

DIGITAL NAVIGATION

[Ordering Tree](#) [nLight Platform](#) [Sensor Switch](#) [Photometrics](#) [Performance Data](#)

FEATURES & SPECIFICATIONS

INTENDED USE — Designed specifically for data centers, the BLTDC luminaire seamlessly integrates with specialized structural grid and ceiling systems, including Armstrong, Tate, Gordon, and Polargy. Combining a clean center-basket aesthetic with volumetric light distribution, the BLTDC delivers both performance and visual appeal. High-efficiency LED technology provides significant energy savings and reduced maintenance, while a wide variety of configurations and options make it the preferred choice for mission-critical data center environments and other commercial applications requiring specialized grid compatibility.

CONSTRUCTION — Prior to fabrication, BLTDC components are coated with a proprietary paint blend and die-formed for dimensional consistency.

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. A typically configured BLTDC features a **Unified Glare Rating (UGR)** starting at 17, UGR data available on [page 9](#). High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Five diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

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). Color Variation within 3-step MacAdam ellipse (3SDCM).

Configurable BLTDC: 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 below.

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 RIO, RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. 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.

CONTROLS — **Standalone Embedded Controls** — BLTDC is available with (wired or wireless) standalone embedded controls by SensorSwitch. A wired SensorSwitch or wireless SensorSwitch AIR (sensor and/or control device) can be embedded within this luminaire.

Networked Embedded Controls — BLTDC is available with wired standalone embedded controls by Sensorswitch. A wired Sensorswitch Sensor can be embedded within this luminaire.

INSTALLATION — The BLTDC low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. Compatible with multiple structural grid systems for data center ceilings.

Suitable for damp location.

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

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-50°C depending on configuration and High Ambient (HA) options.

Specifications subject to change without notice.

Catalog Number
Notes
Type

BLT Series LED Datacenter Troffer

BLTDC

2X4



ADP Diffuser Option

2X2



ADP Diffuser Option



eldoLED

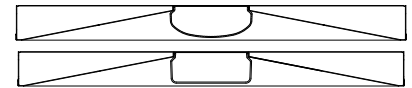
iota

nLIGHT



Specifications

For Size specifications, please refer to the sizing chart below the ordering options.



Static

All dimensions are inches (centimeters) unless otherwise specified.

Embed nLight controls today. Prepare for tomorrow.

Now



User-friendly install



Enhanced energy savings



Code compliance

Tomorrow



Scalability



Space configuration



Future-ready

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 when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency — including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

