

# BDL6 COLOR

## BARITONE STATIC COLOR 6" ROUND + SQUARE DOWNLIGHT

PROJECT \_\_\_\_\_ TYPE \_\_\_\_\_

SPECIFIER \_\_\_\_\_ MEMO \_\_\_\_\_

ORDERING CODE BREAKDOWN

### MAIN FEATURES

- Designed for new construction and remodel installations
- Custom TIR optic platform to ensure excellent light control
- Delivering static color light with 3 output levels
- Modular platform with easy maintenance
- Dimming to 1% via Standard Phase-cut or 0-10V or optional 0.1% 0-10V or DALI-2
- Super-shallow installation height of <2.5" and non-conductive baffles



Round and square with (SD/PW)  
Specular Baffle + White Flange



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FIXTURE	MODULE	CEILING THICKNESS	BAFFLE FINISH	FLANGE FINISH	BEAM SPREAD	LEDS	OUTPUT	POWER SUPPLY	INSTALLATION	FIXTURE OPTIONS
BDLR : Round	6 : 6"	1 : 0.50"-1.5"	PW : Perfect White	PW : Perfect White	NSP : Narrow Spot (14°)	RED : Red (630nm)	HI : 20W	UNV : 120-277V, 1% phase-cut/0-10V	NCT : New Construction Tray with Field installed Standard Hangar Bars	CASPC <sup>1</sup> : Casambi Wireless Phase-cut Node
BDLS : Square			BK : Black	BK : Black	NFL : Narrow Flood (25°)	AMB : Amber (610nm)	MID : 15W	UDA : 120-277V, 0.1% Logarithmic DALI-2/D4i (DT8 standard; for DT6, add option)	NCC : New Construction Tray with Field installed Commercial Hangar Bars with mounting brackets for vertical adjustment	CAS10 <sup>1</sup> : Casambi Wireless 0-10V Node
			SD : Semi-diffused	SD : Semi-diffused	FL : Flood (43°)	GRN : Green (515nm)	LO : 10W	UN1 : 120-277V 0.1% Logarithmic 0-10V	RM : Remodel	CAS <sup>1</sup> : Casambi Wireless DALI-2 Node
					WFL : Wide Flood (63°)	BLU : Blue (465nm)		DMX : 120-277V 0.1% DMX (Incompatible with wireless nodes)	RMCP : Remodel with Chicago Plenum wiring Box	AWNR <sup>1</sup> : Lutron Athena Wireless DALI-2 Node
						VIO : Violet (405nm)				LEV <sup>1</sup> : Leviton Intellect DALI-2 Node
										WAT <sup>1</sup> : Wattstopper/ Encelium Wireless DALI-2 Node
										DT6 : DALI DT6 (For use with UDA only)

Notes: <sup>1</sup> Wireless Node Compatibility: CASPC only with UNV; CAS10 only with UNV + UN1; and CAS, AWRN, LEV, WAT with UDA power supply only.

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### OPTICS + PERFORMANCE

- WFL Wide Flood - 60°
- Performance packages
  - HI : 20W
  - MID : 15W
  - LO : 10W
- Color Options
  - Red : 630nm
  - Amber : 610nm
  - Green : 515nm
  - Blue : 465nm
  - Violet : 405nm
- Fixture life:
  - Full power: 50,000 hours
  - 75% power: 100,000 hours
  - Below 50% power: 125,000 hours
  - LED 90% lumen maintenance: 60,000 hours

### POWER + CONTROLS

- Universal Input: 120-277V
- Proprietary Solais driver dimming
  - UNV: Linear 1% Phase-cut or 0-10V
  - UDA: Logarithmic 0.1% DALI-2 D4i DT8; DT6 option
  - UN1: Logarithmic 0.1% 0-10V
  - DMX: Logarithmic 0.1% DMX
- Casambi, Lutron, Leviton, and Wattstopper wireless controls available

### CONSTRUCTION + FINISH

- Weight 4.25 lbs.
- Galvanized steel tray
- Single-piece die-cast aluminum heatsink powder-coated with polyester powder
- Non-conductive baffles
- "Dead front" with semi-diffused specular baffle AND flange (SD/SD)

### TRIM + BAFFLE OFFERINGS

- Ceilings: gypsum, wood, t-bar, specialty, other
- Ceiling Thicknesses: ½" - 1 ½"
- Standard baffle + flange colors (*CF for custom*):
  - White: RAL 9003    ▪ Black: RAL 9005
- Semi-diffused Specular (*semi-diffused specular flange only available with semi-diffused specular baffle*)

### RATINGS + CERTIFICATIONS

- IC rated
- ETL listed; conforming to UL safety standards
- Wet location rated; approved for use in showers and outdoors with covered canopy
- Contain no lead or mercury
- Intended for normal ambient temperature applications. Consult factory for elevated temperatures or humidity (e.g. steam, hot yoga, etc.)

