ECOSELECT CDR8-5L 8" ROUND DOWNLIGHT

Project:	
Type:	
Catalog #:	

STANDARDS

Intertek · ENERGY STAR · TITLE 24 JA8-2022-E · FC · WET · 1kV Surge Protection

HOUSING

- Premium powder-coat, aluminum, white housing.

ELECTRICAL

- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- 21.65" flexible metal conduit with additional 6" of conductor is standard.
- Input transient surge protection = 1kV.
- Type IC.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

OPTICAL SYSTEM

- Polycarbonate diffuser.
- Field selectable 2700k(soft white), 3000k(warm white), 3500k(warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Tri-Lumen selectable delivers 3,000 to 5,000 nominal lumens*.
- Long-life LEDs provide 149,000 hours of operation with at least 70% of initial lumen output (L70),and 44,000 hours with at least 90% of initial lumen output (L90)**.
- LED color maintenance < -0.0114 chromaticity shift (Δu'v') over the initial 6,000 hours of operation.
- Beam angle 100° for CDR8-5L-LKFS-WHT.
- Beam angle 70° for CDR8-5L-LKFS-SW.
- Color rendering index > 90.

* Factory Default kelvin temperature 4000k and highest lumen output
**L70 & L90 hours are IES TM-21-11 calculated hours.

MOUNTING

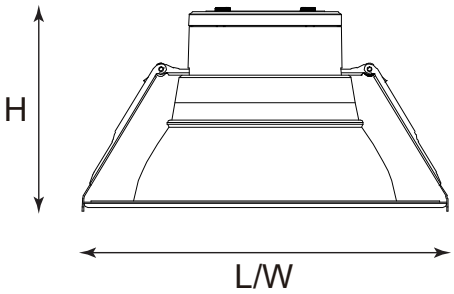
- Recessed in ceiling, new construction or retrofit.
- Access above ceiling required.
- Covered ceiling mount only.
- Compatible with 8.08" ceiling cut-outs and 8" mounting frames.

CODE COMPLIANCE

- cETLus listed for wet locations.
- Energy Star certified.
- Complies with FCC part 15, class B.
- Complies with Title 24.

WARRANTY

- 5 year warranty on all electronics and housing.



Model #	L (in)	W (in)	H (in)	Weight (lbs)	Cut Out (in)
ECOSELECTCDR8	10.04	10.04	5.41	1.46	8.08
ECOSELECTCDR8	10.04	10.04	5.41	1.77	8.08

ORDERING INFORMATION

Example: CDR8-5L-LKFS-SW

Series	Nominal Lumen Output (Selectable)	Kelvin (Selectable)	Baffle Type
ECOSELECTCDR8	5L 5000/ 4000/ 3000lm	LKFS 2700 / 3000/ 3500/ 4000/ 5000K	WHT Baffled White SW Specular White

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Specifications and dimensions subject to change without notice.

ACCESSORIES (ORDER SEPARATELY)

Mounting Option

ECOBL8CLED-ND = Mounting Frame for use with CDR8-5L-LKFS-WHT and CDR8-5L-LKFS-SW.
ECOMP-UD46810-NC = Mounting plate for 4", 6", 8" and 10" can-less recessed down lights.

Remote Mount EM Drivers

ECOBLEM-INDRV-HV40W = 40W Emergency Driver

LUMEN TABLES

Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
ECOSELECT CDR8-5L-LKFS-WHT	Lumens	2904	2979	3188	3321	3362	3649	3811	4048	4209	4291	4108	4368	4638	4759	4712
	Watts	32.38	32.13	31.62	61.77	32.86	42.54	42.14	41.30	41.52	43.17	49.25	48.76	47.66	47.97	50.03
	Efficacy	89.68	92.73	100.83	104.52	102.32	85.77	90.44	98.02	101.37	99.39	83.42	89.59	97.32	99.22	94.18

Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
ECOSELECT CDR8-5L-LKFS-SW	Lumens	2829	2881	2933	2955	2981	3617	3679	3698	3837	3754	4064	4260	4555	4723	4629
	Watts	31.60	31.30	30.70	30.80	31.60	41.60	41.20	40.30	40.40	41.70	48.30	47.80	46.70	46.80	48.70
	Efficacy	89.54	92.03	95.55	95.93	94.32	86.96	89.29	91.76	94.98	90.03	84.15	89.13	97.54	100.93	95.05

