Job Name:

Type:

Part #:

Notes:

HCDR6-2L

6" Architectural Round Downlight
Lumen & Kelvin Selectable

HOUSING: Premium powder-coat, aluminum, white housing.

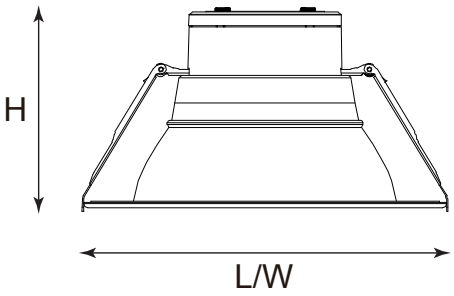
ELECTRICAL`

. Universal 120-277V AC voltage (50-60Hz) standard.
• 0-10VDC dimming drivers are standard.
• 21.65” flexible metal conduit with additional 6” of conductor 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 1,000 to 2,000 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 < -0.0039 chromaticity shift (Δu’v’) over the initial 6,000 hours of operation.
• Beam angle 90° for HCDR6-2L-LKFS-WHT.
• Beam angle 65° for HCDR6-2L-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.*



Model #	L (in)	W (in)	H (in)	Weight (lbs)	Cut Out (in)
HCDR6-2L-LKFS-WHT	8.43	8.43	4.16	1.37	6.30
HCDR6-2L-LKFS-SW	8.27	8.27	4.36	1.05	6.30

MOUNTING:

• Recessed in ceiling, new construction or retrofit.
• Access above ceiling required.
• Covered ceiling mount only.
• Compatible with 6.30” ceiling cut-outs and 6” mounting frames.

CODE COMPLIANCE:

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

WARRANTY: 5 year warranty on all electronics and housing.

ORDERING INFORMATION

Example: HCDR6-2L-LKFS-SW

Series	Nominal Lumen Output (Selectable)	Kelvin (Selectable)	Baffle ype
HCDR6	2L 2000/ 1500/ 1000lm	LKFS 2700 / 3000/ 3500/ 4000/ 5000K	WHT Baffled Whit SW Specular White

2026.09

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Job Name:

Type:

Part #:

Notes:

ACCESSORIES (ORDER SEPARATEL..

Mounting Options

BL6CLED-ND : Mounting Frame for use with HCDR6-2L-LKFS-WHT and HCDR6-2L-LKFS-SW.

MP-UD46810-NC : Mounting plate for 4”, 6”, 8” and 10” canless recessed downlights.

CDR6-TR-BK : Trim Ring, 6", for use exclusively with HCDR6-2L-LKFS, Black, Baffle Reflector

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
HCDR6-2L-LKFS-WHT	Lumens	1182	1196	1250	1201	1212	1536	1605	1682	1743	1741	1848	1937	2084	2092	2097
	Watts	11.95	11.80	11.60	11.62	11.88	16.54	16.29	15.98	16.01	16.43	20.66	20.38	19.92	19.95	20.54
	Efficacy	98.94	101.36	107.73	103.33	102.01	92.89	98.53	105.26	108.88	105.96	89.43	95.04	104.60	104.86	102.07
Series	**Measurements**	**Low Lumens**					**Mid Lumens**					**High Lumens**				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
HCDR6-2L-LKFS-SW	Lumens	962	991	1022	1039	1057	1325	1372	1420	1448	1460	1738	1811	1880	1921	1936
	Watts	10.20	10.10	9.97	10.00	10.10	14.00	13.80	13.60	13.60	13.90	18.80	15.50	18.20	18.20	18.70
	Efficacy	94.33	98.07	102.50	103.90	104.69	94.64	99.41	104.39	106.47	105.01	92.45	116.86	103.28	105.53	103.51

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HCDR6-2L-LKFS-WHT	2700K	0.10	0.05	0.04	0.14	0.07	0.09	0.17	0.09	0.07
	3000K	0.10	0.05	0.04	0.14	0.07	0.09	0.17	0.08	0.07
	3500K	0.10	0.05	0.04	0.13	0.07	0.09	0.17	0.08	0.07
	4000K	0.10	0.05	0.04	0.13	0.07	0.09	0.17	0.08	0.07
	5000K	0.10	0.05	0.04	0.14	0.07	0.09	0.17	0.09	0.07
Series	**CCT**	**Input Amps (A)**								
		Low Lumens			**Mid Lumens**			**High Lumens**		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HCDR6-2L-LKFS-SW	2700K	0.09	0.04	0.04	0.12	0.06	0.05	0.16	0.08	0.07
	3000K	0.08	0.04	0.04	0.12	0.06	0.05	0.13	0.08	0.06
	3500K	0.08	0.04	0.04	0.11	0.06	0.05	0.15	0.08	0.07
	4000K	0.08	0.04	0.04	0.11	0.06	0.05	0.15	0.08	0.07
	5000K	0.08	0.04	0.04	0.12	0.06	0.05	0.16	0.08	0.07

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Job Name:

Type:

Part #:

Notes:

PHOTOMETRICS

HCDR6-2L-LKFS-WHT

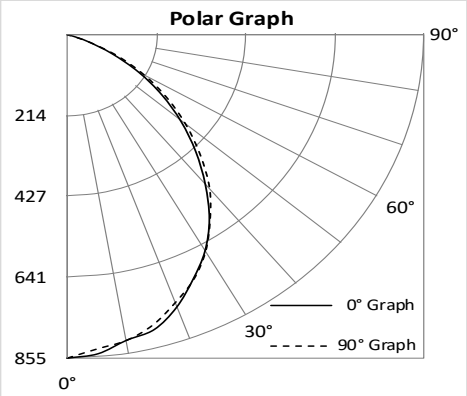
Luminaire Data

Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	1,790
Input Wattage	21
Efficacy (lm/W)	85
Spacing Criterion (0-180°)	1.16
Spacing Criterion (90-270°)	1.16

Photometrics calculated at 2700k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	307	17.1%
0-30°	639	35.7%
0-40°	1,015	56.7%
20-50°	1,059	59.2%
40-70°	754	42.1%
0-60°	1,632	91.2%
0-80°	1,790	100.0%
0-90°	1,790	100.0%
90-180°	0	0.0%
0-180°	1,790	100.0%



HCDR6-2L-LKFS-SW

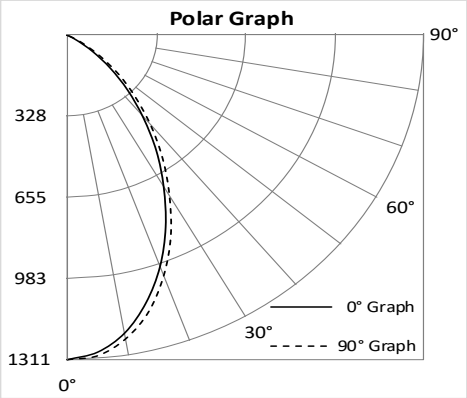
Luminaire Data

Description	Commercial Downlight Lumen/Kelvin Selectable
Total Lumens	1,595
Input Wattage	18
Efficacy (lm/W)	87
Spacing Criterion (0-180°)	0.92
Spacing Criterion (90-270°)	0.96

Photometrics calculated at 2700k - high lumens setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	437	27.4%
0-30°	835	52.4%
0-40°	1,199	75.2%
20-50°	1,017	63.8%
40-70°	392	24.6%
0-60°	1,572	98.6%
0-80°	1,593	99.9%
0-90°	1,593	99.9%
90-180°	2	0.1%
0-180°	1,595	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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