LITHONIA LIGHTING®

DIGITAL NAVIGATION

Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a dean, 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 BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

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

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

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. A typically configured 2BLT2 features a **Unified Glare Rating (UGR)** starting at 18, UGR data available on page 8. 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).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: 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 them 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 and 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 model 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.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR— 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. See page 4 for more details on the integrated sensor.

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 4 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 a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart 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 X for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. Designed for use in NEMA standard Type G (1" & 15/16"), NFG (9/16"), and SS (9/16") grid ceilings. Consult factory about other ceiling types.

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

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for use in ISO 5-9 positive and negative pressure clean rooms.

DesignLights Consortium[®] (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at <u>www.designlights.org/QPL</u> to confirm which versions are qualified.

GOVERNMENT PROCUREMENT — BAA – Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

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.

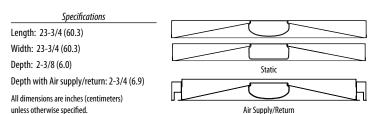
Ribbed Reflector Option

Catalog

Number

Notes

Туре



eldoLED

Embed nLight controls today. Prepare for tomorrow.



****** 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.

ds design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit <u>www.acuitybrands.com/designselect</u>. *See ordering tree for details

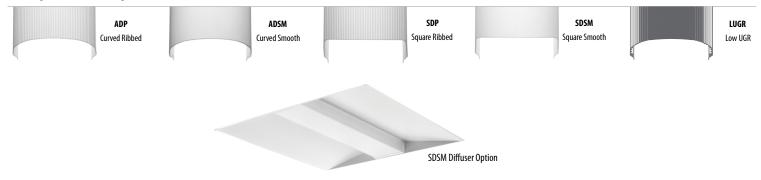
BABA

DRDERING INFORM	IATION Lead ti	mes will vary de	pending on o	tions selected. Co	nsult with your sales re	presentative.			Example: 2	BLT2 33L ADP EZ1 LP		
BLT2												
eries	Fixture Style	Air function	Lu	nens ‡	Diff	user	Voltage	Driver		Color temperature		
28LT2 2X2 BLT	(blank) Smooth Reflector RB Ribbed Reflector	A Air	Standard efficiency # (>125 LPW) High efficiency # (>130 LPW) ADP Curved, ribbed ADSM (blank) MVOLT Yeturn # 20L 2000 20LHE 2000 SDP Square, smooth UGR lens# 120 207 277 277V 33L 3300 33LHE 3300 40LHE 4000 40LHE 4000 40LHE 4000 ADPT Curved, ribbed 347 347V # ADPT Curved, ribbed ADPT Curved, ribbed ADP ADP Curved, ribbed 447 347V # ADPT Curved, ribbed ADP Curved, ribbed ADP Curved, ribbed 447 347V # ADPT Curved, ribbed ADSMT Curved, ribbed ADP Curved, ribbed 447 447 447 ADPT Curved, ribbed ADSMT Curved, ribbed 5DP Square, smooth 5DP Square, smooth 5DP Square, smooth 447 447 447 ADPT Curved, ribbed SDSMT Square, smooth SDSMT Square, smooth 5DP Square, smooth 5DP 5DSMT Square,						eldoLED dims to 1% (0-10 volt dimming) Dims to 1% (0-10V dimming) Dims to 10% (0-10V dimming) Step-level dimming ‡	LP830 82CRI, 3000 LP835 82CRI, 3500 LP840 82CRI, 4000 LP850 82CRI, 5000 LP930 90CRI, 3000 LP935 90CRI, 3500 LP940 90CRI, 4000 LP950 90CRI, 5000		
ight Interface			Control ‡									
Light Wired			nLight Wi	red					Individual Co	ontrol		
-	ht [®] interface		(blank)	No sensor co	ontrol		MSD7ADCX	PIR integral occupanc				
30 nLight w	vith 80% lumen manage	ment	NES7	nLight™ nES	7 PIR integral occupancy	r sensor ‡				sensor with automati dimming control		
80EMG nLight v	vith 80% lumen manag	jement	NESPDT7	nLight™ nES	PDT 7 dual technology i	ntegral occupancy control ‡				photocell ‡		
