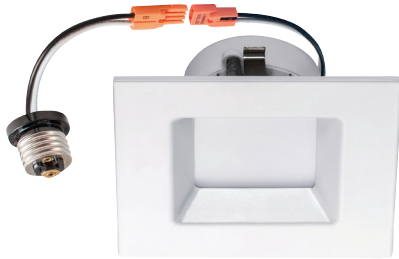


# 4" Square Downlights



ProLED® Square Downlights are a long life and energy efficient replacement for traditional lamps. Our 4" and 6" platforms are easy to install and deliver a maintenance-free peace of mind for their 50,000 hour useful rated life. With its superior LED technology and performance, the ProLED Square Downlights deliver consistent color, uniform illumination, and a memorable complement for any lighting design. Applications include: home, office, lobby, hospitality, retail, conference room. ProLED Square Downlights are backed by a 5-year limited warranty.

## Performance Specifications

<b>CRI</b> _____	90	<b>Min. Start Temp.</b> _____	-30°C (-22°F)
<b>Rated Life</b> _____	50,000 hours	<b>Max. Operating Temp.</b> _____	40°C (104°F)
<b>Watt</b> _____	10W	<b>Power Factor</b> _____	>92%
<b>Lumens</b> _____	560-630lm	<b>Warranty</b> _____	5-Year Limited
<b>Lumens per Watt (LPW)</b> _____	53-63	<b>Control</b> _____	Dimmable (10%)
<b>Input Line Voltage</b> _____	120V	<b>Weight</b> _____	0.83 lb
<b>Input Line Frequency</b> _____	60 Hz		

## Energy Savings

Traditional Incandescent	Replacement LED	Energy Savings
50W	10W	80%

## Construction

- Die-cast aluminum housing and trim for durability and heat dissipation
- 50,000 hour life results in lower maintenance costs over time
- Luminaire is UL approved for wet locations
- Durable frosted polycarbonate lens for smooth illumination
- Polyester powder coat white finish
- RoHS Compliant

## Installation

- Friction clips secure strongly into 4" recessed housings and allow unit to rotate to align with walls and other luminaires
- Rated for indoor use only

## Electrical

- 120V Input
- 50/60 Hz Frequency
- Dimmable (10%)
- Power Factor >92%

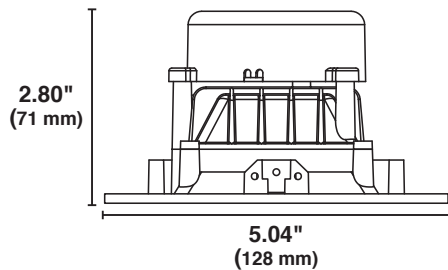


## Ordering Information

Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
10	99952	QDL4FR10/927/LED	120	2700K	90	560	50,000	Yes	4"	50
10	99953	QDL4FR10/930/LED	120	3000K	90	560	50,000	Yes	4"	50
10	99954	QDL4FR10/940/LED	120	4000K	90	590	50,000	Yes	4"	50
10	99955	QDL4FR10/950/LED	120	5000K	90	630	50,000	Yes	4"	50
	91003	ADP/DL/GU24/LED	GU24 Socket Adapter							

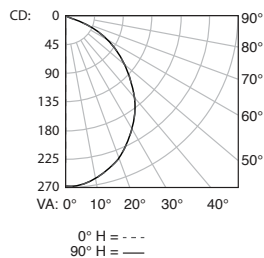
\* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.

## Dimensions



## Photometrics

### 99952, QDL4FR10/927/LED



### LUMENS PER ZONE

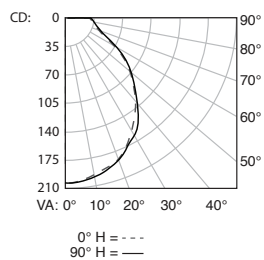
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	25.2	4.3%	90-100	0	0%
10-20	71.1	12.2%	100-110	0	0%
20-30	104.7	17.9%	110-120	0	0%
30-40	119.7	20.5%	120-130	0	0%
40-50	113.1	19.4%	130-140	0	0%
50-60	86.7	14.8%	140-150	0	0%
60-70	46.9	8.0%	150-160	0.1	0%
70-80	13.9	2.4%	160-170	0.3	0%
80-90	2.5	0.4%	170-180	0.1	0%

