

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The BLC troffer delivers soft, glare-free, ambient lighting in a popular center-basket design. The slim profile of the fixture coupled with energy-saving LED technology make the BLC an ideal choice for renovation or new construction. The BLC troffer offers a high-quality, cost-effective LED lighting solution for schools, offices, retail, healthcare facilities and other commercial spaces.

CONSTRUCTION — The reflector is finished with a highly reflective paint for improved aesthetics and increased light diffusion. End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw-on T-bar clips are available. Diffusers are extruded from impact modified acrylic for increased durability. LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complementary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). 0-10 volt dimming driver. Dims to 10%.

SENSOR — **Integrated Wireless Sensor (single room control):** Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 2 for more details on the integrated wireless sensor.

INSTALLATION — With a depth of only 2-3/8", the BLC makes for an easy installation, especially in restrictive plenum applications. The BLC fits into standard 15/16" and narrow 9/16" T-grid ceiling systems. Battery packs are available for field installation. Suitable for damp location.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

BLC Series LED

BLC

2'X2' and 2'X4'
LED



Diffuser Type



ADSM
Curved Smooth



SDSM
Square Smooth

Specifications

2X4 Length: 47-3/4 (121.2)

2X2 Length: 23-3/4 (60.3)

Width: 23-3/4 (60.3)

Depth: 2-3/8 (6.0)

All dimensions are inches (centimeters) unless otherwise specified.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: BLC 2X4 4000LM 80CRI 35K ADSM MIN10 ZT MVOLT

Series	Size	Lumens ‡	Color Rendering Index	Color Temperature	Diffuser	Minimum Dimming Level
BLC BLC LED Center Basket Troffer	2x2 2' x 2'	3300LM 3300 lumens	80CRI 80 CRI	35K 3500 K	ADSM Curved, smooth	MIN10 Constant Current, dimming to 10%
		4000LM 4000 lumens		40K 4000 K	SDSM Square, smooth	
	2x4 2' x 4'	4000LM 4000 lumens	50K 5000 K	ADSMT Curved, smooth		
		5000LM 5000 lumens	SDSMT Square, smooth			

Control Input	Voltage	Emergency Option	Controls ‡	Options
ZT 0-10V	MVOLT 120V - 277V 347 347V ‡	(blank) no emergency option EL14L 1400 nominal lumens battery pack ‡ E10WLCP EM self-diagnostic battery pack, 10W constant power, Certified in CA TITLE 20 MAEDBS ‡	(blank) no control option JOT Wireless room control with "Just One Touch" pairing JOTVTX15 Wireless occupancy sensor with "Just One Touch" pairing	BDP Disconnect Plug PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit with low voltage wires PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge LATC Earthquake Clips

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart on the next page. Options are sorted alphanumerically.

BLC Center Basket Troffer

‡ Option Value Ordering Restrictions

Option Value	Restriction
347	Not available with EL14L option.
Controls	Must specify diffuser with trim rings.
EL14L, E10WLCP	When using pre-wire option, use PWS1846 or PWS1846 PWSLV
Lumens	Approximate lumen output.