	with generator supply		NES7ADCX	3	5	pancy sensor with automation	51		MSDPDT7ADCX	PDT integral occupance		
3	vithout lumen manage		NESPDT7A	OCX nLight™nES	PDT 7 dual technology i	ntegral occupancy sensor wit		sensor with automati dimming control				
	vithout lumen manage with generator supply		nLight Wi	reless				photocell ‡				
Light Wireless	initi generator suppry		RES7	nLight AIR c	ontrol with PIR integra	occupancy sensor and auto	JOT	Wireless room control				
-	nt ® interface			5	,	. ,		with "Just One				
	IR Generation 2 enabled	+	RES7PDT			chnology integral occupanc	1071/7/45	Touch" pairing ‡ Wireless occupancy				
		+	5 · · · · · · · · · · · · · · · · · · ·									
			RIO nLight AIR radio module without sensor ‡							Touch" pairing ‡		
			KES/EM	RES7EM nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection #								
			RES7PDTE									
				and UL924 E	mergency Operation, w	ia power interrupt detectio	n‡	•				
			RIOEM		adio module less senso	r, with UL924 Emergency O	peration, via power inf	errupt				
				detection ‡								
andy Mode	Option	ne -										
•												
IOC NOC Occupa sensor disat		Disconnect Plu		.I.	СР	Chicago plenum ‡			LR Fast-blowi	5		
sensor upur	EL7L	/00 lum (Noncon	en battery pa opliant with (ск А Т20) ‡	BGTD PWS1836	Bodine Generator Transf 6' pre-wire, 3/8" diamet			MF Slow-blow PLT Narrow pa	5		
	EL14L	1400 lur	nen battery p	ack	PWS1836 PWS1846	6' pre-wire, 3/8'' diamet			•	ady luminaire ‡		
		(Noncon	npliant with (A T20) ‡	PWS1846 PWS1846 PWSLV	• •	, , , , , , , , , , , , , , , , , , , ,		ATC Earthquak	,		
	E10W	LCP EM Self-	Diagnostic ba	ttery pack,	1 W 3 1040 P W 3L	18 gauge, 2 circuits; one			VH Glossy Wh			
			stant Power, 20 MAEDBS ‡	certinea in		diameter, 18 gauge ‡			WAM Anti-Micro			
	E10W		cy battery pa	k,	PWS1856LV	6' pre-wire, 3/8" diamete	er, 18 gauge, 1 circuit		P28 Job packad	•		
			with STAR ‡			w/ low voltage wires ‡			P44 Job packag	, ,		
										liffuser compartment		
									to meet IP!			
								В		ca(n) Act and/or Build uy America Qualified		



	‡ Option Value Ordering Restrictions
Option value	Restriction
347	Not available with SLD, EL7L, EL14L, or E10WLCP options.
A	Not available with RB fixture style, consult factory for air flow data. If a job pack is selected, use JP28 only.
BGTD	Not available with JOT, JOTVTX15 sensor options or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Example: BGTD BSE10.
Control	Must specify diffuser with trim rings.
СР	Not available with N80, N80EMG, N100, N100EMG, PWS1836, PWS1846, PWS1846 PWSLV or PWS1856LV.
E10WSTAR	Not compatible with 347V.
EL7L, EL14L, E10WLCP	When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
IP5X	Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.
JOT, JOTVTX15	Not available with SLD, nLight, NLTAIR2, NOC, or BGTD options.
JP28	Only available with options: NES7, NESPDT7, NES7ADCX, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO, JOT, JOTVTX15. Not available when sensor options combined with 'A' air supply return option.
JP44	Not available with NES7, NESPDT7, NES7ADCX, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO, JOT, JOTVTX15. Not available 'A' air supply return option. Not available with battery and PWS together.
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.
LUGR, LUGRT	Due to the unique optics used to drive the low UGR distribution, the LUGR lens is not uniformly lit and presents visible striping.
MSD7ADCX, MSDPDT7ADCX	Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
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.
NOC	Can only be ordered in conjunction with EZ1 or GZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
N80EMG, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
PWS1846 PWSLV, PWS1856LV	Not available with nLIGHT wired network or individual controls
RES7, RES7PDT, 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, RES7PDTEM, RIOEM	See UL924 Sequence of Operation chart on page 3. Not available with GZ10 or GZ1 driver.
RRL_	For ordering logic consult: RRL_2013.
SLD	Not available with any nLight Interface or Control options.

