ADDENDUM

Project Name: Wayne State University
Football Stadium Elevator
Adams Field
Detroit, Michigan

Project Number: 079-326353

Addendum Number: 1

Date: 12/10/19

Each Bidder's proposal shall include the work described herein.

Unless otherwise indicated, the work described herein shall comply with, and be equal in all respects to, the original Specifications and the Drawings accompanying same. Include incidental work required to properly complete the work, whether stated herein or not.

Specifications Issued: 265700 luminaire product data sheets

Drawings Issued: E.03, E.21, E.31, E.51

Electrical Specification Items:

ES-1 Refer to Section 265700 luminaire product data sheets
1. Added fixture type L7E.
2. Added fixture equals.

Electrical Drawing Items:

ED-1 Refer to Sheet E.03
1. Added general and construction key notes as indicated.

ED-2 Refer to Sheet E.21
1. Added general and construction key notes as indicated.
2. Added construction key note as indicated.

ED-3 Refer to Sheet E.31
1. Added interface modules for fire alarm as indicated.
2. Moved camera in elevator lobby 010 as indicated.
3. Added camera in elevator lobby 020 as indicated.
4. Added conduit for low voltage cabling for camera in elevator lobby 020 as indicated.
5. Added construction key notes as indicated.

ED-4 Refer to Sheet E.51
1. Revised construction key notes as indicated.

End of Addendum.

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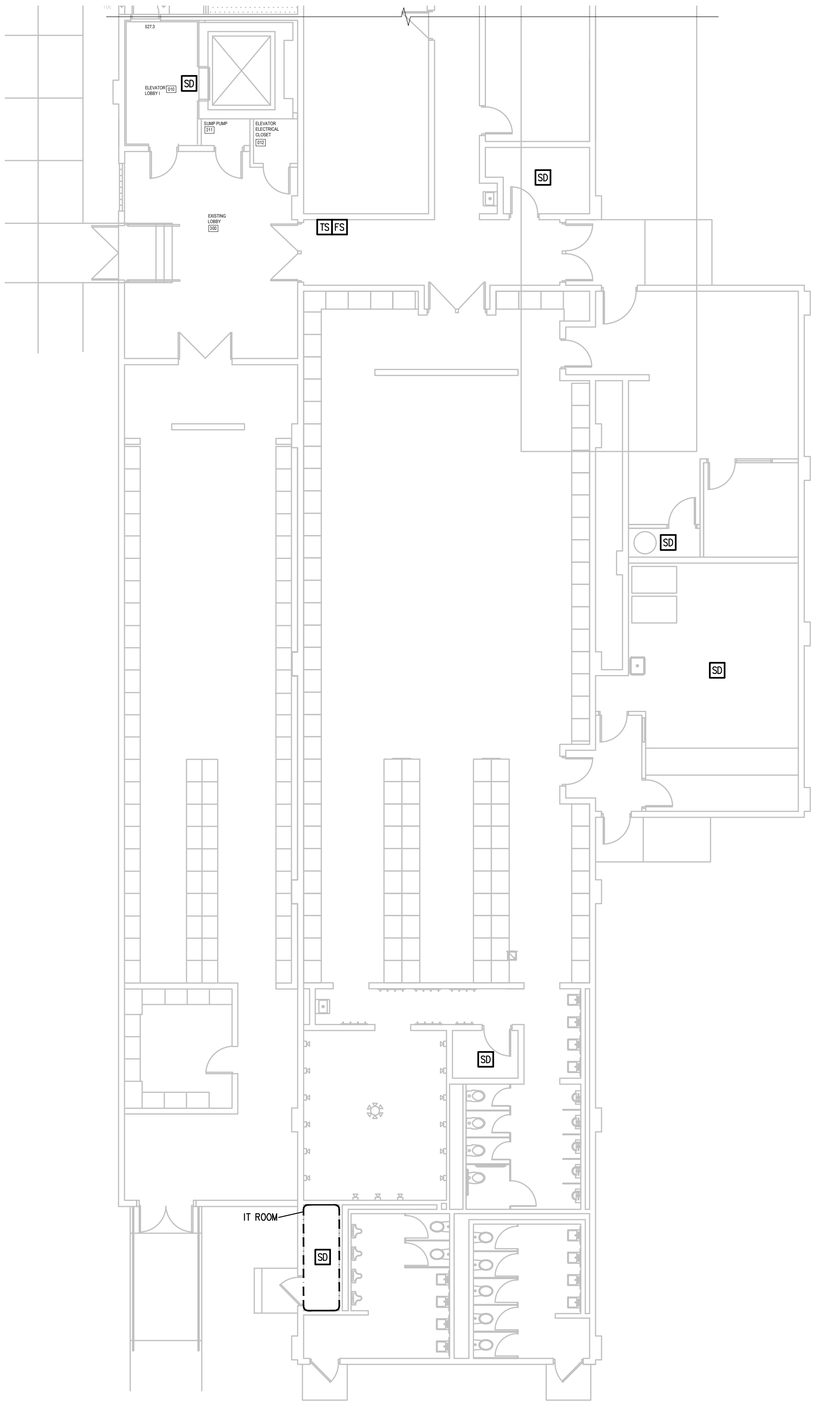
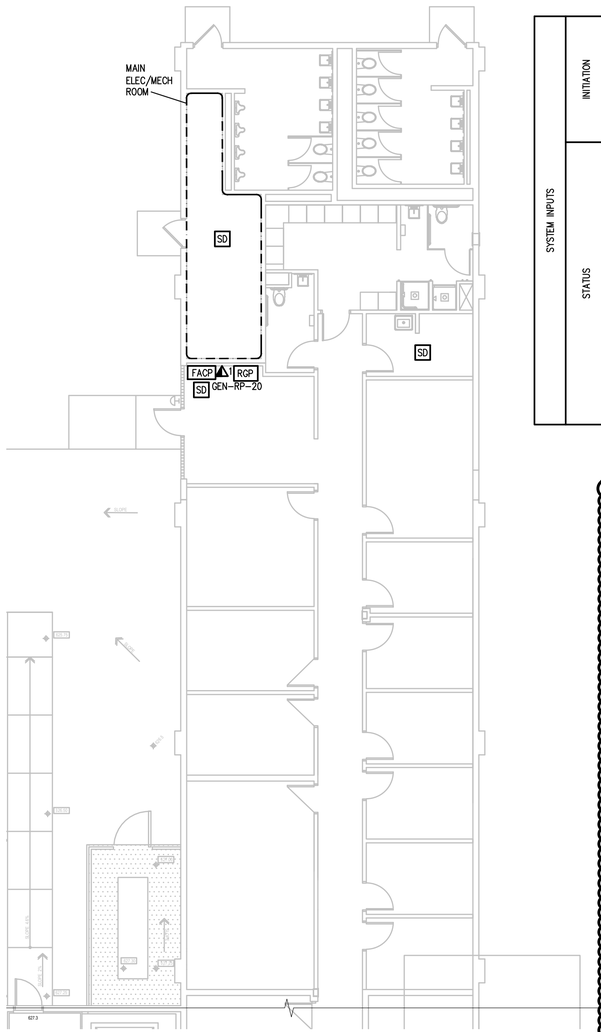
THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE. 1"

ELECTRICAL GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
6. MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
7. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
8. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
9. REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
10. PROVIDE THE DESIGN AND INSTALLATION FOR A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
11. REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.





SYSTEM INPUTS			SYSTEM OUTPUTS: ANNUNCIATION: INITIATE FIRE ALARM SIGNAL	IDENTIFY ALARM AT FACP	ANNUNCIATE SUPERVISORY SIGNAL AT FACP	ANNUNCIATE TROUBLE SIGNAL AT FACP	ACTIVATE ELEVATOR LOBBY "FLASH HAT" WARNING	ACTIVATE IN ELEVATOR IN-CAR WARNING SIGNAL	DISPLAY ELEVATOR RECALL STATUS AT ANNUNCIATOR	NOTIFICATION: TRANSMIT ALARM SIGNAL TO BUILDING SECURITY SYSTEM	TRANSMIT TROUBLE SIGNAL TO BUILDING SECURITY SYSTEM	RECORD EVENTS IN THE SYSTEM MEMORY	FIRE SAFETY: RECALL ELEVATOR TO DESIGNATED RECALL LEVEL	RECALL ELEVATOR TO ALTERNATE RECALL LEVEL
INITIATION		SMOKE DETECTOR OPERATION	●	●						●				
		HEAT DETECTOR OPERATION	●	●						●				
		AUTOMATIC SPRINKLER SYSTEM WATER FLOW OPERATION	●	●						●				
		SMOKE DETECTION IN ELEVATOR LOBBY – DESIGNATED RECALL LEVEL	●	●					●	●				●
		SMOKE DETECTION IN ELEVATOR LOBBY – ALL OTHER LEVELS	●	●					●	●			●	
		SMOKE DETECTION IN ELEVATOR HOISTWAY	●	●			●	●	●	●			●	
STATUS		OPEN CIRCUIT, SHORT CIRCUIT, OR GROUND FAULT ON INITIATING DEVICE, SIGNALING LINE, OR NOTIFICATION APPLIANCE CIRCUIT.				●					●	●		
		OPENING, TAMPERING, OR REMOVAL OF ALARM-INITIATING DEVICES				●					●	●		
		OPENING, TAMPERING, OR REMOVAL OF SUPERVISORY SIGNAL INITIATING DEVICES				●					●	●		
		LOSS OF PRIMARY POWER OF FACP				●					●	●		
		GROUND OR SIGNAL BREAK IN FACP INTERNAL CIRCUITS				●					●	●		
		ABNORMAL AC VOLTAGE AT THE FACP				●					●	●		
		STANDBY BATTERY CIRCUITRY BREAK				●					●	●		
		FAILURE OF BATTERY CHARGING SYSTEM				●					●	●		
		ABNORMAL POSITION OF ANY SWITCH AT THE FACP				●					●	●		
		ABNORMAL POSITION OF ANY SWITCH AT THE ANNUNCIATOR				●					●	●		
		GENERATOR FAULT				●					●	●		
		GENERATOR SWITCH IN NON AUTOMATIC POSITION				●					●	●		
		GENERATOR RUNNING			●							●		

