

BDL4 DW

BARITONE COMMERCIAL DOWNLIGHT 4" ROUND + SQUARE WALLWASH

MAIN FEATURES

- A TRUE Recessed Downlight Wallwash for even, top-to-bottom illumination
- Designed for remodel installation; new construction tray and Chicago plenum/airtight housing optional
- Delivering up to 4000 lumens at 3500K, 90+ CRI and 41W
- Modular platform with easy maintenance for individual components featuring visual indicator to ensure proper installation prior to module installation
- Solais' proprietary driver technology delivers smooth, flicker-free dimming (per IEEE 1789-2015) to 1% via phase-cut or 0-10V; 0.1% 0-10V/DALI-2
- Custom TIR optic platform to ensure excellent light control
- Super-shallow installation height of <2.5" and non-conductive baffles



FIXTURE	MODULE	CEILING THICKNESS	BAFFLE FINISH	FLANGE FINISH	BEAM SPREAD	CRI	CCT	LUMENS	POWER SUPPLY	INSTALLATION	FIXTURE OPTIONS
BDLR : Round	4 : 4"	1 : 0.50"-1.5"	PW : Perfect White	PW : Perfect White	DW : Down Wallwash Trim	9 : 90+ CRI	27 : 2700K	1000 : 10W 1500 : 15W	UNV : 120-277V, 1% phase-cut/0-10V dimming	NCT : New Construction Tray with Field installed Standard Hangar Bars	CASPC : Casambi Wireless Phase-cut Node
BDLS : Square			BK : Black	BK : Black		D ³ : Dim-to-Warm (98 CRI)	30 : 3000K 35 : 3500K 40 : 4000K 50 : 5000K	2000 : 20W 2500 : 26W 3000 : 33W 3500 : 33W 4000 : 46W 1400 ³ : 21W (Dim-to-Warm only)	UDA : 120-277V, 0.1% Logarithmic DALI-2/D4i dimming	NCC : New Construction Tray with Field installed Commercial Hangar Bars with mounting brackets for vertical adjustment RM : Remodel	CAS10 : Casambi Wireless 0-10V Node CAS : Casambi Wireless DALI-2 Node AWNRR : Lutron Athena Wireless DALI-2 Node LEV : Leviton Intellect DALI-2 Node WAT : Wattstopper/Encelium Wireless DALI-2 Node EMI-25W ¹ : 25W Emergency Microinverter, 120-277V EMI-8W ¹ : 8W Emergency Microinverter, 120-277V

Notes: ¹Emergency test switch must be remote mounted

³Dim-to-warm option is 98 CRI and only offered with the 1400 lumen package.

OPTICS + PERFORMANCE

- Down Wall Wash provides even top-to-bottom illumination
- Performance packages
 - 10W; 1000 lumens
 - 15W; 1500 lumens
 - 20W; 2000 lumens
 - 22W; 2500 lumens
 - 21W; 1400 lumens (*dim-to-warm only*)
 - 27W; 3000 lumens
 - 34W; 3500 lumens
 - 41W; 4000 lumens
- Color Temperatures
 - 90+ CRI Standard: 2700K, 3000K, 3500K, 4000K, 5000K
- 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

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

CONSTRUCTION + FINISH

- Weight 3.75 lbs.
- Galvanized steel tray
- Single-piece die-cast aluminum heatsink powder-coated with polyester powder
- Non-conductive baffles

WARRANTY

- 5-year warranty

POWER + CONTROLS

- Universal Input: 120-277V
- Proprietary Solais drivers
 - UNV: Phase-cut or 0-10V <1% dimming
 - UDA: Logarithmic 0.1% 0-10V or DALI-2 dimming
- Casambi and Lutron wireless controls available

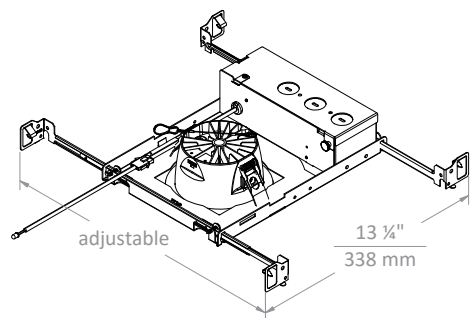
RATINGS + CERTIFICATIONS

- IC rated up to 2500 lumens/22W (without enclosure), Non-IC 3000+ lumens/25+W
- 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

