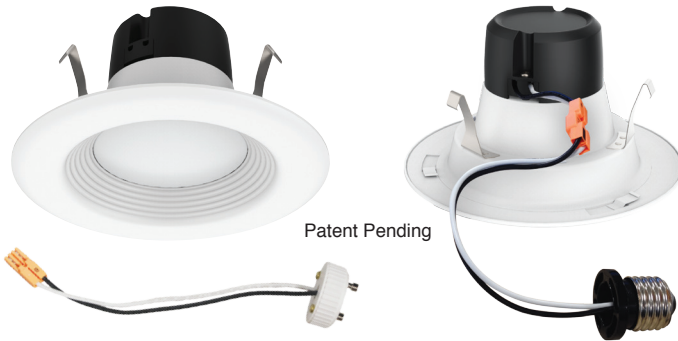


# 4" Downlight Retrofit Replaceable Trim Series



Patent Pending

ProLED® Downlight Retrofit Replaceable Trim Series is a long life and energy efficient replacement for lamps in existing downlight fixtures. The retrofit is quick and easy to install in only four simple steps. Designer replaceable trim options are available to compliment existing hardware. With superior LED technology the fixture delivers consistent color and high CRI for uniform illumination and long useful rated life. Applications include offices, healthcare, hospitality and retail. ProLED Downlight Retrofit Replaceable Trim Series is backed by a 5-Year Limited Warranty.

## Performance Specifications

<b>CRI</b>	_____	90
<b>Rated Life</b>	_____	50,000 hours
<b>Watt</b>	_____	8.5W
<b>Lumens</b>	_____	600lm
<b>Lumens per Watt (LPW)</b>	_____	70
<b>Input Line Voltage</b>	_____	120V
<b>Input Line Frequency</b>	_____	50/60 Hz

<b>Min. Start Temp.</b>	_____	-20°C (-4°F)
<b>Max. Operating Temp.</b>	_____	40°C (104°F)
<b>Power Factor</b>	_____	>98%
<b>Warranty</b>	_____	5-Year Limited
<b>Control</b>	_____	Dimmable to 5%
<b>Weight</b>	_____	0.661 lb.

## Energy Savings

Standard R20	Replacement LED	Energy Savings
50W	8.5W	83%

## Construction

- Low profile replaceable trim design (white baffled trim included)
- Frosted polycarbonate lens for smooth, even light distribution
- 2700K, 3000K and 4000K are CEC listed to comply with Title 24 as a high efficacy LED luminaire
- Meets California Quality Lamp Specifications
- UL Classified for wet locations
- Lightweight 0.661 lb construction

## Installation

- Friction clips allow for universal installation in 4" housings
- E26 Socket adapter included (GU24 socket adapter available)
- Title 24 Compliant quick luminaire disconnect
- Acceptable for use in ICAT housings

## Accessories

- 99934 - DL4/WB Replaceable 4" White Trim-Black Stepped Baffle
- 99935 - DL4/WSS Replaceable 4" White Trim-Specular Silver Baffle
- 99936 - DL4/BN Replaceable 4" Brushed Nickel Trim-Stepped Baffle
- 99937 - DL4/ORB Replaceable 4" Oil Rubbed Bronze Trim-Stepped Baffle
- 99939 - DL4/BLK Replaceable 4" Black Trim-Black Stepped Baffle
- 91003 - ADP/DL/GU24/LED GU24 Socket Adapter

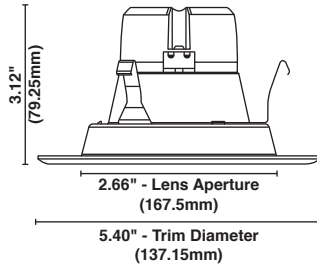
## Ordering Information



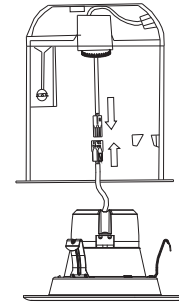
Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
8.5W	99823	DL4FR9/927/RT2/LED	120	2700K	90	600	50,000	Yes	4"	50W
8.5W	99824	DL4FR9/930/RT2/LED	120	3000K	90	600	50,000	Yes	4"	50W
8.5W	99825	DL4FR9/940/RT2/LED	120	4000K	90	600	50,000	Yes	4"	50W
8.5W	99826	DL4FR9/950/RT2/LED	120	5000K	90	600	50,000	Yes	4"	50W

