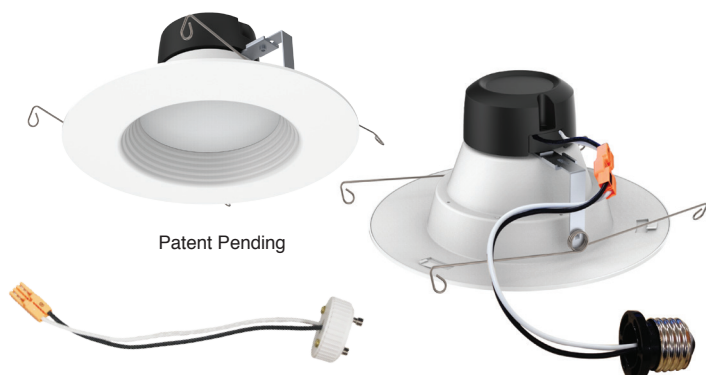


Downlight Retrofit 18W Replaceable Trim Series



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 complement existing finishes. With superior LED technology the fixture delivers consistent color and high CRI for uniform illumination and long useful rated life. Applications include offices, residential, healthcare, hospitality and retail. ProLED Downlight Retrofit Replaceable Trim Series is backed by a 5-Year Limited Warranty.

Performance Specifications

CRI	90
Rated Life	50,000 hours
Watt	18W
Lumens	1200lm
Lumens per Watt (LPW)	66
Input Line Voltage	120V
Input Line Frequency	50/60 Hz

Min. Start Temp.	-20°C (-4°F)
Max. Operating Temp.	40°C (104°F)
Power Factor	>98%
Warranty	5-Year Limited
Control	Dimmable to 5%
Weight	1.168 lb.

Energy Savings

Standard BR40	Replacement LED	Energy Savings
120W	18W	85%

Construction

- Low profile replaceable trim design (white baffled trim included)
- Frosted polycarbonate lens for smooth, even light distribution
- Meets California Quality Lamp Specifications (2700K and 3000K)

- Features Easy-Twist Technology™ with six designer trim options
- UL Classified for wet locations
- Lightweight 1.168 lb construction

Installation

- Torsion Springs allow for universal installation in 5"-6" housings (Friction clips included for housings that do not accept torsion springs)
- Torsion Springs and friction clips are adjustable to securely fit in 5" and 6" housings
- E26 Socket adapter included (GU24 socket adapter available)
- Title 24 Compliant quick luminaire disconnect
- Acceptable for use in ICAT housings

Trims & Accessories

- 99930 - DL6/WB Replaceable 5"-6" White Trim-Black Stepped Baffle
- 99931 - DL6/WSS Replaceable 5"-6" White Trim-Specular Silver Baffle
- 99932 - DL6/BN Replaceable 5"-6" Brushed Nickel Trim-Stepped Baffle
- 99933 - DL64/ORB Replaceable 5"-6" Oil Rubbed Bronze Trim-Stepped Baffle
- 99938 - DL4/BLK Replaceable 4" Black Trim-Black Stepped Baffle
- 91003 - ADP/DL/GU24/LED GU24 Socket Adapter

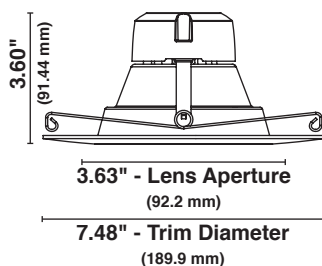
Ordering Information

Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Fixture Size	Equivalent Wattage
18W	99829	DL6FR18/927/RT2/LED	120V	2700K	90	1200	50,000	Yes	5"-6"	120W
18W	99830	DL6FR18/930/RT2/LED	120V	3000K	90	1200	50,000	Yes	5"-6"	120W
18W	99827	DL6FR18/940/RT2/LED	120V	4000K	90	1200	50,000	Yes	5"-6"	120W
18W	99828	DL6FR18/950/RT2/LED	120V	5000K	90	1200	50,000	Yes	5"-6"	120W

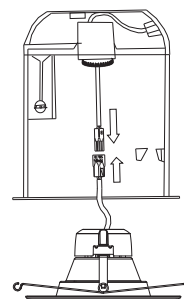
* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens.