### ZONAL LUMEN SUMMARY

ZON	LUMENS	% LAMP	% LUMINAIRE
0-30	201.1	34.3%	34.4%
0-40	320.7	54.8%	54.9%
0-60	520.6	88.9%	89.1%
60-90	63.3	10.8%	10.8%
70-100	16.4	2.8%	2.8%
90-120	0	0%	0%
0-90	583.9	99.7%	99.9%
90-180	0.5	0.1%	0.1%
0-180	584.4	99.8%	100%

Total Luminaire Efficiency = 100.00%

### 99953, QDL4FR10/930/LED



### LUMENS PER ZONE

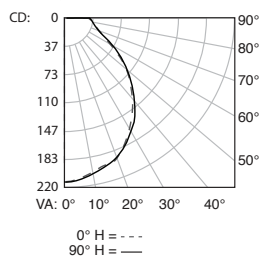
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	19.1	3.3%	90-100	8.9	1.6%
10-20	54.2	9.5%	100-110	0	0%
20-30	81.5	14.2%	110-120	0	0%
30-40	94.8	16.6%	120-130	0	0%
40-50	93.6	16.3%	130-140	0	0%
50-60	80.4	14.0%	140-150	0	0%
60-70	59.1	10.3%	150-160	0.1	0%
70-80	43.2	7.5%	160-170	0.3	0%
80-90	37.6	6.6%	170-180	0.1	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	154.8	27.3%	27%
0-40	249.6	44%	43.6%
0-60	423.6	74.7%	73.9%
60-90	140.0	24.7%	24.4%
70-100	89.7	15.8%	15.7%
90-120	8.9	1.6%	1.6%
0-90	563.6	99.4%	98.4%
90-180	9.4	1.7%	1.6%
0-180	573.0	101.1%	100%

Total Luminaire Efficiency = 100.00%

### 99954, QDL4FR10/940/LED



### LUMENS PER ZONE

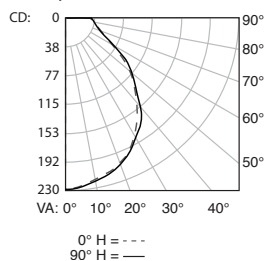
ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	20.0	3.3%	90-100	9.3	1.6%
10-20	56.9	9.5%	100-110	0	0%
20-30	85.4	14.2%	110-120	0	0%
30-40	99.4	16.6%	120-130	0	0%
40-50	98.2	16.3%	130-140	0	0%
50-60	84.3	14.0%	140-150	0	0%
60-70	62.0	10.3%	150-160	0.1	0%
70-80	45.3	7.5%	160-170	0.3	0%
80-90	39.4	6.6%	170-180	0.1	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	162.3	27.3%	27%
0-40	261.7	44%	43.6%
0-60	444.2	74.7%	73.9%
60-90	146.8	24.7%	24.4%
70-100	94.1	15.8%	15.7%
90-120	9.3	1.6%	1.6%
0-90	591.0	99.4%	98.4%
90-180	9.8	1.7%	1.6%
0-180	600.8	101.1%	100%

Total Luminaire Efficiency = 100.00%

### 99955, QDL4FR10/950/LED



### LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	21.5	3.3%	90-100	10.0	1.6%
10-20	61.2	9.5%	100-110	0	0%
20-30	91.9	14.2%	110-120	0	0%
30-40	107.0	16.6%	120-130	0	0%
40-50	105.6	16.3%	130-140	0	0%
50-60	90.7	14.0%	140-150	0	0%
60-70	66.7	10.3%	150-160	0.1	0%
70-80	48.8	7.5%	160-170	0.3	0%
80-90	42.4	6.6%	170-180	0.1	0%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	174.5	27.3%	27%
0-40	281.5	44%	43.6%
0-60	477.8	74.7%	73.9%
60-90	157.9	24.7%	24.4%
70-100	101.2	15.8%	15.7%
90-120	10.0	1.6%	1.6%
0-90	635.7	99.4%	98.4%
90-180	10.5	1.6%	1.6%
0-180	646.2	101.1%	100%

Total Luminaire Efficiency = 100.00%