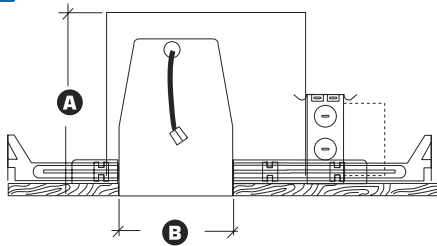
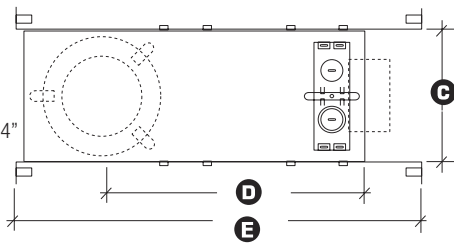


B2IC-LED 2" NEW CONSTRUCTION IC LED DOWNLIGHT



- A** Height = 5-1/2"
- B** Cut-out = 2-3/4"
- C** Width = 6-1/4"
- D** Length = 16-3/4"
- E** Bar Hanger = 12"-24"



**450
LUMENS**

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120	50/60Hz	83mA	10W(+/-5%)	<20%	>0.9	450

DESCRIPTION - 2" LED dedicated New Construction IC housing with Integral heat management system and driver (installed on junction box). Designed for new construction installations and suitable for use in insulation covered ceilings. The excellent color rendering index of 85+ and realistic color temperatures confirm that the Elite LED luminaires are ideally suited for use in hospitality, health care, commercial, retail and residential applications. Consuming 10 watts and producing over 450 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 Lighting LED system features 70% lumen maintenance at 50,000 hours life, qualifying for Title 24 requirements.

FEATURES - Greater light output than a 50W BR20/PAR20 or MR16 while consuming 10 watts of power.



DURABILITY - Without proper heat management, any LED luminaire will fail. Our die-cast system pulls the heat from the LED chip, allowing continued cool operation for years. Life tests have shown the 10 watt Elite LED output will be maintained at 70% of initial lumens at 50,000 hours of operation.

DRIVER - Our LED driver is rated for 50 to 60 Hz at 120v input, produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermally protected for additional safety. Elites driver is installed on the junction box cover, it is easily accessible for serviced 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 and has four 1/2" KO's.

HOUSING - Housing is IC rated for direct contact with insulation. May be installed in 2" x 6" joist construction. Outer Die-formed aluminum construction for maximum head dissipating air chamber on top of the housing. Junction box could be accessed from inside and outside housing. Inner - deep-drawn single piece aluminum construction for maximum heat dissipation and rust protection.

REPEATABLE - Repeatability means quality. From our chip selection process, to our driver, to the thermal management, the 10 watt Elite LED is engineered for quality. Our superior design allows for installation in construction that requires the Elite Air-Shut™ system. All Elite LED luminaires are rated at 85+ CRI and tested to LM-79 and LM-80 standards by a certified laboratory, and meets the California Title-24 compliance standards. Our stringent chip specifications require only those chips that produce no ultra violet and virtually no infrared.

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

OUR WORD - The B2IC-LED eco-friendly Elite LED system is warranted for 3 years.

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 Number: 7717390B1

DIMMING INFORMATION

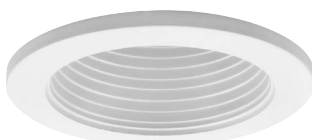
DIMELV (Electronic Low Voltage Dimming)

Please see page 313 for Trim Options

Example: **B2IC-LED-10W-DIMELV-120-AT/L1201-W-WH**

TYPE	450 LUMENS	COLOR	AIR-SHUT
B2IC-LED	<input type="checkbox"/> 10W-DIMELV-120	<input type="checkbox"/> 27K <input type="checkbox"/> 35K <input type="checkbox"/> 50K <input type="checkbox"/> 30K <input type="checkbox"/> 40K	AT <input type="checkbox"/>
TRIM TYPE		FINISH	
<input type="checkbox"/> L1201 (LENSED BAFFLE)	<input type="checkbox"/> W-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> CP-CP <input type="checkbox"/> P-WH <input type="checkbox"/> P-BK <input type="checkbox"/> BZ-BZ		
<input type="checkbox"/> L1202 (LENSED REFLECTOR)	<input type="checkbox"/> CL-WH <input type="checkbox"/> MB-BK <input type="checkbox"/> CP-CP <input type="checkbox"/> SN-SN <input type="checkbox"/> RG-WH <input type="checkbox"/> BZ-BZ <input type="checkbox"/> W-WH <input type="checkbox"/> MB-WH		

BAFFLE



L1201-W-WH

Photometric Multiplier 1.0



L1201-P-WH

Photometric Multiplier .75



L1201-P-BK

Photometric Multiplier .75



L1201-SN-SN

Photometric Multiplier .92



L1201-CP-CP

Photometric Multiplier .87



L1201-BZ-BZ

Photometric Multiplier .85

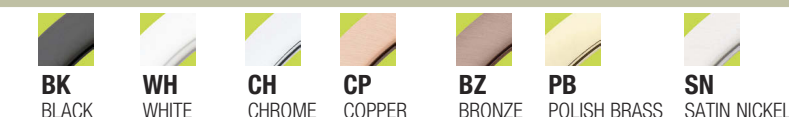
Example: **L1201-W-WH**

TYPE	FINISH	
L1201	<input type="checkbox"/> W-WH <input type="checkbox"/> P-WH <input type="checkbox"/> SN-SN	<input type="checkbox"/> CP-CP <input type="checkbox"/> BZ-BZ <input type="checkbox"/> P-BK

