



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header  4

 List View 

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Procurement Folder: 453736

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0211

Vendor ID: 

SO Doc ID: GSD1800000021

Legal Name: GRAYBAR ELECTRIC CO INC

Published Date: 6/7/18

Alias/DBA:

Close Date: 6/12/18

Total Bid: \$98,623.65

Close Time: 13:30

Response Date: 

Status: Closed

[Apply Default Values to Commodity Lines](#)

[View Procurement Folder](#)



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 453736
Solicitation Description : Addendum 1 - LED Light Fixtures and Accessories
Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2018-06-12 13:30:00	SR 0211 ESR06121800000005850	1

VENDOR
000000103427 GRAYBAR ELECTRIC CO INC

Solicitation Number: CRFQ 0211 GSD1800000021

Total Bid : \$98,623.65 **Response Date:** 2018-06-12 **Response Time:** 12:10:32

Comments:

FOR INFORMATION CONTACT THE BUYER
 Linda B Harper
 (304) 558-0468
 linda.b.harper@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Light emitting diode LED fixture	1380.00000	EA	\$58.330000	\$80,495.40

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : HOLOPHANE /ACUITY TROFFER LIGHT FIXTURE LED
Part No. HVT 2x4 DOP 3900LM 35K MVOLT MIN10 80CRI ZT JP10, or equal

Comments: ALTERNATE LITHONIA 2BLT4 40L ADSM GZ10 LP835 LATC

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Light emitting diode LED fixture	35.00000	EA	\$214.580000	\$7,510.30

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : HOLOPHANE/ ACUITY TROFFER LIGHT FIXTURE LED- EMERGENCY w/ BATTERY
Part No. HVT 2x4 DOP 3900LM 35K MVOLT MIN10 80CRI ZT BR JP10, or equal

Comments: ALTERNATE LITHONIA 2BLT4 40L ADSM GZ10 EL14L LP835 LATC

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Light emitting diode LED fixture	65.00000	EA	\$53.130000	\$3,453.45

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : HOLOPHANE/ACUITY TROFFER LIGHT FIXTURE LED
Part No. HVT 2x2 DOP 3900LM 35K MVOLT MIN10 80CRI ZT JP 10, or equal

Comments: ALTERNATE LITHONIA 2BLT2 40L ADSM GZ10 LP835 LATC

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Interior lighting fixtures and accessories	350.00000	EA	\$1.720000	\$602.00

Comm Code	Manufacturer	Specification	Model #
39111500			

Extended Description :	HOLOPHANE FIXTURE EARTH QUAKE STABILITY CLIPS Part No. 2x4 EC EARTHQUAKE CLIPS (PACKAGE OF 4), or equal
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Comments: ALTERNATE LITHONIA LATC 20SETSOFF4 J80

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Interior lighting fixtures and accessories	150.00000	EA	\$43.750000	\$6,562.50

Comm Code	Manufacturer	Specification	Model #
39111500			

Extended Description :	HOLOPHANE / ACUITY dimming and OCUPANCY SENSOR WALL SWITCH Part No. WSX PDT D WH (120/277V) with matching wall plate included, or equal
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Comments: ALTERNATE SENSOR SWITCH WSX PDT D WH



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 27 - Miscellaneous

Proc Folder: 453736

Doc Description: LED Light Fixtures and Accessories for Bldg 32 & 34

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-05-31	2018-06-12 13:30:00	CRFQ 0211 GSD1800000021	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Crawbar Electric
1010 Young Street
Charleston WV 25301
304-206-3600 OFFICE

FOR INFORMATION CONTACT THE BUYER

Linda B Harper
 (304) 558-0468
 linda.b.harper@wv.gov

Signature X

FEIN #

13079438001

DATE

6/12/18

All offers subject to all terms and conditions contained in this solicitation

EXHIBIT A - PRICING PAGE
GSD453736 BUILDING 32 & 34 LIGHTING PROJECT

Item #	Item Description	Alternative Bid Item Manufacturer and Item Number	Unit Price	Qty	Extended Price
3.1.1	Holophane Troffer LED Light Fixture, Part No. HVT 2X4 DOP 3900LM 35K MVOLT MIN 10 80CRI ZT JP10, or equal.	Lithonia 2BLT4 40L ADSM GZ10 LP835 LATC	\$ 58.33	1380	\$ 80,495.40
3.1.2	Holophane Troffer LED Light Fixture, Part No. HVT 2X4 DOP 3900LM 35K MVOLT MIN 10 80CRI ZT BR JP10, or equal.	Lithonia 2BLT4 40L ADSM GZ10 EL14L LP835 LATC	\$ 214.58	35	\$ 7,510.30
3.1.3	Holophane Troffer LED Light Fixture, Part No. HVT 2X2 DOP 3900LM 35K MVOLT MIN 10 80CRI ZT JP10, or equal.	Lithonia 2BLT2 40L ADSM GZ10 LP835 LATC	\$ 53.13	65	\$ 3,453.45
3.1.4	Seismic Lighting Fixture Clamp	Lithonia LATC 20SETSOFF4 J80	\$ 1.72	350	\$ 602.00
3.1.5	Acuity Controls, Dimming and Occupancy Sensor Wall Switch, Part No. WSX PDT D WH, or equal.	Sensor Switch WSX PDT D WH	\$ 43.75	150	\$ 6,562.50
Total Bid Amount (includes shipping charges)					\$ 98,623.65

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division for the Agency, The West Virginia Department of Administration's, General Services Division is soliciting bids from qualified vendors to establish a "One-Time" contract for the purchase of LED Light Fixtures and Accessories per the Specifications, Terms & Conditions and bid requirements as attached.

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Light emitting diode LED fixture	1380.00000	EA		

Comm Code	Manufacturer	Specification	Model #
39111544	Lithonia	2BLTA 40L ADSM GZ10	LP835 LATC

Extended Description :
HOLOPHANE /ACUITY TROFFER LIGHT FIXTURE LED
Part No. HVT 2x4 DOP 3900LM 35K MVOLT MIN10 80CRI ZT JP10, or equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Light emitting diode LED fixture	35.00000	EA		

Comm Code	Manufacturer	Specification	Model #
39111544	Lithonia	2BLT4 40L ADSM GZ10	EU4L LP835 LATC

Extended Description :
HOLOPHANE/ ACUITY TROFFER LIGHT FIXTURE LED- EMERGENCY w/ BATTERY
Part No. HVT 2x4 DOP 3900LM 35K MVOLT MIN10 80CRI ZT BR JP10, or equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US		STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Light emitting diode LED fixture	65.00000	EA		

Comm Code	Manufacturer	Specification	Model #
39111544	<i>Lithonia</i>	<i>2BLT2 40L ADSM G210 LP835 LATC</i>	

Extended Description :

HOLOPHANE/ACUITY TROFFER LIGHT FIXTURE LED
Part No. HVT 2x2 DOP 3900LM 35K MVOLT MIN10 80CRI ZT JP 10, or equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US		STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Interior lighting fixtures and accessories	350.00000	EA		

Comm Code	Manufacturer	Specification	Model #
39111500	<i>Lithonia</i>	<i>LATC JOBSITE-A 580</i>	

Extended Description :

HOLOPHANE FIXTURE EARTH QUAKE STABILITY CLIPS
Part No. 2x4 EC EARTHQUAKE CLIPS (PACKAGE OF 4), or equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US		STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV 99999 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Interior lighting fixtures and accessories	150.00000	EA		

Comm Code	Manufacturer	Specification	Model #
39111500	SENSOR SWITCH.	WSX PDT D WH.	