ORDERING INFORMATION

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

Example: BLTDTC 2X4 DCGP 72LHE ADPT EZ1 HA LP840

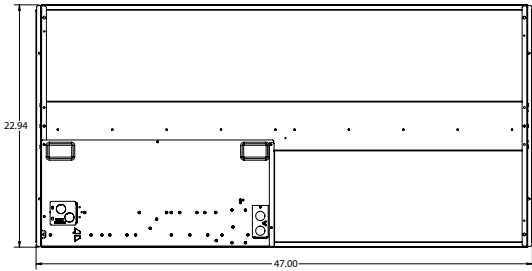
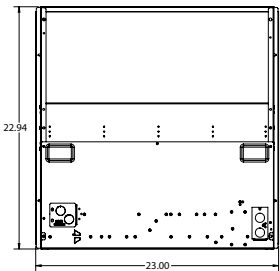
Series		Size	Trim Type		Grid Type		Lumens	Diffuser		Voltage	
BLTDTC	BLT Series LED Datacenter Troffer (not as an "option")	2X2	(blank) Imperial MG Metric *MG must be choosen with DCGP, DCGM		DCG3 Gordon Grid 3.0 DCGP Gordon Grid Pro DCGM Gordon Grid Max DCTG Tate Grid DCTLEC Tate Grid + LEC DCTD Tate Grid DUO PICS Polargy PICS ADYN Armstrong Dynamax ADYP Armstrong Dynamax Plus PICS only available with 2X4	20L 33L 40L 48L 20LHE 33LHE 40LHE 48LHE	ADP Curved, ribbed ADSM Curved, smooth SDP Square, ribbed SDSM Square, smooth ADPT Curved, ribbed ADSMT Curved, smooth SDPT Square, ribbed SDSMT Square, smooth		(blank) MVOLT 120 120V 277 277V 347 347V		
		2X4				30L 40L 48L 60L 72L 85L 100L 120L 30LHE 40LHE 48LHE 60LHE 72LHE 85LHE					
Driver		Color temperature		Controls		OCC Control					
EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	82CRI, 3000K	(blank)	no nLight ® interface	(blank)	No sensor control				
GZ1	Dims to 1% (0-10V dimming)	LP835	82CRI, 3500K	N80	nLight with 80% lumen management	NES7	nLight™ nES 7 PIR integral occupancy sensor				
		LP840	82CRI, 4000K	N80EMG	nLight with 80% lumen management For use with generator supply EM power	NESPDT7	nLight™ nES PDT 7 dual technology integral occupancy control				
GZ10	Dims to 10% (0-10V dimming)	LP850	82CRI, 5000K	N100	nLight without lumen management	NES7ADCX	nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell				
		LP930	90CRI, 3000K		NESPDT7ADCX	nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell					
		LP935	90CRI, 3500K	N100EMG	nLight without lumen management For use with generator supply EM power	RES7	nLight AIR control with PIR integral occupancy sensor and automatic dimming photocell				
		LP940	90CRI, 4000K	NLTAIR2	nLight AIR Generation 2 enabled	RES7PDT	nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell				
		LP950	90CRI, 5000K			RIO	nLight AIR radio module without sensor				
						RES7EM	nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection				
						RES7PDTEM	nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection				
						RIOEM	nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection				
						MSD7ADCX	PIR integral occupancy sensor with automatic dimming control photocell				
						MSDPDT7ADCX	PDT integral occupancy sensor with automatic dimming control photocell				
Options											
BDP	Disconnect Plug				CP	Chicago plenum					
E7W	7W Emergency battery pack, constant power, Certified in CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch (LINK)				PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit					
E10W	10W Emergency battery pack, constant power, Certified in CA Title 20 MAEDBS, User selectable Self-Diagnostic, AC Activate with Integral Test Switch (LINK)				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					
HA	For use in ambient temperatures up to 50°C				PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/ low voltage wires					
					GLR	Fast-blowing fuse					
					GMF	Slow-blowing fuse					

‡ Option Value Ordering Restrictions	
Option value	Restriction
347	Not available with SLD, E7W, E10W, and E10WSTAR options.
Controls	Must specify diffuser with trim rings.
E7W, E10W	When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
HA	High Ambient (HA) option not available in 2X2 or with Emergency or Controls options. Available in 2X4 configuration with Standard Efficiency 72L and High Efficiency options 30LHE-85LHE
Lumens	Approximate lumen output. For high Efficiency, all versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com . Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
MSD7ADCX, MSDPDT7ADCX	Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
N80EMG, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
NES7, NESPDT7, NES7ADCX, NESPDT7ADCX	Requires N80, N80EMG, N100, or N100EMG. Only available with EZ1 driver.
NLTAIR2	Must order with nLight Wireless option from Control section. Not available with GZ10 driver. Not available with 85L, 85LHE, 100L, or 120L options.
PWS1846 PWSLV, PWS1856LV	Not available with nLIGHT wired network or individual controls.
RES7, RES7PDDT, RIO	See UL 924 Sequence of Operation chart on page 3. When combined with the EZ1 option, can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options.
RES7EM, RES7PDT, RIOEM	See UL924 Sequence of Operation chart on page 3. Not available with 72L, 72LHE, 85L or 85LHE lumen packages. Not available with GZ10 or GZ1 driver.