FIRE ALARM MATRIX

NO SCALE

(#) CONSTRUCTION KEY NOTES:

1. EXTEND EXISTING BRANCH CIRCUIT AS REQUIRED.
2. REFER TO ELEVATOR DETAIL.
3. WALL MOUNTED EXTERNAL SPD (SSP04EMA16D-SPD T1 EMA 160KA 480Y/277V IS 3P4W MOUNTED (EMA))
4. WALL MOUNTED EXTERNAL POWER METER IN ENCLOSURE (9761C05K0A0A7). MOUNT METER BELOW EXTERNAL SPD.
5. PROVIDE (2) NEW CIRCUIT BREAKERS IN EXISTING PANELBOARD. EXISTING PANELBOARD IS GE A SERIES II.
6. CORE EXISTING WALL AS REQUIRED.
7. EXTEND EXISTING BRANCH CIRCUIT FROM HOSPITALITY AREA 1 AS REQUIRED.
8. PROPOSED ROUTE FOR (E)LP-C CIRCUIT UP TO ELEVATOR LOBBY II AND AREA OF REFUGE.
9. PROVIDE NEW RIGID CONDUIT FROM EXISTING PULL BOX TO EXISTING PRESS BOX PENETRATION. REFER TO SUPPORT DETAIL. PULL EXISTING LINE VOLTAGE CABLING THROUGH NEW CONDUIT AS REQUIRED. TERMINATE ON EXISTING CABLING ONTO EXISTING TRANSFORMER AS REQUIRED.
10. PROVIDE NEW RIGID CONDUIT FROM EXISTING PULL BOX TO EXISTING PRESS BOX PENETRATION. REFER TO SUPPORT DETAIL. PULL EXISTING LOW VOLTAGE CABLES THROUGH NEW CONDUIT AS REQUIRED. TERMINATE EXISTING LOW VOLTAGE CABLES IN SAME LOCATIONS THAT WERE NOTED FROM DEMOLITION WORK.
11. ATTACH NEW RIGID CONDUIT TO EXISTING PRESS BOX BUILDING AS REQUIRED.
12. WEATHER SEAL EXISTING CONDUIT PENETRATION PER SPECIFICATIONS AFTER NEW CONDUIT IS INSTALLED.
13. PROVIDE AXIS M3046-V CAMERA. INSTALL PER MANUFACTURERS REQUIREMENTS.
14. ELECTRICAL CONTRACTOR TO HIRE SECURITY SUB CONTRACTOR (LAFORCE: TONY RUEMENAPP 586-756-8400) TO EXTEND EXISTING PRESS BOX DOOR ALARM SYSTEM TO DOOR D21 AND D21.1. SECURITY SUB CONTRACTOR TO INSTALL WIRING, CONDUIT AND SENSORS AS REQUIRED.
15. ELECTRICAL CONTRACTOR TO HIRE SECURITY SUB CONTRACTOR (LAFORCE: TONY RUEMENAPP 586-756-8400) TO PROVIDE MODIFICATION OF EXISTING SECURITY PANEL TO ALLOW CONNECTION POINTS OF THE NEW FIRE ALARM SYSTEM.
16. PROVIDE INTERFACE MODULE FOR CONNECTION OF FIRE ALARM TO SECURITY PANEL. (1)TROUBLE, (1)ALARM, AND (1)SUPERVISORY.
17. 3/4"C FOR LOW VOLTAGE CABLING FOR CAMERA IN ELEVATOR LOBBY II 020. COORDINATE ROUTING WITH ARCHITECTURAL TRADES. PROVIDE END BUSHINGS AND PULL STRING.

STADIUM AUXILIARY BLDG FIRST FLOOR COMPOSITE AND FIRE ALARM PLAN

SCALE: 1/8" = 1' - 0"

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PBA Project No. 2019-0298

DATE
09-12-19
11-07-19
11-21-19
12-10-19

ISSUE
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BIDS
ADDENDUM #1

PROJECT
Football Stadium Elevator
Adams Field - Wayne State University
Detroit, Michigan
079-326353

TITLE
FIRST FLOOR COMPOSITE AND FIRE ALARM PLAN

SHEET
E.03

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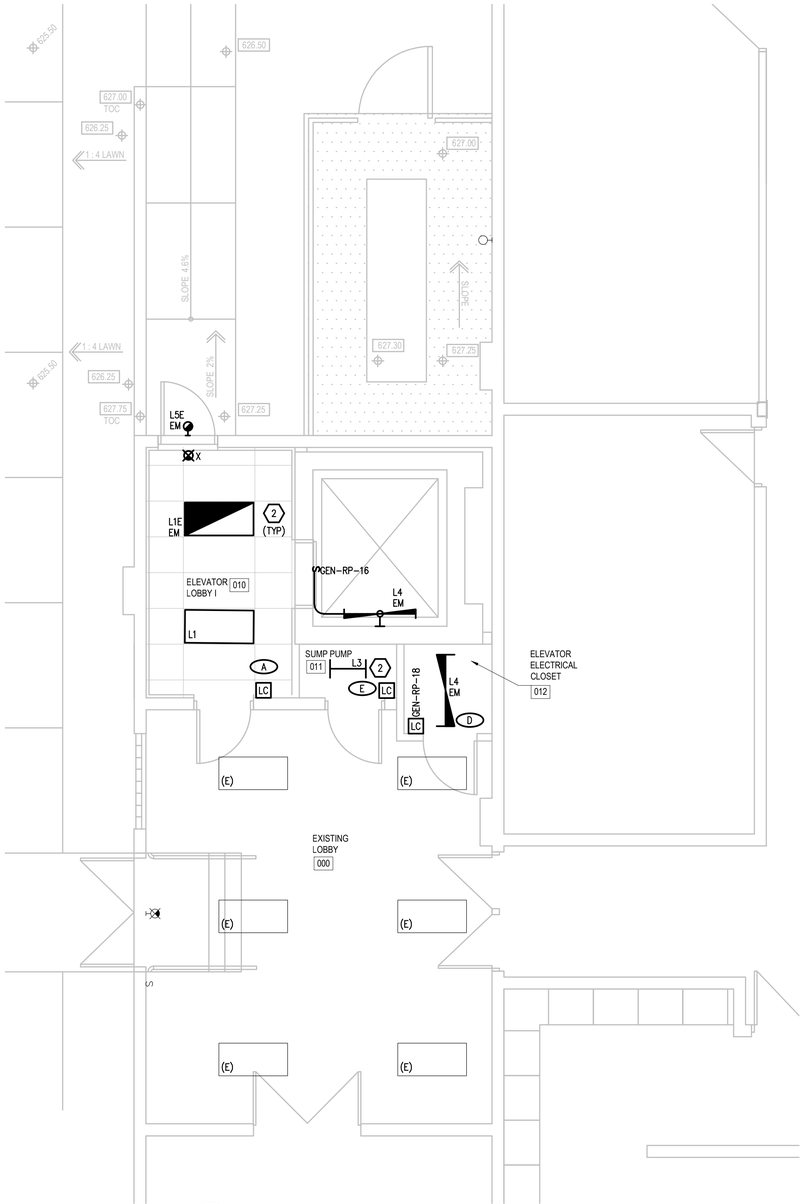
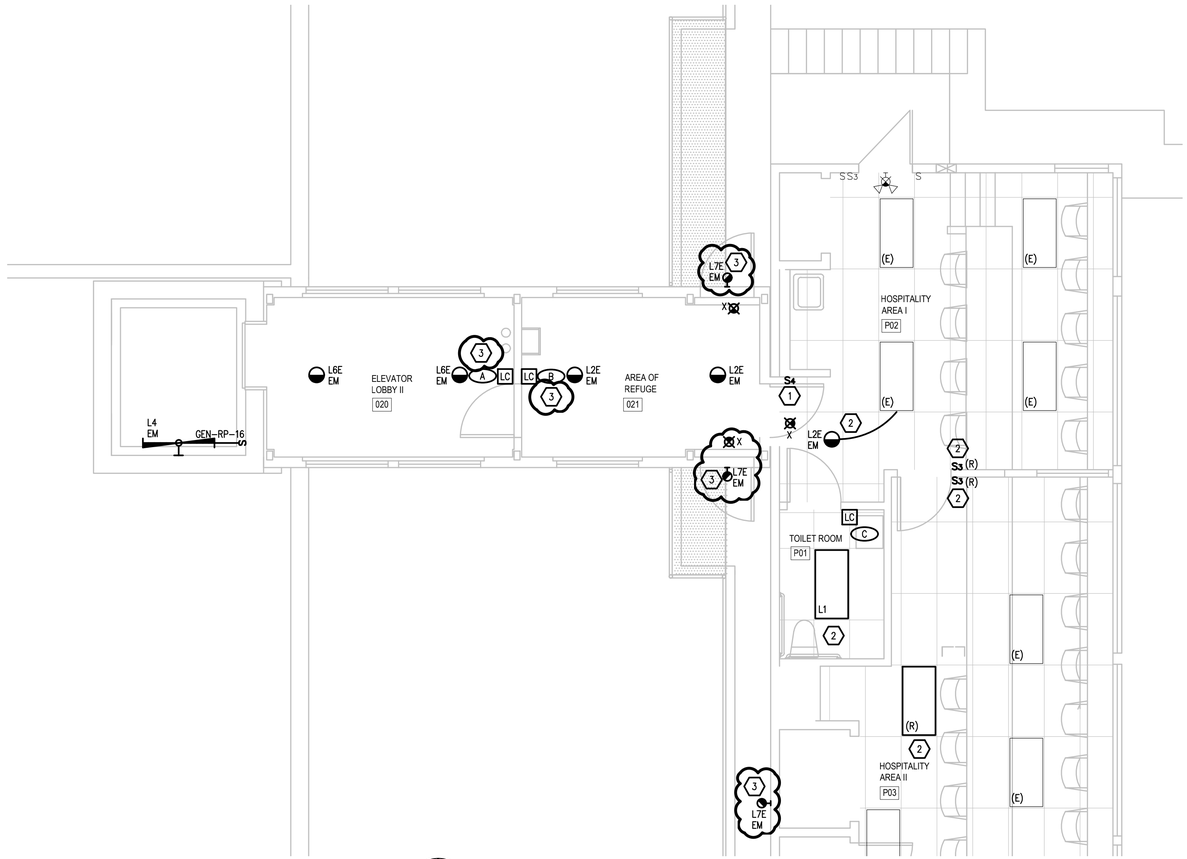
CONSTRUCTION KEY NOTES:

