UNIVERSAL 6" AND 5" LED RETROFIT REFLECTOR LIGHTING MODULE

· Washington state • LM79/LM80



90+,80+ COLOR QUALITY 3-Step MacAdam Ellipses LUMEN OUTPUT 950 Lumens **LUMEN PER WATT** Up to 87 27K, 30K, 35K, 40K, 50K CCT **OPTIC** 45° Cut-Off WARRANTY 5 Years

SAME DAI

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION The RL628 is the newest, most efficient, and advanced LED retrofit modules from ELITE Lighting. It's unique design delivers color guality above a 90 CRI rating. The color matching has never been so close, with a binning as low as 3 MacAdams ellipses. The RL628 LED retrofits meet all new mandatory California Title 24 requirements.

The Elite RL628 LED Module has been engineered for new constructions to meet Title-24's "No Edison Socket" mandate. The Elite RL628 LED system works in our dedicated (LD6IC-AT, LD6RIC-AT, LD5IC-AT, and LD5RIC-AT) housings and our existing 6" Incandescent housings (B6IC-AT, EZ6IC-AT, B26IC-AT, B26RIC-AT, B6RIC-AT) but is also suitable for using in most 6" and 5" Incandescent recessed downlight housings in the market.

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	50/60Hz	<20%	>0.9	14W(+/-5%)	950

FEATURES

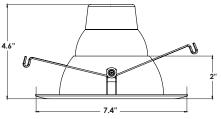
- Over 950 usable lumens are directed from the luminaire to the work surface
- Greater light output than a 26W CFL or a 65W BR30 while consuming less than 14W of power
- Rated at 90+ CRI to meet California Title-24 strict compliance standards
- Life tested to ensure light output up to 50,000 hours of operation to L70
- Glare reducing cut-off angle of 55 degrees
- High performance optic hides LED chip image but still delivers an even beam of light
- Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light
- Tested to LM-79 and LM-80 standards
- · UL listed for safety

DURABILITY

Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Our LED driver is rated for 50 to 60 Hz at 120V input, and produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.



INSTALLATION



Ez connector to use with special High efficacy housing or Edison base adapter for retrofitting into existing 6 and 5" incandescent housings.

Utilizes industry standard V springs, installs in most 5" incandescent down lights. Insert V springs into can and press trim to ceiling.

You MUST seal all gaps between the ceiling and fixture with weatherproof silicone sealant. This deters moisture and water from damaging fixtures and other mechanical ceiling elements.

DIMMABLE

The Elite LED Module is dimmable down to 15% of initial light output with compatible dimmers. Consult factory for complete list of compatible dimming systems.

OUR WORD

The Elite LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included)

***RECOMMENDED DIMMERS FOR ELITE RL628 LED SYSTEM**

LUTRON DIMME	RS	LUTRON CONTROL SYSTEM
INCANDESCENT		MAGNETIC LOW VOLTAGE
Diva DVCL-153P Skylark CTCL-153P Nova N-600 NovaT NT-600 Skylark S-600 Ariadni AY-600P Nova NTLV-600	Maestro MRF2-6ND NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450 Skylark S-1000 Decora 06633-766	NovaNLV-600 NovaT NTLV-600 Diva DVLV-600P Leviton Dimmer 6613-PL
Nova NLV-600	Decorra 6674 Toggle Dimmer TGl06-1LW	

RL628

UNIVERSAL 6" AND 5" LED RETROFIT REFLECTOR LIGHTING MODULE



Elite's innovative LED retrofit downlight modules deliver the brightest, most beautiful and most energy efficient ambient lighting to replace any lamp type on your existing fixture.