HANGING BARS DIMENSIONAL DETAILS

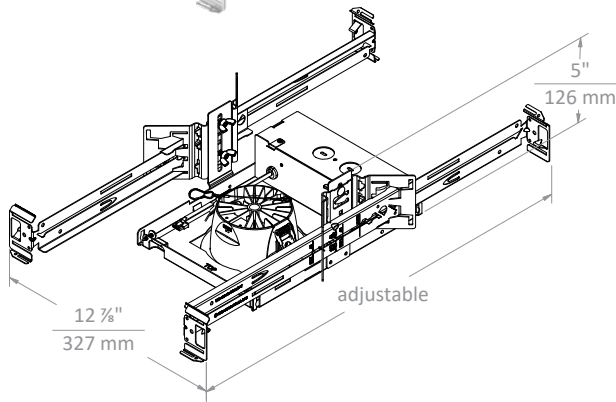
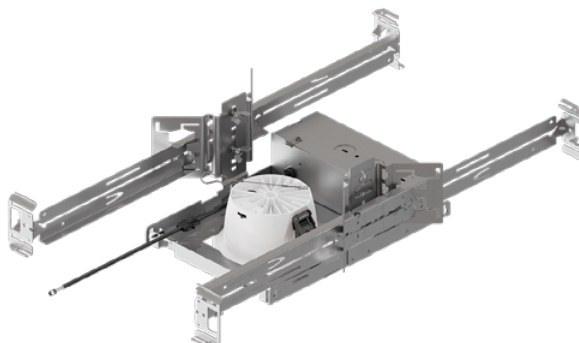
Standard Hanging Bars (NCT)

- 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

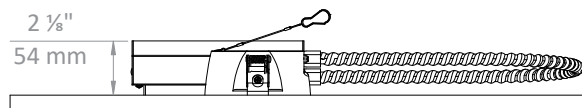
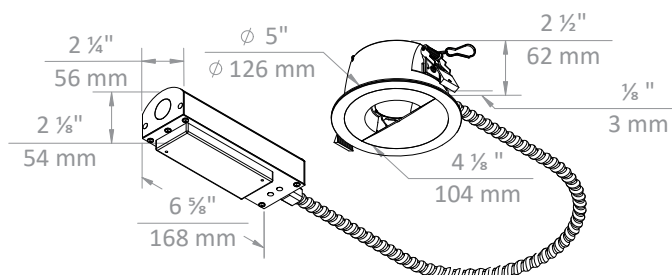
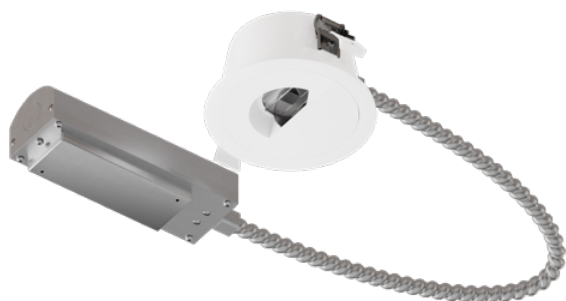


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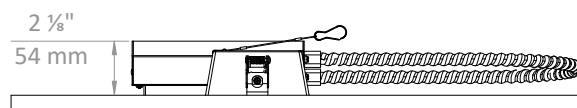
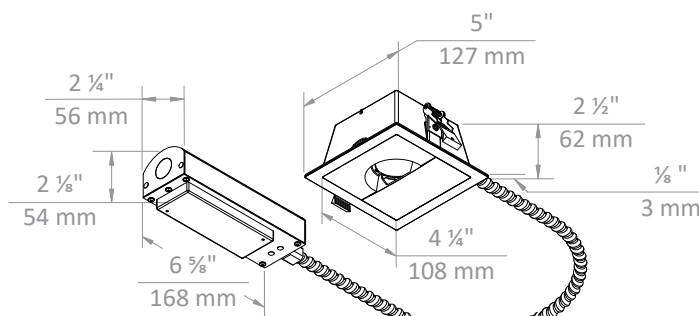
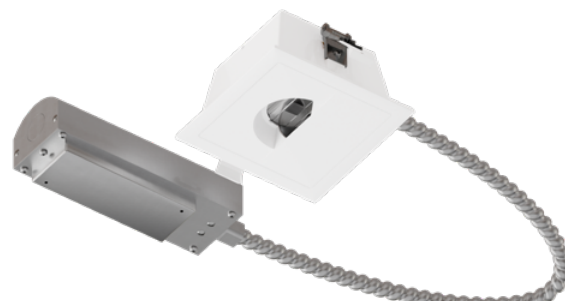
BARITONE COMMERCIAL DOWNLIGHT
4" ROUND + SQUARE WALLWASH

REMODEL DIMENSIONAL DETAILS

▪ Round Ceiling Cutout: $\varnothing 4 \frac{3}{8}"$



▪ Square Ceiling Cutout: $4 \frac{1}{2}" \times 4 \frac{1}{2}"$



BAFFLE + FLANGE DETAIL

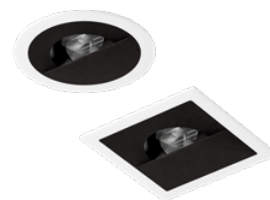
Perfect White
Baffle + Flange
(PW/PW)