1. PROVIDE NEW 4-WAY SWITCH. TIE NEW 4-WAY SWITCH INTO (R)3-WAY SWITCH BRANCH CIRCUIT. EXTEND (E)3-WAY SWITCH BRANCH CIRCUIT AS REQUIRED.
2. EXTEND EXISTING BRANCH CIRCUIT AS REQUIRED.
3. EXTEND EXISTING LIGHTING BRANCH CIRCUIT FROM PRESSBOX AS REQUIRED.



STADIUM AUXILIARY BLDG LIGHTING PLAN
SCALE: 1/4" = 1' - 0"



PRESSBOX LEVEL LIGHTING PLAN
SCALE: 1/4" = 1' - 0"

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WAYNE STATE UNIVERSITY

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PBA Project No. 2019-0298

PROJECT
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Adams Field - Wayne State University
Detroit, Michigan
079-326353

TITLE
LIGHTING PLANS

SHEET
E.21

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CONSTRUCTION KEY NOTES:

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4. WALL MOUNTED EXTERNAL POWER METER IN ENCLOSURE (9761C05K0A0A7). MOUNT METER BELOW EXTERNAL SPD.
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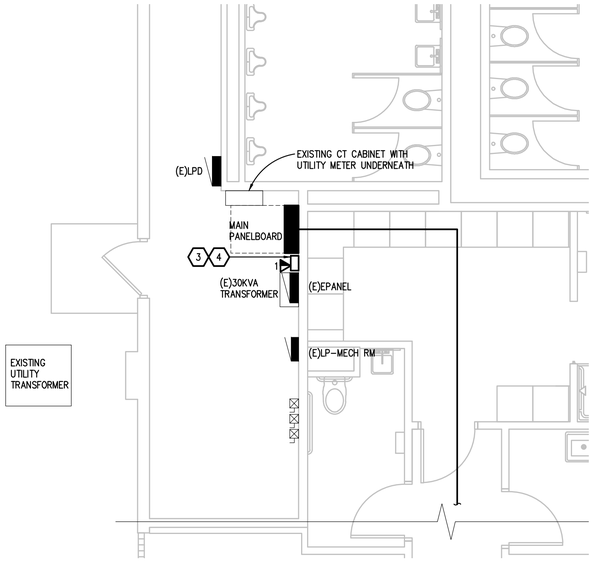
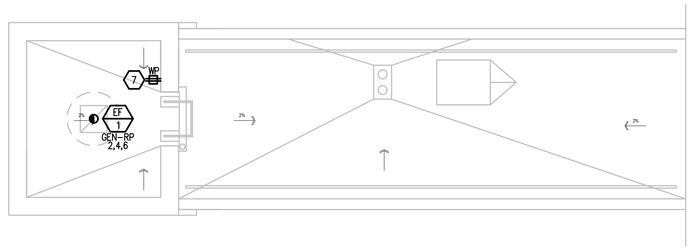
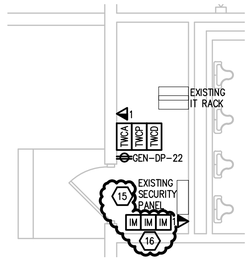
16. PROVIDE INTERFACE MODULE FOR CONNECTION OF FIRE ALARM TO SECURITY PANEL. (1)TROUBLE, (1)ALARM, AND (1)SUPERVISORY.
17. 3/4"C FOR LOW VOLTAGE CABLING FOR CAMERA IN ELEVATOR LOBBY II 020. COORDINATE ROUTING WITH ARCHITECTURAL TRADES. PROVIDE END BUSHINGS AND PULL STRING.



STADIUM AUXILIARY BLDG POWER AND AUXILIARY SYSTEMS PLAN
SCALE: 1/4" = 1' - 0"





ROOF POWER AND AUXILIARY SYSTEMS PLAN
SCALE: 1/4" = 1' - 0"

IT ROOM POWER AND AUXILIARY SYSTEMS PLAN
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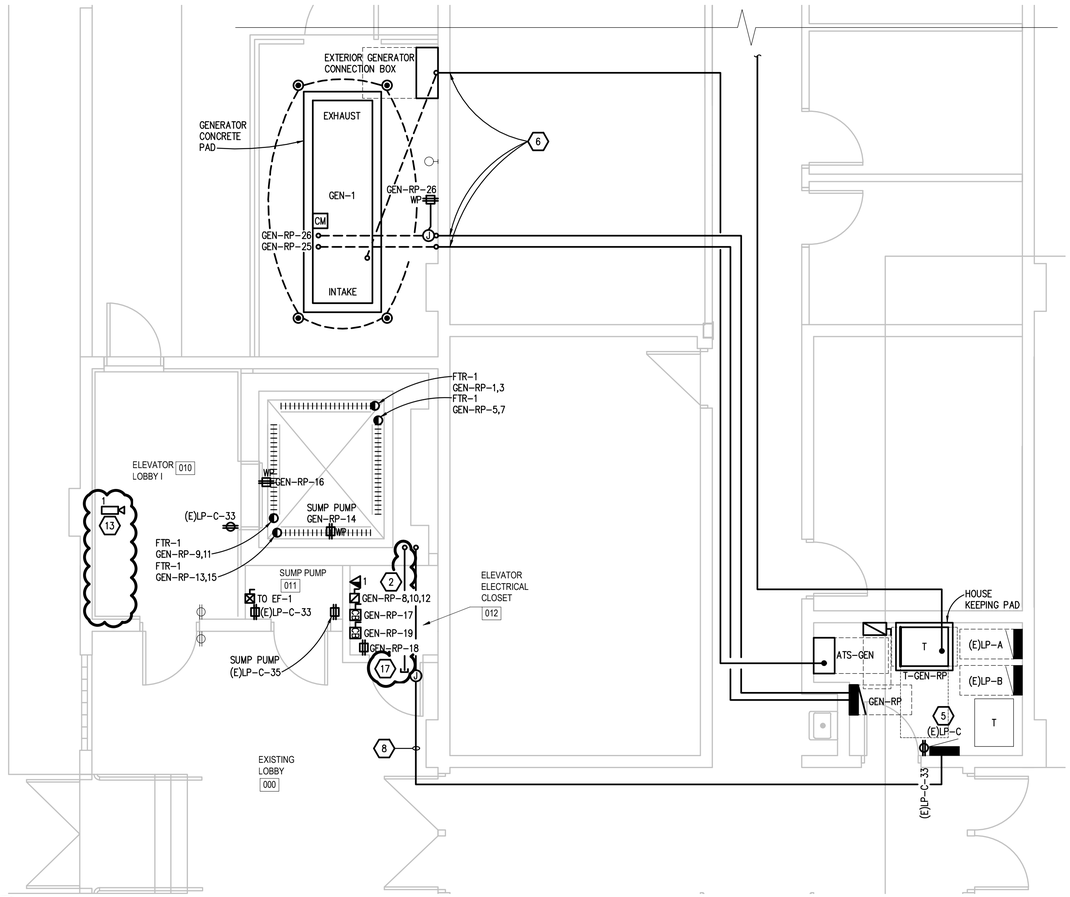