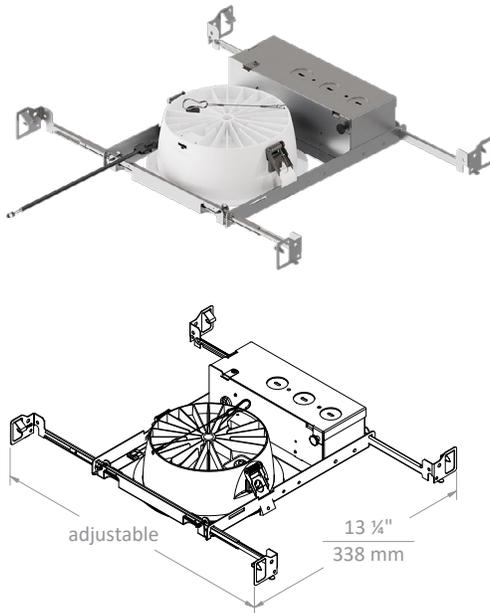
### WARRANTY

- 5-year warranty

## HANGING BARS DIMENSIONAL DETAILS

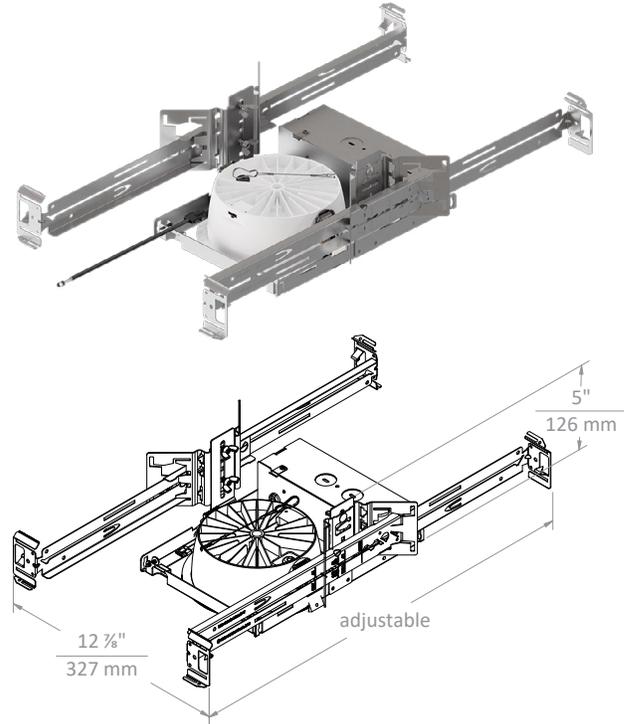
### Standard Hanging Bars (NCT)

- NCT (5.7 lbs.)
- Standard mounting brackets: 14" Minimum to 24" Maximum



### Commercial Hanging Bars (NCC)

- NCC (7.2 lbs.)
- Commercial mounting brackets: 10" Minimum to 24" Maximum with 2 3/4" vertical adjustment



