² Energy star listed
- ³ Quick ship: 3000K. Other CCTs may require a lead time or be special order
- ⁴ Typical color consistency. May vary or be changed.
- ⁵ L70 hours calculated based on LED package manufacturer LM80 report and ISTMT report of LED in luminaire. Stated values are for select catalog numbers. Contact manufacturer for detailed information
- ⁶ 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 and Dimensions subject to change without notice.

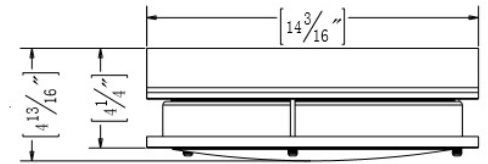
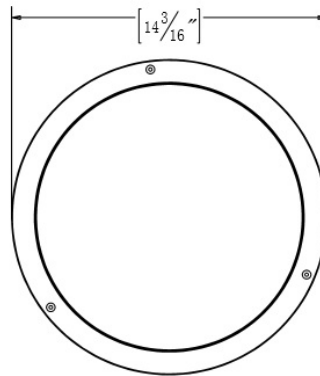


Product Dimensions

DCR-12



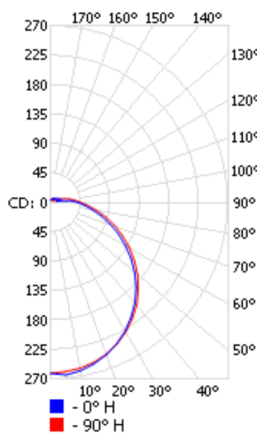
DCR-14



Photometric Data

DCR-12-13-120D-930 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	204.1	21.20%	21.20%
0-40	337.4	35%	35%
0-60	615	63.80%	63.80%
60-90	262.7	27.30%	27.30%
0-90	877.7	91.10%	91.10%

Coefficients of Utilization

RCC %:	80				70				50	
	70	50	30	0	70	50	30	0	50	30
RW %:	70	50	30	0	70	50	30	0	50	30
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	0.91	1.06	1.06
1	1.04	0.99	0.94	0.89	1.01	0.95	0.91	0.72	0.89	0.86
2	0.94	0.85	0.77	0.71	0.9	0.82	0.75	0.59	0.77	0.71
3	0.85	0.74	0.65	0.58	0.82	0.72	0.63	0.5	0.67	0.6
4	0.78	0.65	0.56	0.49	0.75	0.63	0.54	0.42	0.59	0.52
5	0.71	0.58	0.48	0.41	0.69	0.56	0.47	0.36	0.53	0.45
6	0.66	0.52	0.43	0.36	0.63	0.5	0.42	0.32	0.48	0.4
7	0.61	0.47	0.38	0.32	0.59	0.46	0.37	0.28	0.43	0.36
8	0.57	0.43	0.34	0.28	0.55	0.42	0.33	0.25	0.4	0.32
9	0.53	0.39	0.31	0.25	0.51	0.38	0.3	0.23	0.36	0.29
10	0.49	0.36	0.28	0.23	0.48	0.35	0.27	0.21	0.34	0.27

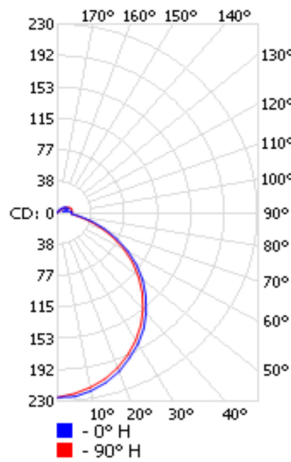
Effective Floor Cavity Reflectance: 20%

Specifications and Dimensions subject to change without notice.

Photometric Data

DCR-14-17-120D-930 Tested in accordance to IESNA LM-79

Polar Candela Curve



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	174.7	22.90%	23%
0-40	287.3	37.70%	37.80%
0-60	516.2	67.80%	67.90%
60-90	178.7	23.50%	23.50%
0-90	694.9	91.30%	91.30%

Coefficients of Utilization

RCC %:	80				70				50	
	70	50	30	0	70	50	30	0	50	30
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	0.91	1.06	1.06
1	1.05	1	0.96	0.91	1.02	0.97	0.93	0.75	0.91	0.88
2	0.95	0.87	0.8	0.73	0.92	0.84	0.77	0.62	0.79	0.74
3	0.87	0.76	0.67	0.61	0.83	0.74	0.66	0.52	0.69	0.63
4	0.79	0.67	0.58	0.51	0.76	0.65	0.57	0.45	0.61	0.54
5	0.73	0.6	0.5	0.44	0.7	0.58	0.49	0.39	0.55	0.47
6	0.67	0.54	0.44	0.38	0.65	0.52	0.44	0.34	0.49	0.42
7	0.62	0.48	0.4	0.33	0.6	0.47	0.39	0.3	0.45	0.37
8	0.58	0.44	0.36	0.3	0.56	0.43	0.35	0.27	0.41	0.34
9	0.54	0.4	0.32	0.27	0.52	0.39	0.32	0.24	0.38	0.31
10	0.51	0.37	0.29	0.24	0.49	0.36	0.29	0.22	0.35	0.28

Effective Floor Cavity Reflectance: 20%



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