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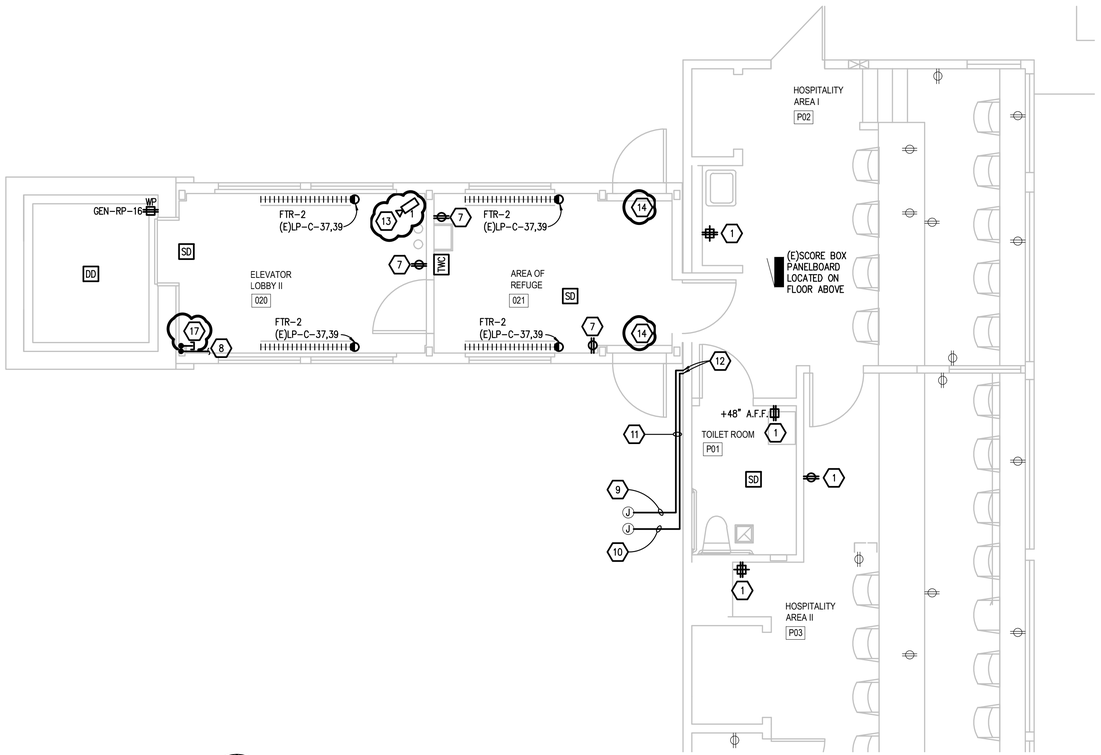

PRESSBOX LEVEL POWER AND AUXILIARY SYSTEMS PLAN
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TITLE
POWER AND AUXILIARY SYSTEMS PLANS

SHEET
E.31

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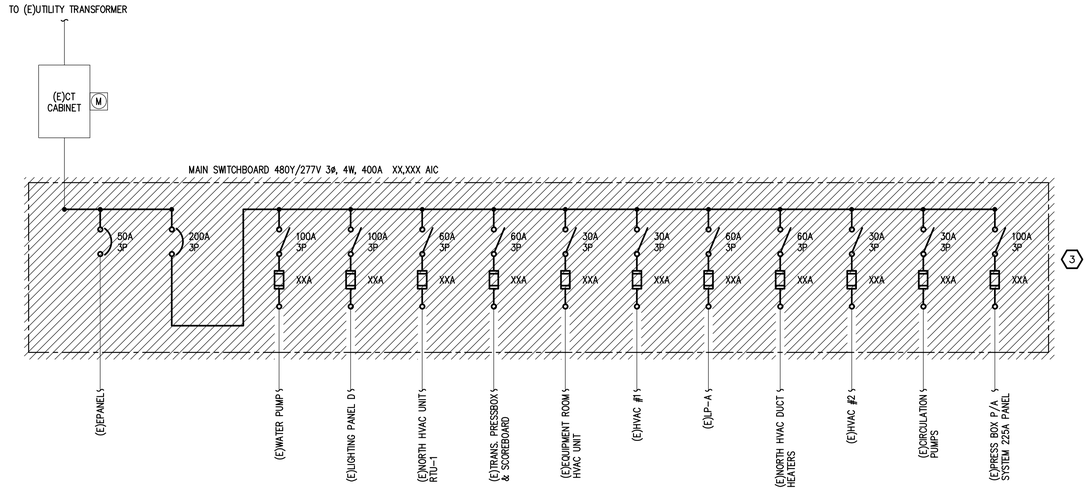
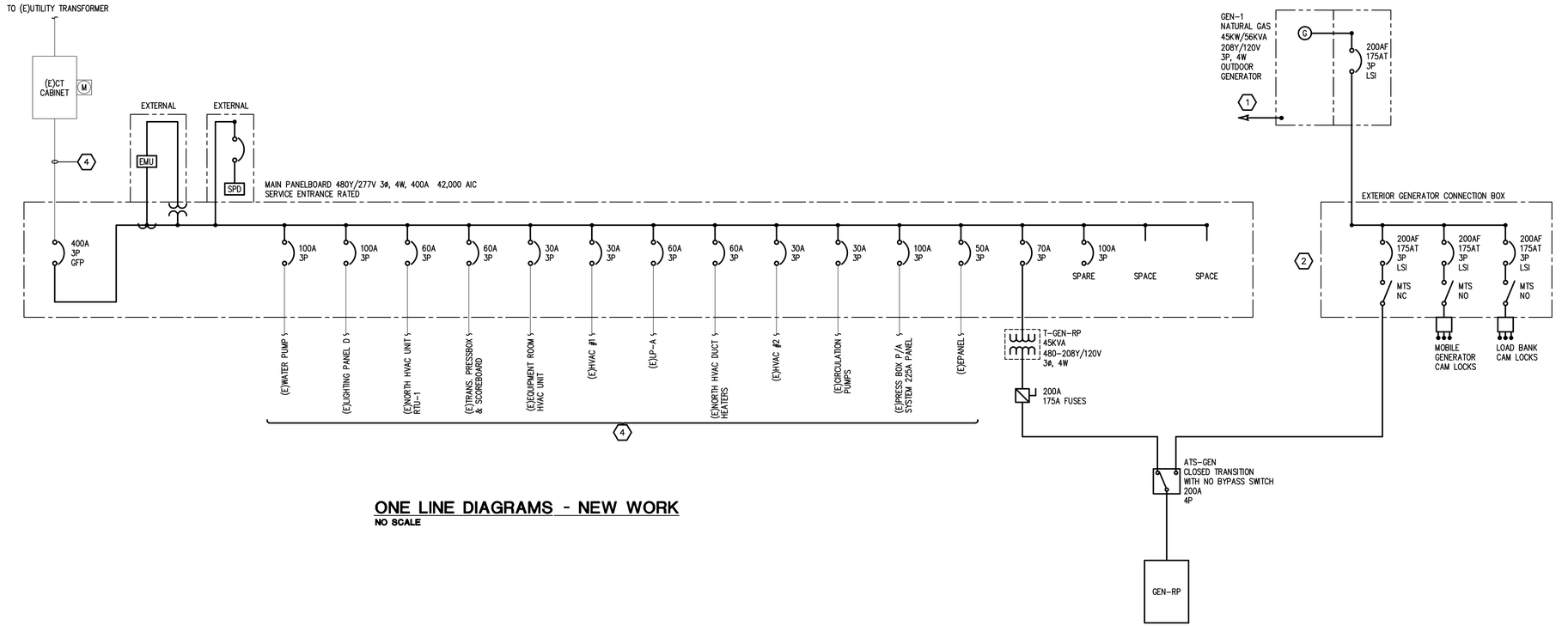