BAFFLE FINISH:



TRIM/RING FINISH:



REFLECTOR



L1202-CL-WH

Photometric Multiplier 1.0



L1202-BZ-BZ

Photometric Multiplier .87



L1202-SN-WH

Photometric Multiplier .87



L1202-CL-CH

Photometric Multiplier 1.0



L1202-CP-CP

Photometric Multiplier .90



L1202-SN-SN

Photometric Multiplier .87



L1202-MB-WH

Photometric Multiplier .77



L1202-MB-BK

Photometric Multiplier .77



L1202-W-WH

Photometric Multiplier .95

Example: **L1202-W-WH**

TYPE	FINISH		
L1202	<input type="checkbox"/> CL-WH <input type="checkbox"/> SN-SN <input type="checkbox"/> W-WH	<input type="checkbox"/> MB-BK <input type="checkbox"/> RG-WH <input type="checkbox"/> MB-WH	<input type="checkbox"/> CP-CP <input type="checkbox"/> BZ-BZ

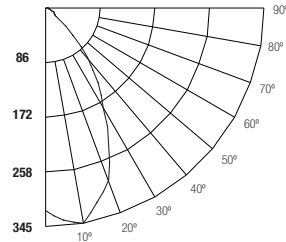
B2/B2IC/B2R-LED-10W-DIMELV-120V-AT-L1201-W-WH

TEST NO.: **ELT-00265**

INPUT WATTS: **10** LUMENS: **367** CRI: **+85** EFFICACY: **33.4** CCT: **4000K**

SPACING CRITERIA: **0.94**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	109.03	29.80	29.70
0-30	206.92	56.50	56.50
0-40	287.00	78.40	78.30
0-60	346.25	94.60	94.50
0-80	364.33	99.50	99.40
0-90	366.50	100.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	4626	4595	4033
55	1903	2230	1566
65	1669	1485	1547
75	1486	1378	1318
85	1489	1351	245

Lumens Per Zone

Zone	Lumens
0-10	29.79
10-20	79.24
20-30	97.89
30-40	80.08
40-50	42.38
50-60	16.87
60-70	11.39
70-80	6.69
80-90	2.18

Candela Tabulation

0	319
5	306
15	272
25	209
35	132
45	59
55	20
65	13
75	7
85	2
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	100	100				
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91	91				
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82				
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75	75				
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	68				
5	88	78	71	66	86	77	71	66	75	69	65	73	68	65	72	67	64	62	62				
6	83	72	65	61	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57				
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53	53				
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49				
9	70	59	52	48	69	58	52	48	57	52	48	56	51	47	55	51	47	46	46				
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43	43				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Distance to Plane	Initial Footcandle at Nadir	Beam diameter
4.0	19.94	9.0'
8.0	4.99	18.1'
12.0	2.22	27.1'
16.0	1.25	36.1'
20.0	0.8	45.1'

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

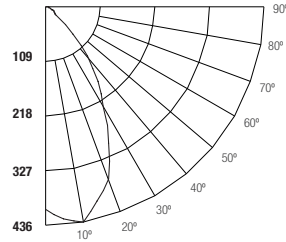
B2/B2IC/B2R-LED-10W-DIMELV-120V-AT-L1202-W-WH

TEST NO.: **ELT-00266**

INPUT WATTS: **10** LUMENS: **396** CRI: **+85** EFFICIENCY: **39.6** CCT: **4000K**

SPACING CRITERIA: **0.92**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	132.35	33.40	33.40
0-30	251.37	63.50	63.40
0-40	338.67	85.60	85.50
0-60	391.92	99.00	98.90
0-80	396.25	100.10	100.00
0-90	396.26	100.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	9462	7247	4356
55	2614	2540	1135
65	1379	760	629
75	0	97	34
85	0	0	0

Lumens Per Zone

Zone	Lumens
0-10	35.70
10-20	96.65
20-30	119.02
30-40	87.30
40-50	41.80
50-60	11.45
60-70	3.94
70-80	0.38
80-90	0.01

Candela Tabulation

0	376
5	413
15	391
25	285
35	166
45	68
55	15
65	6
75	0
85	0
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	100	100				
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93				
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79				
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72				
5	90	81	75	71	89	80	75	70	79	74	70	77	72	69	75	71	68	67	67				
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62				
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57				
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53				
9	73	62	56	52	72	62	56	52	61	56	52	60	55	51	59	55	51	50	50				
10	69	59	53	49	68	58	52	49	58	52	48	57	52	48	56	51	48	47	47				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Distance to Plane	Initial Footcandle at Nadir	Beam diameter
4.0	19.94	9.0'
8.0	4.99	18.1'
12.0	2.22	27.1'
16.0	1.25	36.1'
20.0	0.8	45.1'

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