Example: RL628-950L-DIMTR-120-30K-90-W-WH

ТҮРЕ	950L SERIES	CCT		CRI	FINISH	OPTION				
RL628 (Reflector	950L-DIMTR-120	□ 27K □ 30K □ 35K	40K 50K (CRI 80+ Only)	□ 90+ □ 80+	□ W-WH □ MB-BK	GU24SA GU24 SOCKET ADAPTER				

Ordering Guide for Com	patible Housing			Ordering Guide for Compatible Housing									
	- EDin			No.									
IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel	IC - New Construction	Non-IC New Construction	IC - For Remodel	Non-IC For Remodel						
LD6IC, HLD6IC-AT,	LD6-AT, HLD6-AT, B6-AT	LD6RIC-AT	LD6R-AT, HLD6R-AT	LD5IC-AT	LD5-AT	LD5RIC-AT	LD5R-AT						
LD600IC-AT, EZ6IC-AT		HLD6RIC-AT	B6R-AT	HLD5IC-AT	HLD5-AT	HLD5RIC-AT	HLD5R-AT						
B6IC-AT, B6IC-100-AT		EZ6IC-AT		B5IC-AT	B5-AT	B5RIC-AT	B5R-AT						
B600-IC		B6RIC-AT		B25IC-AT		B25RIC-AT							

RL628-950L-DIMTR-120-35K-90-W-WH

EFFICACY: 87 CCT: 3500K INPUT WATTS: 15.3 LUMENS: 1338 CRI: 90

Candle Power Distribution (Candelas)	Zonal Lu	mens Sumr	nary		L	umina	nce (Aver	age cand	ela/M²)	Lume	ens Pe	er Zone		Ca	ndela T	abulation
900	Zone	Lumens	%Lamp	%Fixt		Angle	Average	Average	Average	Zone	Э	Lum	ens			<u>0</u>
80°	0-20	255.73	19.10	19.10		in Degrees	0°	45°	90°	0-1	0	67.2	0	0		714.62 713.72
	0-30 0-40	528.27 816.79	39.50 61.10	39.50	-	45	25008	26019	24471	10-		188.		-	5	681.99
1	0-40	1183.54	88.50	61.10 88.50		40 55	15517	17054	18196	20- 30-		272. 288.		2		616.61
$58 \mid H \mid X \mid Y_{acc}$	0-80	1320.54	98.70	98.70		65	11282	12318	13925	- 40-		200.		3		499.12
	0-90	1320.54	100.00	100.00		75	10792	11057	10551	50-		141.		4		322.87
50°		1007.07	100.00	100.00		85	11167	11745	11186	60-	70	87.5	3	5		162.50
36										70-		49.4		6 7		87.06 51.00
30°	Coefficier	nts of Utiliza	ation - Zon	al Cavity N	Nethod					80-	90	17.0	3	8		17.77
15 10° 20°		loor Cavity												9	0	0.35
Cone of Light	RC		80%	7	70%			50%		30%	,		10%	, D		0%
4.0 44.7 fc 7 ft	RW	70% 50%	6 30% 10	% 7	0% 50%	30%	10%	50% 30	% 10%	50%	30%	10%	50%	30%	10%	0%
8.0 11.2 fc 14.1 ft	0 0	119 119	9 119	119 1	116 116	5 116	116	111 11	1 111	106	106	106 92	102	102	102	100
12.0 4.96 fc 21.1 ft	0122	111 10 102 95			08 104 00 93		98 84	100 9 [°] 90 8		96 87	94 83	92 80	93 84	91 81	89 78	87 76
16.0 2.79 fc 28.1 ft		95 86 88 77	78 70	73 9	92 84 86 76	77	72 63	81 70 74 6	5 71	78 71	74 66	70 62	76 69	72 65	69 61	67 59
20.0 1.79 fc 35.1 ft	4 5 6	81 70	62	56 8	80 69	62	56	67 6	1 55	65	59	55	63 58	58	54	52
24.0 1.24 fc 42.2 ft	3 7	76 64 71 59	51	45 (74 63 69 58	50	50 45	61 5 57 5) 45	60 55	54 49	49 45	54	53 48	49 44	47 42
Distance to Initial Beam Footcandle Beam Plane at Nadir diameter	8 9 10	66 54 62 50 59 47	43	38 (65 53 61 50 58 46	42	41 37 34	52 44 48 42 45 39	2 37	51 47 44	45 41 38	41 37 34	50 46 43	44 41 38	40 37 34	39 35 32
BEAM DIA. MEASURED AT 50% OF NADIR F.C.	RC - Ceil	ing Cavity Refi	ectance	RW - Wa	all Reflecta	ance										