ONE LINE DIAGRAMS - DEMOLITION

NO SCALE



ONE LINE DIAGRAMS - NEW WORK

NO SCALE

DIAGRAM GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE–GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.
3. TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "TRANSFORMER CIRCUIT SIZING SCHEDULE–GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.
4. BASIS OF DESIGN IS SQUARE D DISTRIBUTION EQUIPMENT AND ASCO TRANSFER SWITCHES. IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT FROM OTHER APPROVED MANUFACTURERS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE LAYOUT AND CLEARANCE REQUIREMENTS IN ALL SPACES CONTAINING ELECTRICAL EQUIPMENT AND PROVIDE EQUIPMENT MEETING THE SPECIFICATIONS AND ACHIEVING CODE REQUIRED CLEARANCES WITHIN THE SPACE PROVIDED.
5. SELECTIVE COORDINATION (PER NEC ARTICLES 517.30, 700.28 AND 701.27) IS BASED ON SQUARE D DISTRIBUTION EQUIPMENT AND ASCO TRANSFER SWITCHES. ELECTRICAL CONTRACTOR SHALL SUBMIT SELECTIVE COORDINATION STUDY WITH TIME CURRENT CHARACTERISTIC CURVES (AND TABLES FOR TESTED PAIR INSTANTANEOUS COORDINATION) FOR THE EMERGENCY SYSTEMS. ELECTRICAL CONTRACTORS SHALL RECEIVE APPROVED SHOP DRAWINGS BACK FROM ENGINEER OF RECORD PRIOR TO PURCHASING OR INSTALLING ANY ELECTRICAL DISTRIBUTION EQUIPMENT. BREAKERS MUST BE COORDINATED WITH AUTOMATIC TRANSFER SWITCHES 3-CYCLE WITHSTAND RATING. ALTERNATE MANUFACTURERS SHALL MEET SELECTIVE COORDINATION CRITERIA AT NO ADDITIONAL COST TO THE PROJECT.
6. BRANCH CIRCUIT CONDUCTORS, FEEDERS, AND BRANCH CIRCUIT OVERCURRENT PROTECTION ARE SIZED AT 125% OF THE TOTAL CONTINUOUS AND NON CONTINUOUS LOAD FOR LIGHTING AND MOTOR LOADS THAT RUN CONTINUOUSLY FOR THREE HOURS OR MORE (NEC 210.19 A, 210.20 A, AND 215.2 A). DEMAND AND CONNECTED LOADS ARE CALCULATED PER NEC 220.

(#) CONSTRUCTION KEY NOTES:

1. REFER TO GENERATOR DETAIL FOR CONDUIT AND WIRING REQUIREMENTS.
2. PROVIDE ESL POWER SYSTEM TRIPLE TRANSFER SWITCH WITH LOAD BANK, TEMPORARY GENERATOR AND PERMANENT GENERATOR CONNECTIONS. (MXD X-175H-175H-175H-208-311-4-C)
3. REMOVE MAIN SWITCHBOARD COMPLETE. EXISTING MAIN FEEDER AND SECONDARY FEEDERS TO REMAIN. CONTRACTOR TO CONFIRM AND DOCUMENT EXISTING FUSE SIZES PRIOR TO DEMOLITION. ORDERING NEW DISTRIBUTION PANEL.
4. EXTEND TO NEW MAIN PANELBOARD AS REQUIRED. CONTRACTOR TO CONFIRM AND DOCUMENT EXISTING FUSE SIZES PRIOR TO ORDERING NEW DISTRIBUTION PANEL.

SILVERI ARCHITECTS
650 LIVERNOIS FERNDALE, MICHIGAN 48220
(248) 591-0360 silveri.com

WAYNE STATE UNIVERSITY

ISSUE	DATE
DD	09-12-19
95% REVIEW	11-07-19
BIDS	11-21-19
ADDENDUM #1	12-10-19

Peter Basso Associates Inc
CONSULTING ENGINEERS
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Troy, Michigan 48098-3276
Tel 248-879-5666
Fax 248-879-0007
www.PeterBassoAssociates.com
PBA Project No. 2019-0298

PROJECT
Football Stadium Elevator
Adams Field - Wayne State University
Detroit, Michigan
079-326353

TITLE
ONE LINE DIAGRAMS

SHEET
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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	L1,L1E

EPANL LED

APPROVED ALTERNATE MANUFACTURERS:
1. Cooper Lighting
2. Hubbel Lighting
3. Signify Lighting

1'x4', 2'x2', and 2'x4'

FEATURES & SPECIFICATIONS

INTENDED USE — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

CONSTRUCTION — Built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" T-grid ceilings. Clips for 9/16" T grid installation are available. See Accessories section on bottom of page. This must be ordered as a separate item. Fixture may be mounted and wired in continuous rows.

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

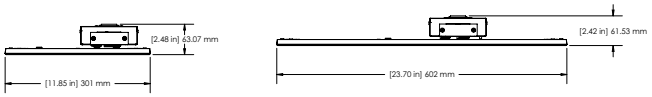
ELECTRICAL — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. High Efficiency EPANL maintains 97.7% of lumens at 60,000 hours (L97/60,000). 0-10V dimming driver, dims to 1% or 10% and contains non-isolated dimming leads.

LISTINGS — CSA certified to meet US and Canadian standards. 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 www.designlights.org/QPL to confirm which versions are qualified. Intended for indoor use only. Damp location listed. IC rated. IP5X rated.

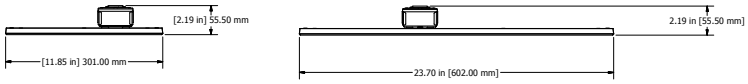
WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

Configurable fixture dimension



Stock fixture dimension



ORDERING INFORMATION Lead times will vary depending on options selected.

Example: EPANL 2X4 4000LM 80CRI 35K MIN1 MVOLT E10WCP NLTAIR2 RIO

Series	Width and Length	Lumens		CRI	Color Temperature	Minimum Dimming Level[1]
		Standard Lumens:	High Efficiency Lumens:			
EPANL LED Flat Panel	1x4 1'x4'	1500LM 1500 Lumens 3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens 6000LM 6000 Lumens	4000LMHE 4000 Lumens	80CRI 80 CRI	35K 3500K 40K 4000K 50K 5000K	MIN10 Dims to 10%[2] MIN1 Dims to 1%
	2x2 2'x2'	2000LM 2000 Lumens 3400LM 3400 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens	3400LMHE 3400 Lumens			
	2x4 2'x4'	3000LM 3000 Lumens 4000LM 4000 Lumens 4800LM 4800 Lumens 5400LM 5400 Lumens 6000LM 6000 Lumens 6800LM 6800 Lumens	4000LMHE 4000 Lumens			

Ordering continued on next page.

EPANL LED Flat Panel

WHERE INDCIATED
AS "L1E" ON PLANS

ORDERING (continued)

Control Input[3]		Voltage		Step Level Dimming		Emergency Option		nLight Interface		Control	
ZT	Generic 0-10V Dimming	MVOLT	120-277V	(Blank)	None	E10WCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS[7,8,9]	nLight Wired:[12]		nLight Wired:[12]	
EZT	eldoLED 0-10V Dimming	120	120V	SLD	Step Level Dimming[5,6]	BGTD	Bodine Generator Transfer Device[10]	(blank)	No constant lumen management	(blank)	no control
NLIGHT	nLight enabled (Wired)	277	277V			EMG	for use with nLight on generator supply EM power[11]	CL80	Constant lumen output 80%		
		347	347V[4]					nLight Wireless:		nLight Wireless:	
								NLTAIR2	nLight AIR Generation 2 enabled[13]	RIO	nLight AIR Radio module

Options			
GLR	Fast-blowing fuse[14]	PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage purple and grey wires[14]
GMF	Slow-blowing fuse[14]	CP	Chicago plenum[16]
PWS1836	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit	RRL_	RELOC®-ready luminaire
PWS1846	6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit	NPLT	Narrow Pallet
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[15]		

Notes:
1. If Step Level Dimming (SLD) is needed please leave this section blank.
2. Not available with EZT or NLIGHT.
3. If Step Level Dimming (SLD) or NLTAIR2 is needed please leave this section blank.
4. Not available with EZT, NLIGHT, SLD, Emergency options or Controls.
5. Not available with BGTD.
6. When using prewire option use PWS1846.
7. When using prewire option use PWS1846 or PWS1846 PWSLV.
8. Please refer to Emergency Battery Estimated Lumen section for lumen estimation. PS1055CP installed with lumen packages > 6000. PS1055CP installed with lumen packages < 5400.
9. Not available with NLTAIR2 RIO in the 2X2 4800LM and 1X4 or 2X4 6000LM and 6800LM.
10. Requires BSE labeling, voltage must be specified (120, 277). Consult factory for options. Example: BGTD BSE10.
11. nLight EMG option requires a conection to existing nLight network. Power is provided from a separate nLight enabled fixture. Requires NLIGHT.
12. Requires NLIGHT control input.
13. Only available with MIN1 Minimum Dimming Level option.
14. Voltage must be specified (120, 277, 347).
15. Not available with nLight Wired / nLight Wireless
16. Not available with NLIGHT or NLTAIR2 RIO.

