

4" Surface Downlights



ProLED® Surface Downlights are a long life and energy efficient replacement for traditional lamps. Our 4" and 6" platforms are easy to install and are ideal for diverse mounting requirements. They deliver a maintenance-free environment for their 36,000-hour useful rated life. With its superior LED technology and performance, the ProLED Surface Downlights deliver consistent color, uniform illumination, and a low-profile impression for your lighting design. Applications include: home, office, lobby, hospitality, conference room. ProLED Surface Downlights are backed by a 5-year limited warranty.

Performance Specifications

CRI _____ 80
Rated Life _____ 36,000 hours
Watt _____ 7W
Lumens _____ 595lm
Lumens per Watt (LPW) _____ 85
Input Line Voltage _____ 120V
Input Line Frequency _____ 60 Hz

Min. Start Temp. _____ -30°C (-22°F)
Max. Operating Temp. _____ 40°C (104°F)
Power Factor _____ >98%
Warranty _____ 5-Year Limited
Control _____ Dimmable to 10%
Weight _____ 0.32 lb

Energy Savings

Traditional Incandescent	Replacement LED	Energy Savings
50W	7W	86%

Construction

- 36,000 hour life results in lower maintenance costs over time
- Lamp is UL approved for damp locations
- Rated for indoor use only
- RoHS Compliant
- Dimmable to 10%

Installation

- Mounts to standard 4" junction box with easy to install snap-fit bracket
- Mounts in 4" recessed housings with optional housing mounting clips (included)
- Pre-wired E26 socket assembly included, GU24 adapter available

Electrical

- 120V Input
- 50/60 Hz Input frequency
- Dimmable to 10%
- Power Factor >98%

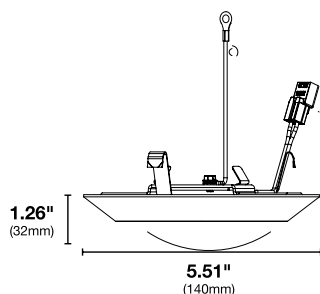
Ordering Information



Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
7	99944	SDL4FR7/827/LED	120	2700K	80	500	36,000	Yes	4"	50
7	99945	SDL4FR7/830/LED	120	3000K	80	525	36,000	Yes	4"	50
7	99946	SDL4FR7/840/LED	120	4000K	80	570	36,000	Yes	4"	50
7	99947	SDL4FR7/850/LED	120	5000K	80	595	36,000	Yes	4"	50

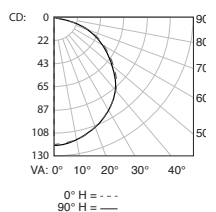
* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.

Dimensions



Photometrics

99944, SDL4FR7/827/LED



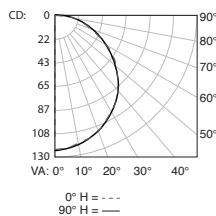
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	11.4	3.0%	90-100	4.5	1.2%
10-20	32.8	8.6%	100-110	0.6	0.1%
20-30	50.2	13.2%	110-120	0.0	0%
30-40	61.4	16.2%	120-130	0.0	0%
40-50	65.0	17.1%	130-140	0.0	0%
50-60	60.3	15.9%	140-150	0.0	0%
60-70	47.8	12.6%	150-160	0.0	0%
70-80	30.7	8.1%	160-170	0.0	0%
80-90	14.8	3.9%	170-180	0	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	94.3	18.8%	24.8%
0-40	155.7	31.1%	41%
0-60	280.9	56%	74%
60-90	93.4	18.6%	24.6%
70-100	50.1	10%	13.2%
90-120	5.1	1%	1.3%
0-90	374.3	74.7%	98.7%
90-180	5.1	1%	1.3%
0-180	379.4	75.7%	100%

99945, SDL4FR7/830/LED



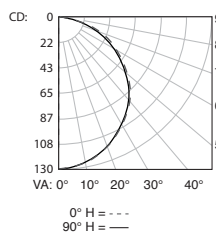
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	11.7	3.0%	90-100	4.7	1.2%
10-20	33.7	8.6%	100-110	0.6	0.1%
20-30	51.7	13.2%	110-120	0.0	0%
30-40	63.2	16.2%	120-130	0.0	0%
40-50	66.9	17.1%	130-140	0.0	0%
50-60	62.1	15.9%	140-150	0.0	0%
60-70	49.2	12.6%	150-160	0.0	0%
70-80	31.7	8.1%	160-170	0.0	0%
80-90	15.3	3.9%	170-180	0	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	97.1	18.5%	24.8%
0-40	160.3	30.6%	41%
0-60	289.3	55.2%	74%
60-90	96.2	18.3%	24.6%
70-100	51.6	9.8%	13.2%
90-120	5.3	1%	1.3%
0-90	385.5	73.5%	98.7%
90-180	5.3	1%	1.3%
0-180	390.8	74.5%	100%

99946, SDL4FR7/840/LED



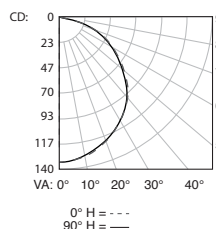
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	12.2	3.0%	90-100	4.9	1.2%
10-20	35.0	8.6%	100-110	0.6	0.1%
20-30	53.7	13.2%	110-120	0.0	0%
30-40	65.7	16.2%	120-130	0.0	0%
40-50	69.5	17.1%	130-140	0.0	0%
50-60	64.5	15.9%	140-150	0.0	0%
60-70	51.2	12.6%	150-160	0.0	0%
70-80	32.9	8.1%	160-170	0.0	0%
80-90	15.9	3.9%	170-180	0	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	100.9	17.4%	24.8%
0-40	166.6	28.8%	41%
0-60	300.6	52%	74%
60-90	99.9	17.3%	24.6%
70-100	53.6	9.3%	13.2%
90-120	5.5	0.9%	1.3%
0-90	400.5	69.2%	98.7%
90-180	5.5	0.9%	1.3%
0-180	406.0	70.2%	100%

99947, SDL4FR7/850/LED



LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	12.5	3.0%	90-100	5.0	1.2%
10-20	36.0	8.6%	100-110	0.6	0.1%
20-30	55.2	13.2%	110-120	0.0	0%
30-40	67.5	16.2%	120-130	0.0	0%
40-50	71.5	17.1%	130-140	0.0	0%
50-60	66.3	15.9%	140-150	0.0	0%
60-70	52.6	12.6%	150-160	0.0	0%
70-80	33.8	8.1%	160-170	0.0	0%
80-90	16.3	3.9%	170-180	0	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	103.7	17.3%	24.8%
0-40	171.2	28.6%	41%
0-60	309.0	51.6%	74%
60-90	102.7	17.2%	24.6%
70-100	55.1	9.2%	13.2%
90-120	5.6	0.9%	1.3%
0-90	411.7	68.8%	98.7%
90-180	5.6	0.9%	1.3%
0-180	417.4	69.7%	100%