



# Retrofit Commercial LED Downlights

**STANDARD<sup>®</sup>**



# LCR Series

Save energy. Modernize your space.

Increase your energy savings with our architectural LED Retrofit Solution.

The LCR series is your best solution for an easy conversion of existing downlights to energy efficient LED. In less than 5 minutes, easily replace existing CFL, HID or incandescent fixtures in 6", 8" or 10" sizes without removing the existing frame. Perfect for applications such as office, retail, hospitality or institutional applications.

- Quick and easy retrofit installation
- Energy efficient 90-94 lumens / watt
- Lifetime of 50 000 hours
- Beam angle: 52°
- CRI >80
- Dimmable 0-10 V
- Dust tight IP40





**Before**

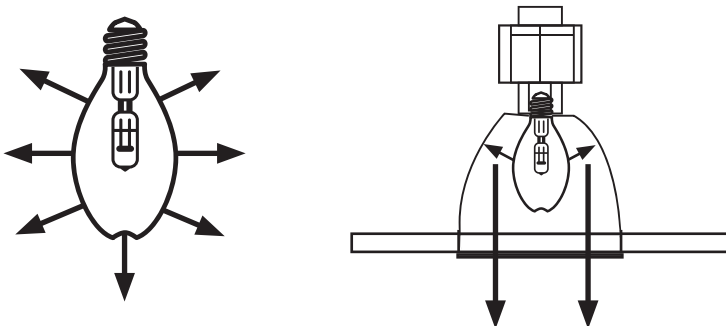


**After**

## An Architectural Grade Retrofit Solution

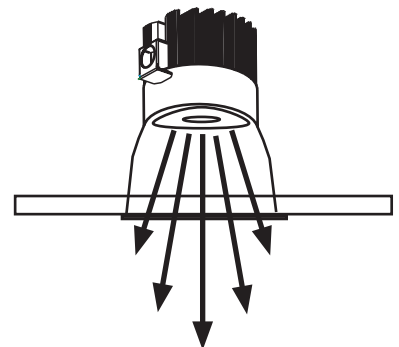
Use the LCR series to enhance your space with a crisp light output, while retaining a minimalist architectural look. The LCR series efficient design provides a wide beam angle for uniform cross-over light distribution from luminaire to luminaire. The module's LED directional light also reduces light loss inside the reflective can, versus traditional luminaires such as HID, allowing for a more efficient use of energy and retaining a recessed glare free light

**HID Fixture**



**VS**

**LCR Series**



Invisible from a 45° or greater angle, the recessed light source is designed to maximize performance and beam placement. Architects, Designers and Property Management teams will appreciate the subtlety of a ceiling landscape that does not have to be an accent point.



# Quick Conversion

Easy as 1-2-3

Save time and retrofit the existing luminaires to modernize your space in **3 steps**:

- ① Remove existing lamp and reflector from socket and disconnect the existing power connection.
- ② Connect the conduit of the driver box in the junction box.
- ③ Link the conduit to the luminaire by simply using the quick connector and insert the luminaire in the existing frame.



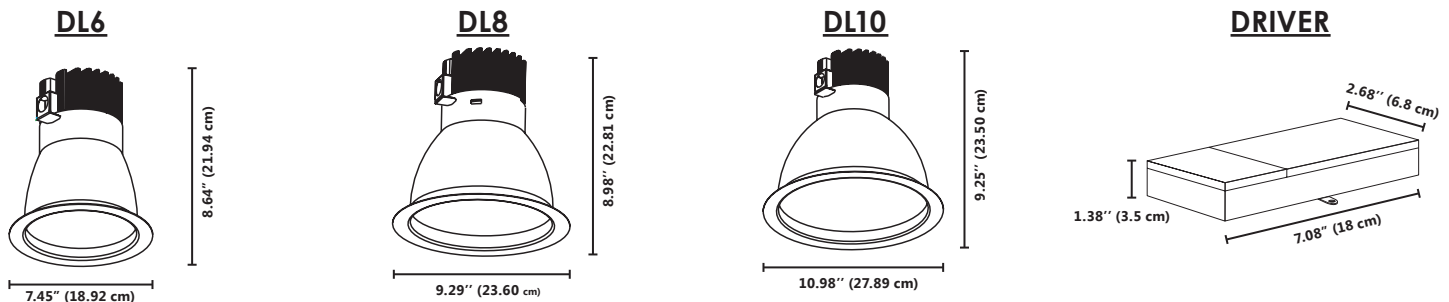
## Housing Compatibility

Model	Minimum Housing Dimensions	Maximum Housing Dimensions
LCR/DL6	6"	6.7"
LCR/DL8	7.7"	8.4"
LCR/DL10	10"	10.7"







## Energy saving case studies

Current system	Consumed KWh/year per fixture	Retrofit suggested solution	Consumed KWh/year per fixture	Annual Energy Saving: per fixture	Energy saving: percentage	Energy Saving : Example of 150 units
CFL - PL36	98.84	18 W LED	49.42	\$ 5.43	50%	\$ 814.50
CFL - PL57	159.24	27 W LED	74.13	\$ 9.36	53%	\$ 1 404.00
HID - MH100	343.20	40 W LED	109.42	\$ 25.67	68%	\$ 3 850.50
HID - MH150	521.66	54 W LED	148.26	\$ 41.07	71%	\$ 6 160.50

The above results are based on 52.8 operating hours by week (5 days of 8 hours and 10% of lighting maintained during off hours). Calculated at 0.11\$/KWh (case study based on 1 year).



Order code	Description	Traditional equivalent	Watts (W)	Colour temperature (K)	Delivered Lumens (Lm)	Initial lumens per watt (lm/W)	Volts (V)	Case qty
<b>DL6</b>								
64972	LCR/DL6/18W/35K/2/DD1/STD	36 W CFL	18	3 500	1 611	92	120-277	1
64973	LCR/DL6/18W/40K/2/DD1/STD	36 W CFL	18	4 000	1 624	92	120-277	1
64974	LCR/DL6/27W/35K/2/DD1/STD	57 W CFL	27	3 500	2 348	90	120-277	1
64975	LCR/DL6/27W/40K/2/DD1/STD	57 W CFL	27	4 000	2 366	90	120-277	1
<b>DL8</b>								
64976	LCR/DL8/18W/35K/2/DD1/STD	36 W CFL	18	3 500	1 653	93	120-277	1
64977	LCR/DL8/18W/40K/2/DD1/STD	36 W CFL	18	4 000	1 678	94	120-277	1
64978	LCR/DL8/27W/35K/2/DD1/STD	57 W CFL	27	3 500	2 408	92	120-277	1
64979	LCR/DL8/27W/40K/2/DD1/STD	57 W CFL	27	4 000	2 471	94	120-277	1
64980	LCR/DL8/40W/40K/2/DD1/STD	100 W HID	40	4 000	3 587	91	120-277	1
<b>DL10</b>								
64981	LCR/DL10/54W/40K/2/DD1/STD	150 W HID	54	4 000	4 884	92	120-277	1

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