Multiple Diffuser Options

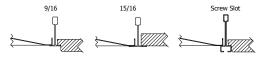


Non-Configurable BLT

Stock/MT0	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT2 33L ADP LP835	190887529708	3332	26.67	124.92	3500K/82 CRI	120-277	56
	2BLT2 33L ADP LP840	190887529739	3385	26.67	126.91	4000K/82CRI	120-277	56
	2BLT2 33L ADP EL14L LP835	190887529890	3332	26.67	124.92	3500K/82CRI	120-277	56
	2BLT2 33L ADP EL14L LP840	190887529937	3385	26.67	126.91	4000K/82CRI	120-277	56

*Generic 0-10V Dimming to 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 24-3/4" (Tolerance is +1/8",-0").

ι	JL924 Sequence of Operation
TI	he below information applies to all nLight AIR devices with an EM option.
•	EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
•	Using the CL AIR ITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
•	Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

🜔 LITHONIA LIGHTING

Accessories & Replacement Parts

Accessories: Order as separate catalog number.							
DGA22	Drywall grid adapter for 2x2 recessed fixture						
2X2SMKSHP PAF	Surface Mount Troffer Kit Post Paint						
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1						
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1						
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10						
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40						

Replacemen	it Parts: Order as separate catalog number.	
*247WJV	2DBLT24 ADP LENS ASSEMBLY	2 ft. replacement lens
*249P2P	2DBLT24 SDP LENS ASSEMBLY	2 ft. replacement lens
*249P2W	2DBLT24 ADSM LENS ASSEMBLY	2 ft. replacement lens
*249P32	2DBLT24 SDSM LENS ASSEMBLY	2 ft. replacement lens
*237LT1	2DBLT24 ADPT LENS ASSEMBLY	2 ft. replacement lens
*237LT3	2DBLT24 SDPT LENS ASSEMBLY	2 ft. replacement lens
*237LT5	2DBLT24 ADSMT LENS ASSEMBLY	2 ft. replacement lens
*237LT7	2DBLT24 SDSMT LENS ASSEMBLY	2 ft. replacement lens
*237LT9	2DBLT24 ADPT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M4Y	2DBLT24 SDPT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M57	2DBLT24 ADSMT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M5H	2DBLT24 SDSMT SENSOR LENS ASSEMBLY	2 ft. replacement lens

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
<u>ILB CP07 2H A</u>	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 <u>techsupport@iotaengineering.com</u> 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



Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the ClAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:



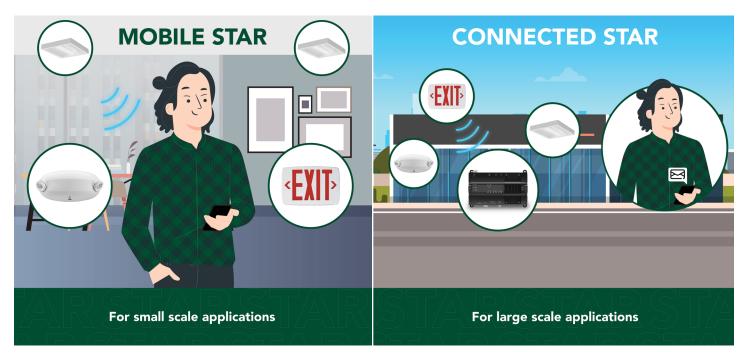
Testing for 30 seconds every 30 days



Testing for 90 minutes once a year



Record keeping and to report to the authority having local jurisdiction



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.