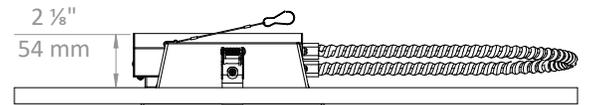
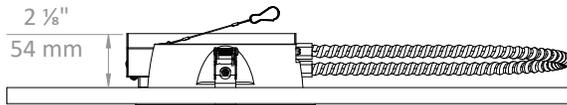
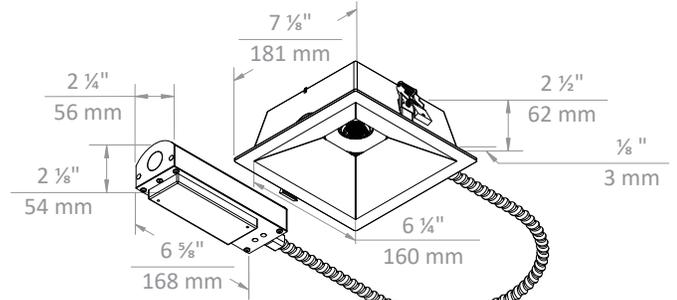
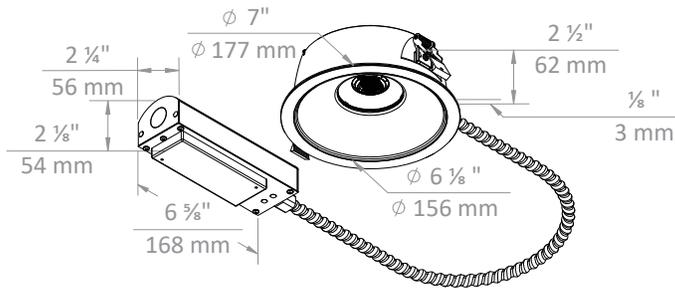
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#### REMODEL CHICAGO PLENUM (RMCP)

▪ Round Ceiling Cutout:  $\varnothing 6 \frac{3}{8}$ "

▪ Square Ceiling Cutout:  $6 \frac{1}{2}$ " x  $6 \frac{1}{2}$ "



#### BAFFLE + FLANGE DETAIL

Semi-Diffused Specular Baffle + Perfect White Flange (SD/PW)

Perfect White Baffle + Flange (PW/PW)

Black Baffle + Flange (BK/BK)

Black Baffle + Perfect White Flange (BK/PW)

Semi-Diffused Specular Baffle + Flange (SD/SD)

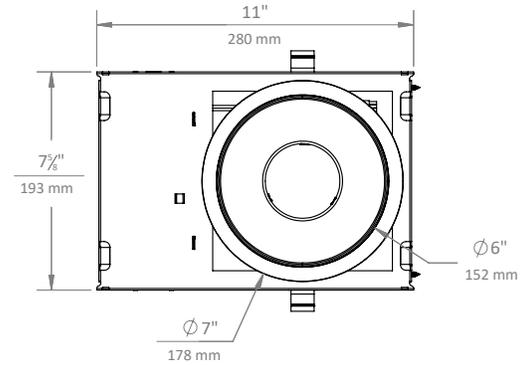
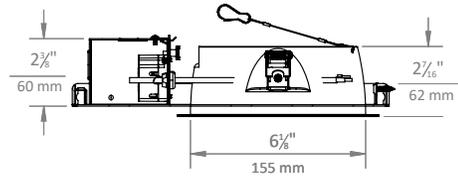


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#### ROUND BDLR4 - NCT : NEW CONSTRUCTION TRAY

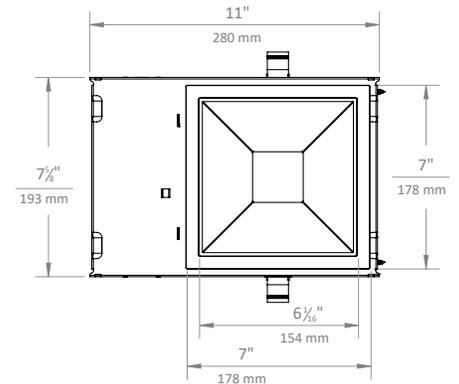
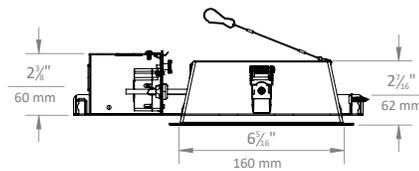
Ceiling Cutout : 6 3/8" Diameter



#### SQUARE BDLS4 - NCT : NEW CONSTRUCTION TRAY

Ceiling Cutout : 6 1/2" x 6 1/2"

Up to 2500 lm



- NCT Standard mounting brackets: 14" Minimum to 24" Maximum
- NCC Commercial mounting brackets: 10" Minimum to 24" Maximum with 2 3/4" vertical adjustment

PROJECT	TYPE
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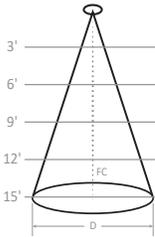
PHOTOMETRIC DETAILS | **baseline X output multiplier = final output**