Extended Description :

HOLOPHANE / ACUITY dimming and OCUPANCY SENSOR WALL SWITCH
 Part No. WSX PDT D WH (120/277V) with matching wall plate included, or equal

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Question Deadline 4:00 p.m.	2018-06-06

GSD1800000021	Document Phase Final	Document Description LED Light Fixtures and Accessories for Bldg 32 & 34	Page 5 of 5
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Kevin Hypes Outside Sales
(Name, Title)
KEVIN HYPES OUTSIDE SALES REP
(Printed Name and Title)
1010 YOUNG STREET, CHARLESTON, WV 25301
(Address)
304-206-3424 OFFICE MOBILE 304-549-9300/FAX 304-344-032
(Phone Number) / (Fax Number)
KEVIN.HYPES@GRAYBAR.COM
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Graybar Electric
(Company)

George McPhail Quotations Coordinator
(Authorized Signature) (Representative Name, Title)

GEORGE MCPHAIL, QUOTATIONS COORDINATOR
(Printed Name and Title of Authorized Representative)

6/11/18
(Date)

304-206-3426 / 304-344-0324
(Phone Number) (Fax Number)

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
- Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or** 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
- Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,

2. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,

3. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,

4. Application is made for 5% vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,

5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,

6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.

- Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Graybar Electric

Signed: [Signature]

Date: 6/11/18

Title: QUOTATIONS COORDINATOR

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD180000021

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Graybar Electric
Company
George M. [Signature]
Authorized Signature
6/11/18
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: Graybar Electric Address: 1010 Young Street

Charleston, WV 25301

Authorized Agent: George McPhail

Address: same

Contract Number: GSD1800000021

Contract Description: LED Light Fixtures & Access ^{BLX 32k}

Governmental agency awarding contract: WV Dept of Admin - General Services Division

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: George McPhail

Date Signed: 6/11/18

Notary Verification

State of West Virginia, County of Kanawha:

I, George McPhail, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 6th day of June, 2018.

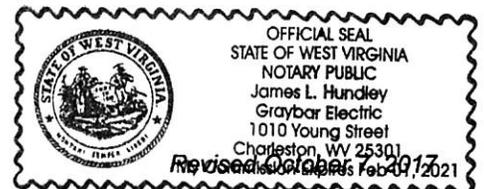
James L. Hundley
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL OTHER CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Graybar Electric

Authorized Signature: George M. [Signature] Date: 6/12/2018

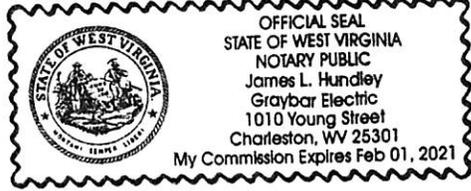
State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 6th day of June, 2018.

My Commission expires Feb 1st, 2021.

AFFIX SEAL HERE



NOTARY PUBLIC

James L. Hundley
Purchasing Affidavit (Revised 07/07/2017)



CERTIFICATE OF LIABILITY INSURANCE

6/1/2019

DATE (MM/DD/YYYY)

5/22/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies Three City Place Drive, Suite 900 St. Louis MO 63141-7081 (314) 432-0500	CONTACT NAME: PHONE (A/C. No., Ext.): E-MAIL ADDRESS:		FAX (A/C. No.):
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED 1047657 Graybar Electric Company, Inc. 34 North Meramec Avenue P. O. Box 7231 St. Louis MO 63177	INSURER A: Travelers Indemnity Co of CT		25682
	INSURER B: Travelers Property Casualty Co of America		25674
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES GRAEL02 **CERTIFICATE NUMBER:** 14073178 **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	HC2EGLSA474M6932TCT18	6/1/2018	6/1/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	N	Y	HC2ECAP474M6920TCT18	6/1/2018	6/1/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 3,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	Y	HC2NUB474M586718 (AOS)	6/1/2018	6/1/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	EXCESS OHIO WORKERS' COMPENSATION	N	N	HWXJUB474M588018	6/1/2018	6/1/2019	Workers' Comp. Statutory Employers' Liab. \$1,000,000 SIR - Each Accident \$350,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION** See Attachment

14073178
FOR INFORMATIONAL PURPOSES

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers 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 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 — BLT enclosure components are die-formed for dimensional consistency and painted after fabrication with a polyester powder paint for improved performance and protection.

The reflector is finished with a high reflective matte white powder 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. Four diffuser choices available - curved and square designs with linear prisms 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 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.

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

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

SENSOR — Integrated sensor (individual control): Sensor Switch MSD7ADCX ((Passive infrared (PIR) or MSDPD77ADCX ((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.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems.

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) 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/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

BLT Series LED

2BLT

2' x 4'
LED



eldoLED



Specifications

Length: 47-3/4 (121.2)

Width: 23-3/4 (60.3)

Depth: 2-3/8 (6.0)

Depth with Air supply/return: 2-3/4 (6.9)



All dimensions are inches (centimeters) unless otherwise specified.