1. Power: Install JOT enabled fixtures and controls as instructed.

Pair: Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
Play: Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



nLight Platform

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

nLight Air Wireless

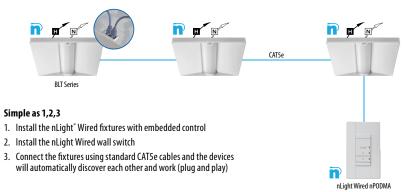


Simple as 1,2,3

- 1. Install the nLight[°] AIR fixtures with embedded smart sensor
- 2. Install the wireless battery-powered wall switch
- 3. With CLAIRITY+ app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



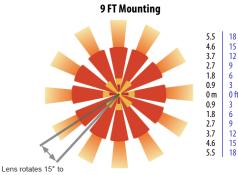
nLight Wired Networking



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

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



enable adjustment

Integrated Sensor with Individual Control

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.

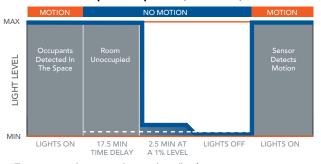
nLight AIR Wireless

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.

nLight Wired Networking

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.

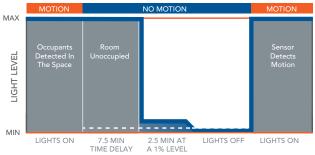
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPDT7ADCX includes an 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.

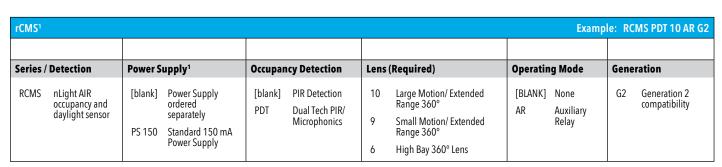
Sequence of Operation (nES7 and rES7 and Sensor)



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

Controls Accessories

n/Off nPODMA [Color] Small motion 360°, ceiling (PIR / dual tech) nCM 9 RJB / nCM PDT 9 RJB Wall switches n/Off & raise/lower nPODMA DX [Color] Large motion 360°, ceiling (PIR / dual tech) nCM 0 RJB / nCM PDT 9 RJB On/Off single pole n/off & raise/lower nPOD TOUCH [Color] Wall switch with raise/lower nWSX PDT LV DX [color] On/Off wo pole notcocell controls Model number Cat-5 cable (plenum rated) Model number On/Off & raise/lower sing all range dimming nCM ADCX RJB 10' cable CAT5 10FT J1 On/Off & raise/lower two 30' cable CAT5 30FT J1 CAT5 30FT J1 On/Off & raise/lower two	
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Notes

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

DZ 2

DZ 1

18 AWG Twisted Pair

Line Voltag Wires

rlO

rlO

 \square

D

Sensor Switch

WSX





nLight WIRED NPOD UNITOUCH

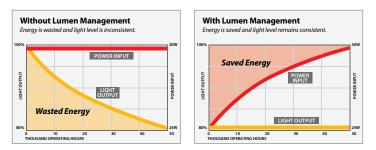
nLight WIRED nPODMA DX

nLight AIR rPODBA



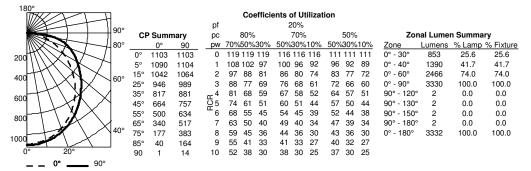
Constant Lumen Management

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.

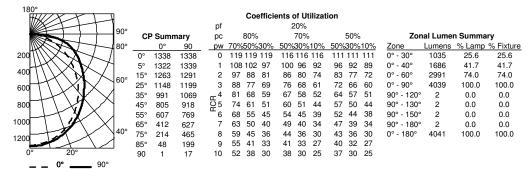


PHOTOMETRICS

2BLT2 33L ADP LP835, 3332 delivered lumens, test no. ISF36900P19, tested in accordance to IESNA LM-79



2BLT2 40L ADP LP835, 4041 delivered lumens, test no. ISF36900P35, tested in accordance to IESNA LM-79



UNIFIED GLARE RATING (UGR)