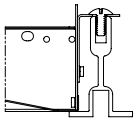
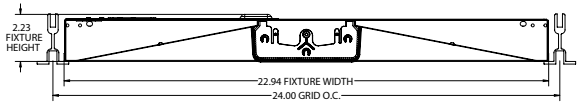
Size Chart

		Imperial		Metric	
		24" O.C	48" O.C	600mm O.C	1200mm O.C
Gordon Grid Pro	DCGP	Height	2 3/4"	70 mm	
		Net Opening	23 11/32"	583 mm	1183 mm
		Net Clearance	22 1/2"	562 mm	1162 mm
Gordon Grid Max	DCGM	Height	3 13/16"	92 mm	
		Net Opening	23 11/32"	583 mm	1183 mm
		Net Clearance	22 1/2"	549 mm	1149 mm
Gordon 3.0	DCG3	Height	2 3/8"		
		Net Opening	23 11/32"		
		Net Clearance	22 1/2"		
Tate Grid Imperial	DCTG	Height	2"		
		Net Opening	23 11/32"		
		Net Clearance	22 7/16"		
Tate Grid+ LEC	DCTLEC	Height	2 3/4"		
		Net Opening	23 11/32"		
		Net Clearance	22 7/16"		
Tate Grid DUO	DCTD	Height	3 13/16"		
		Net Opening	23 1/4"		
		Net Clearance	22 11/32"		
PICS GRID	PICS	Height	3 1/4"		
		Net Opening	23 1/2"		
		Net Clearance	22 7/16"		
Dynamax Grid	ADYN	Height	2 3/8"		
		Net Opening	23 21/64"		
		Net Clearance	22"		
Dynamax Plus Grid	ADYP	Height	3 5/8"		
		Net Opening	23 1/8"		
		Net Clearance	22"		

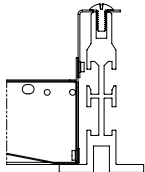
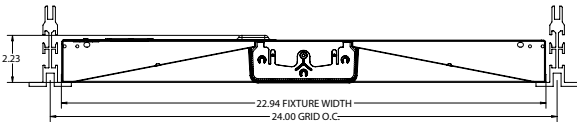
Dimensions



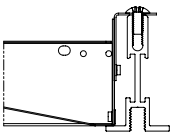
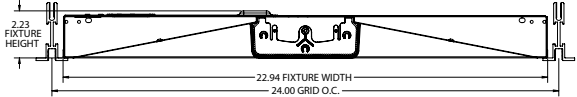
Gordon Imperial



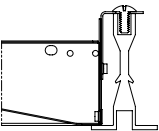
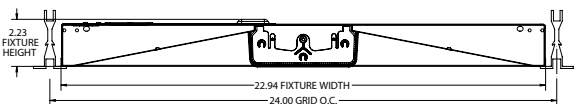
Gordon Max Imperial



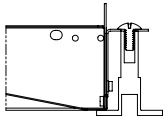
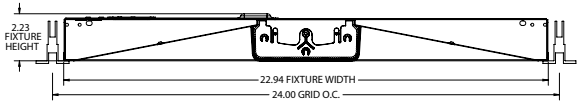
Gordon Pro Imperial



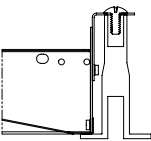
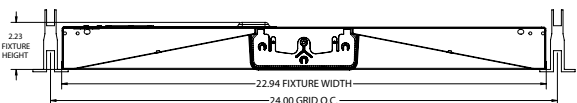
Tate LEC Imperial



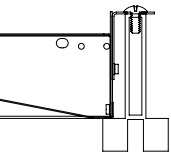
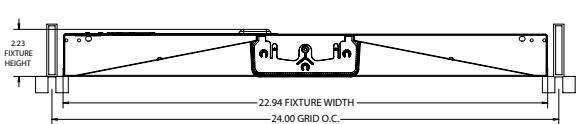
Tate Grid Imperial



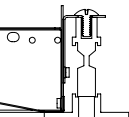
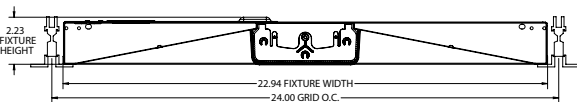
Tate DUO Imperial



PICS Imperial



Dynamax Imperial



Accessories & Replacement Parts

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter/ 2-hour Runtime
ILB CP10 A	10W	90	1200	
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
ILBLP CP10 HE SD A	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.