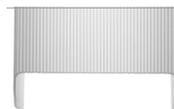
Multiple Diffuser Options



ADP
Curved Ribbed



ADSM
Curved Smooth



SDP
Square Ribbed



SDSM
Square Smooth

A+ Capable Luminaire

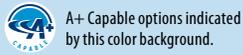
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers 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

2BLT Volumetric Recessed Lighting 2'x4'



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

Example: 2BLT4 40L ADP EZ1 LP840

2BLT4		Air function		Lumens ²		Diffuser		Voltage		Driver		Color temperature	
2BLT4	2x4 BLT	(blank)	Static	Standard efficiency (>100 LPW)	High efficiency^{3,4} (>130 LPW)	ADP	Curved, linear prisms	(blank)	MVOLT	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	82CRI, 3000 K
	A	Air supply/return ¹		30L 3000	30LHE 3000	ADSM	Curved, smooth	120	120V			LP835	82CRI, 3500 K
				40L 4000	40LHE 4000	SDP	Square, linear prisms	277	277V	GZ1	Dims to 1% (0-10V dimming) ⁶	LP840	82CRI, 4000 K
				48L 4800	48LHE 4800	SDSM	Square, smooth	347	347V ⁵	GZ10	Dims to 10% (0-10V dimming) ⁶	LP850	82CRI, 5000 K
				60L 6000	60LHE 6000	Includes trim rings to match sensored version				SLD	Step-level dimming ⁶	LP930	90CRI, 3000K
				72L 7200	72LHE 7200	ADPT	Curved, linear prisms			LE1	Lutron Ecosystem driver dims to 1% ^{6,7}	LP935	90CRI, 3500K
					85LHE 8500	ADSMT	Curved, smooth					LP940	90CRI, 4000K
						SDPT	Square, linear prisms					LP950	90CRI, 5000K
						SDSMT	Square, smooth						

nLight Interface	Control ¹²		Options	
nLight Wired	nLight Wired	Individual Control	EL7L	700 lumen battery pack (non-CEC compliant) ¹⁴
(blank) no nLight [®] interface	(blank) No sensor control	MSD7ADCX PIR integral occupancy sensor with automatic dimming control photocell ^{7,13}	EL14L	1400 lumen battery pack (non-CEC compliant) ¹⁴
N80 nLight with 80% lumen management	NES7 nLight™ nES 7 PIR integral occupancy sensor ¹²	MSDPDT7ADCX PDT integral occupancy sensor with automatic dimming control photocell ^{7,13}	EL14LSD	1400 lumen battery pack with self-diagnostic testing feature (non-CEC compliant) ^{14,15}
N80EMG nLight with 80% lumen management For use with generator supply EM power ⁹	NESPDT7 nLight™ nES PDT 7 dual technology integral occupancy control ¹²		E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, CEC compliant ¹⁴
N100 nLight without lumen management	NES7ADCX nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ¹²		CP	Chicago plenum ¹⁶
N100EMG nLight without lumen management For use with generator supply EM power ⁹	NESPDT7ADCX nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ¹²		BGTD	Bodine Generator Transfer Device ¹⁷
nLight Wireless	nLight Wireless		PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit
(blank) no nLight [®] interface	RES7 nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities ¹³		PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit
NLTAIR2 nLight AIR Generation 2 enabled ¹⁰	RES7PDT nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell ¹³		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 ¹⁸
	RIO nLight AIR radio module without sensor		PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage purple and grey wires ¹⁸
			GLR	Fast-blowing fuse ¹⁹
			GMF	Slow-blowing fuse ¹⁹
			NPLT	Narrow pallet
			RRL_	RELOC [®] -ready luminaire ²⁰
			LATC	Earthquake clip
			DWAM	Anti-Microbial paint
			JP16	Job packaging
			IP5X	Gasketed diffuser compartment to meet IP5X rating ²¹

Accessories next page

Notes

- Consult factory for airflow data.
- Approximate lumen output.
- 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.
- Not available with SLD EL7L, or EL14L options.
- GZ1 and GZ10 not available with any Control or Sensor options
- Not available with N80, N80EMG, N100, N100EMG, NLTAIR, or occupancy control.

- Not available with controls, occupancy controls, or PWS options. Consult factory for Hi-Lume dimming.
- nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
- Must order with RES7, RES7PDT, or RIO module. Only available with EZ1 driver. Not available with 72L, 72LHE, or 85LHE options.
- Must specify diffuser with trim rings. See sensor options on page 4.
- Requires N80, N80EMG, N100, or N100EMG.
- Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
- When using pre-wire option, use PWS1846 or PWS1846 PWSLV.

- For more information, please see the [PSSD2 specification sheet](#).
- Not available with N80, N80EMG, N100, or N100EMG.
- Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options.
- Not available with nLight wired/wireless network or individual controls.
- Must specify voltage, 120 or 277, with GLR and GFM fusing.
- For ordering logic consult [RRL_2013](#).
- Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.

2BLT Volumetric Recessed Lighting 2'x4'

Non-Configurable BLT								
Stock/MTO	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT4 40L ADP LP835	00190887470789	3945	34	116	3500K/82 CRI	120-277	26
	2BLT4 40L ADP LP840	00190887470765	4032	34	118	4000K/82CRI	120-277	26
	2BLT4 46L ADP LP835	00190887468656	4520	38.34	118	3500K/82 CRI	120-277	26
	2BLT4 46L ADP LP840	00190887468649	4620	38.34	120	4000K/82CRI	120-277	26
	2BLT4 40L ADP EL 14L LP835	00190887470925	3945	34	116	3500K/82 CRI	120-277	26
	2BLT4 40L ADP EL 14L LP840	00190887470918	4032	34	118	4000K/82 CRI	120-277	26
	2BLT4 46L ADP EL 14L LP835	00190887468670	4520	38.34	118	3500K/82 CRI	120-277	26
	2BLT4 46L ADP EL 14L LP840	00190887468663	4620	38.34	120	4000K/82 CRI	120-277	26
MTO	2BLT4 40L ADP 347 LP835		3945	34	116	3500K/82 CRI	347	26
	2BLT4 40L ADP 347 LP840		4032	34	118	4000K/82CRI	347	26
	2BLT4 46L ADP 347 LP835		4520	38.34	118	3500K/82 CRI	347	26
	2BLT4 46L ADP 347 LP840		4620	38.34	120	4000K/82CRI	347	26

*Generic 0-10V Dimming to 10%.

Accessories: Order as separate catalog number.	
DGA24	Drywall grid adapter for 2x4 recessed fixture
2X4SMK	Surface Mount Troffer Kit

nLight® Wired Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight .			
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD GFX [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: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair .	
Wall switches	Model number
On/Off single pole	rPODB [color] G2
On/Off two pole	rPODB 2P [color] G2
On/Off & raise/lower single pole	rPODB DX [color] G2
On/Off & raise/lower two pole	rPODB 2P DX [color] G2
On/Off & raise/lower single pole	rPODBZ DX WH G2

rCMS		Example: RCMS PDT 10 AR G2				
Series / Detection	Power Supply ¹	Occupancy Detection	Lens (Required)	Operating Mode	Generation	
RCMS nLight AIR occupancy and daylight sensor	[blank] Power Supply ordered separately PS 150 Standard 150 mA Power Supply	[blank] PIR Detection PDT Dual Tech PIR/ Microphonics	10 Large Motion/ Extended Range 360° 9 Small Motion/ Extended Range 360° 6 High Bay 360° Lens	[BLANK] None AR Auxiliary Relay	G2 Generation 2 compatibility	

