

LCR

LED COMMERCIAL RETROFIT DOWNLIGHT

6", 8" & 10" commercial LED downlight

The commercial LCR downlight series is the best solution for an easy conversion of existing downlights to energy efficient LED technology. The LCR series will enhance the space and provides a crisp light output while retaining a minimalist architectural look. A quick and simple retrofit solution for replacing existing CFL, HID, or incandescent luminaires without removing the existing frame.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- White trim finish
- Smooth recessed baffle available in silver finish
- Available in round 6", 8" and 10"
- Clear lens with 52° beam angle

Mounting

- Easy installation by bypassing the existing ballast
- Three mounting clips provided
- Insert the luminaire's housing into existing frame
- Junction box not provided

• Performance data

- 120 V
- 0-10V dimming
- Color temperature 3 500 and 4 000 K
- 80+ CRI
- Estimated lifespan of 54 000 hours to L70
- Operating temperature: -20 °C to 40 °C (-4 °F to 104 °F)
- Suitable for damp location

• Compliances

- cULus for damp locations
- Energy Star
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications



OVERVIEW

Light source	LED
Watts (W)	18 - 54
Lumen output (lm)	1 611 - 4 884
Efficacy (lm/W)	87 - 93
Color temperature (K)	3 500, 4 000
CRI	80
Weight (lbs)	4.41, 5.51, 6.39



quick
ship



LED
fixture



dimnable
fixture



damp
location



ICES
005



QUICK SHIP AND TECHNICAL SPECIFICATION TABLE  1

Order code	Model number	Watts (W)	Volts (V AC)	Color temp. (K) ²	Lumen output (lm) ³	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Beam angle (°)	Finish	Power factor	THD (%)	Traditional equivalent (W)		Case qty (master)
													CFL	HIP	
6"															
64972	LCR/DL6/18W/35K/2/DD1/STD	18	120-277	3 500	1 611	90	80	54 000	52	Silver	>0.9	>20	36	-	1
64973	LCR/DL6/18W/40K/2/DD1/STD	18	120-277	4 000	1 624	90	80	54 000	52	Silver	>0.9	>20	36	-	1
64974	LCR/DL6/27W/35K/2/DD1/STD	27	120-277	3 500	2 348	87	80	54 000	52	Silver	>0.9	>20	57	-	1
64975	LCR/DL6/27W/40K/2/DD1/STD	27	120-277	4 000	2 366	88	80	54 000	52	Silver	>0.9	>20	57	-	1
8"															
64976	LCR/DL8/18W/35K/2/DD1/STD	18	120-277	3 500	1 653	92	80	54 000	52	Silver	>0.9	>20	36	-	1
64977	LCR/DL8/18W/40K/2/DD1/STD	18	120-277	4 000	1 678	93	80	54 000	52	Silver	>0.9	>20	36	-	1
64978	LCR/DL8/27W/35K/2/DD1/STD	27	120-277	3 500	2 433	89	80	54 000	52	Silver	>0.9	>20	57	-	1
64979	LCR/DL8/27W/40K/2/DD1/STD	27	120-277	4 000	2 471	92	80	54 000	52	Silver	>0.9	>20	57	-	1
64980	LCR/DL8/40W/40K/2/DD1/STD	40	120-277	4 000	3 587	90	80	54 000	52	Silver	>0.9	>20	-	100	1
10"															
64981	LCR/DL10/54W/40K/2/DD1/STD	54	120-277	4 000	4 884	87	80	54 000	52	Silver	>0.9	>20	-	150	1

¹ **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5 %.

³ Lumen values are derived from Energy Star reported data. Initial lumens range: +/- 10 %.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ACCESSORIES (order separately)

Order code	Model number	Type	Opening diameter (in)	Case qty (master)
66817	ACC/MPLATE/VELOCE6/HANG.BARS/STD	Mounting plate with hanger bar	6	8
66818	ACC/MPLATE/VELOCE8/HANG.BARS/STD	Mounting plate with hanger bar	8	8

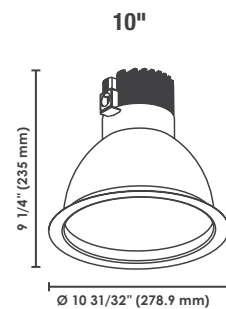
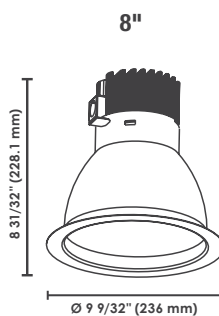
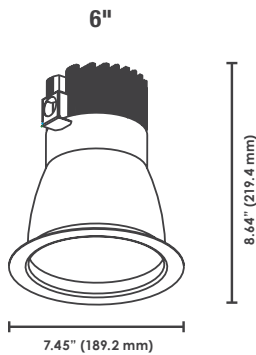
COMPATIBLE DIMMERS