Stock Configurations available for shorter lead times:

ORDERING INFORMATION

Catalog Number	UPC	Description	Lumens	Color Temperature	CRI	Voltage	Wattage	Efficacy	Pallet Qty.	DLC Product ID	Standard Carton Qty.
EPANL 14 40L 35K	190887602739	1x4 Flat Panel	3905	3500K	>80	120-277V	38.6W	101	26	P2EP2UU2	1
EPANL 14 40LHE 35K	190887602746	1x4 Flat Panel	3922	3500K	>80	120-277V	30.6W	128	26	PW4EWKTF	1
EPANL 14 40L 40K	190887602753	1x4 Flat Panel	4397	4000K	>80	120-277V	38.5W	114	26	PSDQ2435	1
EPANL 14 40LHE 40K	190887602760	1x4 Flat Panel	3857	4000K	>80	120-277V	30.2W	128	26	PYVHJHHA	1
EPANL 14 40L 50K	191723811605	1X4 Flat Panel	4225	5000K	>80	120-277V	38.6W	113	26	PQRR9J9D	1
EPANL 22 34L 35K	190887602647	2x2 Flat Panel	3285	3500K	>80	120-277V	31.3W	105	52	PSJAMM3U	1
EPANL 22 34LHE 35K	190887602661	2x2 Flat Panel	3357	3500K	>80	120-277V	26.0W	129	52	P4A3BZHM	1
EPANL 22 34L 40K	190887602678	2x2 Flat Panel	3479	4000K	>80	120-277V	30.8W	113	52	PPEMCYR8	1
EPANL 22 34LHE 40K	190887602685	2x2 Flat Panel	3361	4000K	>80	120-277V	25.9W	130	52	P8CTRGQ2	1
EPANL 22 34L 50K	191723811650	2x2 Flat Panel	3385	5000K	>80	120-277V	32.9W	102	52	PID80U18	1
EPANL 24 40L 35K	190887602692	2x4 Flat Panel	4039	3500K	>80	120-277V	38.8W	104	26	PMCKJFQQ	1
EPANL 24 40LHE 35K	190887602708	2x4 Flat Panel	3953	3500K	>80	120-277V	30.3W	130	26	PTBTGX3F	1
EPANL 24 40L 40K	190887602715	2x4 Flat Panel	4351	4000K	>80	120-277V	38.9W	112	26	PJKBRVAZ	1
EPANL 24 40LHE 40K	190887602722	2x4 Flat Panel	4013	4000K	>80	120-277V	30.7W	131	26	P1FS4WBQ	1
EPANL 24 40L 50K	191723812312	2X4 Flat Panel	4108	5000K	>80	120-277V	39W	105	26	PELRMDH9	1

LED: One Lithonia Way Conyers, GA 30012 Phone: 800-858-7763 www.acuitybrands.com

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EPANL LED Flat Panel

Performance Data					
Model No.	**CCT**	**Lumens**	**Wattage**	**LPW**	**DLC Product ID**
EPANL 1X4 1500LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	3500	1455	13	110	P8VKRLEE
EPANL 1X4 1500LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	1455	12	119	P7KC755F
EPANL 1X4 1500LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	4000	1518	13	115	PJAPOIUK
EPANL 1X4 1500LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	1518	12	124	P93PN6HF
EPANL 1X4 1500LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277] [ALL OPTIONS]	5000	1527	13	115	PJ2LT8RF
EPANL 1X4 1500LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	1527	12	125	PMO20WDF
EPANL 1X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	2885	27	106	PBMBSQA8
EPANL 1X4 3000LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	2885	26	112	PT0HAAX5
EPANL 1X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	3009	27	110	PNKUCIIA
EPANL 1X4 3000LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	3009	26	116	P53ZWBUF
EPANL 1X4 3000LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	3028	27	111	PMHI2SAT
EPANL 1X4 3000LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	3028	26	117	PFZRHIYS
EPANL 1X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	4025	39	104	PB2IF8PG
EPANL 1X4 4000LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	4025	38	106	PIOB3Q4S
EPANL 1X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	4198	39	109	P7MFGP4R
EPANL 1X4 4000LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	4198	38	110	PQH0HMOH
EPANL 1X4 4000LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	4225	39	110	PY8MM627
EPANL 1X4 4000LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	4225	38	111	P3XBCGJ0
EPANL 1X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	4765	47	101	P7I6D3WI
EPANL 1X4 4800LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	4765	46	103	PJ87LG64
EPANL 1X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	4970	47	106	PICJQWDG
EPANL 1X4 4800LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	4970	46	107	PZW1PDFZ
EPANL 1X4 4800LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	5002	47	107	PQAFPPJ6
EPANL 1X4 4800LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	5002	46	108	PCNBYZM0
EPANL 1X4 6000LM 80CRI 35K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	5804	50	117	P31GEZNP
EPANL 1x4 6000LM 80CRI 35K [MVOLT, 120, 277] SLD [ALL OPTIONS]	3500	5804	50	117	P9MS2F1Z
EPANL 1X4 6000LM 80CRI 40K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	5976	50	120	PEC0ZVXY
EPANL 1x4 6000LM 80CRI 40K [MVOLT, 120, 277] SLD [ALL OPTIONS]	4000	5976	50	120	PRC6VIDH
EPANL 1X4 6000LM 80CRI 50K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	6028	50	121	PSBGKZ54
EPANL 1x4 6000LM 80CRI 50K [MVOLT, 120, 277] SLD [ALL OPTIONS]	5000	6028	50	121	PEVMDG8B
EPANL 2X2 2000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	1946	19	103	P4AJOGI1
EPANL 2X2 2000LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	1946	17	112	P4YZ508D
EPANL 2X2 2000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	2030	20	104	PIQUALNF
EPANL 2X2 2000LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	2030	17	117	PULQ3DQ4
EPANL 2X2 2000LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	2043	20	104	P167DCJS
EPANL 2X2 2000LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	2043	17	118	P1FNCFUQ
EPANL 2X2 3400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	3225	32	100	PMKTPCS2
EPANL 2X2 3400LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	3225	31	103	PB1DW61J
EPANL 2X2 3400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	3364	33	102	PWRHGEH4
EPANL 2X2 3400LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	3364	31	108	PG7KB5GU
EPANL 2X2 3400LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	3385	33	103	PL6024K5
EPANL 2X2 3400LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	3385	31	109	PP79GBQH
EPANL 2X2 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	4025	32	125	PVNFV904
EPANL 2X2 4000LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	4025	32	127	PG3TFG09
EPANL 2X2 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	4144	32	129	P5L7HREA
EPANL 2X2 4000LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	4144	32	131	PPZPR06A
EPANL 2X2 4000LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	4180	32	130	P94H4XFG
EPANL 2X2 4000LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	4180	32	132	PFQ0F3LM
EPANL 2X2 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	4446	36	123	PUWKT0S0
EPANL 2X2 4800LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	4446	36	125	P76FQ6V1
EPANL 2X2 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	4578	36	126	P0OY8NZ2
EPANL 2X2 4800LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	4578	36	128	PB9V8XNL
EPANL 2X2 4800LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	4618	36	127	PW25Y5X9
EPANL 2X2 4800LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	4618	36	129	PAAAM27H
EPANL 2X4 3000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	2993	27	109	PVIRSOQB
EPANL 2X4 3000LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	2993	26	115	PWJKJ91G
EPANL 2X4 3000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	3122	27	114	PU32L41S
EPANL 2X4 3000LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	3122	26	120	PPQP99LT
EPANL 2X4 3000LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	3142	27	115	P4H3UGFQ
EPANL 2X4 3000LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	3142	26	121	PLI4CPSN
EPANL 2X4 4000LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	3914	39	100	PPTL71HY
EPANL 2X4 4000LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	3914	38	102	PRO2E004
EPANL 2X4 4000LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	4082	39	105	PT1H08CF
EPANL 2X4 4000LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	4082	38	106	PGSERWDA
EPANL 2X4 4000LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	4108	39	105	P8TD4A4V
EPANL 2X4 4000LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	4108	38	107	PTXVJN0I
EPANL 2X4 4800LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	4771	47	101	P4PIGUFW
EPANL 2X4 4800LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	4771	46	103	PI2A3L85
EPANL 2X4 4800LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	4976	47	106	P4SKVRJP
EPANL 2X4 4800LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	4976	46	107	P018HM99
EPANL 2X4 4800LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	5008	47	106	PG2MHOZE
EPANL 2X4 4800LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	5008	46	108	PWTSOASQ
EPANL 2X4 5400LM 80CRI 35K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	5143	51	100	PFCL13O0
EPANL 2X4 5400LM 80CRI 35K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	3500	5143	51	100	PK7Q1VHH
EPANL 2X4 5400LM 80CRI 40K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	5296	52	102	PR3K6SHH
EPANL 2X4 5400LM 80CRI 40K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	4000	5296	51	103	P8KYWF8W
EPANL 2X4 5400LM 80CRI 50K [MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	5341	52	102	PVKKX9GJ
EPANL 2X4 5400LM 80CRI 50K [MVOLT, 120V, 277V] SLD [ALL OPTIONS]	5000	5341	51	104	PX1YH6FH
EPANL 2X4 6000LM 80CRI 35K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	6369	54	118	PSV3OWTM
EPANL 2x4 6000LM 80CRI 35K [MVOLT, 120, 277] SLD [ALL OPTIONS]	3500	6369	54	118	P0K7S9Q3
EPANL 2X4 6000LM 80CRI 40K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	6558	54	122	PWVK6LER
EPANL 2x4 6000LM 80CRI 40K [MVOLT, 120, 277] SLD [ALL OPTIONS]	4000	6558	54	122	PHICR0VH
EPANL 2X4 6000LM 80CRI 50K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	6615	54	123	PQMRLFRM
EPANL 2x4 6000LM 80CRI 50K [MVOLT, 120, 277] SLD [ALL OPTIONS]	5000	6615	54	123	P5F8NNO0
EPANL 2X4 6800LM 80CRI 35K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	3500	6645	60	111	PW0040LR
EPANL 2x4 6800LM 80CRI 35K [MVOLT, 120, 277] SLD [ALL OPTIONS]	3500	6645	60	111	P7ALFH3K
EPANL 2X4 6800LM 80CRI 40K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	4000	6842	60	114	P8FFEBQH
EPANL 2x4 6800LM 80CRI 40K [MVOLT, 120, 277] SLD [ALL OPTIONS]	4000	6842	60	114	PIUM942B
EPANL 2X4 6800LM 80CRI 50K [BLANK, MIN1, MIN10] [BLANK, ZT, EZT, NLIGHT] [MVOLT, 120, 277, 347] [ALL OPTIONS]	5000	6901	60	115	PCMK605N
EPANL 2x4 6800LM 80CRI 50K [MVOLT, 120, 277] SLD [ALL OPTIONS]	5000	6901	60	115	P9AP1VBW