*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

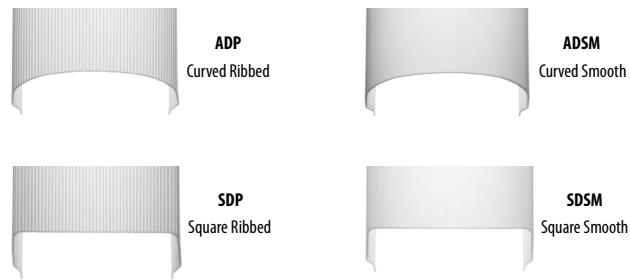
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

BSE Labeling Options	
BSE10	Drivers load transfer relay installed per manufacturer's instructions. Voltage, BGTD and BSE10 called out.
BSE14	One voltage fixture with driver load control relay supplied with one prewire (PWS option). Prewire wired for normal circuit, the control relay for emergency circuit left unconnected. Voltage, BGTD, BSE14 and prewire called out, in the description.

*For configurations with Reloc or two voltages an RFA modification is required

Multiple Diffuser Options





Performance You Can Count On

SensorSwitch™ offers standalone wired lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

Sensorswitch.com

Wired Embedded Controls



BLT Series

1. Install the luminaires with embedded controls
2. Install and wire the wall switch to power.
3. Connect load and 0-10 dimming wires from the wall switch to the luminaires.





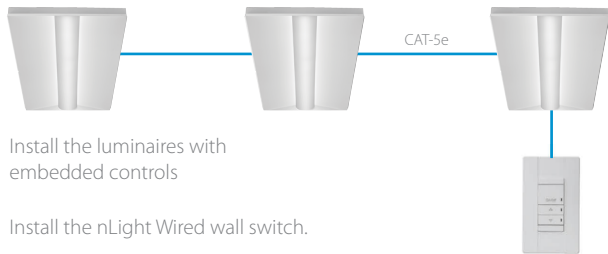
Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLIGHT® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more.

nLIGHT also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLIGHTcontrols.com

Wired Embedded Controls



1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch.
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play).

nLight nPODMA DX

Wireless Embedded Controls



1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CLAIRITY + mobile app to pair the fixture with the wall switch and is desired, customize the sensor settings

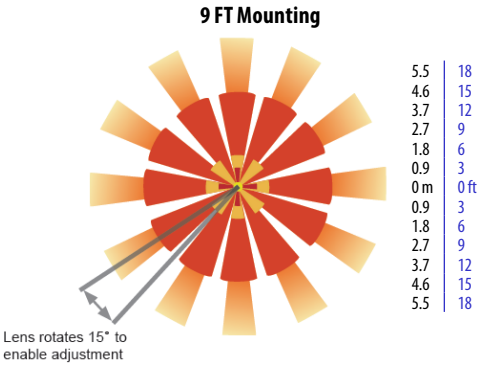
nLight nPODBA 2P DX

Mobile Device

Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPDT7			X	X	
NESPDT7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

Sensor Coverage Pattern
Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor



Embedded Controls by SensorSwitch

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

nLight AIR Wireless

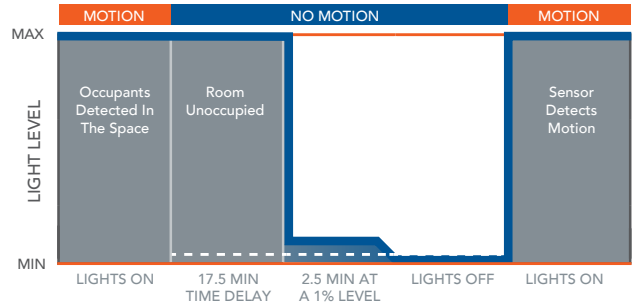
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

A luminaire with a wired nLight sensor

The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

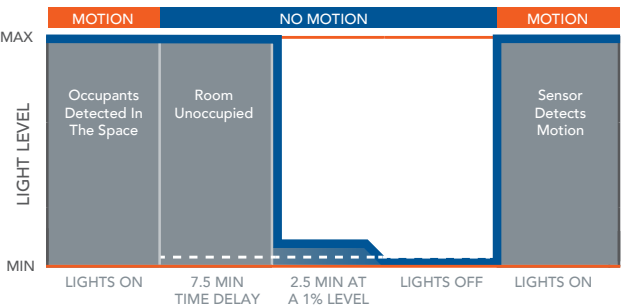
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPDT7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)



*The presetting on the automatic dimming photocell is 5fc.

