HLD4R-AT-DIMTR

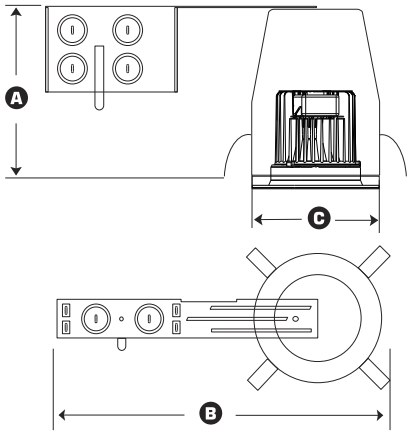
4" Architectural Remodel NON-IC Housing with Front Loading LED Module

Catalog Number	HLD4R		
Project Name		Type	

650 LUMENS

TO BE USED WITH RL400 SERIES LED MODULE LIGHTING COMPONENT ONLY

SAME DAY SHIPPING AVAILABLE



A Height = 5-1/2"
B Length = 11"
C Cut-out = 4-3/8"

DESCRIPTION - 4" Remodel NON-IC housing for use with RL400 LED series LED Module trims. Designed for remodel installations and suitable for use in NON-insulation covered ceilings. The HLD4R-AT housing is engineered with a unique 'EZ-connect' wiring system, that when used with the RL400 series trim, with California Title-24 (compliances pending). The unique EZ-connect system also meets other state and national regulatory mandates. LED Module connects effortlessly to housing, virtually eliminating mis-wiring and potential shock hazards.

LED

4"

Driver and LED engine can be easily accessed from below the ceiling, allowing for simple hassle free maintenance.

NOTE** - **Complete system includes HLD4R-AT housing and LED Modules RL400 series trim. RL400 LED Modules trim must be ordered separately.

4 INCH ARCHITECTURAL HOUSING LOADING LED MODULE

SPECIFICATION

HOUSING - Die-formed aluminum for maximum heat dissipation and rust protection. Housing can be installed in 1/2" to 1-3/8" thick ceilings. Housing is NON-IC rated and insulation must be kept 3" away from all sides. May be installed in 2" x 8" joist construction.

CONNECTION - Polarity-specific EZ-connect system engineered to match with MAXILUME LED Module trims. Meets strict code requirements where Edison Base Sockets have been banned.

INSTALLATION - For fast and easy installation in existing plaster or mechanical ceilings the housing installs from below the ceiling. Four preinstalled spring clips with secure the housing firmly into ceiling to accommodate different ceiling thicknesses form 1/2" to 1-3/8".

JUNCTION BOX - UL Listed for through-branch circuit wiring, provided with eight ½" knockouts and four Romex knockouts with true pry-out slots and strain clamps.

THERMAL PROTECTION - Standard thermal protection device guards against improper installation and misuse of insulation material.

MAXILUME LED MODULE - HLD4R-AT unique 'EZ-connect' wiring system is Title 24-2013 compliant when used with the RL400 series module. RL400 series modules are rated to last up to 50,000hrs as tested in accordance with LM-80 standards. Available lumen packages include up to 458 delivered lumens. Driver and LED Engine are found on the module itself. The MAXILUME LED system is fully dimmable down to 10% of initial light output with select Electronic Low Voltage dimmers when ordered with 120V housing only. Applications requiring 277V input will have a step down transformer installed on housing and are not dimmable. Consult Factory for details.

LISTING

c-UL-us- listed for Damp location.
c-UL-us- listed for feed Through Wiring. LM79 / LM80

DIMMING INFORMATION

DIMTR (Triac Dimming)

PROUDLY ASSEMBLED in AMERICA

c UL us LISTED

ITEM SELECTOR: Example: **HLD4R-AT-DIMTR-120-RL430-600L-DIMTR-120-30K-W-WH**

HLD4R

HOUSING TYPE

- ☐ **HLD4R-AT-DIMTR-120 -** Used For Triac Dimming Module
- ☐ **HLD4R-AT-277 -** Used For Non Dimming Module

TRIM TYPE	650L SERIES	CCT	CRI	FINISH
☐ **RL430** (BAFFLE)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI ONLY)	☐ 85+ ☐ 90+	☐ W-WH ☐ P-WH ☐ SN-SN ☐ CP-CP ☐ BZ-BZ ☐ P-BK
TRIM TYPE	**650L SERIES**			
☐ **RL411** (BAFFLE WALL WASH)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)			
TRIM TYPE	**650L SERIES**	**CCT**	**CRI**	**FINISH**
☐ **RL407** (REFLECTOR)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI ONLY)	☐ 85+ ☐ 90+	☐ CL-WH ☐ RG-PB ☐ CP-WH ☐ CL-CH ☐ W-WH ☐ CP-CP ☐ MB-WH ☐ SN-WH ☐ BZ-BZ ☐ MB-BK ☐ RG-WH ☐ CL-SN ☐ SN-SN
TRIM TYPE	**650L SERIES**			
☐ **RL422** (REFLECTOR WALL WASH)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)			
TRIM TYPE	**650L SERIES**	**CCT**	**CRI**	**FINISH**
☐ **RL428**	☐ 650L-DIMTR-120	☐ 30K	☐ 90+	☐ W-WH
☐ Reset		☐ Reset		☐ Reset

MAXILUME

BAFFLE

W-WH White White | P-BK Black Black | BZ-BZ Bronze Bronze | CP-CP Copper Copper | SN-SN Satin Nickel