BI 628-9501 -DIMTB-120-40K

RL628-950L-DIMTR-120-40	r												TE	ТP	NO ·	EL-0614		
	UMENS: 102 [.]	1	CRI: 90)	FFFIC	ACY: 65		(CT: 4000)K				-	-	RIA: 1.14		
Candle Power Distribution (Candela			mens Summary								Lumens Per Zone				Candela Tabulation			
90°	Zone	Lumens	%Lamp	%Fixt		igle Ave	erage /	- Average	Average	Zone	е	Lum	nens			<u>0</u>		
80°	0-20 0-30	207.83 424.39	N.A. N.A.	20.40 41.60	in De		0°	45°	90°	0-10 10-2		55. ⁻ 152		0 5		589.18 581.67		
	0-40	647.69	N.A.	63.50		45 15 9		16484	15867	20-3		216		1		537.90		
	0-60	910.33	N.A.	89.20		55 106 55 862		10481 7776	9431 7117	30-4		223		2		465.35 349.42		
	0-80 0-90	1008.48	N.A.	98.80		75 705		7021	7053	40-! 50-l		164 97.9		4	5	205.89		
50°	0-90	1020.6	N.A.	100.00		35 751	6 7	7296	1150	60-1		62.		5 6		111.60 66.54		
442 40°										70-		36.0		7		33.33		
30°		ents of Utiliz			ethod					80-9	90	12.1	11	8		11.96		
589 20°	Effective	Floor Cavity	Reflectance	9 0.20										90		1.28		
Cone of Light	RC		80%	70	0%			50%		30%	5		10%			0%		
4.0 36.8 fc 6.6 ft	RW	70% 50%	% 30% 10%	% 70	% 50%	30% 10%		50% 30	% 10%	50%	30%	10%	50%	30%	10%	0%		
8.0 9.21 fc 13.2 ft	o 0	119 11 111 10	9 119	119 11	6 116	116 1	16	111 11	1 111	106 97	106 94	106	102 93	102	102	100		
12.0 4.09 fc 19.9 ft	0 1 2 0	103 96	3 90	100 10 85 10	0 94	89	34	100 9 90 8 82 7	8 95 6 82	97 87 79	94 84 75	92 81	84	91 81	90 79	88 77		
16.0 2.3 fc 26.5 ft	× ,	95 86	5 79	74 9 65 8		78	73 54	74 6	6 72 8 64	72	75 67	71 63	77 70	73 66	70 62	68		
20.0 1.47 fc 33.1 ft	<i>111</i>	88 78 82 71 77 65	63	58 8 52 7	0 70	63	57 51	68 6 62 5	2 57	66 61	61 55	56 51	64 59	60 54	56 50	60 54 48		
24.0 1.02 fc 39.7 ft	0 CA	72 60 67 55	52	47 7	0 59	52	46 42	58 5 53 4	1 46	56 52	50 46	46 42	55 51	50 46	46 42	44 40		
Distance to Initial Beam Footcandle Beam Plane at Nadir diameter	WOOL 10	63 51 60 48	44	39 6 36 5	2 51	44	+2 39 36	50 4 46 4	3 39	49 45	40 43 39	38 35	48	40 42 39	38 35	40 37 34		
REAM DIA MEASURED AT 50% OF NADIR E C	u 10	00 40	40	50 5	6 47	40	50	40 4	0 33	40	39	30	44	39	30	04		

RW - Wall Reflectance

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

RC - Ceiling Cavity Reflectance

TEST NO.: EL102816

SPACING CRITERIA: 1.18