Sequence of Operation (nES7 and rES7 and Sensor)



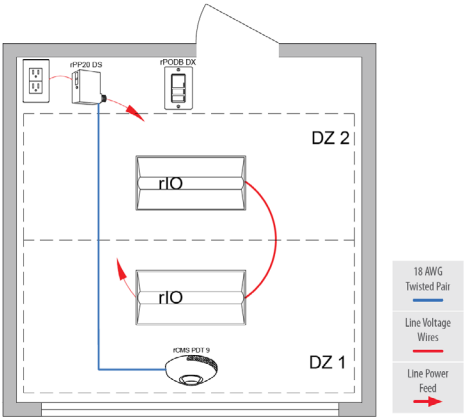
*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

Controls Accessories

nLight® Wired Control Accessories: <i>Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.</i>			
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	Model number	Cat-5 cable (plenum rated)	Model number
Full range dimming	nCM ADCX RJB	10' cable	CAT5 10FT J1
		30' cable	CAT5 30FT J1

nLight® AIR Control Accessories: <i>Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.</i>	
Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODB A2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2

BLT fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.



rCMS¹										Example: RCMS PDT 10 AR G2	
Series / Detection		Power Supply¹		Occupancy Detection		Lens (Required)		Operating Mode		Generation	
RCMS	nLight AIR occupancy and daylight sensor	[blank]	Power Supply ordered separately	[blank] PDT	PIR Detection Dual Tech PIR/ Microphonics	10	Large Motion/ Extended Range 360°	[BLANK] AR	None Auxiliary Relay	G2	Generation 2 compatibility
		PS 150	Standard 150 mA Power Supply			9	Small Motion/ Extended Range 360°				
						6	High Bay 360° Lens				

Notes
1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.



Sensor Switch
WSX



nLight WIRED
NPOD UNITOUCH



nLight WIRED
nPODMA DX



nLight AIR
rPODBA



BLT with rIO



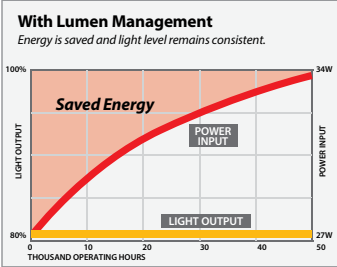
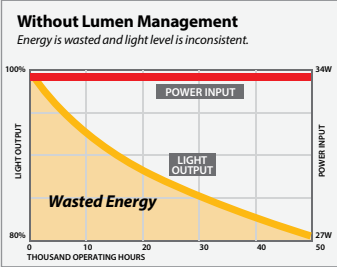
rPODBA



RCMS

Constant Lumen Management

Enabled by the embedded nLight control, the BLT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.



PHOTOMETRICS

Please click link to access [Photometry & Revit \(BIM\)](#)

UNIFIED GLARE RATING (UGR)

Lumen Package	UGR Values of BLT 1x4 @ 80CRI and 3500K															
	UGR (70% 50% 20% reflectance using a 4H x 8H room size)															
	ADP		ADPT		ADSM		ADSMT		SDP		SDPT		SDSM		SDSMT	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
15L	16.9	18.4	17	18.2	17	18.3	16.9	18.4	17	18.4	16.8	18.2	17.2	18.3	16.9	18.1
15LHE	17	18.5	17.1	18.4	17.2	18.5	17	18.5	17.2	18.5	17	18.4	17.3	18.4	17.1	18.2
20L	18.2	21.7	18.2	21.6	18.4	21.7	18.1	21.3	18.4	21.4	18.2	21.2	18.4	21.1	18.2	21.1
20LHE	17.9	19.4	18	19.2	18.1	19.4	17.9	19.4	18.1	19.4	17.9	19.3	18.2	19.3	18	19.1
30L	19.6	23.1	19.6	23	19.8	23.1	19.5	22.7	19.8	22.8	19.5	22.6	19.8	22.5	19.6	22.5
30LHE	19.5	23.1	19.5	20.8	19.6	20.9	19.4	20.9	19.6	21	19.4	20.8	19.7	20.8	19.5	20.6
40L	20.5	22	20.1	23.5	20.3	23.6	20.1	23.2	20.3	23.4	20.1	23.1	20.3	23.1	20.1	23
40LHE	20.6	22.1	20.7	22	20.8	22.1	20.6	22.1	20.8	22.2	20.6	22	20.9	22	20.7	21.8
48L	21.1	22.6	21	24.4	21.2	24.5	21	24.1	21.2	24.3	21	24	21.2	24	21	23.9
48LHE	20.8	24.3	20.8	24.2	21	24.3	20.7	23.9	21	24	20.8	23.8	21	23.7	20.8	23.7
60L	21.6	25.2	21.6	25	21.8	25.1	21.6	24.7	21.9	24.9	21.6	24.6	21.8	24.6	21.6	24.5
60LHE	21.3	24.8	21.3	24.7	21.5	24.8	21.2	24.4	21.5	24.5	21.2	24.3	21.5	24.2	21.3	24.2