REFLECTOR

CL-WH Clear White | CL-CH Clear Chrome | SN-SN Satin Nickel | W-WH White White | SN-WH Satin White

RG-PB Gold Polish Brass | BZ-BZ Bronze Bronze | CP-CP Copper Copper | CP-WH Copper White | MB-BK Black Black | MB-WH Back White | RG-WH Gold White

Example: **RL430-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTIONS
RL430 (BAFFLE)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ W-WH ❑ P-WH ❑ SN-SN	❑ CP-CP ❑ BZ-BZ ❑ P-BK	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL411-650L-DIMTR-120-90-30K-W-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTIONS
RL411 (BAFFLE WALL WASH)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ W-W-WH ❑ P-W-WH ❑ SN-SN-WH	❑ CP-CP-WH ❑ BZ-BZ-WH ❑ P-BK-WH	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL407-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTIONS
RL407 (REFLECTOR)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ CL-WH ❑ W-WH ❑ BZ-BZ ❑ SN-SN ❑ RG-WH	❑ MB-WH ❑ CL-CH ❑ CP-CP ❑ RG-PB ❑ MB-BK	❑ GU24SA GU24 SOCKET ADAPTER

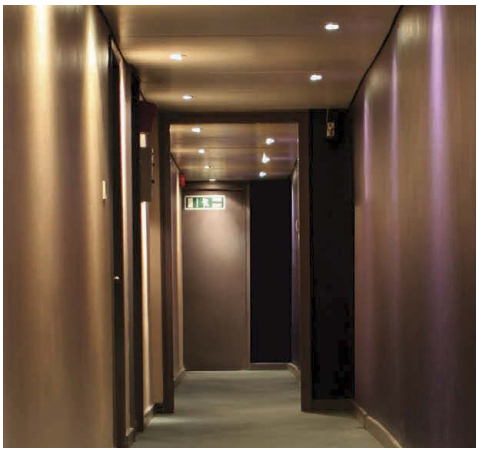
Example: **RL422-650L-DIMTR-120-90-30K-W-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTIONS
RL422 (REFLECTOR WALL WASH)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ CL-W-WH ❑ W-W-WH ❑ BZ-BZ-WH ❑ SN-SN-WH ❑ RG-W-WH	❑ MB-W-WH ❑ CL-CH-WH ❑ CP-CP-WH ❑ RG-PB-WH ❑ MB-BK-WH	❑ GU24SA GU24 SOCKET ADAPTER

*RECOMMENDED DIMMERS FOR ELITE -RL430

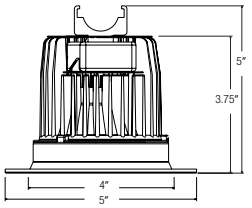
LUTRON DIMMERS		LUTRON CONTROL SYSTEM	LEVITON DIMMERS
DIMTR		DIMTR	DIMTR
Diva DVCL-153P Skylark CTCL-153P Nova N-600 NovaT NT-600 Skylark S-600 Ariadni AY-600P Nova NTLV-600 Nova NLV-600	Maestro MRF2-6ND NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	Homeworks HW/LP-RPM-4A-120 PHPM-PA Graphic Eye QS Radio RA2 RRD-10ND PHPM-PA ELV1-1000	IllumaTech IPE04 Sureslide 6633 Acenti Vizia+

Due to the changes of constant improvement in LED technology, all details are subject to change without notice.
Consult factory for up to date information.



Ordering Guide for Compatible Housing			
RL430-650L-DIMTR-120	Page	**RL430-650L-277** (Non Dimmable)	Page
LD4IC-AT-DIMTR-120	354	LD4IC-AT-120	354
LD4RIC-AT-DIMTR-120	357	LD4RIC-AT-277	357
LD4-AT-DIMTR-120	355	LD4-AT-277	355
LD4R-AT-DIMTR-120	356	LD4R-AT-277	356
HLD4IC-AT-DIMTR-120	173	HLD4IC-AT-277	173
HLD4-AT-DIMTR-120	172	HLD4-AT-277	172
HLD4R-AT-DIMTR-120	174	HLD4R-AT277	174
B4IC-AT	850	B4IC-AT	850
B4-AT	850	B4-AT	850
B4R-AT	851	B4R-AT	851

BAFFLE



RL430-(A)-(B)-(C)-(D)-(E)

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) FINISH
❑ 650L	❑ DIMTR-120 ❑ 277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ W-WH ❑ CP-CP ❑ P-WH ❑ BZ-BZ ❑ SN-SN ❑ P-BK
LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle				
See ordering chart for compatible housing on page 172, 173 & 174				

RL430-(A)-(B)-(C)-(D)-W-WH
(A) (WATTAGE) (B) (VOLTAGE/DRIVER) (C) (CCT) (D) (CRI)

Photometric Multiplier 1.0

RL430-(A)-(B)-(C)-(D)-P-WH
(A) (WATTAGE) (B) (VOLTAGE/DRIVER) (C) (CCT) (D) (CRI)

Photometric Multiplier .75

RL430-(A)-(B)-(C)-(D)-SN-SN
(A) (WATTAGE) (B) (VOLTAGE/DRIVER) (C) (CCT) (D) (CRI)

Photometric Multiplier .92

RL430-(A)-(B)-(C)-(D)-CP-CP
(A) (WATTAGE) (B) (VOLTAGE/DRIVER) (C) (CCT) (D) (CRI)

Photometric Multiplier .87

RL430-(A)-(B)-(C)-(D)-P-BK
(A) (WATTAGE) (B) (VOLTAGE/DRIVER) (C) (CCT) (D) (CRI)