Replacement Parts: Order as separate catalog number.		
*249P2N	2DBLT48 ADP LENS ASSEMBLY	4 ft. replacement lens
*249P2T	2DBLT48 SDP LENS ASSEMBLY	4 ft. replacement lens
*249P30	2DBLT48 ADSM LENS ASSEMBLY	4 ft. replacement lens
*249P33	2DBLT48 SDSM LENS ASSEMBLY	4 ft. replacement lens
*237LT2	2DBLT48 ADPT LENS ASSEMBLY	4 ft. replacement lens
*237LT4	2DBLT48 SDPT LENS ASSEMBLY	4 ft. replacement lens
*237LT6	2DBLT48 ADSMT LENS ASSEMBLY	4 ft. replacement lens
*237LT8	2DBLT48 SDSMT LENS ASSEMBLY	4 ft. replacement lens
*237LTA	2DBLT48 ADPT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M52	2DBLT48 SDPT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M5A	2DBLT48 ADSMT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M5L	2DBLT48 SDSMT SENSOR LENS ASSEMBLY	4 ft. replacement lens

Notes

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



2BLT Volumetric Recessed Lighting 2'x4'

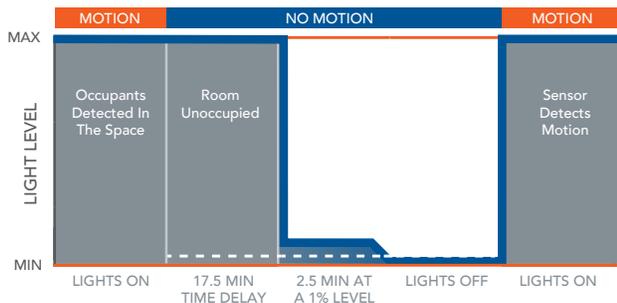
Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPDT7			X	X	
NESPDT7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

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.

Sequence of Operation

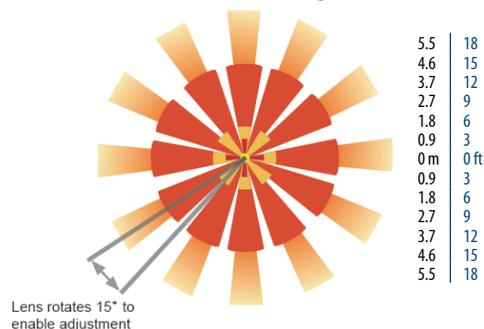


*The presetting on the automatic dimming photocell is 5fc.

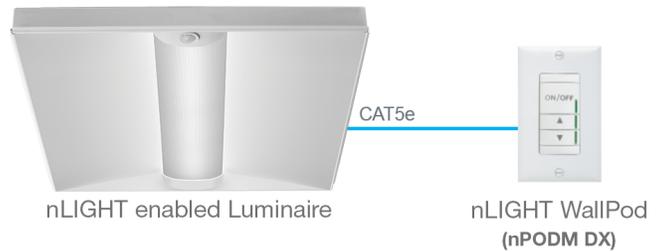
Sensor Coverage Pattern Mini 360° Lens

- 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

9 FT Mounting



Basic nLight Zone

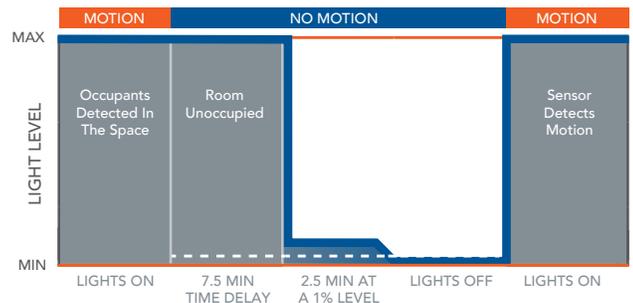


nLight Wired Networking

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.

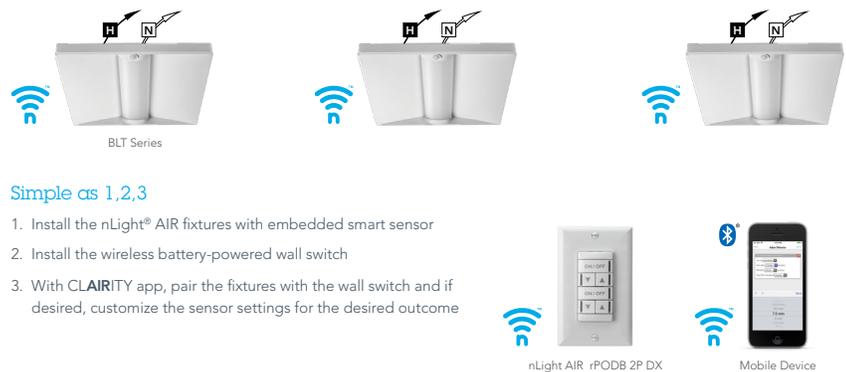
Sequence of Operation



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

nLight AIR Wireless

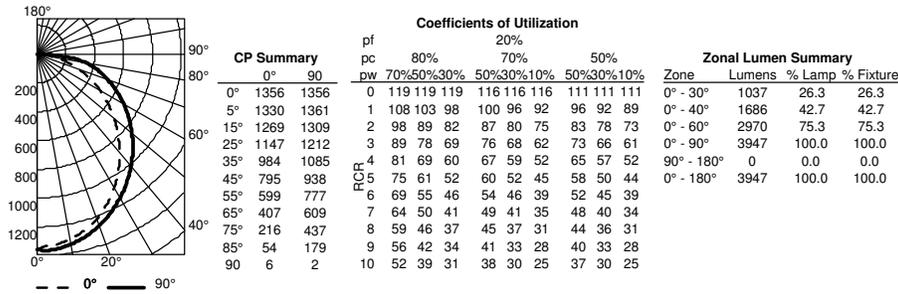
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. Integrated RES7 or RES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.