UNIFIED GLARE RATING (UGR)

Lumen Package	UGR Values of BLT 2x2 @ 80CRI and 3500K															
	UGR (70% 50% 20% reflectance using a 4H x 8H room size)															
	ADP		ADPT		ADSM		ADSMT		SDP		SDPT		SDSM		SDSMT	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
20L	17.8	21.6	17.8	21.8	17.7	21.4	18	21.1	18.3	21.3	18	21	18.1	21.5	18	20.9
20LHE	17.6	21.5	17.6	21.6	19.5	22.8	17.6	21.5	17.8	21.4	17.6	21.5	17.9	21.3	17.9	21.4
33L	19.5	23.3	19.5	22.8	19.9	23.2	19.3	22.4	19.6	22.6	19.3	22.3	19.6	22.3	19.4	22.2
33LHE	19.7	23.3	19.7	23.1	20.5	23.7	19.7	22.8	20	23	19.7	22.7	19.8	23.2	19.8	22.6
40L	20.2	24	20.3	23.7	20.5	23.8	20.2	24	20.5	23.5	20.2	23.2	20.5	23.2	20.3	23.2
40LHE	20.2	24.1	20.3	23.7	20.9	24.6	20.2	23.4	20.5	23.5	20.2	23.3	20.5	23.2	20.3	23.2
48L	20.8	24.6	20.7	24.8	20.9	24.6	20.8	24.6	21	24.5	20.7	24.6	21	24.5	21	24.5
48LHE	20.7	24.3	20.7	24.1	20.9	24.2	20.8	24.6	21	24	20.7	23.7	20.9	23.7	20.8	23.6

UNIFIED GLARE RATING (UGR)

Lumen Package	UGR Values of BLT 2x4 @ 80CRI and 3500K															
	UGR (70% 50% 20% reflectance using a 4H x 8H room size)															
	ADP		ADPT		ADSM		ADSMT		SDP		SDPT		SDSM		SDSMT	
	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise	Crosswise	Endwise
30L	16.7	20.5	16.6	20.7	16.8	20.5	16.7	20.5	16.9	20.4	16.6	20.5	16.9	20.4	16.9	20.4
30LHE	16.8	20.7	16.8	20.8	16.9	20.6	16.8	20.7	17	20.6	16.8	20.7	17.1	20.5	17.1	20.6
40L	17.7	21.5	17.7	21.7	17.8	21.5	17.7	21.5	17.8	21.4	17.7	21.6	18	21.4	18	21.5
40LHE	17.8	21.6	17.8	21.8	17.9	21.6	17.8	21.6	18	21.5	17.7	21.6	18.1	21.5	18	21.6
48L	18.5	22.3	18.4	22.5	18.5	22.3	18.5	22.3	18.7	22.2	18.4	22.3	18.7	22.1	18.7	22.2
48LHE	18.3	22.2	18.3	22.3	18.4	22.1	18.3	22.2	18.5	22.1	18.3	22.2	18.6	22	18.6	22.1
60L	19.1	23	19.1	23.1	19.2	22.9	19.1	23	19.3	22.9	19.1	23	19.4	22.8	19.4	22.9
60LHE	19.1	22.9	19	23.1	19.1	22.9	19.1	22.9	19.3	22.8	19	22.9	19.3	22.7	19.3	22.8
72L	19.8	23.6	19.7	23.8	19.9	23.6	19.8	23.6	20	23.5	19.7	23.6	20.1	23.5	20	23.5
72LHE	19.7	23.6	19.7	23.7	19.8	23.5	19.7	23.6	19.9	23.5	19.7	23.6	20	23.4	20	23.5
85L	20.4	24.2	20.3	24.4	20.4	24.1	20.4	24.2	20.6	24.1	20.3	24.2	20.6	24	20.6	24.1
85LHE	20.2	24	20.2	24.2	20.3	24	20.2	24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100L	20.8	24.7	20.8	24.8	20.9	24.6	20.8	24.7	21	24.6	20.8	24.7	21.1	24.5	21.1	24.6
120L	21.5	25.3	21.4	25.5	21.5	25.2	21.4	25.3	21.6	25.2	21.4	25.3	21.7	25.1	21.7	25.2