Photometric Multiplier .75

RL430-(A)-(B)-(C)-(D)-BZ-BZ
(A) (WATTAGE) (B) (VOLTAGE/DRIVER) (C) (CCT) (D) (CRI)

Photometric Multiplier .85

BAFFLE WALL WASH

RL411-(A)-(B)-(C)-(D)-(E)

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) FINISH
❑ 650L	❑ DIMTR-120 ❑ 277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ W-W-WH ❑ CP-CP-WH ❑ P-W-WH ❑ BZ-BZ-WH ❑ SN-SN-WH ❑ P-BK-WH
LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle Wall Wash				
See ordering chart for compatible housing on page 172, 173 & 174				

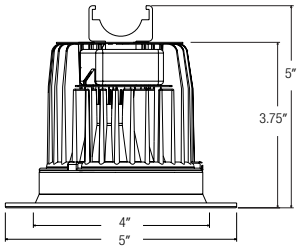
REFLECTOR

RL407-(A)-(B)-(C)-(D)-(E)

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) FINISH
❑ 650L	❑ DIMTR-120 ❑ 277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ W-W-WH ❑ P-W-WH ❑ SN-SN-WH ❑ CP-CP-WH ❑ BZ-BZ-WH ❑ P-BK-WH
LED (Retrofit) Die-cast Aluminum Lensed Reflector				
See ordering chart for compatible housing on page 172, 173 & 174				

RL407-(A)-(B)-(C)-(D)-MB-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .77



RL407-(A)-(B)-(C)-(D)-CL-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier 1.0

RL407-(A)-(B)-(C)-(D)-BZ-BZ
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .87

RL407-(A)-(B)-(C)-(D)-MB-BK
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .87

RL407-(A)-(B)-(C)-(D)-CL-CH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier 1.0

RL407-(A)-(B)-(C)-(D)-CP-CP
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .90

RL407-(A)-(B)-(C)-(D)-SN-SN
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .87

RL407-(A)-(B)-(C)-(D)-W-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .95

RL407-(A)-(B)-(C)-(D)-RG-PB
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .90

RL407-(A)-(B)-(C)-(D)-RG-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .90

REFLECTOR WALL WASH

RL422-(A)-(B)-(C)-(D)-(E)

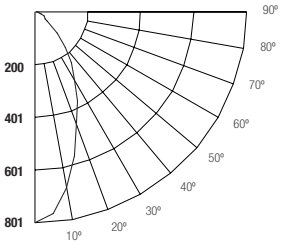
(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(C) CCT	(D) CRI	(E) FINISH
❑ 650L	❑ DIMTR-120 ❑ 277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K (85+ CRI only)	❑ 85+ ❑ 90+	❑ W-W-WH ❑ P-W-WH ❑ SN-SN-WH ❑ CP-CP-WH ❑ BZ-BZ-WH ❑ P-BK-WH
LED (Retrofit) Die-cast Aluminum Lensed Reflector Wall Wash				
See ordering chart for compatible housing on page 172, 173 & 174				

RL430-650L-DIMTR-120-85-40K-W-WH

TEST NO.: **EL-0913118**

INPUT WATTS: **9.8** LUMENS: **674** CRI: **85+** EFFICACY: **68.8** CCT: **4000K** SPACING CRITERIA: **0.80**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	221.87	33.20	32.90
0-30	387.27	57.90	57.50
0-40	527.20	78.90	78.30
0-60	641.91	96.00	95.30
0-80	670.19	100.20	99.50
0-90	673.67	100.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20962	21618	19197
55	10358	9391	5311
65	7628	5096	4992
75	5533	5329	4761
85	6492	6088	130

Lumens Per Zone

Zone	Lumens
0-10	69.18
10-20	152.69
20-30	165.40
30-40	139.93
40-50	83.47
50-60	31.24
60-70	17.76
70-80	10.52
80-90	3.48

Candela Tabulation

	0
0	801
5	769
15	568
25	375
35	237
45	117
55	47
65	25
75	11
85	4
90	1

Cone of Light		
4.0	50.1	3.3'
8.0	12.5	6.6'
12.0	5.6	10.0'
16.0	3.1	13.3'
20.0	2.0	16.6'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%			30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
	1	113	110	107	104	111	108	105	103	104	101	100	100	98	97	96	95	94	92
	2	107	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	83
	3	100	93	87	82	98	91	86	82	89	84	80	86	82	79	84	81	78	76
	4	94	86	79	74	92	84	79	74	82	77	73	80	76	72	78	74	71	70
	5	89	79	73	68	87	78	72	67	77	71	67	75	70	66	73	69	66	64
	6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
	7	79	69	62	57	78	68	62	57	67	61	57	66	60	57	64	60	56	55
	8	75	65	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
	9	71	61	54	50	70	60	54	50	59	53	49	58	53	49	57	53	49	48
	10	68	57	51	47	67	57	51	46	56	50	46	55	50	46	54	49	46	45

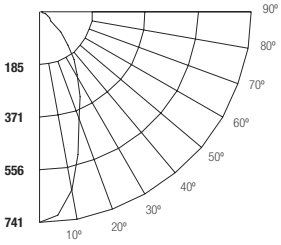
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