Non-Configurable BLC

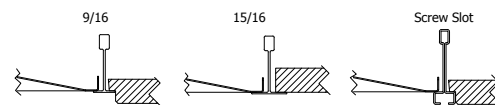
Stock/MTO	Catalog Description	UPC	Lumens	Wattage	LPW	Color Temperature	Diffuser Type	Voltage	Pallet Quantity
Stock	BLC 2X2 3300LM 35K ADSM	193048323177	3329	30W	110.9	3500K	Curved Smooth	120-277	56
	BLC 2X2 3300LM 40K ADSM	193048323269	3382	30W	112.7	4000K	Curved Smooth	120-277	56
	BLC 2X2 4000LM 35K ADSM	193048323399	4063	36W	112.8	3500K	Curved Smooth	120-277	56
	BLC 2X2 4000LM 40K ADSM	193048323382	4128	36W	114.6	4000K	Curved Smooth	120-277	56
	BLC 2X4 4000LM 35K	191848536575	4034	32W	126.0	3500K	Square Smooth	120-277	28
	BLC 2X4 4000LM 35K ADSM	193048323443	4034	32W	126.0	3500K	Curved Smooth	120-277	28
	BLC 2X4 4000LM 40K	191848536629	4098	32W	128.0	4000K	Square Smooth	120-277	28
	BLC 2X4 4000LM 40K ADSM	193048323511	4098	32W	128.0	4000K	Curved Smooth	120-277	28
	BLC 2X4 5000LM 35K	191848536636	4920	43W	114.4	3500K	Square Smooth	120-277	28
	BLC 2X4 5000LM 35K ADSM	193048323535	4920	43W	114.4	3500K	Curved Smooth	120-277	28
	BLC 2X4 5000LM 40K	191848536599	4999	43W	116.2	4000K	Square Smooth	120-277	28
	BLC 2X4 5000LM 40K ADSM	193048323528	4999	43W	116.2	4000K	Curved Smooth	120-277	28
MTO	BLC 2X2 3300LM 35K	191848536469	3329	30W	110.9	3500K	Square Smooth	120-277	56
	BLC 2X2 3300LM 40K	191848536506	3382	30W	112.7	4000K	Square Smooth	120-277	56
	BLC 2X2 4000LM 35K	191848536544	4063	36W	112.8	3500K	Square Smooth	120-277	56
	BLC 2X2 4000LM 40K	191848536551	4128	36W	114.6	4000K	Square Smooth	120-277	56

Accessories: Order as separate catalog number.

DGA24	Drywall grid adapter for 2x4 recessed fixture
DGA22	Drywall grid adapter for 2x2 recessed fixture
2X2SMKSH PAF	2X2 Surface Mount Troffer Kit Post Paint
2X4SMKSH PAF	2X4 Surface Mount Troffer Kit Post Paint
PS1050	LED emergency battery pack, 10W 50VDC (Non-compliant with CA T20)
PS1055LCP	LED emergency battery pack, 10W Constant Power, Self-Diagnostic, Certified in CA Title 20 MAEDBS
ELA PSRME IC	Remote enclosure for battery for insulated ceiling
RK1BDP J40	Disconnect Plug (BDP) Package of 40
RK1BDP J10	Disconnect Plug (BDP) Package of 10

MOUNTING DATA

Ceiling Type	Appropriate Trim Type
Exposed grid tee (1" and 9/16")	G
Concealed grid tee	G
Plaster or plasterboard	G*



*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA24 installation is 24-3/4" x 48-3/4" (Tolerance is +1/8", -0"). Recommended rough-in dimensions for DGA22 installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

Replacement Parts

*2610C8	BLC 2X2 ADSM LENS KIT	2' Replacement Curved Smooth Lens	*26282Y	BLC 2X2 SDSM LENS KIT	2' Replacement Square Smooth Lens
*27328C	BLC 2X2 ADSMT LENS KIT	2' Replacement Curved Smooth Lens with Trim Ring	*27328J	BLC 2X2 SDSMT LENS KIT	2' Replacement Square Smooth Lens with Trim Ring
*2610CG	BLC 2X4 ADSM LENS KIT	4' Replacement Curved Smooth Lens	*26282X	BLC 2X4 SDSM LENS KIT	4' Replacement Square Smooth Lens
*27328P	BLC 2X4 ADSMT LENS KIT	4' Replacement Curved Smooth Lens with Trim Ring	*27328T	BLC 2X4 SDSMT LENS KIT	4' Replacement Square Smooth Lens with Trim Ring

