

# LED2-3 3" NEW CONSTRUCTION NON-IC LED DOWNLIGHT



**500  
LUMENS**

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	55mA/20mA	8W(+/-5%)	<20%	>0.9	500

**DESCRIPTION** - 3" LED dedicated New Construction NON-IC housing with the driver installed on the junction box. Designed for New Construction installations and suitable for use in ceilings where insulation is kept 3 inches from housing. The excellent color rendering index of 85+ and realistic color temperature confirms that the Elite LED luminaires are ideally suited for use in hospitality, health care, commercial, retail and residential applications. Producing over 500 usable lumens, the lighting is smooth and comfortable while using nearly 80% less energy than the equivalent 50W BR20/PAR20 or MR16. Plus the eco-friendly Elite LED system features 70% lumen maintenance at 72,000 hours life.

**FEATURES** - Greater light output than a 50W BR20/PAR20 or MR16.

**DURABILITY** - Our die-cast system pulls the heat from the LED chip, allowing continued cool operation for years. Life tests have shown the 6 watt Elite LED output will be maintained at 70% of initial lumens at 72,000 hours of operation.

**DRIVER** - Our LED driver is rated for 50 to 60 Hz, produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermally protected for additional safety. Elite LED driver is installed on the junction box cover, it is easily accessible for service from below the ceiling. Additionally, a 277V option is available.

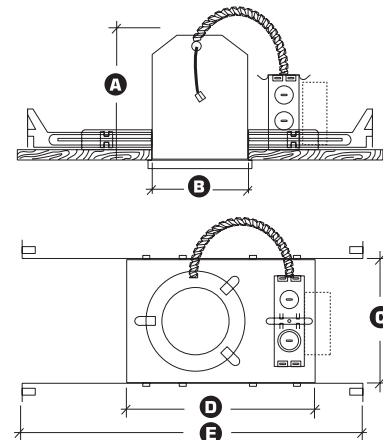
**DIMMABLE** - The Elite LED system is fully dimmable down to 10% of initial light output with a Triac & Electronic Low Voltage dimmer when ordered with the following option (DIMTR-120). Applications requiring 277V are not dimmable. Consult Factory for details.

**BAR HANGERS** - Preinstalled bar hangers allow housing to be positioned and locked at any point within a 24" joist span. They can be positioned on either the long or short axis of the housing and can be shortened for 12" joists. They contain a double-headed real nail for secure attachment into the joist. Bar hanger nails are installed on a 20° downward angle for better contact, and the 90° pivoting mounting plate makes installation fast and accurate. Bar hangers can fit onto T-Bar spline with additional slots and holes for special mounting methods if necessary.

**JUNCTION BOX** - UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with integral strain clamps, all knockouts have true pry-out slots. J-box is designed for straight through conduit runs. Driver is installed on the junction box cover so it may be serviced from below the ceiling.

**REPEATABLE** - Our superior design allows for installation in construction that requires the Elite LED Air-Shut™ system. All Elite LED luminaires are rated at 90+ CRI and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards.

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



- A** Height = 5-1/2"
- B** Cut-out = 3-3/4"
- C** Width = 5-1/2"
- D** Length = 8"
- E** Bar Hanger = 12"-24"



**HOUSING** - Die-formed aluminum and galvanized steel for maximum heat dissipation and rust protection. Housing adjusts vertically in plaster frame to accommodate 1/2" to 1-3/8" thick ceiling. Designed for new construction installations and is suitable for use in ceilings where insulation is kept 3 inches from housing. May be installed in 2" x 6" joist construction.

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

## LISTING

c-UL-us - listed for Damp location.

c-UL-us - listed for feed Through Wiring.

LM79 / LM80

Covered by U.S. Patent Number: 7717390B1

## DIMMING INFORMATION

DIMTR (Triac & Electronic Low Voltage Dimming)

LUTH (Lutron Dimming)

**Please see page 410-411 for Trim Options**

Example: LED2-3-500L-DIMTR-120-AT/LED2-1301-500L-ND-35K-W-WH

HOUSING TYPE	TYPE	600L SERIES	AIR-SHUT
LED2-3		<input type="checkbox"/> 500L-DIMTR-120 <input type="checkbox"/> 500L-LUTH-277 <input type="checkbox"/> 500L-LUTH-120 <input type="checkbox"/> 500L-DIM10-MVOLT	AT