RL430-650L-DIMTR-120-90-30K-W-WH

TEST NO.: **EL-101352**

INPUT WATTS: **10.6** LUMENS: **577** CRI: **90+** EFFICACY: **54.4** CCT: **3000K** SPACING CRITERIA: **0.76**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	195.82	34.20	33.90
0-30	334.25	58.40	57.90
0-40	455.06	79.50	78.80
0-60	552.19	96.50	95.70
0-80	574.31	100.30	99.50
0-90	577.21	100.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	18300	19945	15710
55	9095	7940	3830
65	6432	3877	3671
75	4382	4173	3546
85	5309	5006	144

Lumens Per Zone

Zone	Lumens
0-10	62.97
10-20	132.85
20-30	138.44
30-40	120.80
40-50	72.42
50-60	24.72
60-70	13.81
70-80	8.31
80-90	2.89

Candela Tabulation

	0
0	741
5	720
15	521
25	330
35	205
45	102
55	41
65	21
75	9
85	3
90	1

Cone of Light		
4.0	46.3	3.0'
8.0	11.6	6.0'
12.0	5.1	8.9'
16.0	2.9	11.9'
20.0	1.9	14.9'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%			30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
	1	113	110	107	105	111	108	105	103	104	102	100	100	98	97	97	95	94	92
	2	107	101	96	93	104	99	95	91	96	92	89	93	90	87	90	88	86	84
	3	101	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
	4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70
	5	89	80	73	68	88	79	73	68	77	72	67	75	71	67	74	70	66	65
	6	84	74	68	63	83	74	67	63	72	66	62	71	66	62	69	65	61	60
	7	80	70	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55
	8	76	65	59	54	74	65	58	54	63	58	54	62	57	53	61	57	53	52
	9	72	61	55	50	71	61	55	50	60	54	50	59	54	50	58	53	50	48
	10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45

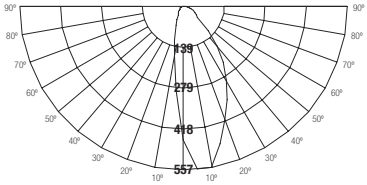
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

RL411-650L-DIMTR-120-85-40K-W-WH

TEST NO.: **EL-0913119**

INPUT WATTS: **9.8** LUMENS: **417** CRI: **85+** EFFICACY: **42.5** CCT: **4000K** SPACING CRITERIA: **1.04**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	124.05	30.00	29.80
0-30	218.21	52.70	52.40
0-40	301.30	72.80	72.30
0-60	382.80	92.50	91.90
0-80	412.71	99.70	99.10
0-90	416.66	100.70	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	21140	21967	13706
55	11649	10906	5533
65	10975	7833	5040
75	10532	9896	4498
85	10805	10170	260

Lumens Per Zone

Zone	Lumens
0-10	38.83
10-20	85.23
20-30	94.16
30-40	83.09
40-50	54.51
50-60	26.98
60-70	18.26
70-80	11.66
80-90	3.94

Candela Tabulation

	0
0	454
5	557
15	485
25	352
35	234
45	118
55	53
65	36
75	21
85	7
90	0

Cone of Light		
4.0	28.4	4.0'
8.0	7.1	8.0'
12.0	3.2	12.0'
16.0	1.8	16.0'
20.0	1.1	20.0'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%			30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
	1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	90
	2	105	99	94	89	103	97	92	88	94	90	86	91	87	84	88	85	83	81
	3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
	4	92	83	76	71	90	82	75	70	79	74	69	77	72	69	75	71	68	66
	5	87	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60
	6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55
	7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
	8	73	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47
	9	69	58	51	46	68	57	51	46	56	50	46	55	50	46	54	49	46	44
	10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41

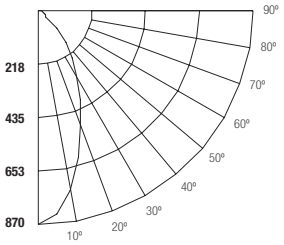
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

RL407-650L-DIMTR-120-85-40K-W-WH

TEST NO.: **EL-0913120**

INPUT WATTS: **10.6** LUMENS: **695** CRI: **85+** EFFICACY: **65.6** CCT: **4000K** SPACING CRITERIA: **0.78**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	234.67	34.00	33.80
0-30	408.60	59.30	58.80
0-40	549.57	79.70	79.10
0-60	660.41	95.80	95.00
0-80	691.31	100.30	99.50
0-90	695.07	100.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20567	21410	17964
55	9198	9411	5638
65	7423	5697	5629
75	6077	5941	5465
85	6723	6290	173

Lumens Per Zone

Zone	Lumens
0-10	73.70
10-20	160.97
20-30	173.93
30-40	140.97
40-50	80.54
50-60	30.30
60-70	19.16
70-80	11.74
80-90	3.76

Candela Tabulation

	0
0	870
5	828
15	606
25	400
35	246
45	115
55	41
65	24
75	12
85	4
90	0

Cone of Light		
4.0	54.4	3.2'
8.0	13.6	6.5'
12.0	6.0	9.7'
16.0	3.4	12.9'
20.0	2.2	16.1'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO 0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	113	110	107	104	111	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84
3	100	93	87	83	98	92	86	82	89	84	81	86	82	79	84	81	78	76
4	95	86	80	75	93	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	64
6	84	74	68	63	83	73	67	63	72	66	62	70	65	62	69	65	61	60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55
8	76	65	58	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52
9	72	61	55	50	71	61	54	50	60	54	50	59	54	50	58	53	50	48
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45

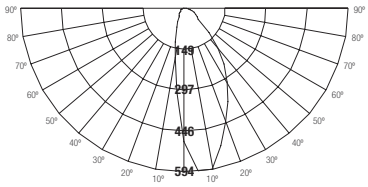
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