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

## Dimensions

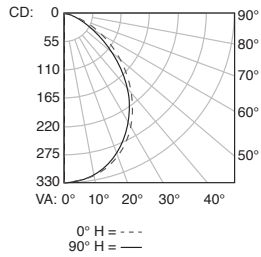


## Wiring Diagram



## Photometrics

### 99823, DL4FR9/927/RT2/LED



### Coefficients of Utilization Effective Floor Cavity Reflectance 0.20

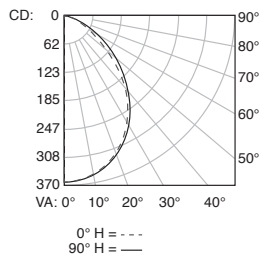
RC	80			70			50			
RW	70	50	30	70	50	30	0	50	30	20
0	119	119	119	116	116	100	111	111	111	111
1	111	107	104	105	102	89	101	98	96	
2	103	96	90	94	89	78	90	86	82	
3	95	86	79	84	78	68	81	76	71	
4	88	77	69	76	69	60	73	67	62	
5	81	70	62	69	61	54	67	60	55	
6	75	63	55	62	55	48	61	54	49	
7	70	58	50	57	49	43	56	49	44	
8	66	53	45	52	45	39	51	44	40	
9	61	49	41	48	41	36	47	41	36	
10	58	45	38	45	38	33	44	37	33	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	244.1	36.8	36.8
0-40	384.3	57.9	57.9
0-60	602.8	90.8	90.8
60-90	61.1	9.2	9.2
70-100	14.8	2.2	2.2
90-120	0.0	0	0
0-90	663.9	100	100
90-180	0.0	0	0
0-180	663.9	100	100

Total Luminaire Efficiency = 100.00%

### 99824, DL4FR9/930/RT2/LED



### Coefficients of Utilization Effective Floor Cavity Reflectance 0.20

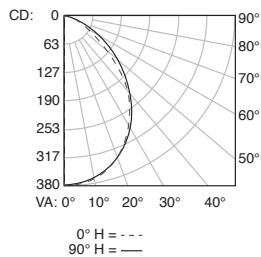
RC	80			70			50			
RW	70	50	30	70	50	30	0	50	30	20
0	119	119	119	116	116	116	111	111	111	111
1	111	107	104	108	105	102	101	98	96	
2	103	96	90	100	94	89	91	86	83	
3	95	86	79	93	85	78	82	76	72	
4	88	78	70	86	76	69	74	68	63	
5	82	70	62	80	69	62	67	61	56	
6	76	64	56	74	63	55	61	55	50	
7	71	58	51	69	58	50	56	50	45	
8	66	54	46	65	53	46	52	45	40	
9	62	50	42	61	49	42	48	41	37	
10	58	46	39	57	46	39	45	38	34	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	266.2	38	38
0-40	416.2	59.4	59.4
0-60	638.6	91.1	91.1
60-90	62.3	8.9	8.9
0-90	700.9	100	100

Total Luminaire Efficiency = 100.00%

### 99825, DL4FR9/940/RT2/LED



### Coefficients of Utilization Effective Floor Cavity Reflectance 0.20

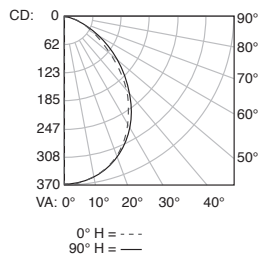
RC	80			70			50			
RW	70	50	30	70	50	30	0	50	30	20
0	119	119	119	116	116	116	111	111	111	111
1	111	107	104	108	105	102	101	98	96	
2	103	96	90	100	94	89	91	86	83	
3	95	86	79	93	85	78	82	76	72	
4	88	77	70	86	76	69	74	68	63	
5	82	70	62	80	69	62	67	61	56	
6	76	64	56	74	63	55	61	55	50	
7	71	58	50	69	58	50	56	49	44	
8	66	54	46	65	53	46	52	45	40	
9	62	50	42	61	49	42	48	41	37	
10	58	46	39	57	45	38	45	38	34	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	279.3	37.8	37.8
0-40	437.6	59.2	59.3
0-60	672.5	91.1	91.1
60-90	65.9	8.9	8.9
0-90	738.4	100	100

Total Luminaire Efficiency = 100.00%

### 99826, DL4FR9/950/RT2/LED



### Coefficients of Utilization Effective Floor Cavity Reflectance 0.20

RC	80			70			50			
RW	70	50	30	70	50	30	0	50	30	20
0	119	119	119	116	116	116	111	111	111	111
1	111	107	104	108	105	102	101	98	96	
2	103	96	90	100	94	89	91	86	83	
3	95	86	79	93	84	78	82	76	72	
4	88	77	70	86	76	69	74	68	63	
5	81	70	62	80	69	62	67	60	55	
6	76	64	56	74	63	55	61	54	49	
7	71	58	50	69	58	50	56	49	44	
8	66	54	46	65	53	46	52	45	40	
9	62	50	42	61	49	42	48	41	37	
10	58	46	39	57	45	38	44	38	34	

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	271.2	37.7	37.7
0-40	424.6	59.1	59.1
0-60	654.1	91	91
60-90	65.0	9	9
0-90	719.0	100	100

Total Luminaire Efficiency = 100.00%