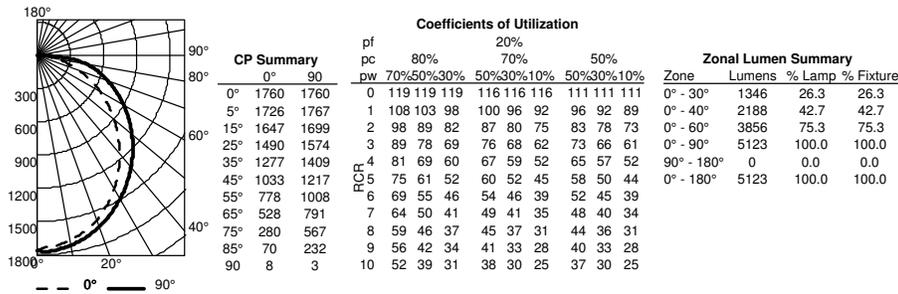
2BLT Volumetric Recessed Lighting 2'x4'

PHOTOMETRICS

2BLT4 40L ADP LP835, 3945 delivered lumens, test no. LTL28918P37, tested in accordance to IESNA LM-79

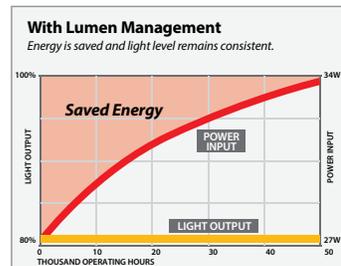
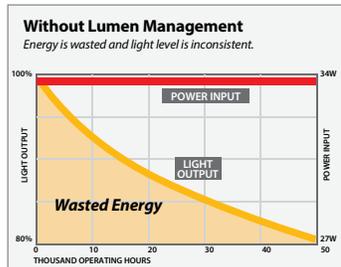


2BLT4 48L ADP LP835, 5121 delivered lumens, test no. LTL28918P41, tested in accordance to IESNA LM-79



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.



How to Estimate Delivered Lumens in Emergency Mode

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

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

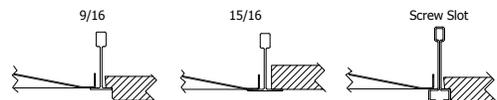
P = Output power of emergency driver. P = 10W for E10WLCP option.

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.

Performance Data			
Lumen Package	Lumens	Input Watts	LPW
30L ADP LP830	3286	30	110
30L ADP LP835	3371	30	113
30L ADP LP840	3445	30	115
30L ADP LP850	3614	30	121
40L ADP LP830	3846	34	113
40L ADP LP835	3945	34	116
40L ADP LP840	4032	34	118
40L ADP LP850	4230	34	124
48L ADP LP830	4993	45	111
48L ADP LP835	5121	45	114
48L ADP LP840	5234	45	116
48L ADP LP850	5492	45	122
60L ADP LP830	6014	53	114
60L ADP LP835	6169	53	117
60L ADP LP840	6305	53	119
60L ADP LP850	6615	53	125
72L ADP LP830	7388	67	110
72L ADP LP835	7579	67	113
72L ADP LP840	7746	67	115
72L ADP LP850	8127	67	121
AIR 30L ADP LP830	3075	30	103
AIR 30L ADP LP835	3138	30	105
AIR 30L ADP LP840	3223	30	108
AIR 30L ADP LP850	3250	30	108
AIR 40L ADP LP830	3599	34	105
AIR 40L ADP LP835	3673	34	108
AIR 40L ADP LP840	3772	34	110
AIR 40L ADP LP850	3804	34	111
AIR 48L ADP LP830	4672	45	104
AIR 48L ADP LP835	4897	45	109
AIR 48L ADP LP840	4897	45	109
AIR 48L ADP LP850	4939	45	110
AIR 60L ADP LP830	5628	53	106
AIR 60L ADP LP835	5743	53	108
AIR 60L ADP LP840	5899	53	111
AIR 60L ADP LP850	5949	53	112
AIR 72L ADP LP830	6914	67	103
AIR 72L ADP LP835	7055	67	105
AIR 72L ADP LP840	7247	67	108
AIR 72L ADP LP850	7309	67	109

HE Performance Data			
Lumen Package	Lumens	Input Watts	LPW
30LHE ADP LP830	2755	22	126
30LHE ADP LP835	2826	22	132
30LHE ADP LP840	2888	22	134
30LHE ADP LP850	3030	22	140
48LHE ADP LP830	4655	36	127
48LHE ADP LP835	4775	36	130
48LHE ADP LP840	4880	36	133
48LHE ADP LP850	5121	36	139
60LHE ADP LP830	5473	42	129
60LHE ADP LP835	5614	42	132
60LHE ADP LP840	5738	42	135
60LHE ADP LP850	6020	42	142
72LHE ADP LP830	6805	52	130
72LHE ADP LP835	6981	52	133
72LHE ADP LP840	7135	52	136
72LHE ADP LP850	7486	52	143
85LHE ADP LP830	8189	64	127
85LHE ADP LP835	8400	64	131
85LHE ADP LP840	8585	64	134
85LHE ADP LP850	9008	64	140

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").

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers 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 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 — BLT enclosure components are die-formed for dimensional consistency and painted after fabrication with a polyester powder paint for improved performance and protection.

The reflector is finished with a high reflective matte white powder 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. Four diffuser choices available - curved and square designs with linear prisms 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, 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.

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

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.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems.

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) 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/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

BLT Series LED



2BLT

2' x 2'
LED



eldoLED



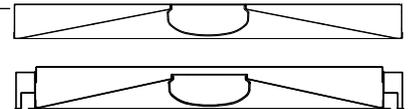
Specifications

Length: 23-3/4 (60.3)

Width: 23-3/4 (60.3)

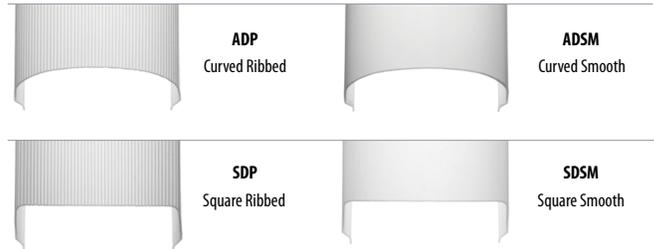
Depth: 2-3/8 (6.0)

Depth with Air supply/return: 2-3/4 (6.9)



All dimensions are inches (centimeters) unless otherwise specified.

Multiple Diffuser Options



A+ Capable Luminaire

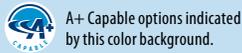
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers 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

2BLT Volumetric Recessed Lighting 2'x2'



ORDERING INFORMATION

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

Example: 2BLT2 33L ADP EZ1 LP835

2BLT2		Air function		Lumens ²		Diffuser		Voltage		Driver		Color temperature	
2BLT2	2X2 BLT	(blank) Static	Air supply/return ¹	Standard efficiency (>100 LPW)	High efficiency^{3,4} (>130 LPW)	ADP Curved, linear prisms	ADSM Curved, smooth	SDP Square, linear prisms	SDSM Square, smooth	(blank) MVOLT	EZ1 eldoLED dims to 1% (0-10 volt dimming)	LP830 82CRI, 3000 K	
				20L 2000	20LHE 2000	ADPT Curved, linear prisms	ADSMT Curved, smooth	SDPT Square, linear prisms	SDSMT Square, smooth	120 120V	GZ1 Dims to 1% (0-10V dimming) ⁶	LP835 82CRI, 3500 K	
				33L 3300	33LHE 3300					277 277V	GZ10 Dims to 10% (0-10V dimming) ⁶	LP840 82CRI, 4000 K	
				40L 4000	40LHE 4000					347 347V ⁵	SLD Step-level dimming ⁷	LP850 82CRI, 5000 K	
					48LHE 4800						LE1 Lutron Ecosystem driver dims to 1% ^{7,8}	LP930 90CRI, 3000K	
												LP940 90CRI, 4000K	
												LP950 90CRI, 5000K	

