

# 6" Commercial Downlight Retrofit



ProLED® Commercial Downlight Retrofits are a long life and energy efficient replacement for traditional lamps. The 6" LED Commercial Downlight Retrofit features an integrated junction box for quick and easy installation into existing housings or directly mount to drywall or ceiling tiles. It is dimmable, easy to install and delivers a maintenance-free experience with a 50,000-hour useful rated life. With its superior LED technology and performance, the ProLED Commercial Downlight Retrofits deliver consistent color, uniform illumination, and long life for your lighting design. Applications include: office, hallway, bathroom, lobby, hospitality, conference room. ProLED Commercial Downlight Retrofits are backed by a 5-year limited warranty.

## Performance Specifications

<b>CRI</b> _____	90	<b>Min. Start Temp.</b> _____	-25°C (-13°F)
<b>Rated Life</b> _____	50,000 hours	<b>Max. Operating Temp.</b> _____	45°C (114°F)
<b>Watt</b> _____	15W	<b>Power Factor</b> _____	>0.90%
<b>Lumens</b> _____	1000 lm	<b>Warranty</b> _____	5-Year Limited
<b>Lumens per Watt (LPW)</b> _____	66.6	<b>Control</b> _____	Dimmable to 10% (120V)
<b>Input Line Voltage</b> _____	120-277V	<b>Weight</b> _____	1.5 lb
<b>Input Line Frequency</b> _____	60 Hz		

## Energy Savings

Traditional Incandescent	Replacement LED	Energy Savings
120W	15W	87%

## Construction

- 50,000 hour life results in lower maintenance costs over time
- Cast aluminum housing and trim
- Frosted lens for smooth, even and comfortable light distribution
- ETL approved for damp locations
- RoHS Compliant
- Dimmable to 10% (120V)
- Interior standard junction box

## Installation

- Downlight comes affixed with a standard junction box
- J-Box can be wired directly to the power source or fed to downlight J-box with supplied 24" flexible conduit
- Acceptable for use in IC and Non-IC housings
- Comes with 24" flexible metal conduit
- Strong spring clips secure housing to commercial downlight housings, drywall and ceiling tiles

## Electrical

- 120-277V Input
- 60 Hz Input frequency
- Dimmable to 10% (120V)
- Power Factor >0.90%

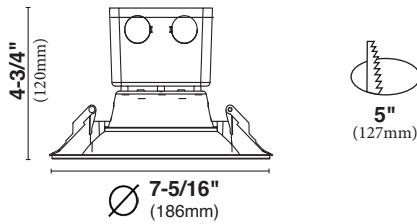
## Ordering Information



Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
15W	99614	CDL6FR15/927/RTJB/LED	120	2700K	90	1000	50,000	Yes	6"	120W
15W	99615	CDL6FR15/930/RTJB/LED	120	3000K	90	1000	50,000	Yes	6"	120W
15W	99616	CDL6FR15/940/RTJB/LED	120	4000K	90	1000	50,000	Yes	6"	120W
15W	99617	CDL6FR15/950/RTJB/LED	120	5000K	90	1000	50,000	Yes	6"	120W

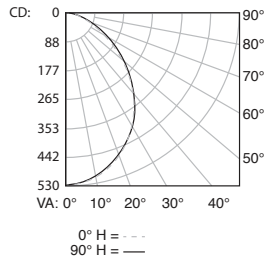
\* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.

## Dimensions



## Photometrics

99614, CDL6FR15/927/RTJB/LED



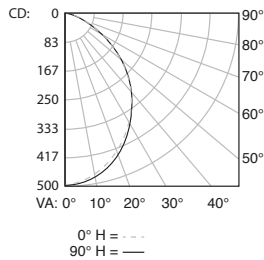
### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	49.5	4.3%	90-100	0.000	0%
10-20	138.1	12.1%	100-110	0.004	0%
20-30	200.2	17.5%	110-120	0.1	0%
30-40	227.1	19.9%	120-130	0.1	0%
40-50	215.7	18.9%	130-140	0.3	0%
50-60	170.3	14.9%	140-150	0.6	0%
60-70	98.9	8.6%	150-160	0.8	0.1%
70-80	36.1	3.2%	160-170	0.7	0.1%
80-90	5.2	0.5%	170-180	0.3	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	387.7	33.9%	33.9%
0-40	614.8	53.7%	53.7%
0-60	1,000.9	87.5%	87.5%
60-90	140.2	12.3%	12.3%
70-100	41.4	3.6%	3.6%
90-120	0.1	0%	0%
0-90	1,141.2	99.7%	99.7%
90-180	3.0	0.3%	0.3%
0-180	1,144.1	100%	100%

99615, CDL6FR15/930/RTJB/LED



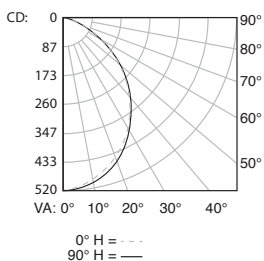
### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	58.6	5.7%	90-100	0.000	0%
10-20	157.9	15.4%	100-110	0.000	0%
20-30	215.0	21.0%	110-120	0.000	0%
30-40	225.3	22.0%	120-130	0.000	0%
40-50	183.9	17.9%	130-140	0.000	0%
50-60	112.5	11.0%	140-150	0.000	0%
60-70	48.8	4.8%	150-160	0.000	0%
70-80	18.2	1.8%	160-170	0.000	0%
80-90	5.4	0.5%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	431.6	42.1%	42.1%
0-40	656.9	64.1%	64%
0-60	953.2	93%	92.9%
60-90	72.4	7.1%	7.1%
0-90	1,025.6	100%	100%

99616, CDL6FR15/940/RTJB/LED



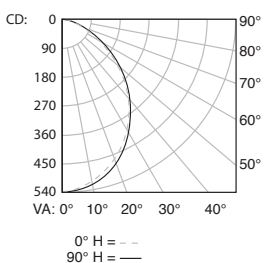
### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	61.1	5.7%	90-100	0.000	0%
10-20	164.7	15.4%	100-110	0.000	0%
20-30	224.2	21.0%	110-120	0.000	0%
30-40	235.0	22.0%	120-130	0.000	0%
40-50	191.8	17.9%	130-140	0.000	0%
50-60	117.3	11.0%	140-150	0.000	0%
60-70	50.9	4.8%	150-160	0.000	0%
70-80	19.0	1.8%	160-170	0.000	0%
80-90	5.6	0.5%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	450.1	42.1%	42.1%
0-40	685.1	64.1%	64%
0-60	994.2	93%	92.9%
60-90	75.5	7.1%	7.1%
0-90	1,069.8	100%	100%

99617, CDL6FR15/950/RTJB/LED



### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	63.7	5.7%	90-100	0.000	0%
10-20	171.7	15.4%	100-110	0.000	0%
20-30	233.7	21.0%	110-120	0.000	0%
30-40	244.9	22.0%	120-130	0.000	0%
40-50	199.9	17.9%	130-140	0.000	0%
50-60	122.2	11.0%	140-150	0.000	0%
60-70	53.1	4.8%	150-160	0.000	0%
70-80	19.8	1.8%	160-170	0.000	0%
80-90	5.8	0.5%	170-180	0.000	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	469.1	42.1%	42.1%
0-40	713.9	64.1%	64%
0-60	1,036.1	93%	92.9%
60-90	78.7	7.1%	7.1%
0-90	1,114.8	100%	100%