

6" ECO Downlights High Lumen



ProLED® ECO Downlights are a long life and energy efficient replacement for traditional lamps. The 6" platform is easy to install and delivers a maintenance-free environment for its 35,000 hour useful rated life. With its superior LED technology and performance, the ProLED ECO Downlights deliver consistent color and uniform illumination in a budget-friendly design. Applications include: home, office, lobby, hospitality, retail, and conference rooms. ProLED ECO Downlights are backed by a 5-year limited warranty.

Performance Specifications

CRI	90	Min. Start Temp.	-20°C (-4°F)
Rated Life	35,000 hours	Max. Operating Temp.	45°C (113°F)
Watt	12W	Power Factor	>95%
Lumens	800lm	Warranty	5-Year Limited
Lumens per Watt (LPW)	66	Control	Dimmable (10%)
Input Line Voltage	120V	Weight	0.6 lb
Input Line Frequency	50/100 Hz		

Energy Savings	Traditional Incandescent	Replacement LED	Energy Savings
	75W	12W	81%

Construction

- Spun aluminum housing and thermoplastic trim ring
- 35,000 hour life results in lower maintenance costs over time
- Frosted lens for smooth, even and comfortable light distribution
- Luminaire is UL approved for wet locations
- RoHS Compliant

Installation

- Torsion springs mount securely in 5" and 6" housings
- Pre-wired E26 socket assembly included, GU24 adapter available
- Connects directly to dedicated LED-ready luminaires
- Rated for indoor use only

Electrical

- 120V Input
- 50/100 Hz Frequency
- Dimmable (10%)
- Power Factor >95%

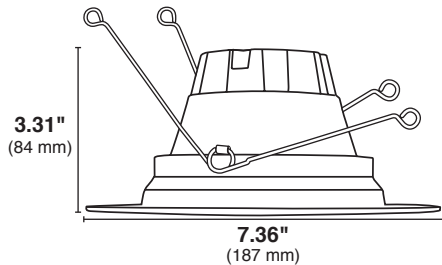
Ordering Information



Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
12	83094	DL6FR12/927/ECO/LED	120	2700K	90	800	35,000	Yes	6"	75
12	83095	DL6FR12/930/ECO/LED	120	3000K	90	800	35,000	Yes	6"	75
12	83096	DL6FR12/940/ECO/LED	120	4000K	90	800	35,000	Yes	6"	75
12	83097	DL6FR12/950/ECO/LED	120	5000K	90	800	35,000	Yes	6"	75
	91003	ADP/DL/GU24/LED								
										GU24 Socket Adapter

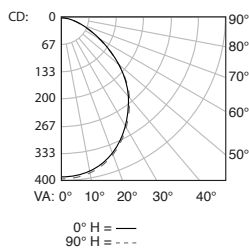
* Useful Life is defined as the duration of time which the lamp will maintain at least 70% of its initial lumens.

Dimensions



Photometrics

83094, DL6FR12/927/ECO/LED



ZONAL LUMEN SUMMARY

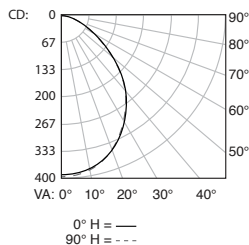
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	291.5	34.7%	34.7%
0-40	463.9	55.2%	55.2%
0-60	742.2	88.4%	88.4%
60-90	97.5	11.6%	11.6%
70-100	29.8	3.6%	3.6%
90-120	0.0	0%	0%
0-90	839.7	100%	100%
90-180	0.1	0%	0%
0-180	839.7	100%	100%

Total Luminaire Efficiency = 100.00%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	36.7	4.4%	90-100	0.0	0%
10-20	103.4	12.3%	100-110	0.000	0%
20-30	151.4	18.0%	110-120	0.001	0%
30-40	172.3	20.5%	120-130	0.000	0%
40-50	159.1	19.0%	130-140	0.002	0%
50-60	119.2	14.2%	140-150	0.006	0%
60-70	67.7	8.1%	150-160	0.005	0%
70-80	24.0	2.9%	160-170	0.003	0%
80-90	5.8	0.7%	170-180	0.001	0%

83095, DL6FR12/930/ECO/LED



ZONAL LUMEN SUMMARY

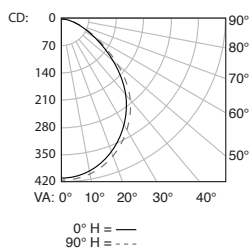
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	294.2	34.7%	34.7%
0-40	468.6	55.2%	55.2%
0-60	749.3	88.3%	88.3%
60-90	99.5	11.7%	11.7%
70-100	30.7	3.6%	3.6%
90-120	0.0	0%	0%
0-90	848.8	100%	100%
90-180	0.0	0%	0%
0-180	848.9	100%	100%

Total Luminaire Efficiency = 100.00%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	37.0	4.4%	90-100	0.0	0%
10-20	104.3	12.3%	100-110	0.000	0%
20-30	153.0	18.0%	110-120	0.000	0%
30-40	174.3	20.5%	120-130	0.000	0%
40-50	160.6	18.9%	130-140	0.004	0%
50-60	120.2	14.2%	140-150	0.006	0%
60-70	68.8	8.1%	150-160	0.005	0%
70-80	24.6	2.9%	160-170	0.003	0%
80-90	6.1	0.7%	170-180	0.001	0%

83096, DL6FR12/940/ECO/LED



ZONAL LUMEN SUMMARY

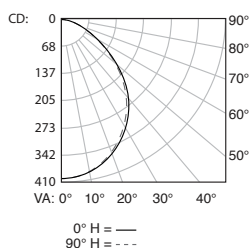
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	308.6	34.8%	34.8%
0-40	491.4	55.4%	55.4%
0-60	785.2	88.5%	88.5%
60-90	102.2	11.5%	11.5%
70-100	31.0	3.5%	3.5%
90-120	0.005	0%	0%
0-90	887.4	100%	100%
90-180	0.0	0%	0%
0-180	887.4	100%	100%

Total Luminaire Efficiency = 100.00%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	38.8	4.4%	90-100	0.004	0%
10-20	109.4	12.3%	100-110	0.000	0%
20-30	160.4	18.1%	110-120	0.001	0%
30-40	182.8	20.6%	120-130	0.000	0%
40-50	168.3	19.0%	130-140	0.002	0%
50-60	125.5	14.1%	140-150	0.007	0%
60-70	71.2	8.0%	150-160	0.005	0%
70-80	25.0	2.8%	160-170	0.003	0%
80-90	6.1	0.7%	170-180	0.001	0%

83097, DL6FR12/950/ECO/LED



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	300.0	34.4%	34.4%
0-40	478.1	54.9%	54.9%
0-60	768.1	88.2%	88.2%
60-90	103.1	11.8%	11.8%
70-100	31.5	3.6%	3.6%
90-120	0.0	0%	0%
0-90	871.2	100%	100%
90-180	0.0	0%	0%
0-180	871.2	100%	100%

Total Luminaire Efficiency = 100.00%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	37.7	4.3%	90-100	0.0	0%
10-20	106.4	12.2%	100-110	0.000	0%
20-30	155.9	17.9%	110-120	0.000	0%
30-40	178.1	20.4%	120-130	0.000	0%
40-50	165.3	19.0%	130-140	0.004	0%
50-60	124.8	14.3%	140-150	0.006	0%
60-70	71.6	8.2%	150-160	0.005	0%
70-80	25.2	2.9%	160-170	0.003	0%
80-90	6.2	0.7%	170-180	0.001	0%