2X2 Performance Data			
Model Number	Lumens	LPW	Watts
BLTDTC 2X2 20L ADP EZ1 (GZ1, GZ10) LP840	2092	127.8	16.4
BLTDTC 2X2 20L ADP EZ1 (GZ1, GZ10) LP835	2036	124.4	16.4
BLTDTC 2X2 20L ADPT EZ1 (GZ1, GZ10) LP840	2061	125.9	16.37
BLTDTC 2X2 20L ADPT EZ1 (GZ1, GZ10) LP835	2008	122.7	16.37
BLTDTC 2X2 33L ADP EZ1 (GZ1, GZ10) LP835	3300	124.6	26.5
BLTDTC 2X2 33L ADP EZ1 (GZ1, GZ10) LP840	3391	128.1	26.5
BLTDTC 2X2 33L ADPT EZ1 (GZ1, GZ10) LP840	3343	126.3	26.5
BLTDTC 2X2 33L ADPT EZ1 (GZ1, GZ10) LP835	3254	122.9	26.5
BLTDTC 2X2 40L ADP EZ1 (GZ1, GZ10) LP835	4034	130.2	31
BLTDTC 2X2 40L ADP EZ1 (GZ1, GZ10) LP840	4144	133.8	31
BLTDTC 2X2 40L ADPT EZ1 (GZ1, GZ10) LP835	3977	128.4	31
BLTDTC 2X2 40L ADPT EZ1 (GZ1, GZ10) LP840	4086	131.9	31
BLTDTC 2X2 48L ADP EZ1 (GZ1, GZ10) LP835	5022	117.2	42.9
BLTDTC 2X2 48L ADP EZ1 (GZ1, GZ10) LP840	5159	120.4	42.9
BLTDTC 2X2 48L ADPT EZ1 (GZ1, GZ10) LP835	4951	115.5	42.9
BLTDTC 2X2 48L ADPT EZ1 (GZ1, GZ10) LP840	5087	118.7	42.9

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Ouput power of emergency driver. P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

2X2 HE Performance Data			
Model Number	Lumens	LPW	Watts
BLTDTC 2X2 20LHE ADP EZ1 (GZ1, GZ10) LP835	1939	132.3	14.7
BLTDTC 2X2 20LHE ADP EZ1 (GZ1, GZ10) LP840	1992	135.9	14.7
BLTDTC 2X2 20LHE ADPT EZ1 (GZ1, GZ10) LP840	1964	134.0	14.7
BLTDTC 2X2 33LHE ADP EZ1 (GZ1, GZ10) LP835	3247	133.0	24.4
BLTDTC 2X2 33LHE ADP EZ1 (GZ1, GZ10) LP840	3336	136.7	24.4
BLTDTC 2X2 33LHE ADPT EZ1 (GZ1, GZ10) LP835	3202	131.1	24.4
BLTDTC 2X2 33LHE ADPT EZ1 (GZ1, GZ10) LP840	3290	134.7	24.4
BLTDTC 2X2 40LHE ADP EZ1 (GZ1, GZ10) LP835	4044	135.5	29.9
BLTDTC 2X2 40LHE ADP EZ1 (GZ1, GZ10) LP840	4155	139.2	29.9
BLTDTC 2X2 40LHE ADPT EZ1 (GZ1, GZ10) LP835	3987	133.6	29.9
BLTDTC 2X2 40LHE ADPT EZ1 (GZ1, GZ10) LP840	4096	137.2	29.9
BLTDTC 2X2 48LHE ADP EZ1 (GZ1, GZ10) LP835	4944	139.8	35.4
BLTDTC 2X2 48LHE ADP EZ1 (GZ1, GZ10) LP840	5080	143.6	35.4
BLTDTC 2X2 48LHE ADPT EZ1 (GZ1, GZ10) LP835	4875	137.8	35.4
BLTDTC 2X2 48LHE ADPT EZ1 (GZ1, GZ10) LP840	5009	141.6	35.4

