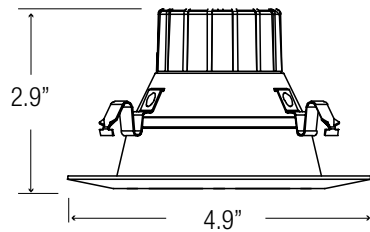




EASY 5 COLORS
SELECTOR
2700K • 3000K • 3500K • 4000K • 5000K



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
700	900	9W
950	1176	12W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%



INSTALLATION

Elite LED Retrofits come standard with quick connectors ready for installation in Elite Lighting's LD series recessed housing that are Energy Star and Title 24 rated (LD4IC-AT, LD5IC, LD6IC-AT).

FEATURES

The Elite RL428 has been engineered for New Construction, Remodel and Retrofit applications for 4-inch downlights. Dedicated housings install the same way as our standard incandescent downlights.

LUMENS	700, 950
CCT	27K/30K/35K/40K/50K
CRI	90+
COLOR QUALITY	3 Step MacAdam Ellipses
TRIM	Reflector, Aluminum die-cast body and trim
REFLECTOR COLORS	WH (White)
FLANGE COLORS	WH (White)
DIMMING	DIMTR (Triac)
LIFETIME	50,000 Hours
EMERGENCY	16W high voltage inverter (Installed into the housing)*
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

* Consult Factory

OPTICS AND REFLECTOR

The Elite-Engineered LED Module system is much more than just a simple LED retrofit. The Elite LED system is a highly engineered work of design and optical science which produces over 950 lumens. Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution.

CONSTRUCTION

Die-cast aluminum body and die-cast aluminum-lens for maximum heat dissipation.

OPTICS

A deeply regressed source provides glare-free, comfortable illumination and a 45-degree cutoff.

COMPATIBLE WITH ELITE 4" HOUSINGS

The Elite REL428 series works in Elite housings (LD4IC-AT, LD4RIC-AT, LD5IC-AT, and LD5RIC-AT) and existing Elite 4" incandescent housings (B4ICAT, EZ4IC-AT, B24IC-AT, B24RIC-AT, B4RIC-AT).

QUICK AND EASY INSTALLATION

Quick connectors for use with 4" housing or Edison base adapter for retrofitting into existing 4" incandescent housings.

Torsion springs pre-installed onto both sides of fixture, installing easily in most 4" incandescent downlights.

Insert torsion springs into can and press trim to ceiling. Friction blades are also included.

APPLICATIONS

Damp and wet-location-rated ideal for indoor and outdoor use, shower, and other wet-location applications. IC-Rated and Air Tight and may be installed in direct contact with insulation.

DRIVER ELECTRICAL INFORMATION

Driver is rated for 50 to 60Hz at 120V/277V input, produces less than 20% THD, has a power factor between 90% and 100%, and is thermally protected for additional safety.

DIMMING & DRIVER INFORMATION

DIMTR - Triac & electronic low voltage (DIMTR-120) flicker-free dimming. Available in 120V. Dimmable down to 15% of initial lumens, standard.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

Energy Star
cULus
Title 24
JA8E
RoHS
IECC
New York State

EXAMPLE: RL428-700L-DIMTR-120-27K/30K/35K/40K/50K-90-W-WH

TYPE	LUMEN	CCT	CRI	FINISH
RL428	☐ 700L-DIMTR-120 ☐ 950L-DIMTR-120	☐ 27K/30K/35K/40K/50K	☐ 90+	☐ W-WH-White

ACCESSORY: GU24SA

OPTIONS
☐ GU24SA - SOCKET FOR LED RETROFIT TO GU24

*Accessories order separate

EXAMPLE: LD4IC-AT-DIMTR-120-M

COMPATIBLE ELITE LIGHTING HOUSINGS			
			
☐ LD4IC-AT-DIMTR-120-M ☐ HLD4IC-AT-DIMTR-DIM10-MVOLT ☐ B4IC-AT	☐ LD4-AT-DIMTR-120 ☐ HLD4-AT ☐ B4-AT	☐ LD4RIC-AT-DIMTR-120	☐ LD4R-AT-DIMTR-120 ☐ HLD4R-AT ☐ B4R-AT

