LITHONIA LIGHTING®

Low Profile LED Wraparound

BLWP

2', 4' and 8' Lengths

FEATURES & SPECIFICATIONS

INTENDED USE — The BLWP LED Wrap/ Wall bracket expands the BLT family with the features and aesthetics of the popular BLT and BLTR center basket design with a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLWP the perfect choice for many lighting applications including schools, offices, stairwells and other commercial spaces. With multiple mounting options, easy installation, and controls configurations, the BLWP is an excellent choice for renovation and new construction.

CONSTRUCTION — BLWP enclosure components are die-formed for dimensional consistency. For 2' and 4' product, hinged door frame allows easy access to electrical components and mounting locations without having to remove additional parts. For 8' product, suspension aircraft cables allow easy access to electrical components and mounting locations without having to remove additional parts. Available in three paint finishes: white (pre-paint), painted after fabrication white, and natural aluminum. Diffusers are extruded from impact modified acrylic for increased durability. Optional polycarbonate lens available for additional impact resistance, as well as Tamper Proof screws.

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. Five diffuser choices available - curved and square designs with linear prisms, a smooth frosted finish, and a smooth polycarbonate finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and qualityof illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Replaces 2 lamp fluorescent.

Configurable BLWP: Available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information on page 2.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight®controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission, while nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Driver disconnect provided where required to comply with US and Canadian codes.

CONTROLS — **Integrated sensor (individual control):** Sensor Switch MSD7ADCX (Passive infrared (PIR)) or MSDPDT7ADCX (PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 5 for the nLight sensor options.

Integrated Smart Sensor (nLight AIR Wireless Platform): The rES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or dual technology occupancy sensor. It pairs to other luminairs and wall switches through our mobile app, CL*AIR*ITY PRO, which allows for simple sensor adjustment. See page 5 for more details on the Integrated Smart Sensor.

INSTALLATION — Intended for surface or suspend mounting. For row mounting and quick mounting to junction boxes see accessories section. Suitable for damp location.

LISTINGS — CSA Certified to meet U.S. and Canadian standards.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium 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.
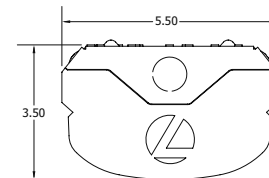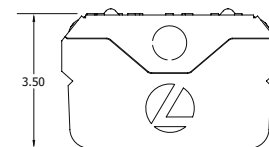
Specifications

2' Dimensions
Length: 24 (60.96)
Width: 5.50 (13.97)
Depth: 3.50 (8.89)

4' Dimensions
Length: 48 (121.92)
Width: 5.50 (13.97)
Depth: 3.50 (8.89)

8' Dimensions
Length: 96 (243.84)
Width: 5.50 (13.97)
Depth: 3.50 (8.89)

All dimensions are inches (centimeters) unless otherwise specified.

5.50
3.50
3.50

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or control networks marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

BLWP Low Profile LED Wraparound

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

Example: BLWP4 40L ADP GZ10 LP840

Series	Lumens[1]		Lens/Diffuser	Driver	Driver	Color Temperature
	Standard Efficiency (>100 LPW)	High Efficiency (>130 LPW)[1]	ADP Curved, linear prisms	(blank) MVOLT	EZ1 eldoLED dims to 1% (0-10v dimming)	LP830 82CRI, 3000K
BLWP2 2' LED Wraparound	8L 800 Lumens	8LHE 800 Lumens	ADSM Curved, smooth	120 120V		LP835 82CRI, 3500K
	20L 2000 Lumens	20LHE 2000 Lumens	SDP Square, linear prisms	277 277V	GZ1 Generic dims to 1% (0-10v dimming)[4]	LP840 82CRI, 4000K
	33L 3300 Lumens	33LHE 3300 Lumens	SDSM Square, smooth	347 347V[3]		LP850 82CRI, 5000K
	40L 4000 Lumens	40LHE 4000 Lumens	PDSM Curved, smooth polycarbonate[2]		GZ10 Generic dims to 10% (0-10v dimming)[4]	LP930 90CRI, 3000K
	48L 4800 Lumens	48LHE 4800 Lumens	**Diffusers w/ trim rings**			LP935 90CRI, 3500K
BLWP4 4' LED Wraparound	15L 1500 Lumens	15LHE 1500 Lumens	ADPT Curved, linear prisms		SLD Step-level dimming[4,25]	LP940 90CRI, 4000K
	20L 2000 Lumens	20LHE 2000 Lumens	ADSMT Curved, smooth			LP950 90CRI, 5000K
	30L 3000 Lumens	30LHE 3000 Lumens	SDPT Square, linear prisms		TD Triac Dimming[5]	
	40L 4000 Lumens	40LHE 4000 Lumens	SDSMT Square, smooth			
	48L 4800 Lumens	48LHE 4800 Lumens	PDSMT Curved, smooth polycarbonate[2]			
	60L 6000 Lumens	60LHE 6000 Lumens				
	72L 7200 Lumens	72LHE 7200 Lumens				
	85L 8500 Lumens	85LHE 8500 Lumens				
	100L 10000 Lumens	100LHE 10000 Lumens				
BLWP8 8' LED Wraparound	40L 4000 Lumens	40LHE 4000 Lumens				
	60L 6000 Lumens	60LHE 6000 Lumens				
	80L 8000 Lumens	80LHE 8000 Lumens				
	100L 10000 Lumens	100LHE 10000 Lumens				
	140L 14000 Lumens	140LHE 14000 Lumens				
	180L 18000 Lumens	180LHE 18000 Lumens				
	200L 20000 Lumens	200LHE 20000 Lumens				