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
ECOSELECT CDR8-5L-LKFS-WHT	2700K	0.27	0.13	0.12	0.35	0.18	0.15	0.41	0.21	0.18
	3000K	0.27	0.13	0.12	0.35	0.18	0.15	0.41	0.20	0.18
	3500K	0.26	0.13	0.11	0.34	0.17	0.15	0.40	0.20	0.17
	4000K	0.26	0.13	0.11	0.35	0.17	0.15	0.40	0.20	0.17
	5000K	0.27	0.14	0.12	0.36	0.18	0.16	0.42	0.21	0.18

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
ECOSELECT CDR8-5L-LKFS-SW	2700K	0.26	0.13	0.11	0.35	0.17	0.15	0.40	0.20	0.17
	3000K	0.26	0.13	0.11	0.34	0.17	0.15	0.40	0.20	0.17
	3500K	0.26	0.13	0.11	0.34	0.17	0.15	0.39	0.19	0.17
	4000K	0.26	0.13	0.11	0.34	0.17	0.15	0.39	0.20	0.17
	5000K	0.26	0.13	0.11	0.35	0.17	0.15	0.41	0.20	0.18

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PHOTOMETRICS

ECOSELECTCDR8-5L-LKFS-WHT

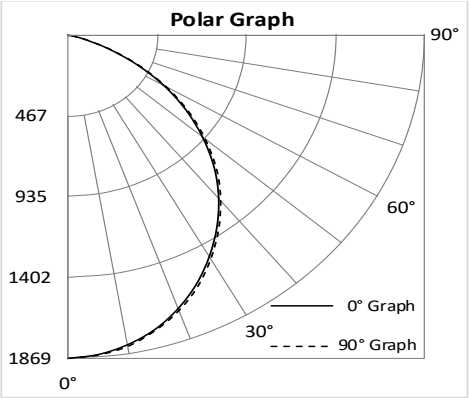
Luminaire Data

Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	4,369
Input Wattage	51
Efficacy (lm/W)	85
Spacing Criterion (0-180°)	1.2
Spacing Criterion (90-270°)	1.2

Photometrics calculated at 2700k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	675	15.5%
0-30°	1,413	32.3%
0-40°	2,273	52.0%
20-50°	2,447	56.0%
40-70°	1,951	44.7%
0-60°	3,813	87.3%
0-80°	4,350	99.6%
0-90°	4,369	100.0%
90-180°	0	0.0%
0-180°	4,369	100.0%



ECOSELECTCDR8-5L-LKFS-SW

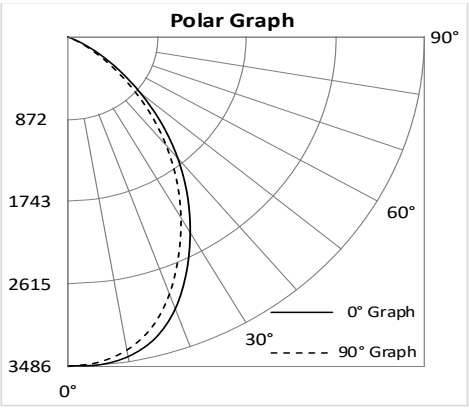
Luminaire Data

Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	4,906
Input Wattage	50
Efficacy (lm/W)	98
Spacing Criterion (0-180°)	1.08
Spacing Criterion (90-270°)	1.02

Photometrics calculated at 2700k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	1,213	24.7%
0-30°	2,379	48.5%
0-40°	3,517	71.7%
20-50°	3,152	64.3%
40-70°	1,380	28.1%
0-60°	4,793	97.7%
0-80°	4,904	100.0%
0-90°	4,906	100.0%
90-180°	0	0.0%
0-180°	4,906	100.0%



COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number			
Lutron	RMJS-8T-DV-B	Diva DVSTV	MS-Z101-WH	DVSTV-WH
Legrand	RH4FBL3PW	-	-	-

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