nLight Interface		Control ¹¹		Individual Control		Options	
nLight Wired	(blank) no nLight [®] interface	nLight Wired	(blank) No sensor control	MSD7ADCX	PIR integral occupancy sensor with automatic dimming control photocell ^{7,13}	EL7L	700 lumen battery pack (non-CEC compliant) ¹⁴
N80	nLight with 80% lumen management	NES7	nLight™ nES 7 PIR integral occupancy sensor ¹²			EL14L	1400 lumen battery pack (non-CEC compliant) ¹⁴
N80EMG	nLight with 80% lumen management For use with generator supply EM power ⁹	NESPDT7	nLight™ nES PDT 7 dual technology integral occupancy control ¹²	MSDPDT7ADCX	PDT integral occupancy sensor with automatic dimming control photocell ^{7,13}	EL14LSD	1400 lumen battery pack with self-diagnostic testing feature (non-CEC compliant) ^{14,15}
N100	nLight without lumen management	NES7ADCX	nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ¹²			E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, CEC compliant ¹⁴
N100EMG	nLight without lumen management For use with generator supply EM power ⁹	NESPDT7ADCX	nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ¹²			CP	Chicago plenum ¹⁶
						BGTD	Bodine Generator Transfer Device ¹⁷
						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 ¹⁸
						PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage purple and grey wires ¹⁸
nLight Wireless	(blank) no nLight [®] interface	nLight Wireless	RES7 nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities ¹³			GLR	Fast-blowing fuse ¹⁹
NLTAIR2	nLight AIR Generation 2 enabled ¹⁰	RES7PDT	nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell ¹³			GMF	Slow-blowing fuse ¹⁹
		RIO	nLight AIR radio module without sensor			NPLT	Narrow pallet
						RRL_	RELOC [®] -ready luminaire ²⁰
						LATC	Earthquake clip
						DWAM	Anti-Microbial paint
						JP32	Job packaging
						IP5X	Gasketed diffuser compartment to meet IP5X rating ²¹

Non-Configurable BLT								
Stock/MTO	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT2 33L ADP LP835	00190887529708	3241	30	108	3500K/82 CRI	120-277	52
	2BLT2 33L ADP LP840	00190887529739	3313	30	111	4000K/82CRI	120-277	52
	2BLT2 33L ADP EL14L LP835	00190887529890	3241	30	108	3500K/82CRI	120-277	52
	2BLT2 33L ADP EL14L LP840	00190887529937	3313	30	111	4000K/82CRI	120-277	52
MTO	2BLT2 33L ADP 347 LP835		3241	30	108	3500K/82 CRI	347	52
	2BLT2 33L ADP 347 LP840		3313	30	111	4000K/82CRI	347	52

*Generic 0-10V Dimming to 10%.

Notes and Accessories next page

2BLT Volumetric Recessed Lighting 2'x2'

Notes

- 1 Consult factory for airflow data.
- 2 Approximate lumen output.
- 3 All versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com.
- 4 Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
- 5 Not available with SLD EL7L, or EL14L options.
- 6 GZ1 and GZ10 not available with any Control or Sensor options
- 7 Not available with N80, N80EMG, N100, N100EMG, NLTAIR, or occupancy control.
- 8 Not available with controls, occupancy controls, or PWS options. Consult factory for Hi-Lume dimming.
- 9 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
- 10 Must order with RES7, RES7PDT or Rio module. Must order with EZ1 driver.
- 11 Must specify diffuser with trim rings. See sensor options on page 4.
- 12 Requires N80, N80EMG, N100, or N100EMG.
- 13 Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
- 14 When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
- 15 For more information, please see the [PSSD2 specification sheet](#).
- 16 Not available with N80, N80EMG, N100, or N100EMG.
- 17 Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options.
- 18 Not available with nLight wired/wireless network or individual controls.
- 19 Must specify voltage, 120 or 277, with GLR and GFM fusing.
- 20 For ordering logic consult [RRL_2013](#).
- 21 Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.

Accessories: Order as separate catalog number.	
DGA22	Drywall grid adapter for 2x2 recessed fixture
2X2SMK	Surface Mount Troffer Kit

nLight® Wired Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight .			
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD GFX [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: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair .	
Wall switches	Model number
On/Off single pole	rPODB [color] G2
On/Off two pole	rPODB 2P [color] G2
On/Off & raise/lower single pole	rPODB DX [color] G2
On/Off & raise/lower two pole	rPODB 2P DX [color] G2
On/Off & raise/lower single pole	rPODBZ DX WH G2

rCMS ¹		Example: RCMS PDT 10 AR G2					
Series / Detection	Power Supply ¹	Occupancy Detection	Lens (Required)	Operating Mode	Generation		
RCMS nLight AIR occupancy and daylight sensor	[blank] Power Supply ordered separately PS 150 Standard 150 mA Power Supply	[blank] PIR Detection PDT Dual Tech PIR/Microphonics	10 Large Motion/ Extended Range 360° 9 Small Motion/ Extended Range 360° 6 High Bay 360° Lens	[BLANK] None AR Auxiliary Relay	G2 Generation 2 compatibility		

Replacement 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

Notes

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



2BLT Volumetric Recessed Lighting 2'x2'

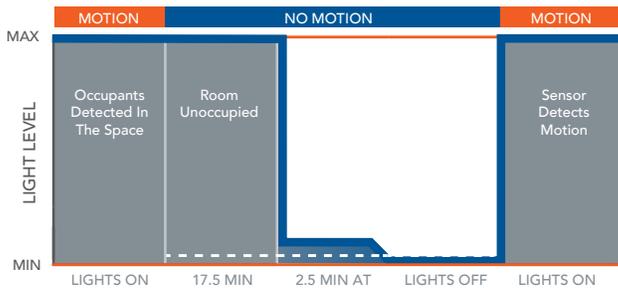
Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPDT7			X	X	
NESPDT7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

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.

Sequence of Operation

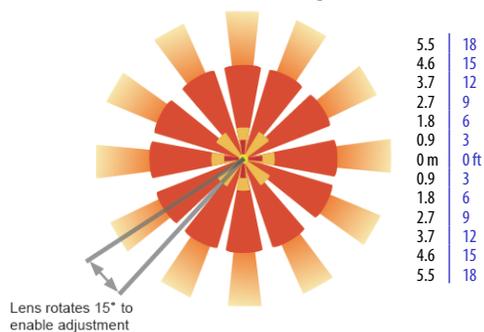


*The presetting on the automatic dimming photocell is 5fc.