Lumen		UGR Values of BLT 2x2 @ 80CRI and 3500K UGR (70% 50% 20% reflectance using a 4H x 8H room size)																		
Package	AD	P	AD	PT	AD	SM	ADS		SE		SD		SD:	5M	SDS	MT	LU	GR	LUC	GRT
	Crosswise	Endwise	Crosswise	Endwise	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	16.3	17.9	17.6	18.2
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	16.1	17.7	17.4	18
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	18	19.6	19.3	19.8
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	17.9	19.5	19.2	19.8
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	18.7	20.3	20	20.5
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	18.7	20.3	20	20.5
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	19.4	21.1	20.7	21.3
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	19.4	21	20.7	21.2
								/							UGR and/or " e configuration					
			10 ueteri	nine a more	precise maxi		iue (Applica	uun-uun),	a run nynning	j uesigii iayu	ut siloulu be	completed v	iui uie selec	leu iumman	econnyuratio	JII IUI Eacii a	ppilcation			

🜔 LITHONIA LIGHTING

Performance Data								
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID			
2BLT2 20L ADP EZ1 (GZ1, GZ10) LP840	2092	127.8	16.4	Premium	PM92196A			
2BLT2 20L ADP EZ1 (GZ1, GZ10) LP835	2036	124.4	16.4	Premium	P6445UVD			
2BLT2 20L ADPT EZ1 (GZ1, GZ10) LP840	2061	125.9	16.37					
2BLT2 20L ADPT EZ1 (GZ1, GZ10) LP835	2008	122.7	16.37					
2BLT2 33L ADP EZ1 (GZ1, GZ10) LP835	3300	124.6	26.5	Premium	PHSXHE8F			
2BLT2 33L ADP EZ1 (GZ1, GZ10) LP840	3391	128.1	26.5	Premium	PD18CKQ8			
2BLT2 33L ADPT EZ1 (GZ1, GZ10) LP840	3343	126.3	26.5	Premium	PF98CZ2H			
2BLT2 33L ADPT EZ1 (GZ1, GZ10) LP835	3254	122.9	26.5	Premium	S-OIDCZL			
2BLT2 40L ADP EZ1 (GZ1, GZ10) LP835	4034	130.2	31	Premium	P1XWW9GV			
2BLT2 40L ADP EZ1 (GZ1, GZ10) LP840	4144	133.8	31	Premium	PHCQ2CQF			
2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP835	3977	128.4	31	Premium	PW6RMMJ4			
2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP840	4086	131.9	31	Premium	P5YYDAA8			
2BLT2 48L ADP EZ1 (GZ1, GZ10) LP835	5022	117.2	42.9	Standard	PJRH1R1G			
2BLT2 48L ADP EZ1 (GZ1, GZ10) LP840	5159	120.4	42.9	Standard	P8G93YOK			
2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP835	4951	115.5	42.9	Standard	PITU3V6X			
2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP840	5087	118.7	42.9	Standard	P5X2XU76			

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

 $\label{eq:power of emergency driver.} P = 10W for E10WLCP option. \\ LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.$ LPW = Lumen per watt rating of the luminaire spec sheet.LPW = Lumen per watt rating of the luminaire.LPW information available in Performance Data section.

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

HE Performance Data								
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID			
2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP835	1939	132.3	14.7	Premium	PUQCZNQI			
2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP840	1992	135.9	14.7	Premium	PJCZRW21			
2BLT2 20LHE ADPT EZ1 (GZ1, GZ10) LP840	1964	134.0	14.7	Premium	PLC4RF4L			
2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP835	3247	133.0	24.4	Premium	PXXZN9PH			
2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP840	3336	136.7	24.4	Premium	PKPJYYRF			
2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP835	3202	131.1	24.4	Premium	PZC8BZSS			
2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP840	3290	134.7	24.4	Premium	PM5G8AFU			
2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP835	4044	135.5	29.9	Premium	PJ55XFFP			
2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP840	4155	139.2	29.9	Premium	PEGFHPZD			
2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP835	3987	133.6	29.9	Premium	P8E16E9B			
2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP840	4096	137.2	29.9	Premium	PFRSSSVG			
2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP835	4944	139.8	35.4	Premium	P558XUZP			
2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP840	5080	143.6	35.4	Premium	P1863H56			
2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP835	4875	137.8	35.4	Premium	PHPTG5M8			
2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP840	5009	141.6	35.4	Premium	PBKN954Z			

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