

# 4" Commercial Downlight Retrofit



ProLED® Commercial Downlight Retrofits are a long life and energy efficient replacement for traditional lamps. The 4" 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

**CRI** \_\_\_\_\_ 90  
**Rated Life** \_\_\_\_\_ 50,000 hours  
**Watt** \_\_\_\_\_ 10W  
**Lumens** \_\_\_\_\_ 700 lm  
**Lumens per Watt (LPW)** \_\_\_\_\_ 70  
**Input Line Voltage** \_\_\_\_\_ 120V-277V  
**Input Line Frequency** \_\_\_\_\_ 60 Hz

**Min. Start Temp.** \_\_\_\_\_ -25°C (-13°F)  
**Max. Operating Temp.** \_\_\_\_\_ 45°C (114°F)  
**Power Factor** \_\_\_\_\_ >0.90%  
**Warranty** \_\_\_\_\_ 5-Year Limited  
**Control** \_\_\_\_\_ Dimmable to 10% (120V)  
**Weight** \_\_\_\_\_ 1.1 lb

## Energy Savings

Traditional Incandescent	Replacement LED	Energy Savings
65W	10W	84%

## 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

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

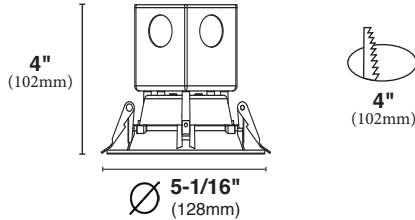
## Ordering Information



Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
10W	99610	CDL4FR10/927/RTJB/LED	120	2700K	90	700	50,000	Yes	4"	65W
10W	99611	CDL4FR10/930/RTJB/LED	120	3000K	90	700	50,000	Yes	4"	65W
10W	99612	CDL4FR10/940/RTJB/LED	120	4000K	90	700	50,000	Yes	4"	65W
10W	99613	CDL4FR10/950/RTJB/LED	120	5000K	90	700	50,000	Yes	4"	65W

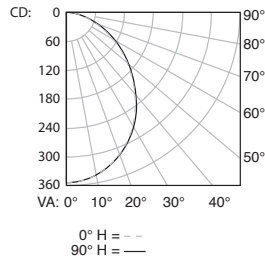
\* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.

## Dimensions



## Photometrics

99610, CDL4FR10/927/RTJB/LED



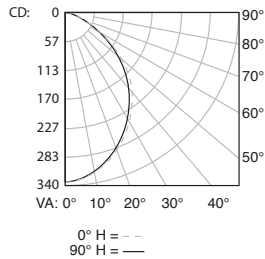
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	33.4	4.1%	90-100	0.2	0%
10-20	93.6	11.5%	100-110	0.1	0%
20-30	136.5	16.8%	110-120	0.1	0%
30-40	156.0	19.2%	120-130	0.1	0%
40-50	150.6	18.5%	130-140	0.2	0%
50-60	121.9	15.0%	140-150	0.2	0%
60-70	77.8	9.6%	150-160	0.3	0%
70-80	34.8	4.3%	160-170	0.3	0%
80-90	6.7	0.8%	170-180	0.1	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	263.4	32.3%	32.4%
0-40	419.4	51.5%	51.6%
0-60	691.9	85%	85.1%
60-90	119.4	14.7%	14.7%
70-100	41.7	5.1%	5.1%
90-120	0.4	0.1%	0.1%
0-90	811.3	99.6%	99.8%
90-180	1.7	0.2%	0.2%
0-180	813.0	99.8%	100%

99611, CDL4FR10/930/RTJB/LED



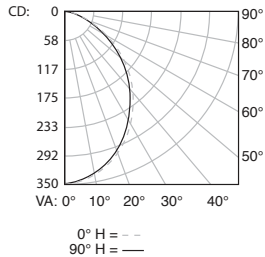
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	37.6	4.9%	90-100	0.000	0%
10-20	103.9	13.6%	100-110	0.000	0%
20-30	147.5	19.4%	110-120	0.000	0%
30-40	161.8	21.2%	120-130	0.000	0%
40-50	145.4	19.1%	130-140	0.000	0%
50-60	103.5	13.6%	140-150	0.000	0%
60-70	51.1	6.7%	150-160	0.000	0%
70-80	10.8	1.4%	160-170	0.000	0%
80-90	0.2	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	289.0	38.1%	37.9%
0-40	450.8	59.4%	59.2%
0-60	699.7	92.2%	91.8%
60-90	62.1	8.2%	8.2%
70-100	11.0	1.5%	1.4%
90-120	0.000	0%	0%
0-90	761.8	100.4%	100%
90-180	0.000	0%	0%
0-180	761.8	100.4%	100%

99612, CDL4FR10/940/RTJB/LED



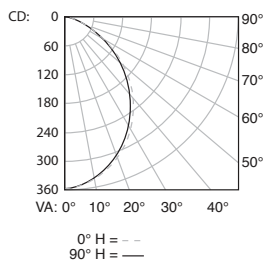
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	38.8	4.9%	90-100	0.000	0%
10-20	107.3	13.6%	100-110	0.000	0%
20-30	152.3	19.4%	110-120	0.000	0%
30-40	167.1	21.2%	120-130	0.000	0%
40-50	150.2	19.1%	130-140	0.000	0%
50-60	106.9	13.6%	140-150	0.000	0%
60-70	52.8	6.7%	150-160	0.000	0%
70-80	11.1	1.4%	160-170	0.000	0%
80-90	0.2	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	298.4	38.1%	37.9%
0-40	465.4	59.4%	59.2%
0-60	722.4	92.2%	91.8%
60-90	64.1	8.2%	8.2%
70-100	11.4	1.5%	1.4%
90-120	0.000	0%	0%
0-90	786.6	100.4%	100%
90-180	0.000	0%	0%
0-180	786.6	100.4%	100%

99613, CDL4FR10/950/RTJB/LED



LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	39.8	4.9%	90-100	0.000	0%
10-20	110.2	13.6%	100-110	0.000	0%
20-30	156.4	19.4%	110-120	0.000	0%
30-40	171.6	21.2%	120-130	0.000	0%
40-50	154.2	19.1%	130-140	0.000	0%
50-60	109.7	13.6%	140-150	0.000	0%
60-70	54.2	6.7%	150-160	0.000	0%
70-80	11.4	1.4%	160-170	0.000	0%
80-90	0.2	0.0%	170-180	0.000	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	306.4	38.1%	37.9%
0-40	477.9	59.4%	59.2%
0-60	741.9	92.2%	91.8%
60-90	65.8	8.2%	8.2%
70-100	11.7	1.5%	1.4%
90-120	0.000	0%	0%
0-90	807.7	100.4%	100%
90-180	0.000	0%	0%
0-180	807.7	100.4%	100%