RL422-650L-DIMTR-120-85-40K-W-WH

TEST NO.: **EL-0913121**

INPUT WATTS: **10.3** LUMENS: **435** CRI: **85+** EFFICACY: **42.2** CCT: **4000K** SPACING CRITERIA: **1.02**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	130.18	30.10	29.90
0-30	229.08	53.00	52.60
0-40	313.32	72.50	72.00
0-60	395.77	91.60	91.00
0-80	430.43	99.60	98.90
0-90	435.12	100.70	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20319	21416	12758
55	10759	10938	6092
65	11624	8916	5831
75	12461	12004	5407
85	12709	12392	346

Lumens Per Zone

Zone	Lumens
0-10	40.74
10-20	89.45
20-30	98.89
30-40	84.25
40-50	54.24
50-60	28.21
60-70	20.81
70-80	13.86
80-90	4.69

Candela Tabulation

	0
0	481
5	594
15	516
25	369
35	234
45	114
55	49
65	39
75	25
85	8
90	0

Cone of Light		
4.0	30.1	3.9'
8.0	7.5	7.7'
12.0	3.3	11.6'
16.0	1.9	15.5'
20.0	1.2	19.4'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO 0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	112	109	105	102	110	106	103	101	102	100	98	98	96	95	95	93	92	90
2	105	99	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	84	79	96	89	83	78	86	81	77	83	79	75	81	77	74	72
4	92	83	76	70	90	81	75	70	79	74	69	77	72	68	75	71	67	66
5	86	76	69	64	85	75	68	63	73	67	63	71	66	62	70	65	62	60
6	81	71	63	58	80	70	63	58	68	62	58	67	61	57	65	60	57	55
7	77	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	52	51
8	73	61	54	50	71	61	54	49	60	54	49	58	53	49	57	52	49	47
9	69	58	51	46	67	57	50	46	56	50	46	55	50	46	54	49	45	44
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41

***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The Elite **LED Module** has been engineered for new construction where Title-24's 'No Edison Socket" mandate has been initiated. A dedicated housing installs the same as any other Elite Lighting product and features our adjustable, lockable and tiltable nail bars. The **LED Module** can also be installed into most 4" incandescent downlights by using our unique Edison adapter.
Over 650 usable lumens are directed from the luminaire to the work surface. Lighting is smooth and comfortable, all while using 75% less energy than the equivalent 50W BR20 and 25% less than the common 13W CFL. Plus the Elite **LED Module** features 50,000hrs of life, and California Title-24 compliance.

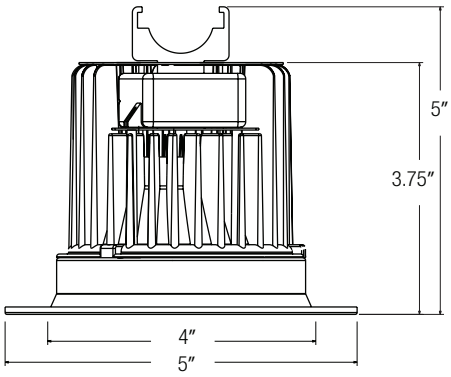
INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS
120/277	50/60Hz	83mA/36mA	<20%	>0.9	10W(+/-5%)	650

FEATURES

Greater light output than a 13W CFL or a 50W BR20 while consuming less than 10W of power.

OPTICS

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 650 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution. The reflector also offers the benefits of a smooth integrated light with glare reduction at a 55 degree cut-off, which minimizes brightness. Optic combinations available in Baffle, Reflector, and Wall Wash options to fit any lighting application.



DURABILITY

Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Without proper heat management, any LED luminaire will fail. Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Life tests have shown the Elite **LED Module** light output will be maintained at 70% of initial at 50,000 hours of operation. Our superior design allows for installation in construction that requires the Elite Air-Shut™ system. Our LED driver is rated for 50 to 60 Htz at 120V input, produces less than 10% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

REPEATABLE

Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the Elite LED Module is engineered for quality. All Elite LED luminaries are rated at 85+ and 90+ CRI and 27K, 30K, 35K, 40K and 50K, as rated and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light.

DIMMABLE

The Elite **LED Module** system is fully dimmable down to 10% of initial light output with a Triac dimmer when ordered with the following options (DIMTR-120). Dimmer control must have same AC input rating as the dimmable power supply driver it connects to. Other electronic low voltage dimmers may be compatible, but have not been tested by Elite LED Lighting.

INTERCHANGEABLE

The Elite **LED Module** system works in our dedicated (LD4IC-AT, LD4-AT, LD4R-AT) housings and our existing 4" incandescent housings (or standard B4IC-AT, B4-AT and B4R-AT) but is also suitable for use in most 4" recessed downlight housing.

ADAPTABLE

All Elite **LED Module** luminaries are shipped standard with our custom engineered Edison adapter. This adapter assembly allows the luminaries to install directly into existing Elite 4" downlight housings and most other 4" downlight housings.

OUR WORD

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

INSTALLATION

- Socket adapter removes from module, allowing installation to be quick and easy. Simply screw in the adapter and plug in the module. Turning off the entire module is not required.
- Utilizes industry standard friction blades, installs in most 4" incandescent down lights. Insert friction blades into can and press trim to ceiling.