2X4 Performance Data			
Model Number	Lumens	LPW	Watts
BLTDTC 2X4 30L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3188	141.56	22.5
BLTDTC 2X4 30L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3276	145.44	22.5
BLTDTC 2X4 30L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3201	142.13	22.5
BLTDTC 2X4 40L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4197	137.81	30.5
BLTDTC 2X4 40L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4312	141.58	30.5
BLTDTC 2X4 40L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4102	134.67	30.5
BLTDTC 2X4 40L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4214	138.36	30.5
BLTDTC 2X4 48L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	5032	128.09	39.3
BLTDTC 2X4 48L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	5169	131.6	39.3
BLTDTC 2X4 48L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4917	125.17	39.3
BLTDTC 2X4 48L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	5052	128.6	39.3
BLTDTC 2X4 60L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	6083	130.54	46.6
BLTDTC 2X4 60L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	6250	134.12	46.6
BLTDTC 2X4 60L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5944	127.57	46.6
BLTDTC 2X4 60L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	6107	131.06	46.6
BLTDTC 2X4 72L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	7493	126.6	59.2
BLTDTC 2X4 72L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7322	123.7	59.2
BLTDTC 2X4 72L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7322	123.69	59.2
BLTDTC 2X4 72L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	7523	127.08	59.2
BLTDTC 2X4 85L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	8572	128.43	66.7
BLTDTC 2X4 85L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	8699	130.33	66.7
BLTDTC 2X4 85L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	8377	125.5	66.7
BLTDTC 2X4 85L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	8501	127.36	66.7
BLTDTC 2X4 120L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	11716	130.63	89.7
BLTDTC 2X4 120L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	11889	132.56	89.7
BLTDTC 2X4 120L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	11449	127.65	89.7
BLTDTC 2X4 120L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	11619	129.54	89.7

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Ouput power of emergency driver. P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

2X4 HE Performance Data			
Model Number	Lumens	LPW	Watts
BLTDTC 2X4 30LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3138	135.16	23.2
BLTDTC 2X4 30LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3224	138.86	23.2
BLTDTC 2X4 30LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3067	132.08	23.2
BLTDTC 2X4 30LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3151	135.7	23.2
BLTDTC 2X4 40LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4111	142.98	28.8
BLTDTC 2X4 40LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4224	146.9	28.8
BLTDTC 2X4 40LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4018	139.73	28.8
BLTDTC 2X4 40LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4128	143.55	28.8
BLTDTC 2X4 48LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	5424	158.16	34.3
BLTDTC 2X4 48LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	5573	162.5	34.3
BLTDTC 2X4 48LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5301	154.56	34.3
BLTDTC 2X4 48LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	5446	158.8	34.3
BLTDTC 2X4 60LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	5970	139.64	42.8
BLTDTC 2X4 60LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	6134	143.46	42.8
BLTDTC 2X4 60LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5834	136.46	42.8
BLTDTC 2X4 60LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	5994	140.19	42.8
BLTDTC 2X4 72LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	7275	144.19	50.5
BLTDTC 2X4 72LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	7475	148.14	50.5
BLTDTC 2X4 72LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7110	140.91	50.5
BLTDTC 2X4 72LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	7304	144.77	50.5
BLTDTC 2X4 85LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	8162	130.76	62.4
BLTDTC 2X4 85LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	8283	132.69	62.4
BLTDTC 2X4 85LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7977	127.78	62.4
BLTDTC 2X4 85LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	8095	129.67	62.4