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

9 FT Mounting



Basic nLight Zone

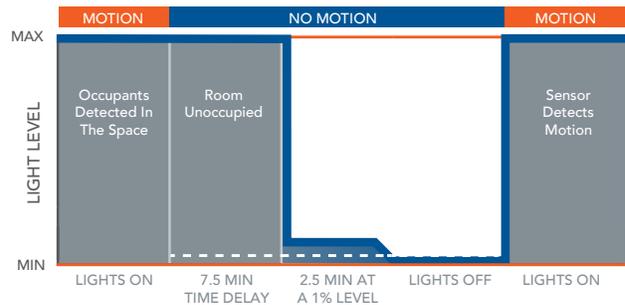


nLight Wired Networking

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



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

nLight AIR Wireless

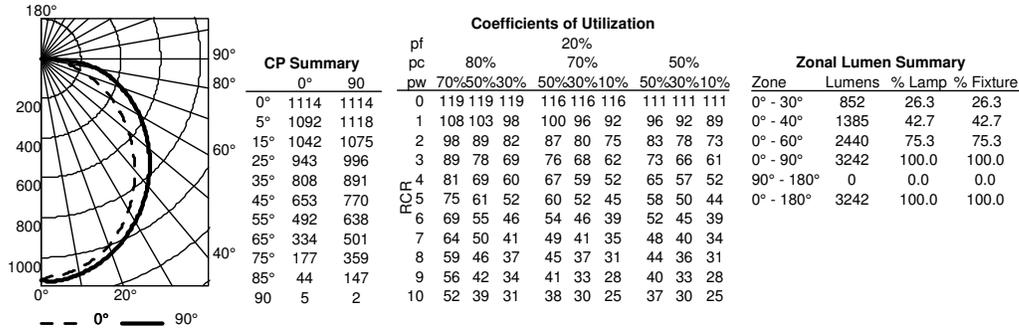
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated RES7 or RES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be 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.



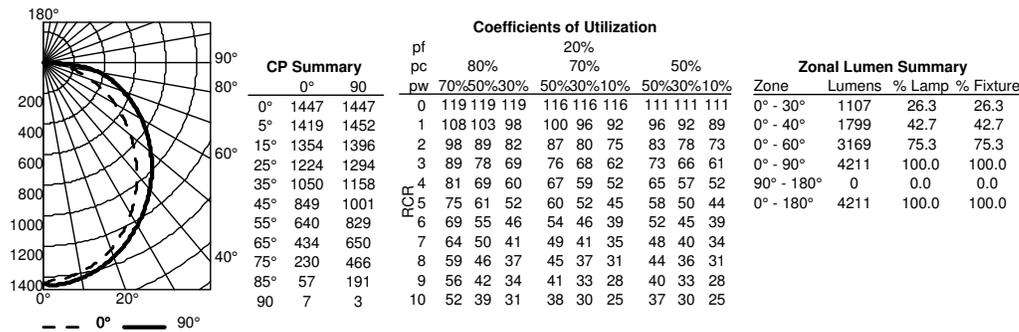
2BLT Volumetric Recessed Lighting 2'x2'

PHOTOMETRICS

2BLT2 33L ADP LP835, 3241 delivered lumens, test no. LTL28918P4, tested in accordance to IESNA LM-79



2BLT2 40L ADP LP835, 4210 delivered lumens, test no. LTL28918P5, tested in accordance to IESNA LM-79

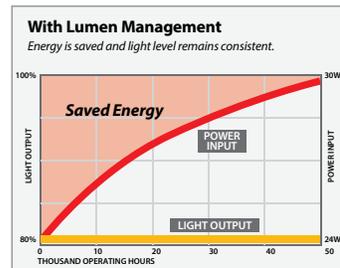
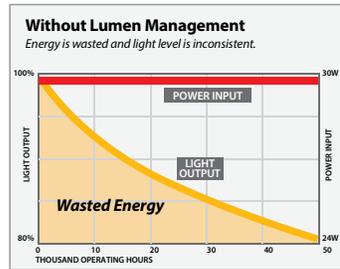


*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

2BLT Volumetric Recessed Lighting 2'x2'

Constant Lumen Management

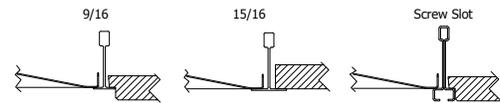
Enabled by the embedded nLight control, the BLT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.



Performance Data				
Lumen Package	Lumens	Input Watts	LPW	
20L ADP LP830	2157	20	110	
20L ADP LP835	2213	20	113	
20L ADP LP840	2261	20	116	
20L ADP LP850	2373	20	121	
33L ADP LP830	3160	30	106	
33L ADP LP835	3241	30	108	
33L ADP LP840	3313	30	111	
33L ADP LP850	3476	30	116	
40L ADP LP830	4103	39	106	
40L ADP LP835	4209	39	108	
40L ADP LP840	4302	39	111	
40L ADP LP850	4514	39	116	
AIR 20L ADP LP830	2019	20	103	
AIR 20L ADP LP835	2060	20	105	
AIR 20L ADP LP840	2116	20	108	
AIR 20L ADP LP850	2134	20	109	
AIR 33L ADP LP830	2957	28	104	
AIR 33L ADP LP835	3017	28	107	
AIR 33L ADP LP840	3099	28	109	
AIR 33L ADP LP850	3126	28	110	
AIR 40L ADP LP830	3841	39	99	
AIR 40L ADP LP835	3919	39	101	
AIR 40L ADP LP840	4025	39	104	
AIR 40L ADP LP850	4060	39	104	

HE Performance Data				
Lumen Package	Lumens	Input Watts	LPW	
33LHE ADP LP830	3537	28	126	
33LHE ADP LP835	3628	28	130	
33LHE ADP LP840	3708	28	132	
33LHE ADP LP850	3891	28	139	
40LHE ADP LP830	4118	32	127	
40LHE ADP LP835	4224	32	131	
40LHE ADP LP840	4317	32	134	
40LHE ADP LP850	4530	32	140	
48LHE ADP LP830	4699	37	128	
48LHE ADP LP835	4820	37	131	
48LHE ADP LP840	4927	37	134	
48LHE ADP LP850	5169	37	140	

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



How to Estimate Delivered Lumens in Emergency Mode

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

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output 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.

*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").