Black
Baffle + Flange
(BK/BK)



Black Baffle +
Perfect White Flange
(BK/PW)



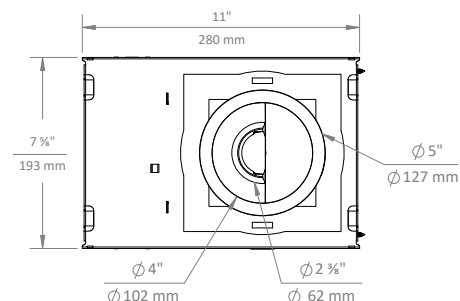
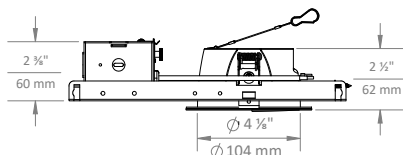
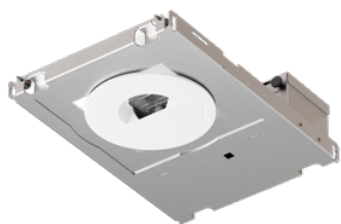
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BARITONE COMMERCIAL DOWNLIGHT
4" ROUND + SQUARE WALLWASH

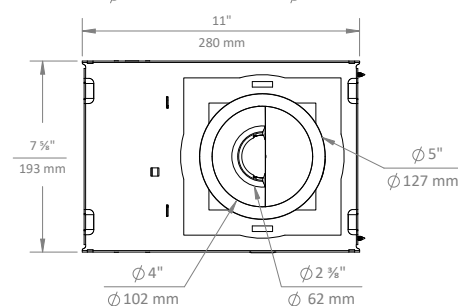
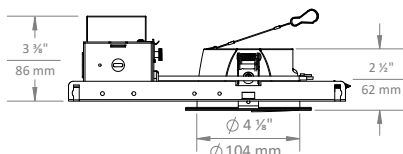
BDLR4 - ROUND DIMENSIONAL DETAILS

Ceiling Cutout : 4 1/4" Diameter

UNV2 (1000-1500 lm) + UNV3 (2000-2500 lm)



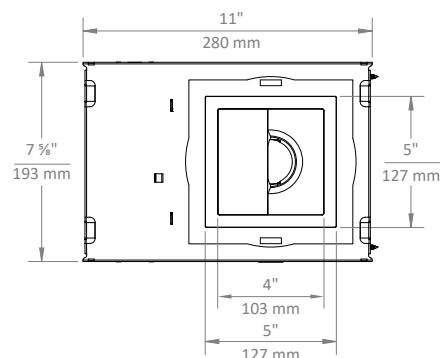
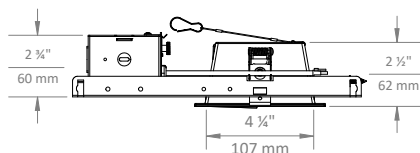
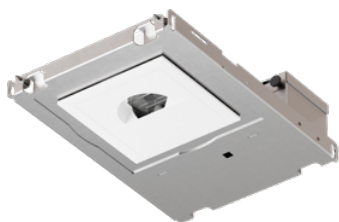
UNV5 (3000+ lm)



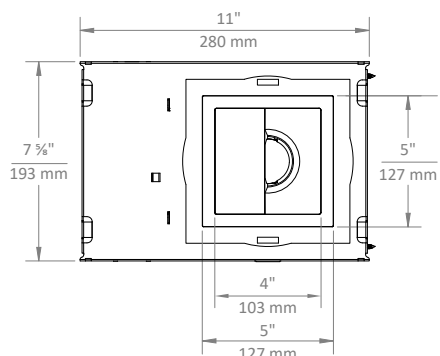
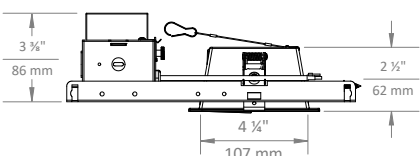
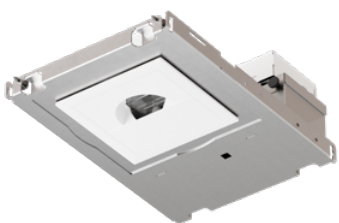
BDLS4 - SQUARE DIMENSIONAL DETAILS

Ceiling Cutout : 4 1/2" x 4 1/2"

UNV2 (1000-1500 lm) + UNV3 (2000-2500 lm)



UNV5 (3000+ 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

PHOTOMETRIC DETAILS | Baseline data shown below for 20W, 2000 lumens, 90+ CRI , 3000K
2.5 FT from wall, 12 FT mounting height