PROUDLY ASSEMBLED in AMERICA · cULus LISTED · ENERGY STAR PENDING · FOR WET LOCATION

CERTIFICATIONS

- cULus
- RoHS
- IECC
- New York state
- Made in USA
- UL/cUL Listed for Wet
- UL/cUL Listed for Damp Location
- California Title 24
- Washington state
- LM79/LM80

R20 Lamp

RL4 LED Retrofit Series

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.

Lumens may vary based on the trim colors. See IES files for output lumens of each.

Example: **RL430-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL430 (BAFFLE)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ W-WH ❑ P-WH ❑ SN-SN	❑ CP-CP ❑ BZ-BZ ❑ P-BK	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL411-650L-DIMTR-120-90-30K-W-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL411 (BAFFLE WALL WASH)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ W-W-WH ❑ P-W-WH ❑ SN-SN-WH	❑ CP-CP-WH ❑ BZ-BZ-WH ❑ P-BK-WH	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL407-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL407 (REFLECTOR)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ CL-WH ❑ W-WH ❑ BZ-BZ ❑ SN-SN ❑ RG-WH	❑ MB-WH ❑ CL-CH ❑ CP-CP ❑ RG-PB ❑ MB-BK	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL422-650L-DIMTR-120-90-30K-W-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL422 (REFLECTOR WALL WASH)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ CL-W-WH ❑ W-W-WH ❑ BZ-BZ-WH ❑ SN-SN-WH ❑ RG-W-WH	❑ MB-W-WH ❑ CL-CH-WH ❑ CP-CP-WH ❑ RG-PB-WH ❑ MB-BK-WH	❑ GU24SA GU24 SOCKET ADAPTER

*RECOMMENDED DIMMERS FOR ELITE -RL430

LUTRON DIMMERS		LUTRON CONTROL SYSTEM	LEVITON DIMMERS
DIMTR		DIMTR	DIMTR
Diva DVCL-153P Skylark CTCL-153P Nova N-600 NovaT NT-600 Skylark S-600 Ariadni AY-600P Nova NTLV-600 Nova NLV-600	Maestro MRF2-6ND NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	Homeworks HW/LP-RPM-4A-120 PHPM-PA Graphic Eye QS Radio RA2 RRD-10ND PHPM-PA ELV1-1000	IllumaTech IPE04 Sureslide 6633 Acenti Vizia+

Ordering Guide for Compatible Housing

RL430-650L-DIMTR-120	Page	RL430-650L-277 (Non Dimmable)	Page
LD4IC-AT-DIMTR-120	354	LD4IC-AT-120	354
LD4RIC-AT-DIMTR-120	357	LD4RIC-AT-277	357
LD4-AT-DIMTR-120	355	LD4-AT-277	355
LD4R-AT-DIMTR-120	356	LD4R-AT-277	356
HLD4IC-AT-DIMTR-120	173	HLD4IC-AT-277	173
HLD4-AT-DIMTR-120	172	HLD4-AT-277	172
HLD4R-AT-DIMTR-120	174	HLD4R-AT277	174
B4IC-AT	850	B4IC-AT	850
B4-AT	850	B4-AT	850
B4R-AT	851	B4R-AT	851

RL428

4" - LED RETROFIT MODULE

SAME DAY SHIPPING AVAILABLE

ENERGY STAR

c UL us LISTED

TITLE 24 2014 READY

FOR WET LOCATION

PROUDLY ASSEMBLED in AMERICA

CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipses
LUMEN OUTPUT	650 Lumens
LUMEN PER WATT	Up to 60
CCT	30K
OPTIC	45° Cut-Off
WARRANTY	5 Years

CERTIFICATIONS

- cULus
- RoHS
- IECC
- New York state
- Made in USA
- UL/cUL Listed for Wet Damp Location
- UL/cUL Listed for
- California Title 24
- Washington state
- LM79/LM80

LED

4"

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The RL428 is the newest, most efficient, and advanced LED retrofit modules from ELITE Lighting. It's unique design delivers color quality above a 90 CRI rating. The color matching has never been so close, with a binning as low as 3 MacAdams ellipses. The RL628 and RL428 LED retrofits meet all new mandatory California Title 24 requirements.

The Elite RL428 LED Module has been engineered for new constructions to meet Title-24's 'No Edison Socket" mandate. The Elite LED Module system works in our dedicated (LD4IC-AT, LD4-AT, LD4R-AT) housings and our existing 4" incandescent housings (or standard B4IC-AT, B4-AT and B4R-AT) but is also suitable for use in most 4"recessed downlight housings in the market.

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	91/39Hz	100mA	<20%	>0.9	11W(+/-5%)	650

FEATURES

- Over 650 usable lumens are directed from the luminaire to the work surface
- Greater light output than a 18W CFL or a 50W BR20 while consuming less than 11W 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.

DIMMABLE

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

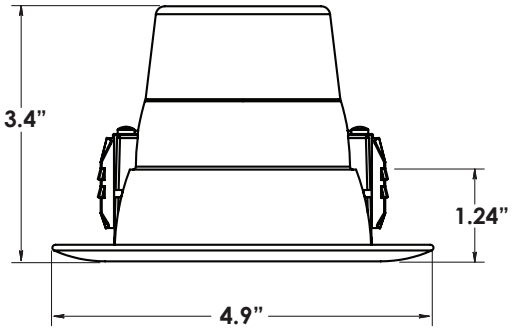
OUR WORD

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

R20 Lamp

RL428 LED Retrofit Series

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.