Brand	Model number
Leviton	IPL710-DL
Lutron	NFTV, NTFTV
Philips	61989 Transceiver

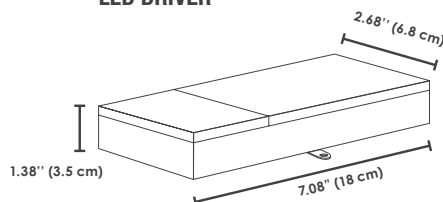
HOUSING COMPATIBILITY

Model	Minimum housing dimensions (in.)	Maximum housing dimensions (in.)
6"	6	6 11/16
8"	7 25/32	8 7/8
10"	10	10 23/32

DIMENSIONS



LED DRIVER

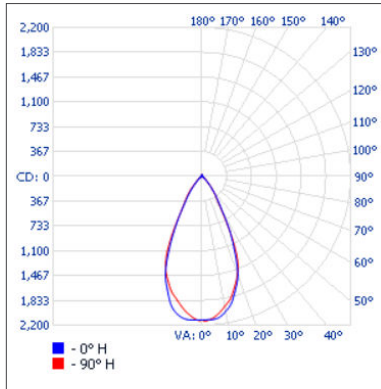


Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

PHOTOMETRIC DATA¹

64972 • LCR/DL6/18W/35K/2/DD1/STD • 1 608.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 199.4	74.5%
0-40	1 443.7	89.7%
0-60	1 570.4	97.6%
60-90	13.5	0.8%
70-100	4.1	0.3%
90-120	1.4	0.1%
0-90	1 584.0	98.4%
90-180	25.0	1.6%
0-180	1 608.9	100%

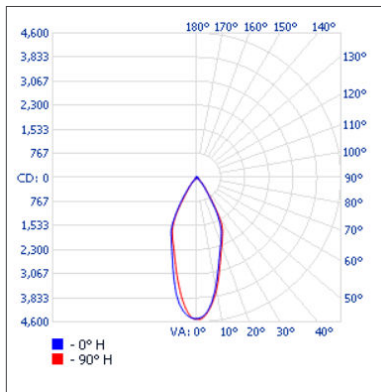
Illuminance at a distance

	Center beam fc	Beam width
17'	7.34 fc	15.9' 16.3'
34'	1.84 fc	31.7' 32.6'
51'	0.82 fc	47.6' 49.0'
68'	0.46 fc	63.5' 65.3'
85'	0.29 fc	79.3' 81.6'
102'	0.20 fc	95.2' 97.9'

■ Vert. spread: 50.0°
■ Horiz. spread: 51.3°

64979 • LCR/DL8/27W/40K/2/DD1/STD • 2 638.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 007.9	76.1%
0-40	2 427.4	92%
0-60	2 578.4	97.7%
60-90	18.9	0.7%
70-100	6.9	0.3%
90-120	2.1	0.1%
0-90	2 597.3	98.4%
90-180	41.2	1.6%
0-180	2 638.5	100%

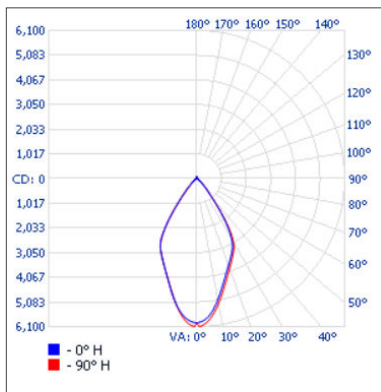
Illuminance at a distance

	Center beam fc	Beam width
17'	15.6 fc	12.7' 12.5'
34'	3.89 fc	25.4' 25.0'
51'	1.73 fc	38.1' 37.5'
68'	0.97 fc	50.8' 50.0'
85'	0.62 fc	63.5' 62.6'
102'	0.43 fc	76.3' 75.1'

■ Vert. spread: 41.0°
■ Horiz. spread: 40.4°

64981 • LCR/DL10/54W/40K/2/DD1/STD • 5 129.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 318.6	64.7%
0-40	4 458.8	86.9%
0-60	4 944.7	96.4%
60-90	106.7	2.1%
70-100	40.3	0.8%
90-120	6.4	0.1%
0-90	5 051.4	98.5%
90-180	78.4	1.5%
0-180	5 129.8	100%

Illuminance at a distance

	Center beam fc	Beam width
17'	20.6 fc	19.0' 19.4'
34'	5.15 fc	37.9' 38.9'
51'	2.29 fc	56.9' 58.3'
68'	1.29 fc	75.8' 77.7'
85'	0.82 fc	94.8' 97.1'
102'	0.57 fc	113.8' 116.6'

■ Vert. spread: 58.3°
■ Horiz. spread: 59.5°

¹ Complete IES files available on our website.

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