OVERVIEW

The WSX family of wall switch occupancy sensors provides simple and cost effective solutions for commercial and residential lighting control applications. All WSX family sensors have a stylish low profile appearance, soft-click buttons, and provide small motion detection up to 20 ft (6.10 m), making them perfect for private offices, private rest rooms, closets, copy rooms, or any other small enclosed space. Additionally, all WSX family sensors have a patent-pending wiring method that enables them to function either with or without a neutral connection. WSX units come pre-configured for wiring without a neutral, however if connection to neutral is required by code, contractors can convert the unit in seconds. With optional flash programming via the Sensor Switch VLP mobile device application, the user can easily change time delay, on mode and photocontrol settings.

FEATURES

- Compatible with 0-10V dimming luminaries
- 100% passive detection
- Small motion detection up to 20 ft
- Programmable with Sensor Switch VLP app or traditional push button, refer to ordering information for availability
- Dual technology (PDT) utilizes PIR/Microphonics™ detection
- Self-grounding mounting strap
- Convertible Neutral to Ground - depending on code, accommodates powering over ground or neutral connection in one device
- Miswire Protection - interchangeable line and load wires, no damage to device if line voltage is miswired to 0-10V wires
- Integrated photocell with Adaptive Daylight Harvesting (ADH)
- Vandal resistant lens

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.

Specifications subject to change without notice.

AcuityControls™

Sensor Switch™

WSX D
Dimming Occupancy
Wall Switch



ORDERING INFORMATION

WSX D		Example: WSX PDT D 347 WH 8H					
Series	Detection Mode	eldoLED		Dimming	Operating Mode		
WSX Wall Switch Occupancy Sensor	[blank] Passive Infrared (PIR) PDT Dual Technology	[blank] None EZ ¹ eldoLED Driver Compatibility		D Dimming	[blank] Automatic On SA Manual On VA Vacancy		
Visible Light Programming ⁶	Voltage	Color ³		Max Dim Level ⁵		Min Dim Level ⁵	
[blank] None VLP Visible Light Programming	[blank] 120/277 VAC 347 ² 347 VAC	WH White IV Ivory GY Gray	AL Almond BK Black RD ⁴ Red	[blank] 10 VDC 9H 9 VDC 8H 8 VDC 7H 7 VDC	[blank] 0 VDC 4V 4 VDC 1V 1 VDC 5V 5 VDC 2V 2 VDC 6V 6 VDC 3V 3 VDC		

NOTES:

1. Max Dim Level default set to 9.1VDC. Min Dim Level default set to 1.5VDC.
2. Wall plated included for white or ivory only for 347 VAC units.
3. Matching wall plate provided for 120/277 VAC units.
4. Special order.
5. For setting other than default, minimum order quantity of 30 units.
6. Available only on WSX PDT Series.

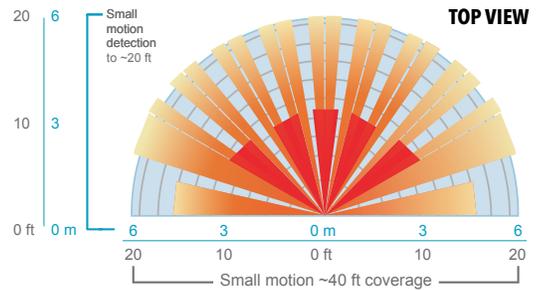
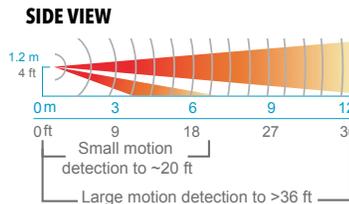
SPECIFICATIONS

Size:	2.74" H x 1.68" W x 1.63" D (6.96 cm x 4.27 cm x 4.14 cm) (not including ground strap)
Weight:	5 oz
Mounting:	Single Gang Switch Box
Mounting Height:	30-48 in (76.2-121.9 cm)
Maximum Load/Pole:	(Relay) 800 W @ 120VAC, 1200 W @ 277VAC, 1500 W @ 347VAC
Minimum Load:	None
Motor Load:	1/4 HP
Max Sink Current:	50 mA
0-10V Dim Min Output:	<0.3 V
Frequency:	50/60 Hz (timers are 1.2x for 50Hz)
Temperature Rating:	0°C-60°C

ROHS Compliant

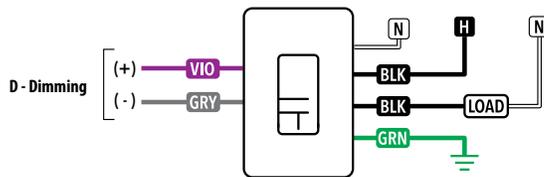
COVERAGE PATTERNS

- Small motion (e.g. hand movements) detection up to 20 ft (6.10 m), ~625 ft²
- Large motion (e.g. walking) detection greater than 36 ft (10.97 m), ~2025 ft²
- Wall-to-wall PIR coverage
- Units with -PDT (Passive Dual Technology) option (also called Microphonics) provide overlapping detection of human activity over the complete PIR coverage area. Advanced filtering is utilized to prevent non-occupant noises from keeping the lights on.
- Tested to NEMA WD 7-2011

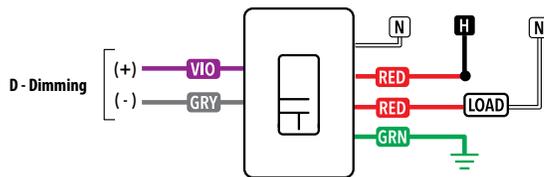


CONVERTIBLE NEUTRAL

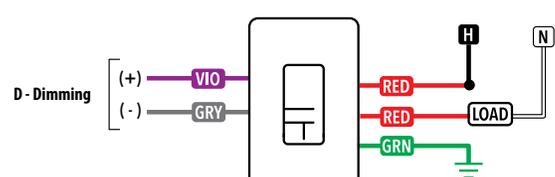
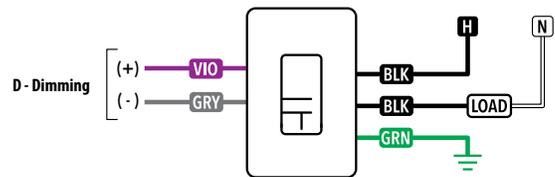
120/277 VAC



347 VAC



GROUND ONLY



NOTES:

- 1.) Per NEC requirements, the 0-10V violet and gray wires must be installed as Class One.
- 2.) The 0-10V control wires must not exceed 250 ft (76 m) in length and must be sized at no less than 20AWG.
- 3.) All models are field convertible to accept neutral wiring when required.

Adaptive Daylight Harvesting (ADH)

With Sensor Switch's Adaptive Daylight Harvesting (ADH), automatic dimming has never been more reliable - even in a wall switch. It works by establishing two state change set-points; daylight and darkness. The light level in the space will then be automatically maintained by **intelligently controlling** the dim level of the electric light source. Set-points can be established using the "Set Now" option or programmed using desired light levels as measured in foot candles (fc).