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EPANL LED Flat Panel

ACCESSORIES

Accessories: *Order as separate catalog number.*

DGA14	Drywall grid adapter for 1x4 recessed fixture.
DGA22	Drywall grid adapter for 2x2 recessed fixture.
DGA24	Drywall grid adapter for 2x4 recessed fixture.
PS1055CP FMC BRKT	Power Sentry emergency constant power battery pack field installation kit for Certified in CA Title 20 MAEDBS.[1]
2X2SMKSH	2'x2' Surface Mount Troffer Kit[1]
2X4SMKSH	2'x4' Surface Mount Troffer Kit[1]
1X4SMKSH	1'x4' Surface Mount Troffer Kit[1]
EPANL TGRID CLIP J4	Pack of 4 grid clips for 9/16" T grid compatibility.
EPANL TGRID CLIP J50	Pack of 50 grid clips for 9/16" T grid compatibility.
1X4PANLACG 36	Adjustable aircraft cable gripper suspension kit with 36" length cables for 1X4 fixture. Includes: suspension cables, mounting hardware, and 5 wire power feed cable (Ground, Hot, Neutral, and Low Voltage Leads).[2]
1X4PANLACG 72	Adjustable aircraft cable gripper suspension kit with 72" length cables for 1X4 fixture. Includes: suspension cables, mounting hardware, and 5 wire power feed cable (Ground, Hot, Neutral, and Low Voltage Leads).[2]
2X2PANLACG 36	Adjustable aircraft cable gripper suspension kit with 36" length cables for 2X2 fixture. Includes: suspension cables, mounting hardware, and 5 wire power feed cable (Ground, Hot, Neutral, and Low Voltage Leads).[2]
2X2PANLACG 72	Adjustable aircraft cable gripper suspension kit with 72" length cables for 2X2 fixture. Includes: suspension cables, mounting hardware, and 5 wire power feed cable (Ground, Hot, Neutral, and Low Voltage Leads).[2]
2X4PANLACG 36	Adjustable aircraft cable gripper suspension kit with 36" length cables for 2X4 fixture. Includes: suspension cables, mounting hardware, and 5 wire power feed cable (Ground, Hot, Neutral, and Low Voltage Leads).[2]
2X4PANLACG 72	Adjustable aircraft cable gripper suspension kit with 72" length cables for 2X4 fixture. Includes: suspension cables, mounting hardware, and 5 wire power feed cable (Ground, Hot, Neutral, and Low Voltage Leads).[2]

Emergency Battery Estimated Lumens

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

Estimated Lumens = 1.25 x P x LPW

P = Output power of emergency driver (10W for PS1055CP)

LPW = Lumen per watt rating of the luminaire.

SMKSH Accessory

Notes:
1. Cannot be installed with fixture with integrated NLTAIR2 RIO.
2. See Suspension Kits section on bottom of page 6 for additional detail.

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

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

nLight AIR Wireless

nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and costly. The integrated RIO module is part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires.

Simple as 1,2,3

1. Install the nLight® AIR fixtures with integrated RIO module.
2. Install the wireless battery-powered wall switch.
3. With CLAIRITY PRO app, pair the fixtures with the wall switch and if desired, add and customize the ceiling mount sensor settings.

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EPANL LED Flat Panel

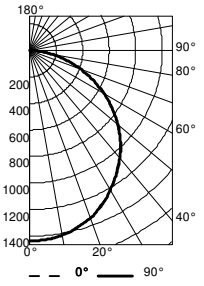
EPANL compatible with Sensor Switch™
WSX-D and SPOD wall switches.

WSX-D

SPOD

PHOTOMETRICS

EPANL 2x2 4000LM 80CRI 40K, 4144.5 delivered lumens.



CP Summary

	0°	90
0°	1433	1433
5°	1432	1431
15°	1385	1385
25°	1282	1285
35°	1136	1140
45°	964	968
55°	754	758
65°	529	528
75°	296	291
85°	85	80
90	4	3

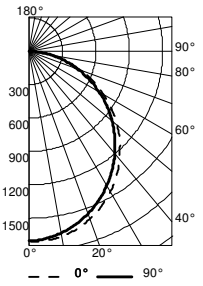
Coefficients of Utilization

	pf		20%								
	pc		80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	104	99	101	97	94	97	94	91
	2	98	90	83	88	82	76	85	79	75
	3	90	79	71	77	70	63	74	68	62
	4	82	70	61	69	60	54	66	59	53
	5	75	62	53	61	53	46	59	52	46
	6	70	56	47	55	47	40	53	46	40
	7	65	51	42	50	42	36	48	41	35
	8	60	46	38	46	37	32	44	37	32
	9	56	43	34	42	34	29	41	34	28
	10	53	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1115	26.9	26.9
0° - 40°	1823	44.0	44.0
0° - 60°	3234	78.0	78.0
0° - 90°	4144	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	4144	100.0	100.0

EPANL 2x4 4800LM 80CRI 40K, 4976.3 delivered lumens.



CP Summary

	0°	90
0°	1703	1703
5°	1707	1689
15°	1653	1610
25°	1535	1477
35°	1364	1300
45°	1154	1086
55°	903	851
65°	636	593
75°	354	335
85°	103	103
90	3	13

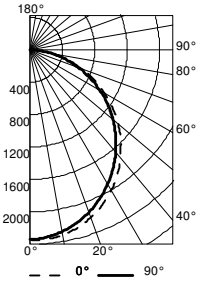
Coefficients of Utilization

	pf		20%								
	pc		80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	103	99	101	97	93	97	94	91
	2	98	90	83	88	82	76	84	79	74
	3	90	79	70	77	69	63	74	68	62
	4	82	70	61	68	60	54	66	59	53
	5	75	62	53	61	52	46	59	51	46
	6	69	56	47	55	46	40	53	46	40
	7	64	51	42	50	41	35	48	41	35
	8	60	46	38	46	37	32	44	37	31
	9	56	42	34	42	34	28	41	33	28
	10	52	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1330	26.7	26.7
0° - 40°	2179	43.8	43.8
0° - 60°	3862	77.6	77.6
0° - 90°	4975	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	4976	100.0	100.0

EPANL 2x4 6800LM 80CRI 40K, 6842.1 delivered lumens.



