B6IC-LED 6" NEW CONSTRUCTION IC LED HOUSING

elite LED LIGHTING

NEW

IC RATED

900 LUMENS
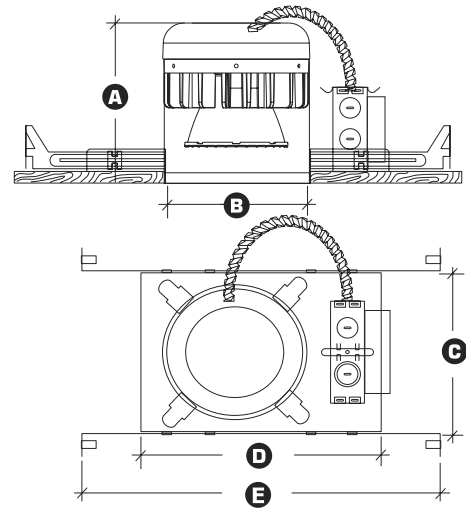
Ⓐ Height = 7-1/4"
Ⓑ Cut-out = 6-1/2"
Ⓒ Width = 7"
Ⓓ Length = 10"
Ⓔ Bar Hanger = 12"-24"

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	150mA/65mA	18W(+/-5%)	<20%	>0.9	900
120/277	50/60Hz	116mA/50mA	14W(+/-5%)	<20%	>0.9	675

DESCRIPTION - 6" LED dedicated New Construction IC housing with integral LED heat management casting and driver (installed on junction box). Designed for new construction installations and suitable for use in insulation covered or non-insulation covered ceilings. Consumes less than 14 Watts and produces over 675 usable lumens and 18 Watts produce over 900 lumens. Lighting is smooth and comfortable while using 75% less energy than the equivalent 65W BR30 & 75W BR30 and 25% less than the common 18W & 26W CFL luminaire. Plus, the eco-friendly Elite LED system features 70% lumen maintenance at 50,000 hours life, with Energy Star and California Title-24 (compliances pending).

FEATURES - Greater light output than an 18W & 26W CFL or a 65W BR30 & 75W BR30 while consuming less than 14W & 18W of power. Elite LED luminaires are ideally suited for use in hospitality, health care, commercial, retail and residential applications.

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OPTICS - Anyone can mount a chip to a heat sink and make a downlight. Gather the light scattered by the LED chip, shape it into a functional beam with state of the art reflectors, integrate the light through a smooth lens to minimize brightness, then top it all of with a glare reducing cone that has a 55-degree cut-off. Now you have the Elite engineered, superior quality, light engine; consuming less than 14 Watts and 18 Watts producing over 675 & 900 lumens.

DURABILITY - Die-cast aluminum heat management system is engineered for extremely long life and service period. Heat sink is attached to top of housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Life tests have shown the Elite light engine output will be maintained at 70% of initial at 50,000 hours of operation. 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's driver is installed on the junction box cover so it may be serviced from below the ceiling.

REPEATABLE - All Elite LED luminaries are rated at 85+ CRI as rated and tested to LM-79 and LM-80 standards by a certified laboratory. California Title-24-2008 and Energy Star compliance are standard.

DIMMABLE - The Elite LED system is fully dimmable down to 10% of initial light output with a 0-10 Volt dimmer when ordered with the following options (DIM10-120, DIM10-277). Fixtures can be shipped with a Lutron Hi-lume A series Driver which can be dimmed with Lutron Dimming Systems when ordered with the following options (120-LUTH, 277-LUTH). Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). Consult Factory for details.

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. Housing is IC rated for direct contact with insulation and can be used in IC and NON-IC applications. May be installed in 2" x 8" joist construction.

JUNCTION BOX - UL Listed for through-branch circuit wiring, provided with four ½" knockouts, one ¾" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs. Driver is installed on the junction box cover so it may be serviced from below the ceiling.

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

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 20º downward angle for better contact, and the 90º 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.

OUR WORD - The Elite LED lighting system is warranted for 3 years. As a system, we stand behind the entire Elite products from housing to bar hangers.

LISTING
c-UL-us / c-ETL-us - listed for Damp location
c-UL-us / c-ETL-us - listed for feed Through Wiring
c-UL-us / c-ETL-us - listed for Direct Contact With Insulation
LM79 / LM80
Covered by U.S. Patent Numbers: D6423175S, 7717390B1, D615239S

DIMMING INFORMATION
DIMTR (Triac & Electronic Low Voltage Dimming)
DIM10 (0-10V Dimming)
LUTH (Lutron® Hi-lume® Dimming)