Examplev: **RL428-650L-DIMTR-120-30K-W-W-WH**

TYPE	650L SERIES	CCT	CRI	FINISH	OPTION
RL428 (REFLECTOR)	❑ 650L-DIMTR-120	❑ 30K	❑ 90+	❑ W-WH	❑ GU24SA GU24 SOCKET ADAPTER

*RECOMMENDED DIMMERS FOR ELITE RL428 LED SYSTEM

LUTRON DIMMERS		LUTRON CONTROL SYSTEM
DIMTR		DIMTR
Diva DVCL-153P Skylark CTCL-153P Nova N-600 NovaT NT-600 Skylark S-600 Ariadni AY-600P Nova NTLV-600 Nova NLV-600	Maestro MRF2-6ND NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	Homeworks HW/LP-RPM-4A-120 PHPM-PA Graphic Eye QS Radio RA2 RRD-10ND PHPM-PA ELV1-1000

INSTALLATION

- Socket adapter removes from module, allowing installation to be quick and easy. Simply screw in the adapter and plug in the module. Turning off the entire module is not required.
- Utilizes industry standard friction blades, installs in most 4" incandescent down lights. Insert friction blades into can and press trim to ceiling.

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The Elite **LED Module** has been engineered for new construction where Title-24's 'No Edison Socket" mandate has been initiated. A dedicated housing installs the same as any other Elite Lighting product and features our adjustable, lockable and tiltable nail bars. The **LED Module** can also be installed into most 4" incandescent downlights by using our unique Edison adapter.
Over 650 usable lumens are directed from the luminaire to the work surface. Lighting is smooth and comfortable, all while using 75% less energy than the equivalent 50W BR20 and 25% less than the common 13W CFL. Plus the Elite **LED Module** features 50,000hrs of life, and California Title-24 compliance.

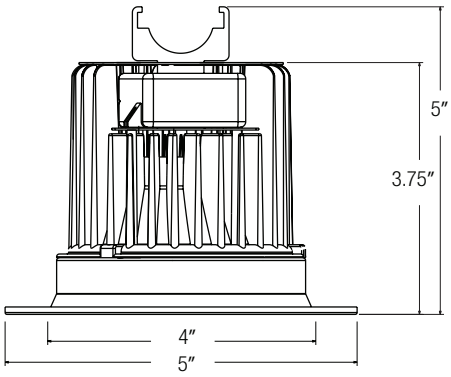
INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS
120/277	50/60Hz	83mA/36mA	<20%	>0.9	10W(+/-5%)	650

FEATURES

Greater light output than a 13W CFL or a 50W BR20 while consuming less than 10W of power.

OPTICS

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 650 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution. The reflector also offers the benefits of a smooth integrated light with glare reduction at a 55 degree cut-off, which minimizes brightness. Optic combinations available in Baffle, Reflector, and Wall Wash options to fit any lighting application.



DURABILITY

Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Without proper heat management, any LED luminaire will fail. Our die-cast system pulls the heat from the LED chip, allowing the continued cool operation for years. Life tests have shown the Elite **LED Module** light output will be maintained at 70% of initial at 50,000 hours of operation. Our superior design allows for installation in construction that requires the Elite Air-Shut™ system. Our LED driver is rated for 50 to 60 Htz at 120V input, produces less than 10% THD, has a power factor between 0.90 and 1.00 and is thermal protected for additional safety.

REPEATABLE

Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the Elite LED Module is engineered for quality. All Elite LED luminaries are rated at 85+ and 90+ CRI and 27K, 30K, 35K, 40K and 50K, as rated and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light.

DIMMABLE

The Elite **LED Module** system is fully dimmable down to 10% of initial light output with a Triac dimmer when ordered with the following options (DIMTR-120). Dimmer control must have same AC input rating as the dimmable power supply driver it connects to. Other electronic low voltage dimmers may be compatible, but have not been tested by Elite LED Lighting.

INTERCHANGEABLE

The Elite **LED Module** system works in our dedicated (LD4IC-AT, LD4-AT, LD4R-AT) housings and our existing 4" incandescent housings (or standard B4IC-AT, B4-AT and B4R-AT) but is also suitable for use in most 4" recessed downlight housing.

ADAPTABLE

All Elite **LED Module** luminaries are shipped standard with our custom engineered Edison adapter. This adapter assembly allows the luminaries to install directly into existing Elite 4" downlight housings and most other 4" downlight housings.

OUR WORD

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

INSTALLATION

- Socket adapter removes from module, allowing installation to be quick and easy. Simply screw in the adapter and plug in the module. Turning off the entire module is not required.
- Utilizes industry standard friction blades, installs in most 4" incandescent down lights. Insert friction blades into can and press trim to ceiling.

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CERTIFICATIONS

- cULus
- RoHS
- IECC
- New York state
- Made in USA
- UL/cUL Listed for Wet
- UL/cUL Listed for Damp Location
- California Title 24
- Washington state
- LM79/LM80

R20 Lamp

RL4 LED Retrofit Series

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.

Lumens may vary based on the trim colors. See IES files for output lumens of each.