Baseline data shown below for 20W, WFL

**RED - 63° Wide Flood**

Input Power: 19.4 W  
 Lumens: 850 lm  
 Efficacy: 44 lm/W  
 CBCP: 776 cd  
 Beam Angle: 61.0°  
 Field Angle: 103.8°  
 Spacing Criteria: 1.18

∠	0°	45°	90°
0°	775	775	775
5°	763	761	763
10°	730	734	729
15°	680	680	673
20°	607	606	598
25°	506	509	499
30°	412	407	400
35°	313	306	301
40°	220	217	212
45°	146	146	143



3'	3.53' D; 86 FC
6'	7.07' D; 22 FC
9'	10.60' D; 10 FC
12'	14.14' D; 5 FC
15'	17.67' D; 3 FC

**AMB - 60° Wide Flood**

Input Power: 20.1 W  
 Lumens: 557 lm  
 Efficacy: 28 lm/W  
 CBCP: 519 cd  
 Beam Angle: 60.4°  
 Field Angle: 102.9°  
 Spacing Criteria: 1.16

∠	0°	45°	90°
0°	519	519	519
5°	511	508	503
10°	486	485	477
15°	455	448	438
20°	404	396	385
25°	339	331	318
30°	275	265	254
35°	207	197	188
40°	144	138	129
45°	96	92	86

3'	3.49' D; 58 FC
6'	6.98' D; 14 FC
9'	10.48' D; 6 FC
12'	13.97' D; 4 FC
15'	17.46' D; 2 FC

**GRN - 62° Wide Flood**

Input Power: 18.4 W  
 Lumens: 1206 lm  
 Efficacy: 65 lm/W  
 CBCP: 1054 cd  
 Beam Angle: 62.4°  
 Field Angle: 105.7°  
 Spacing Criteria: 1.21

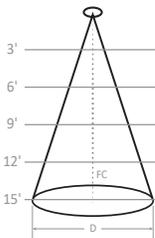
∠	0°	45°	90°
0°	1054	1054	1054
5°	1039	1037	1038
10°	1001	1001	999
15°	933	943	949
20°	831	837	849
25°	694	703	711
30°	554	571	577
35°	418	433	435
40°	291	303	309
45°	194	204	213

3'	3.63' D; 117 FC
6'	7.27' D; 29 FC
9'	10.90' D; 13 FC
12'	14.53' D; 7 FC
15'	18.17' D; 5 FC

**BLU - 63° Wide Flood**

Input Power: 19.7 W  
 Lumens: 293 lm  
 Efficacy: 15 lm/W  
 CBCP: 253 cd  
 Beam Angle: 63.3°  
 Field Angle: 105.5°  
 Spacing Criteria: 1.23

∠	0°	45°	90°
0°	253	253	253
5°	251	250	248
10°	241	241	240
15°	226	227	228
20°	201	203	205
25°	169	172	175
30°	136	140	142
35°	101	106	107
40°	71	75	76
45°	47	50	51



3'	3.70' D; 28 FC
6'	7.40' D; 7 FC
9'	11.10' D; 3 FC
12'	14.79' D; 2 FC
15'	18.49' D; 1 FC

**VIO - 59° Wide Flood**

Input Power: 20.0 W  
 Lumens: 13 lm  
 Efficacy: 0.6 lm/W  
 CBCP: 12 cd  
 Beam Angle: 59.0°  
 Field Angle: 103.5°  
 Spacing Criteria: 1.13

∠	0°	45°	90°
0°	12	12	12
5°	11	11	11
10°	11	11	11
15°	10	10	10
20°	9	9	9
25°	8	8	7
30°	6	6	6
35°	5	4	4
40°	3	3	3
45°	2	2	2

3'	3.39' D; 1.3 FC
6'	6.79' D; 0.3 FC
9'	10.18' D; 0.1 FC
12'	13.58' D; 0.1 FC
15'	16.97' D; 0.1 FC

OUTPUT MULTIPLIER

Output	Multiplier				
	RED	AMB	GRN	BLU	VIO
20W	1.00	1.00	1.00	1.00	1.00
15W	0.92	0.83	0.85	0.85	0.82
10W	0.76	0.62	0.65	0.66	0.66