

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%.

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. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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.

Catalog Number
Notes
Type

BLC Series LED

BLC

2'X2' and 2'X4'
LED



Diffuser Type



ADSM
Curved Smooth



SDSM
Square Smooth

Specifications

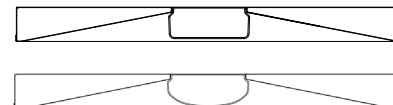
2X4 Length: 47-3/4 (121.2)

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 ¹	Color Rendering Index	Color Temperature	Diffuser
BLC BLC LED Center Basket Troffer	2x2 2' x 2'	3300LM 3300 lumens 4000LM 4000 lumens	80CRI 80 CRI	35K 3500 K 40K 4000 K 50K 5000 K	ADSM Curved, smooth SDSM Square, smooth
	2x4 2' x 4'	4000LM 4000 lumens 5000LM 5000 lumens			

Minimum Dimming Level	Control Input	Voltage	Options
MIN10 Constant Current, dimming to 10%	ZT 0-10V	MVOLT 120V - 277V 347 347V ²	BDP Disconnect Plug EL14L 1400 nominal lumens battery pack^{3,4} E10WLCP EM self-diagnostic battery pack, 10W constant power, Certified in CA TITLE 20 MAEDBS^{3,4} PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit with low voltage purple and grey 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, purple and gray LATC Earthquake Clips

Notes

- 1 Approximate lumen output.
- 2 Not available with EL14L.
- 3 When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
- 4 Not available with BDP.

Non-Configurable BLC

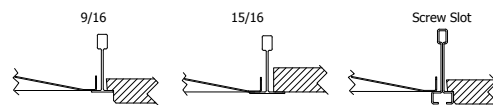
Stock/MTO	Catalog Description	UPC	Lumens	Wattage	LPW	Color Temperature	Diffuser Type	Voltage	Pallet Quantity
Stock	BLC 2X2 3300LM 35K ADSM	193048323177	3329	30W	110.9	3500K	Curved Smooth	120-277	56
	BLC 2X2 3300LM 40K ADSM	193048323269	3382	30W	112.7	4000K	Curved Smooth	120-277	56
	BLC 2X2 4000LM 35K 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
2X2SMKSHP PAF	2X2 Surface Mount Troffer Kit Post Paint
2X4SMKSHP 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*



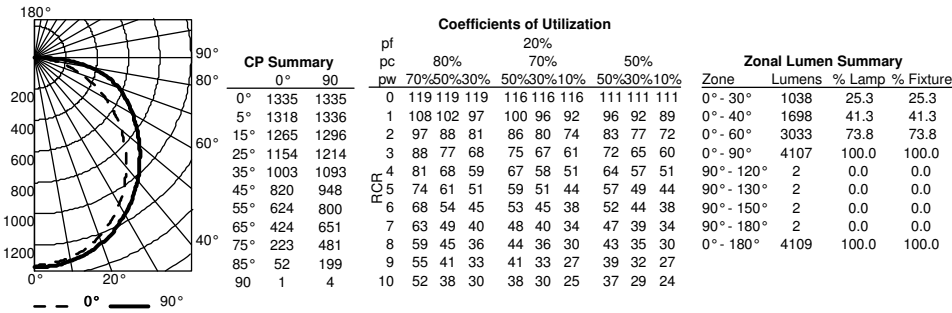
*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 48-3/4" (Tolerance is +1/8", -0").

Replacement Parts

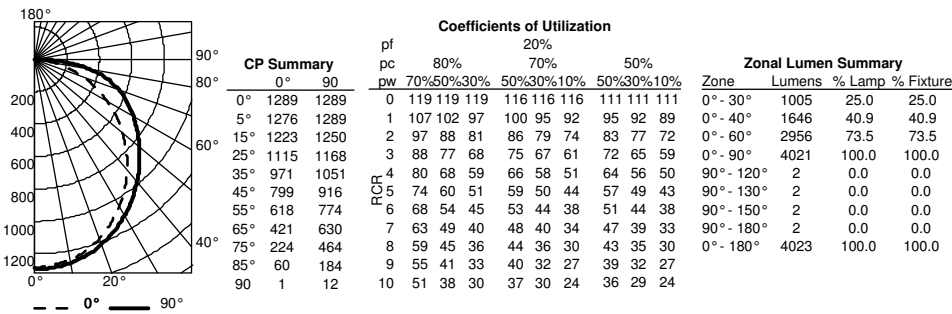
*2610C8	BLC 2X2 ADSM LENS KIT	2' Replacement Curved Smooth Lens
*2610CG	BLC 2X4 ADSM LENS KIT	4' Replacement Curved Smooth Lens
*26282Y	BLC 2X2 SDSM LENS KIT	2' Replacement Square Smooth Lens
*26282X	BLC 2X4 SDSM LENS KIT	4' Replacement Square Smooth Lens

PHOTOMETRICS

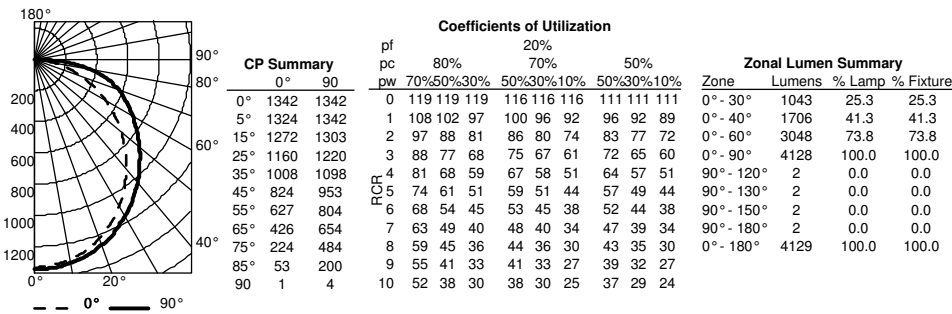
BLC 2X2 4000LM 80CRI 35K ASDM, 4109 Delivered Lumens.



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



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



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