nLight Interface[6]	Control[6]		Standy mode[6]	Options	Finish
nLight Wired	**nLight Wired**		(blank) Fixture turns off when unoccupied	E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS	(blank) Standard pre-paint white
(blank) no nLight® interface	(blank) no nLight control	**Individual Control**	DIM10 Fixture dims to approximately 10% light output when unoccupied[14]	EL7L 700 nominal lumens battery pack[16]	PAF Paint After Fabrication White
N80 nLight with 80% lumen management	NES7 nLight™ nES 7 PIR integral occupancy sensor[9,10]	MSD7ADCX PIR integral occupancy sensor with automatic dimming control photocell[9,11,12]		EL14L 1400 nominal lumens battery pack[16]	DNA Paint After Fabrication Natural Aluminum
N80EMG nLight with 80% lumen management[7] For use with generator supply EM power	NESPDT7 nLight™ nES PDT 7 dual technology integral occupancy control[9,10]		DIM50 Fixture dims to approximately 50% light output when unoccupied[14]	BGTD Bodine Generator Transfer Device[17]	
N100 nLight without lumen management	NES7ADCX nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell[9,10]	MSDPDT7ADCX PDT integral occupancy sensor with with automatic dimming control photocell[9,11,12]	NOC Occupancy sensor disabled[15]	USPOM US Point of Manufacture	
N100EMG nLight without lumen management[7] For use with generator supply EM power	NESPDT7ADCX nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell[9,10]			QMB Quick Mount Bracket[18]	
				TRS Tamper Resistant Screw[19]	
nLight Wireless	**nLight Wireless**			GLR Fast-blowing fuse[20]	
(blank) no nLight® interface	(blank) no nLight control			GMF Slow-blowing fuse[20]	
NLTAIR2 nLight AIR Generation 2 enabled[8]	RES7 nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control[9,13]			FAO Field Adjustable Output[21,25]	
	RES7PDT nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Zone Control[9,13]			PLR___ Plug-in wiring, see page 8 for ordering information[22]	
	RIO nLight AIR radio module without sensor[9,13]			PLR1LVG Plug-in wiring, low voltage dimming[22,23]	

Non-Configurable BLWP:

Stock/MTO	Ci code	Catalog Description	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet QTY
MTO	*264V2M	BLWP2 20L SDSM LP835	191848282045	2000	16	125	3500 K	120-277	80
	*264V2L	BLWP2 20L SDSM LP840	191848282038	2000	16	125	4000 K	120-277	80
	*264CH0	BLWP2 33L ADP LP835	191848080825	3300	30	110	3500 K	120-277	80
	*264CH1	BLWP2 33L ADP LP840	191848080832	3300	30	110	4000 K	120-277	80
	*264CH2	BLWP2 40L ADP LP835	191848080849	4000	37	108	3500 K	120-277	80
	*264CH4	BLWP2 40L ADP LP840	191848080856	4000	37	108	4000 K	120-277	80
STOCK	*264V2K	BLWP4 30L ADP LP835	191848282021	3000	25	120	3500 K	120-277	70
	*264V2H	BLWP4 30L ADP LP840	191848281994	3000	25	120	4000 K	120-277	70
	*264CH5	BLWP4 40L ADP LP835	191848080863	4000	35	114	3500 K	120-277	70
	*264CH6	BLWP4 40L ADP LP840	191848080870	4000	35	114	4000 K	120-277	70
	*264CH7	BLWP4 48L ADP LP835	191848080900	4800	39	123	3500 K	120-277	70
	*264CH8	BLWP4 48L ADP LP840	191848080917	4800	39	123	4000 K	120-277	70