SINGLE FIXTURE

	0 FT	1 FT	2 FT	3 FT
1 FT	6.9 fc	6.3 fc	4.9 fc	3.2 fc
2 FT	8.5 fc	7.8 fc	6.1 fc	3.9 fc
3 FT	10.9 fc	9.7 fc	7.8 fc	4.7 fc
4 FT	11.8 fc	10.5 fc	8.2 fc	5.2 fc
5 FT	11.6 fc	10.5 fc	8.3 fc	5.5 fc
6 FT	9.8 fc	8.9 fc	7.1 fc	5.1 fc
7 FT	7.8 fc	7.3 fc	6.2 fc	4.7 fc
8 FT	6.2 fc	5.9 fc	4.9 fc	4.1 fc
9 FT	4.9 fc	4.6 fc	4.1 fc	3.5 fc
10 FT	3.9 fc	3.8 fc	3.4 fc	3 fc
11 FT	3.4 fc	3.3 fc	3 fc	2.7 fc
12 FT	3 fc	3 fc	2.7 fc	2.4 fc

MULTIPLE FIXTURES

	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT
1 FT	17 fc	17 fc	16.4 fc									
2 FT	20.4 fc	20.3 fc	19.5 fc									
3 FT	25.6 fc	25.4 fc	24.4 fc									
4 FT	28.5 fc	28.2 fc	27.1 fc									
5 FT	29.3 fc	29 fc	27.7 fc									
6 FT	26.8 fc	26.4 fc	25.1 fc									
7 FT	23.4 fc	23.1 fc	21.8 fc									
8 FT	20 fc	19.6 fc	18.6 fc									
9 FT	16.9 fc	16.6 fc	15.6 fc									
10 FT	14.4 fc	14.1 fc	13.3 fc									
11 FT	12.9 fc	12.6 fc	11.9 fc									
12 FT	11.8 fc	11.6 fc	10.9 fc									

	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT
1 FT	9.5	8.75	9.4									
2 FT	11.5	10.5	11.3									
3 FT	14.4	13.1	14.2									
4 FT	15.8	14.6	15.6									
5 FT	16.1	15.2	15.8									
6 FT	14.6	14.1	14.4									
7 FT	12.8	12.7	12.6									
8 FT	11.2	11.1	11									
9 FT	9.8	9.7	9.6									
10 FT	8.6	8.55	8.4									
11 FT	7.9	7.85	7.6									
12 FT	7.4	7.3	7.1									

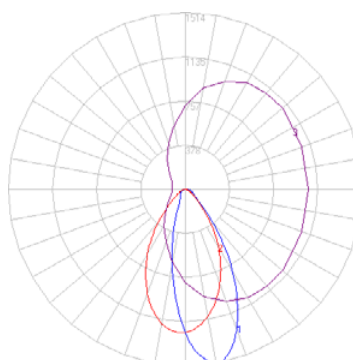
OUTPUT MULTIPLIER

Package	Multiplier
10W; 1000 lm	0.54
15W; 1500 lm	0.75
20W; 2000 lm	1.00
26W; 2500 lm	1.25
33W; 3000 lm	1.53
40W; 3500 lm	1.74
46W; 4000 lm	1.91

CRI-CCT MULTIPLIER

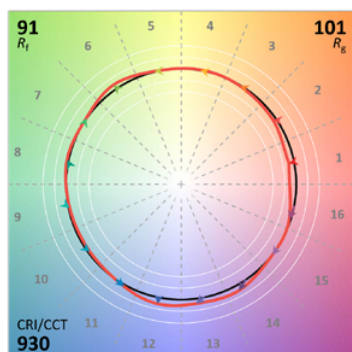
CCT	90+ CRI
2700K	0.97
3000K	1.00
3500K	1.02
4000K	1.03
5000K	1.04

ISOMETRIC DETAIL

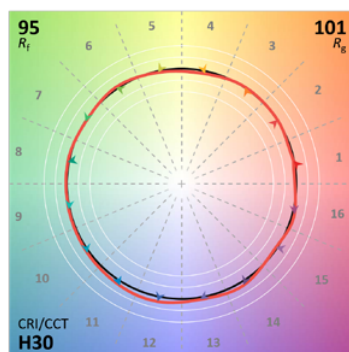


TM30 COLOR REPORTS

- 3000K with 95 CRI
- $R_A = 95$; $R_g = 62$
- $R_f = 91$; $R_g = 101$



- 3000K with 98+ CRI
- $R_A = 98$; $R_g = 96$
- $R_f = 95$; $R_g = 101$



- 3000K to 1800K with 90+ CRI
- $R_A = 95$; $R_g = 62$
- $R_f = 94$; $R_g = 104$