TRIM	TRIM TYPE	SERIES	OPTICS	CCT	CRI	FINISH
	<input type="checkbox"/> LED2-1362 (Lensed)	<input type="checkbox"/> 500L	<input type="checkbox"/> MD (Medium)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CP <input type="checkbox"/> SN <input type="checkbox"/> WH <input type="checkbox"/> BK <input type="checkbox"/> BZ <input type="checkbox"/> CH
	<input type="checkbox"/> LED2-1301 (Baffle)		<input type="checkbox"/> ND (Narrow)	<input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI Only)		<input type="checkbox"/> W-WH <input type="checkbox"/> P-BK <input type="checkbox"/> P-WH <input type="checkbox"/> CP-CP <input type="checkbox"/> SN-SN <input type="checkbox"/> BZ-BZ
	<input type="checkbox"/> LED2-1302 (Reflector)	<input type="checkbox"/> 500L	<input type="checkbox"/> ND (Narrow)		<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CL-WH <input type="checkbox"/> MB-WH <input type="checkbox"/> W-WH <input type="checkbox"/> CL-CH <input type="checkbox"/> BZ-BZ <input type="checkbox"/> CP-CP <input type="checkbox"/> RG-WH <input type="checkbox"/> CP-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> MB-BK <input type="checkbox"/> CL-SN <input type="checkbox"/> SN-WH

Gather the light scattered by the LED chip, shape it into a functional beam with a glare reducing cone that has a 55-degree cut-off. Now you have the Elite engineered, superior quality, 3" architectural LED downlight; consuming 6 Watts and producing over 500 lumens.

Among the trim options are: white, black, Copper, Bronze or satin nickel architectural low glare baffle with a variety of trim ring color options. Die-cast aluminum trim and integral heat management system are engineered for extremely long life and service period.

The heat sink extrusion is made from 3001 aluminum and is engineered to be in intimate contact with the die-cast trim. The cast trim has been designed to maximize reflective surface areas while keeping effective heat dissipation a priority.

As technology improves or the needs of a space changes, the Elite architectural 3" LED trim can be upgraded. Simply pull it down from the housing and unplug the quick EZ-disconnect. Putting in a new trim is just as easy and there is no danger of electrical shock. The EZ-connect system eliminates incidental contact and the system is powered by less than 12 volts.

## BAFFLE WITH NARROW LIGHT DISTRIBUTION

### COVERED BY U.S. PATENT NUMBERS: D646011S



LED2-1301-500L-ND-**A**-P-BK

Photometric Multiplier .75



LED2-1301-500L-ND-**A**-BZ-BZ

Photometric Multiplier .85

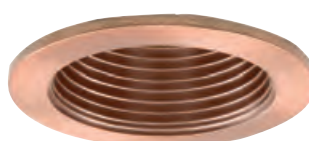


LED2-1301-500L-ND-**A**-W-WH

Photometric Multiplier 1.0



LED2-1301-500L-ND-**A**-SN-SN



LED2-1301-500L-ND-**A**-CP-CP

Photometric Multiplier .87



LED2-1301-500L-ND-**A**-P-WH

Photometric Multiplier .75

Example: LED2-1301-500L-ND-30K-W-WH

TYPE	500L SERIES	OPTICS	(A) CCT	CRI	FINISH
LED2-1301	<input type="checkbox"/> 500L	<input type="checkbox"/> ND (Narrow)	<input type="checkbox"/> 27K <input type="checkbox"/> 40K <input type="checkbox"/> 30K <input type="checkbox"/> 50K <input type="checkbox"/> 35K (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> W-WH <input type="checkbox"/> CP-CP <input type="checkbox"/> P-WH <input type="checkbox"/> BZ-BZ <input type="checkbox"/> SN-SN <input type="checkbox"/> P-BK