Example: **RL430-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL430 (BAFFLE)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ W-WH ❑ P-WH ❑ SN-SN	❑ CP-CP ❑ BZ-BZ ❑ P-BK	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL411-650L-DIMTR-120-90-30K-W-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL411 (BAFFLE WALL WASH)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ W-W-WH ❑ P-W-WH ❑ SN-SN-WH	❑ CP-CP-WH ❑ BZ-BZ-WH ❑ P-BK-WH	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL407-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL407 (REFLECTOR)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ CL-WH ❑ W-WH ❑ BZ-BZ ❑ SN-SN ❑ RG-WH	❑ MB-WH ❑ CL-CH ❑ CP-CP ❑ RG-PB ❑ MB-BK	❑ GU24SA GU24 SOCKET ADAPTER

Example: **RL422-650L-DIMTR-120-90-30K-W-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL422 (REFLECTOR WALL WASH)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ CL-W-WH ❑ W-W-WH ❑ BZ-BZ-WH ❑ SN-SN-WH ❑ RG-W-WH	❑ MB-W-WH ❑ CL-CH-WH ❑ CP-CP-WH ❑ RG-PB-WH ❑ MB-BK-WH	❑ GU24SA GU24 SOCKET ADAPTER

*RECOMMENDED DIMMERS FOR ELITE -RL430

LUTRON DIMMERS		LUTRON CONTROL SYSTEM	LEVITON DIMMERS
DIMTR		DIMTR	DIMTR
Diva DVCL-153P Skylark CTCL-153P Nova N-600 NovaT NT-600 Skylark S-600 Ariadni AY-600P Nova NTLV-600 Nova NLV-600	Maestro MRF2-6ND NovaT NTELV-600 Diva DVELV-300P Skylark SELV-300P Nova NELV-450	Homeworks HW/LP-RPM-4A-120 PHPM-PA Graphic Eye QS Radio RA2 RRD-10ND PHPM-PA ELV1-1000	IllumaTech IPE04 Sureslide 6633 Acenti Vizia+

Ordering Guide for Compatible Housing

RL430-650L-DIMTR-120	Page	RL430-650L-277 (Non Dimmable)	Page
LD4IC-AT-DIMTR-120	354	LD4IC-AT-120	354
LD4RIC-AT-DIMTR-120	357	LD4RIC-AT-277	357
LD4-AT-DIMTR-120	355	LD4-AT-277	355
LD4R-AT-DIMTR-120	356	LD4R-AT-277	356
HLD4IC-AT-DIMTR-120	173	HLD4IC-AT-277	173
HLD4-AT-DIMTR-120	172	HLD4-AT-277	172
HLD4R-AT-DIMTR-120	174	HLD4R-AT277	174
B4IC-AT	850	B4IC-AT	850
B4-AT	850	B4-AT	850
B4R-AT	851	B4R-AT	851

UNIQUELY ENGINEERED FOR NEW AND EXISTING CONSTRUCTION

The Elite **LED Module** has been engineered for new construction where Title-24's 'No Edison Socket" mandate has been initiated. A dedicated housing installs the same as any other Elite Lighting product and features our adjustable, lockable and tiltable nail bars. The **LED Module** can also be installed into most 4" incandescent downlights by using our unique Edison adapter.
Over 650 usable lumens are directed from the luminaire to the work surface. Lighting is smooth and comfortable, all while using 75% less energy than the equivalent 50W BR20 and 25% less than the common 13W CFL. Plus the Elite **LED Module** features 50,000hrs of life, and California Title-24 compliance.

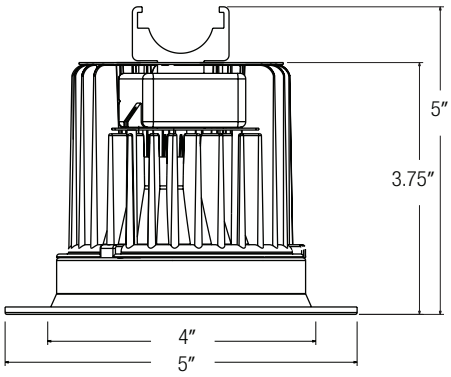
INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS
120/277	50/60Hz	83mA/36mA	<20%	>0.9	10W(+/-5%)	650

FEATURES

Greater light output than a 13W CFL or a 50W BR20 while consuming less than 10W of power.

OPTICS

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 650 lumens! Our meticulously crafted optics gather the light scattered by the LED chip and shape it into a functional beam with uniform light distribution. The reflector also offers the benefits of a smooth integrated light with glare reduction at a 55 degree cut-off, which minimizes brightness. Optic combinations available in Baffle, Reflector, and Wall Wash options to fit any lighting application.



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OUR WORD

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R20 Lamp

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Lumens may vary based on the trim colors. See IES files for output lumens of each.

Example: **RL430-650L-DIMTR-120-90-30K-W-WH**

TYPE	650L SERIES	CCT		CRI	FINISH		OPTION
RL430 (BAFFLE)	❑ 650L-DIMTR-120 ❑ 650L-277 (non dimmable)	❑ 27K ❑ 30K ❑ 35K	❑ 40K ❑ 50K (CRI 85+ ONLY)	❑ 85+ ❑ 90+	❑ W-WH ❑ P-WH ❑ SN-SN	❑ CP-CP ❑ BZ-BZ ❑ P-BK	❑ GU24SA GU24 SOCKET ADAPTER

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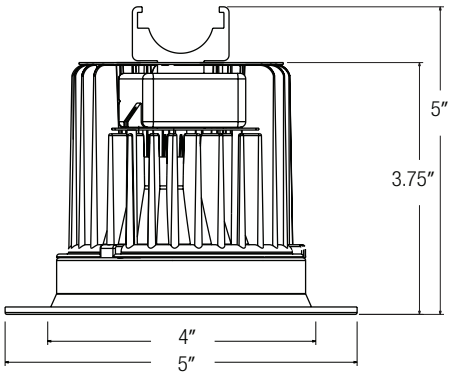

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