

FEATURES & SPECIFICATIONS

INTENDED USE — The BLC troffer delivers soft, glare-free, ambient lighting in a popular center-basket design. The slim profile of the luminaire, 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, complimentary 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%. Driver disconnect provided where required to comply with US and Canadian codes.

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/CustomerResources/Terms_and_conditions.aspx

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



Specifications

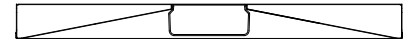
2X4 Length: 47-3/4 (121.2)

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.



Diffuser Type



ADSM
Curved Smooth



SDSM
Square Smooth

ORDERING INFORMATION

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

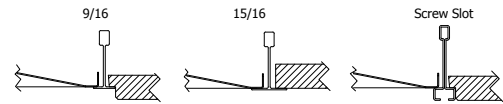
Example: BLC 2X4 4000LM 80CRI 35K ADSM MIN10 ZT MVOLT

Series	Size	Lumens	Color Rendering Index	Color Temperature	Diffuser
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	EL14L 1400 nominal lumens battery pack	PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
			PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit with low voltage purple and grey wires	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
			PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit		

BLC Center Rectilinear Basket Troffer

Accessories: Order as separate catalog number.	
DGA24	Drywall grid adapter for 2x4 recessed fixture
DGA22	Drywall grid adapter for 2x2 recessed fixture
2X2SMKSH	2X2 Surface Mount Troffer Kit Pre Paint
2X2SMKSH PAF	2X2 Surface Mount Troffer Kit Post Paint
2X4SMKSH	2X4 Surface Mount Troffer Kit Pre Paint
2X4SMKSH PAF	2X4 Surface Mount Troffer Kit Post Paint
PS1050	LED emergency battery pack, 10W 50VDC (Noncompliant 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

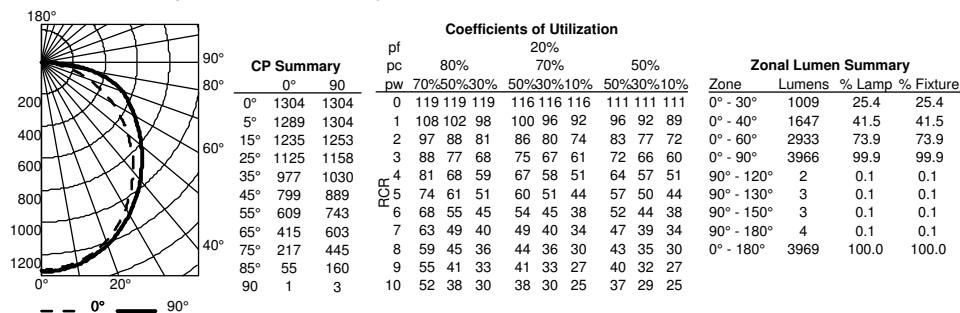
MOUNTING DATA	
Ceiling Type	Appropriate Trim Type
Exposed grid tee (1" and 9/16")	G
Concealed grid tee	G
Plaster or plasterboard	G*



*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").

PHOTOMETRICS

BLC 2X2 40L LP835, 3970 Delivered Lumens, tested in accordance to IESNA LM-79.



BLC 2X4 40L LP835, 4003 Delivered Lumens, tested in accordance to IESNA LM-79.