ITEM SELECTOR: Example: **B6IC-LED-14W-DIM10-120-FL-30K-AT-L631-W-WH**

TYPE	675 LUMENS	900 LUMENS	OPTICS	COLOR	AIR-SHUT	EMERGENCY	TRIM				BAFFLE	REFLECTOR	TRIM/RING
B6IC-LED	❏ 14W-DIMTR-120	❏ 18W-LUTH-120	❏ FL	❏ 27K	❏ AT	❏ EMG	❏ L631	❏ L635	❏ L652	❏ L687	❏ W	❏ BZ	❏ BK
	❏ 14W-LUTH-120	❏ 18W-LUTH-277	(Flood-	❏ 30K			❏ L607	❏ L636	❏ L612	❏ L681	❏ P	❏ CL	❏ WH
	❏ 14W-LUTH-277	❏ 18W-DIM10-120	Standard)	❏ 35K			❏ L611	❏ L657	❏ L645	❏ L688	❏ SN	❏ CP	❏ CH
	❏ 14W-DIM10-120	❏ 18W-DIM10-277		❏ 40K			❏ L622	❏ L659	❏ L601	❏ L685	❏ CP	❏ RG	❏ PB
	❏ 14W-DIM10-277			❏ 50K			❏ L656	❏ L658	❏ L601L	❏ L680	❏ BZ	❏ MB	❏ SN
							❏ L676	❏ L641	❏ L605	❏ L689		❏ W	❏ CP
							❏ L675	❏ L642	❏ L605L	❏ L682		❏ SN	❏ BZ
												❏ SHZ	

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ALL PRODUCTS ARE U.S. AND FOREIGN PATENT PENDING

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L631W-WH - PHENOLIC STEPPED BAFFLE

BAFFLE FINISH:
W - WHITE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L631P-BK - PHENOLIC STEPPED BAFFLE

BAFFLE FINISH:
P - BLACK
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L631SN-SN - METAL STEPPED BAFFLE

BAFFLE FINISH:
SN - SATIN NICKEL
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L631CP-CP - METAL STEPPED BAFFLE

BAFFLE FINISH:
CP - COPPER
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L631BZ-BZ - METAL STEPPED BAFFLE

BAFFLE FINISH:
BZ - BRONZE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607CL-WH - REFLECTOR

REFLECTOR FINISH:
CL - CLEAR (CHROME)
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607MB-WH - REFLECTOR

REFLECTOR FINISH:
MB - BLACK
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607RG-WH - REFLECTOR

REFLECTOR FINISH:
RG - GOLD
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607W-WH - REFLECTOR

REFLECTOR FINISH:
W - WHITE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607CP-CP - REFLECTOR

REFLECTOR FINISH:
CP - COPPER
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607SN-SN - REFLECTOR

REFLECTOR FINISH:
SN - STAIN NICKEL
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607BZ-BZ - REFLECTOR

REFLECTOR FINISH:
BZ - BRONZE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L607SHZ-WH - REFLECTOR

REFLECTOR FINISH:
SHZ - SATIN HAZE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L611W-WH - BAFFLE WALL WASH

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
WH

L676W-WH - BAFFLE W/ FROSTED LENS

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L635W-WH - BAFFLE W/ ALBALITE LENS

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L636W-WH - BAFFLE W/ FRESNEL LENS

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L656W-WH - BAFFLE W/ FROSTED DOME LENS

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

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L675W-WH - BAFFLE W/ PRISMATIC LENS

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L657CL-WH - REFLECTOR W/ FROSTED DOME LENS

REFLECTOR FINISH:
CL, MB, RG, W, CP, SN
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L659CL-WH - REFLECTOR W/ FROSTED LENS

REFLECTOR FINISH:
CL, MB, RG, W, CP, SN
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L642CL-WH - REFLECTOR W/ FRESNEL LENS

REFLECTOR FINISH:
CL, MB, RG, W, CP, SN
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L658CL-WH - REFLECTOR W/ PRISMATIC LENS

REFLECTOR FINISH:
CL, MB, RG, W, CP, SN
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L641CL-WH - REFLECTOR W/ ALBALITE LENS

REFLECTOR FINISH:
CL, MB, RG, W, CP, SN
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L645WH - DESIGNER POINT LENS

LENS FINISH:
DESIGNER POINT
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L652WH - SMOOTH FROSTED LENS

LENS FINISH:
SMOOTH FROSTED
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L612WH - SMOOTH FROSTED DOME LENS

LENS FINISH:
SMOOTH FROSTED
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L605WH - METAL FRESNEL LENS

LENS FINISH:
FRESNEL - CLEAR
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L605L - WHITE PLASTIC FRESNEL LENS

L606WH - METAL DROP OPAL LENS

LENS FINISH:
DROP OPAL - FROSTED
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L606L - WHITE PLASTIC DROP OPAL LENS

L601WH - METAL ALBALITE LENS

LENS FINISH:
ALBALITE - WHITE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L601L - WHITE PLASTIC ALBALITE LENS

L687CL-WH - SQUARE REFLECTOR

REFLECTOR FINISH:
CL, MB, RG, W, CP, SN
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L688WH - SQUARE ALBALITE LENS

LENS FINISH:
ALBALITE - WHITE
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L685WH - SQUARE FRESNEL LENS

LENS FINISH:
FRESNEL - CLEAR
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L681BZ-WH - SQUARE BAFFLE

BAFFLE FINISH:
BZ, CP, SN, WH, P
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

L680WH - SQUARE DESIGNER POINT LENS

LENS FINISH:
FROSTED
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION

L682WH - SQUARE DESIGNER FROSTED LENS

LENS FINISH:
FROSTED
RING FINISH:
BK, WH, CH, PB, SN, CP, BZ

FOR WET LOCATION