#### BAFFLE FINISH:

#### TRIM/RING FINISH:



**BZ**  
BRONZE



**CP**  
COPPER



**SN**  
SATIN  
NICKEL



**WH**  
WHITE



**P**  
BLACK



**BK**  
BLACK



**WH**  
WHITE



**CH**  
CHROME



**PB**  
POLISH  
BRASS



**SN**  
SATIN  
NICKEL



**CP**  
COPPER

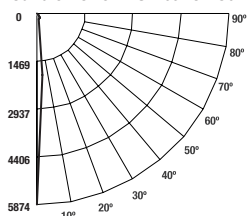


**BZ**  
BRONZE

### THE MOST UP TO DATE PHOTOMETRIC DATA IS AVAILABLE ONLINE @ [WWW.IUSEELITE.COM](http://WWW.IUSEELITE.COM)

TRIM: LED2-1301-500L-ND-50K-W-WH  
TEST NO.: ELT-LED2-1301-0300  
LUMENS: **510.7**  
SPACING CRITERIA: **0.14**

Candle Power Distribution Curve (Candela)



Candela Distribution

	0
0	5874
5	1904
15	173
25	151
35	138
45	83
55	3
65	3
75	3
85	3
90	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	324.3	66.6%	66.6%
0-40	410.8	84.4%	84.4%
0-60	477.7	98.1%	98.1%
0-90	487.0	100%	100%

## REFLECTOR WITH NARROW LIGHT DISTRIBUTION



**LED2-1302-500L-ND-A-CL-WH**  
Photometric Multiplier 1.0



**LED2-1302-500L-ND-A-CP-WH**  
Photometric Multiplier .90



**LED2-1302-500L-ND-A-SN-WH**  
Photometric Multiplier .87



**LED2-1302-500L-ND-A-CL-CH**  
Photometric Multiplier 1.0



**LED2-1302-500L-ND-A-CP-CP**  
Photometric Multiplier .90



**LED2-1302-500L-ND-A-SN-SN**  
Photometric Multiplier .87



**LED2-1302-500L-ND-A-MB-WH**  
Photometric Multiplier .77



**LED2-1302-500L-ND-A-BZ-BZ**  
Photometric Multiplier .87



**LED2-1302-500L-ND-A-RG-WH**  
Photometric Multiplier .90



**LED2-1302-500L-ND-A-MB-BK**  
Photometric Multiplier .77



**LED2-1302-500L-ND-A-W-WH**  
Photometric Multiplier .95



**LED2-1362-500L-MD-A-B**



Example: **LED2-1302-8W-ND-30K-W-WH**

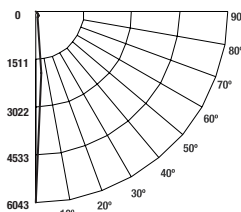
TYPE	500L SERIES	OPTICS	(A) CCT	CRI	FINISH
LED2-1302	<input type="checkbox"/> 500L	<input type="checkbox"/> ND (Narrow)	<input type="checkbox"/> 27K <input type="checkbox"/> 40K <input type="checkbox"/> 30K <input type="checkbox"/> 50K <input type="checkbox"/> 35K    (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CL-WH <input type="checkbox"/> SN-WH <input type="checkbox"/> CP-CP <input type="checkbox"/> CP-WH <input type="checkbox"/> RG-WH <input type="checkbox"/> MB-BK <input type="checkbox"/> W-WH <input type="checkbox"/> MB-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> BZ-BZ <input type="checkbox"/> CL-CH

TYPE	500L SERIES	OPTICS	(A) CCT	CRI	(B) FINISH
LED2-1362	<input type="checkbox"/> 500L	<input type="checkbox"/> MD (Medium)	<input type="checkbox"/> 27K <input type="checkbox"/> 40K <input type="checkbox"/> 30K <input type="checkbox"/> 50K <input type="checkbox"/> 35K    (85+ CRI ONLY)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> CP <input type="checkbox"/> BZ <input type="checkbox"/> BK <input type="checkbox"/> WH <input type="checkbox"/> SN <input type="checkbox"/> CH

THE MOST UP TO DATE PHOTOMETRIC DATA IS AVAILABLE ONLINE @ [WWW.IUSEELITE.COM](http://WWW.IUSEELITE.COM)

TRIM: **LED-1302-500L-ND-50K-CL-WH**  
TEST NO.: **ELT-LED2-1302-0315**  
LUMENS: **545.6**  
SPACING CRITERIA: **.14**

Candle Power Distribution Curve (Candela)



Candela Distribution

	Q
0	6043
5	1982
15	190
25	167
35	149
45	91
55	5
65	3
75	3
85	2
90	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	344.6	66.1%	66.1%
0-40	438.1	84.1%	84.1%
0-60	513.0	98.4%	98.4%
0-90	521.1	100%	100%