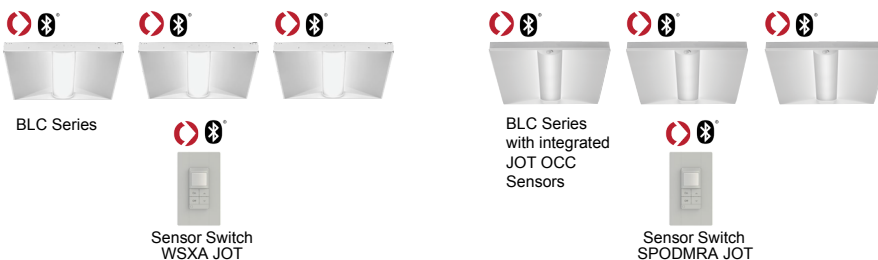
JOT Wireless



Sensor Switch JOT Enabled Wireless Solution

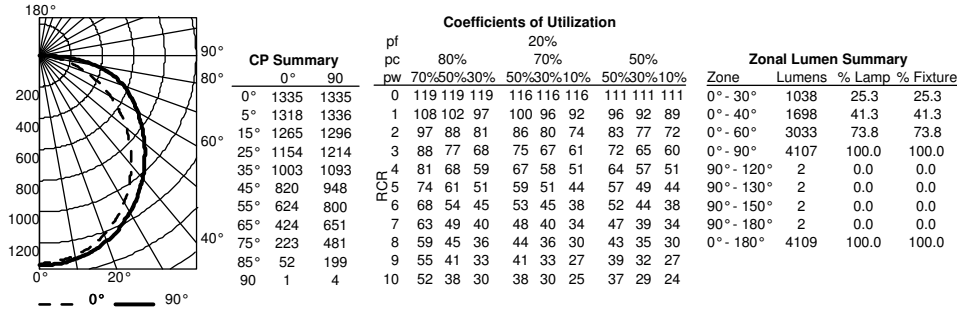
Designed with contractors in mind, the Sensor Switch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

- Power:** Install JOT enabled fixtures and controls as instructed.
- Pair:** Insert the provisioning tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- Play:** Once pairing, each fixture will individually dim down to 10% brightness. All products will be fully functional.

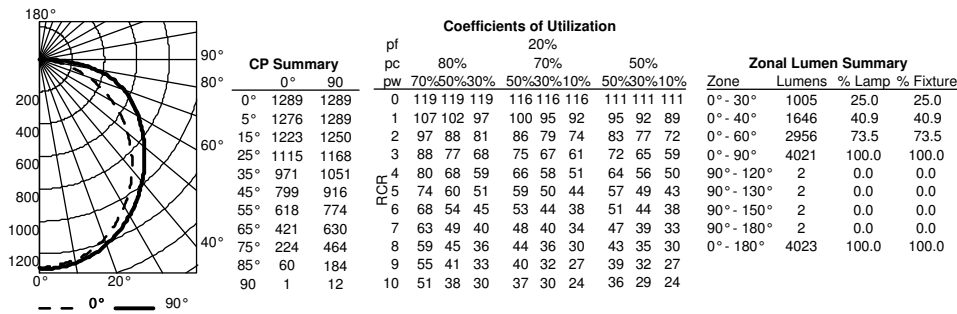


PHOTOMETRICS

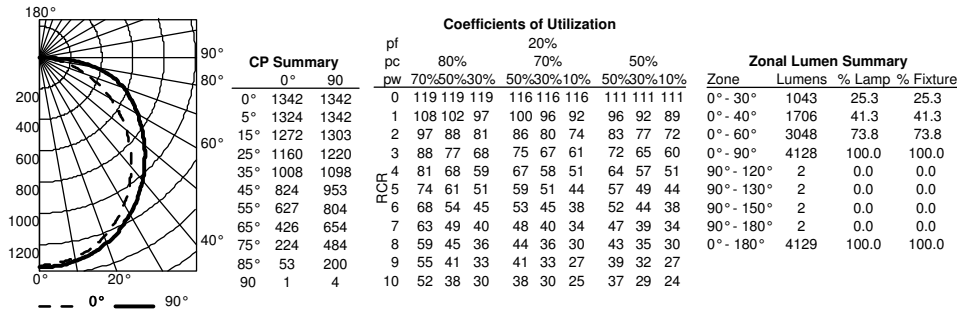
BLC 2X2 4000LM 80CRI 35K ADSM, 4109 Delivered Lumens.



BLC 2X2 4000LM 80CRI 35K SDSM, 4022 Delivered Lumens.



BLC 2X4 4000LM 80CRI 35K ADSM, 4129 Delivered Lumens.



BLC 2X4 4000LM 80CRI 35K SDSM, 4042 Delivered Lumens.