*Housing order separate

RL428-700L-DIMTR-120-27K-30K-35K-40K-50K-90-W-WH

TEST NO.: **EL09162008**

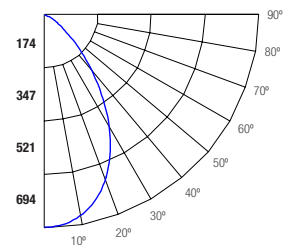
INPUT WATTS: **9.60292**

LUMENS: **900**

CRI: **90**

EFFICACY: **94**

CCT: **2700K**

SPACING CRITERIA: **1.00**
Candle Power Distribution (Candelas)


Cone of Light			
2	240 fc	2.3 ft	2.3 ft
4	63.8 fc	4.4 ft	4.4 ft
6	27.8 fc	6.7 ft	6.7 ft
8	15.5 fc	8.9 ft	9 ft
10	10.1 fc	11.1 ft	11.1 ft
12	6.94 fc	13.4 ft	13.4 ft
(FC) Initial Footcandle at Nadir (FT) Distance to Plane (FT) Beam Vert. Spread (FT) Beam Horiz. Spread			

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	241.53	26.80	26.80
0-30	471.74	52.40	52.40
0-40	673.44	74.80	74.80
0-60	865.00	96.10	96.10
0-80	899.71	100.00	100.00
0-90	899.73	100.00	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	80427	77978	75441
55	39311	39567	39800
65	22849	23133	23683
75	2539	3611	5846
85	79	79	79

Lumens Per Zone

Zone	Lumens
0-10	64.98
10-20	176.56
20-30	230.21
30-40	201.69
40-50	128.37
50-60	63.20
60-70	29.22
70-80	5.48
80-90	0.02

Candela Tabulation

0	
0	694.36
5	687.96
15	629.10
25	500.45
35	322.81
45	166.14
55	65.87
65	28.21
75	1.92
85	0.02
90	0.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC RW	80%				70%				50%			30%			10%			0%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	50	46	67	57	50	46	55	50	45	55	49	45	54	49	45	43		
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

RC - Ceiling Cavity Reflectance

RL428-950L-DIMTR-120-27K-30K-35K-40K-50K-90-W-WH

TEST NO.: **EL05082054**

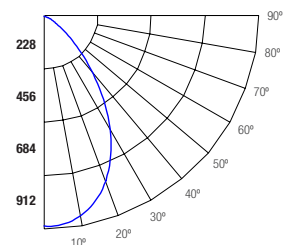
INPUT WATTS: **12.9037**

LUMENS: **1176**

CRI: **90**

EFFICACY: **91**

CCT: **2700K**

SPACING CRITERIA: **1.00**
Candle Power Distribution (Candelas)


Cone of Light			
2	315 fc	2.3 ft	2.2 ft
4	83.6 fc	4.4 ft	4.4 ft
6	36.4 fc	6.7 ft	6.6 ft
8	20.3 fc	8.9 ft	8.8 ft
10	13.2 fc	11 ft	10.9 ft
12	9.1 fc	13.3 ft	13.2 ft
(FC) Initial Footcandle at Nadir (FT) Distance to Plane (FT) Beam Vert. Spread (FT) Beam Horiz. Spread			

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	316.40	26.90	26.90
0-30	616.67	52.40	52.40
0-40	877.63	74.60	74.60
0-60	1126.5	95.80	95.80
0-80	1175.18	99.90	99.90
0-90	1175.2	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	120108	118448	107241
55	60413	60157	56295
65	35079	34845	32893
75	15236	15540	13821
85	79	79	39

Lumens Per Zone

Zone	Lumens
0-10	85.12
10-20	231.27
20-30	300.28
30-40	260.96
40-50	166.43
50-60	82.43
60-70	38.81
70-80	9.87
80-90	0.02

Candela Tabulation

0	
0	910.03
5	907.11
15	842.19
25	692.20
35	470.66
45	248.11
55	101.23
65	43.31
75	11.52
85	0.02
90	0.01

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC RW	80%				70%				50%			30%			10%			0%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	69	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	59	68	62	58	67	62	58	65	61	57	56		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43		
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

RC - Ceiling Cavity Reflectance