Accessories: *Order as separate catalog number.*

PART number	CI CODE	QTY	Description	Application
BLWPCR	*250A0S	1	CONTINUOUS ROW MOUNT BRACKET WHT	FOR USE ON BLWP4 ONLY, FOR STD FINISH AND PAF [26]
BLWPCRDNA	*250A1S	1	CONTINUOUS ROW MOUNT BRACKET DNA	FOR USE ON BLWP4 ONLY, FOR DNA FINISH [26]
BLWP8CR	*2543C6	1	CONTINUOUS ROW MOUNT BRACKET WHT	FOR USE ON BLWP8 ONLY, FOR STD FINISH AND PAF [26]
BLWP8CRDNA	*2543CA	1	CONTINUOUS ROW MOUNT BRACKET DNA	FOR USE ON BLWP8 ONLY, FOR DNA FINISH [26]
BLWPCG36 F1	*264R3P	1	BLWPCG36 F1	ADJUSTABLE AIRCRAFT CABLE GRIPPER KIT, 36 INCH F1 CEILING TYPE
BLWPCG36 F2	*264R4G	1	BLWPCG36 F2	CABLE GRIPPER KIT, 36 INCH F2 CEILING TYPE
BLWPCG72 F1	*264R4H	1	BLWPCG72 F1	CABLE GRIPPER KIT, 72 INCH F1 CEILING TYPE
BLWPCG72 F2	*264R4M	1	BLWPCG72 F2	CABLE GRIPPER KIT, 72 INCH F2 CEILING TYPE
BLWPCGF36 F1	*264R4R	1	BLWPCGF36 F1	KIT WITH POWER FEED 36 INCH F1 CEILING TYPE
BLWPCGF36 F2	*264R4U	1	BLWPCGF36 F2	KIT WITH POWER FEED 36 INCH F2 CEILING TYPE
BLWPCGF72 F1	*264R4V	1	BLWPCGF72 F1	KIT WITH POWER FEED 72 INCH F1 CEILING TYPE
BLWPCGF72 F2	*264R4X	1	BLWPCGF72 F2	KIT WITH POWER FEED 72 INCH F2 CEILING TYPE
BLWPCGE36 F1	*264R50	1	BLWPCGE36 F1	KIT WITH EMERGENCY POWER FEED 36 INCH F1 CEILING TYPE
BLWPCGE36 F2	*264R5T	1	BLWPCGE36 F2	KIT WITH EMERGENCY POWER FEED 36 INCH F2 CEILING TYPE
BLWPCGE72 F1	*264R5V	1	BLWPCGE72 F1	KIT WITH EMERGENCY POWER FEED 72 INCH F1 CEILING TYPE
BLWPCGE72 F2	*264R53	1	BLWPCGE72 F2	KIT WITH EMERGENCY POWER FEED 72 INCH F2 CEILING TYPE
BLWP TRS T15 BIT	*2516KU	1	BLWP TRS T15 BIT	T15 WITH PIN, TORX BIT FOR TRS OPTION
BLWPQMB	*250A2S	1	BLWP Quick Mount Bracket	QUICK MOUNT BRACKET FOR INSTALLATION TO JUNCTION BOXES WITHOUT HAVING TO REMOVE ANY PARTS IN THE FIXTURE, 4FT FIXTURE ONLY.

Notes

1. Approximate lumen output. All versions may not achieve 130+ LPW including 90CRI and versions with integral sensor trim. Refer to photometry on www.acuitybrands.com. See QPL for latest DLC listings.
2. Not available with HE (high efficiency) performance package on BLWP2 and BLWP4 only. If ordered on BLWP2 with TD, must select 33L or 40L. If ordered on BLWP4 with TD, must select 30L, 40L, 48L, 85L, or 100L.
3. Not available with TD, E10WLCP, EL7L, EL14L, BGTD or BLWP4 > 85L/ 85LHE.
4. Not available with nLight Interface or Controls.
5. On BLWP2, not available with 8L, 20L, 48L, 8LHE, or 20LHE. On BLWP4, not available with 15L, 20L, 60L, 72L, 15LHE, 20LHE, 60LHE, or 72LHE.
6. Not available with TD.
7. Requires a connection to existing nLight network. Power is provided from a separate NLIGHT enabled fixture or external power pack.
8. Must select nLight wireless control
9. Must select Lens/Diffuser type with Trim Rings.
10. Requires EZ1 and nLight interface wired option to be specified.
11. Not available with nLight interface.
12. 0-10V wires are not accessible via access plate.
13. Requires EZ1 and NLTAIR2 to be specified. Only available with 60L or lower lumen packages on the BLWP4. Only available with 100LHE/80L lumen packages or lower on the BLWP8.
14. Requires occupancy control. Must be ordered with nLight Wired or Individual Control sensor option. Not available with NLTAIR2 sensor option.
15. Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
16. Only available on BLWP8, 8ft length version of this fixture, in lumen packages 140L or less. Not available with TD.
17. Not available with TD or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.
18. Only available with BLWP4 (4') fixture.
19. Accessory BLWP TRS T15 BIT available to be ordered with this option. See Accessories section page 3. Order as separate item.
20. Must specify voltage. 120 or 277, with GLR and GMF fusing.
21. Must specify EZ1 driver. Not available with lumen packages > 6000LM. FAO restricts use of external dimming controls. See chart on page 3 for additional details.
22. Not available with BLWP2 or TD.
23. Not available with Controls options or nLight interface.
24. For ADP lens only, for additional lens options refer to photometry on www.acuitybrands.com.
25. Cannot be used with PLR1LVG.
26. Cannot be used to continuous row mount 4' fixtures with 8' fixtures.