Dimensions

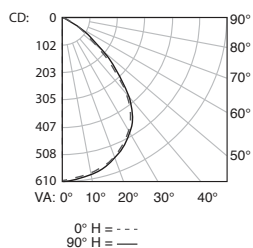


Wiring Diagram



Photometrics

99829, DL6FR18/927/RT2/LED



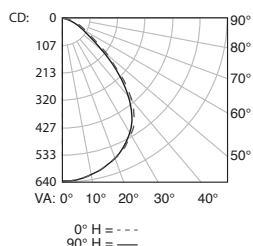
Coefficients of Utilization Effective Floor Cavity Reflectance 0.20												
RC	80			70			50					
RW	70	50	30	70	50	30	50	30	20			
0	119	119	119	116	116	100	111	111	111			
1	111	107	103	108	105	102	101	98	96			
2	103	96	90	100	94	89	91	86	83			
3	95	86	79	93	85	78	82	76	72			
4	88	78	70	86	76	69	74	68	63			
5	82	70	63	80	69	62	67	61	56			
6	76	64	56	74	63	56	61	55	50			
7	71	59	51	69	58	50	56	50	45			
8	66	54	46	65	53	46	52	45	41			
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	466.1	37.6	37.6
0-40	751.5	60.6	60.7
0-60	1,133.1	91.3	91.5
60-90	105.1	8.5	8.5
0-90	1,238.3	99.8	100

Total Luminaire Efficiency = 100.00%

99830, DL6FR18/930/RT2/LED



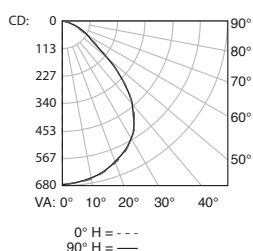
Coefficients of Utilization Effective Floor Cavity Reflectance 0.20												
RC	80			70			50					
RW	70	50	30	70	50	30	50	30	20			
0	119	119	119	116	116	116	111	111	111			
1	111	107	103	108	105	102	101	98	96			
2	103	96	90	100	94	89	91	86	83			
3	95	86	79	93	84	78	82	76	72			
4	88	78	70	86	76	69	74	68	63			
5	82	70	62	80	69	62	67	61	56			
6	76	64	56	74	63	56	61	55	50			
7	71	59	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	38	45	38	34			

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	489.1	37.5	37.5
0-40	788.7	60.4	60.5
0-60	1,191.8	91.3	91.5
60-90	111.0	8.5	8.5
0-90	1,302.8	99.8	100

Total Luminaire Efficiency = 100.00%

99827, DL6FR18/940/RT2/LED



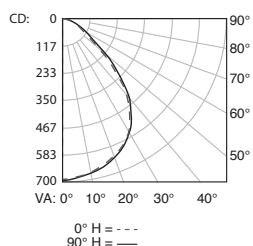
Coefficients of Utilization Effective Floor Cavity Reflectance 0.20												
RC	80			70			50					
RW	70	50	30	70	50	30	50	30	20			
0	119	119	119	116	116	116	111	111	111			
1	111	107	103	108	105	102	101	98	96			
2	103	96	90	100	94	89	91	86	82			
3	95	86	79	93	84	78	82	76	72			
4	88	78	70	86	76	69	74	68	63			
5	82	70	62	80	69	62	67	61	56			
6	76	64	56	74	63	56	61	55	50			
7	71	59	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	45	38	45	38	34			

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	522.8	37.3	37.4
0-40	845.1	60.3	60.4
0-60	1,278.6	91.3	91.4
60-90	119.7	8.5	8.6
0-90	1,398.3	99.8	100

Total Luminaire Efficiency = 100.00%

99828, DL6FR18/950/RT2/LED



Coefficients of Utilization Effective Floor Cavity Reflectance 0.20												
RC	80			70			50					
RW	70	50	30	70	50	30	50	30	20			
0	119	119	119	116	116	116	111	111	111			
1	111	107	103	108	105	102	101	98	96			
2	103	96	90	100	94	89	90	86	82			
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	61	56			
6	76	64	56	74	63	56	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	45	38	44	38	34			

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	533.1	37.3	37.4
0-40	860.4	60.2	60.4
0-60	1,302.4	91.2	91.4
60-90	123.3	8.6	8.6
0-90	1,425.7	99.8	100

Total Luminaire Efficiency = 100.00%