CP Summary

	0°	90
0°	2342	2342
5°	2347	2323
15°	2273	2214
25°	2111	2030
35°	1875	1788
45°	1586	1493
55°	1242	1170
65°	874	816
75°	487	461
85°	141	141
90	3	17

Coefficients of Utilization

	pf		20%								
	pc		80%			70%			50%		
	pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
RCR	0	119	119	119	116	116	116	111	111	111
	1	108	103	99	101	97	93	97	94	91
	2	98	90	83	88	82	76	84	79	74
	3	90	79	70	77	69	63	74	68	62
	4	82	70	61	68	60	54	66	59	53
	5	75	62	53	61	52	46	59	51	46
	6	69	56	47	55	46	40	53	46	40
	7	64	51	42	50	41	35	48	41	35
	8	60	46	38	46	37	32	44	37	31
	9	56	42	34	42	34	28	41	33	28
	10	52	39	31	39	31	26	38	31	26

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1829	26.7	26.7
0° - 40°	2996	43.8	43.8
0° - 60°	5310	77.6	77.6
0° - 90°	6840	100.0	100.0
90° - 120°	1	0.0	0.0
90° - 130°	1	0.0	0.0
90° - 150°	1	0.0	0.0
90° - 180°	1	0.0	0.0
0° - 180°	6842	100.0	100.0

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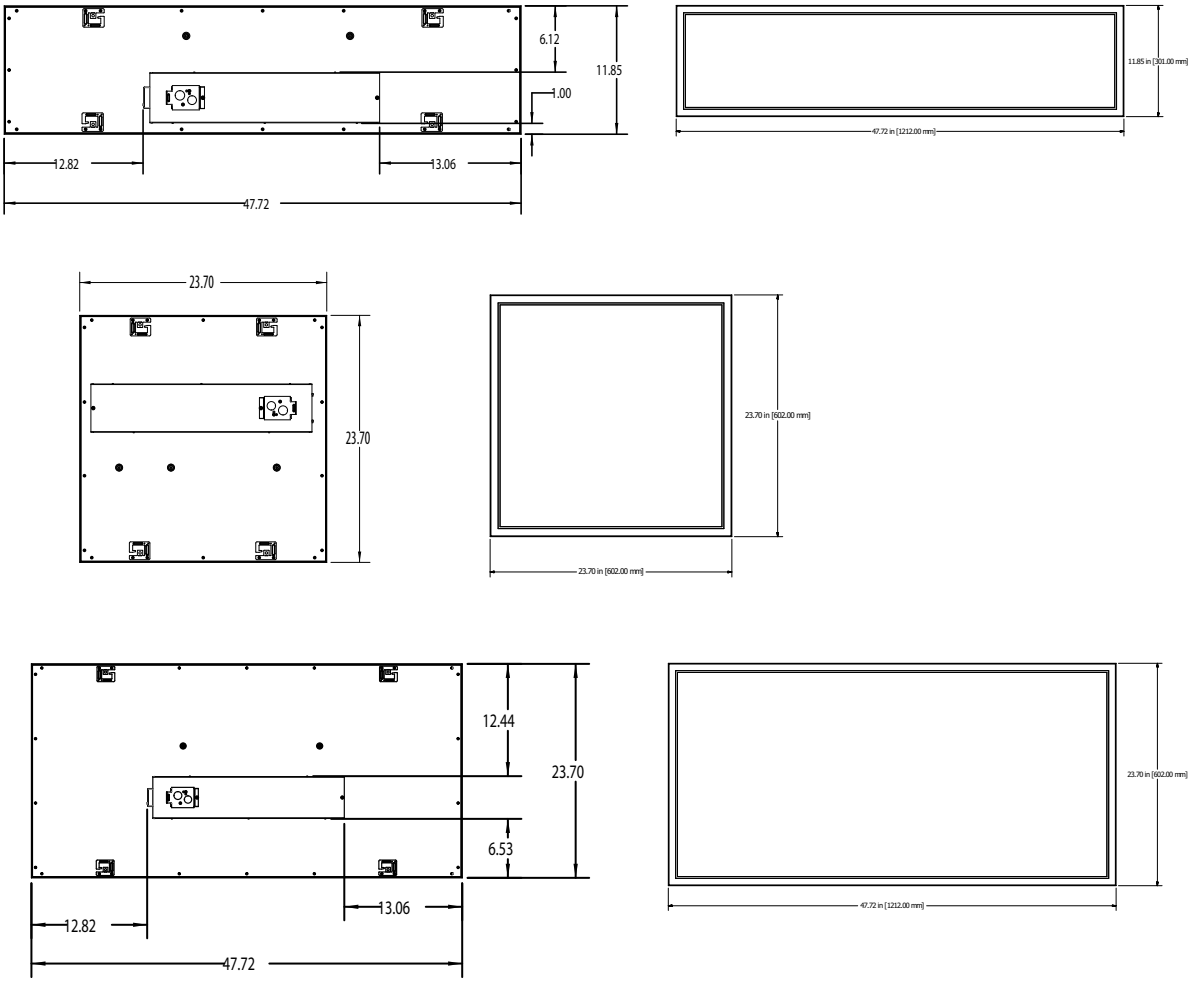
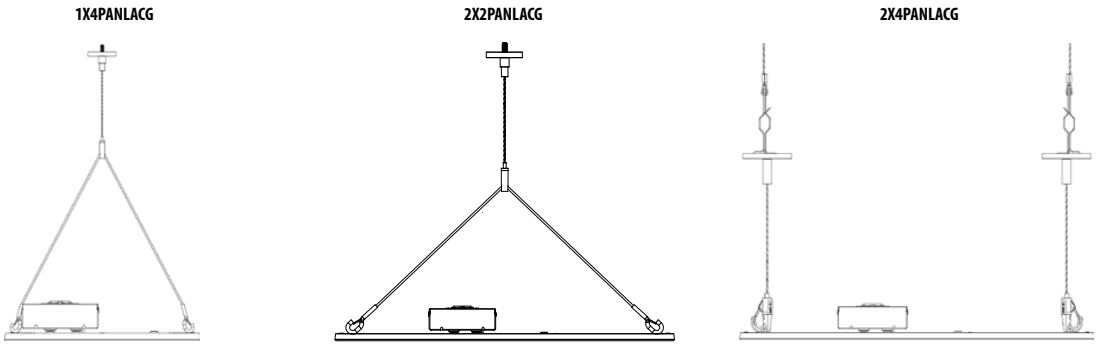
EPANL LED Flat Panel

DIMENSIONS



Suspension Kits



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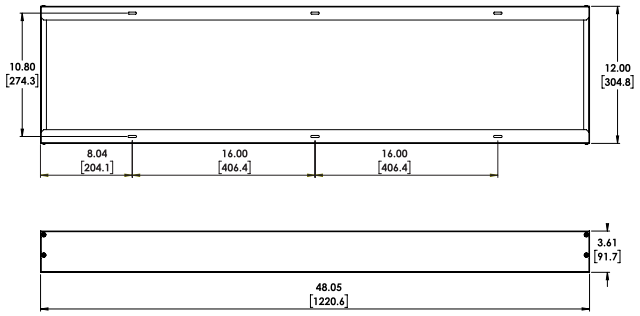
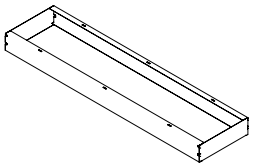
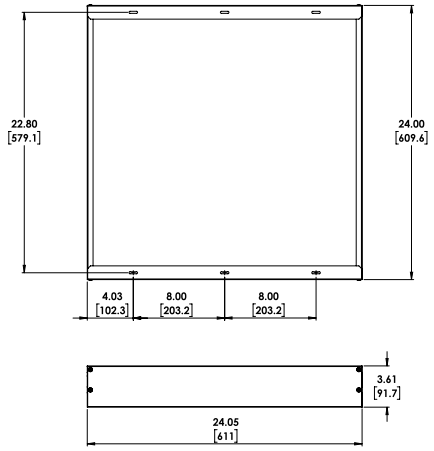
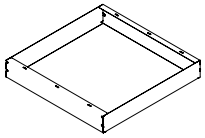
EPANL LED Flat Panel

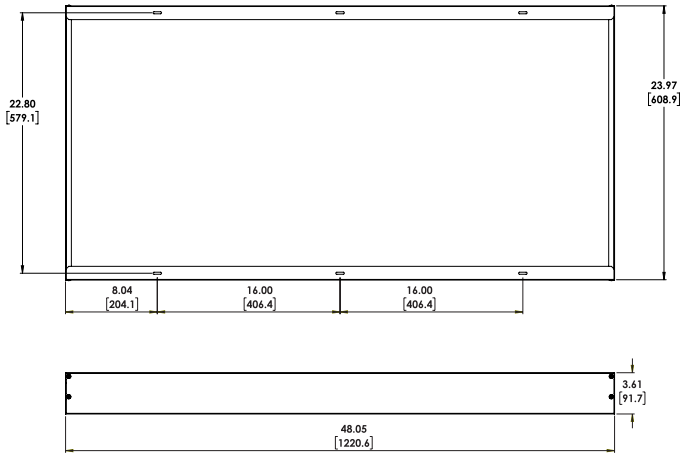
1X4SMKSH, 2X2SMKSH, 2X4SMKSH
SURFACE MOUNT KIT - MOUNTING DATA

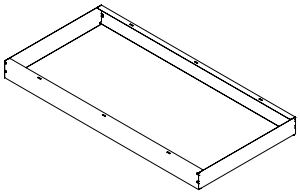












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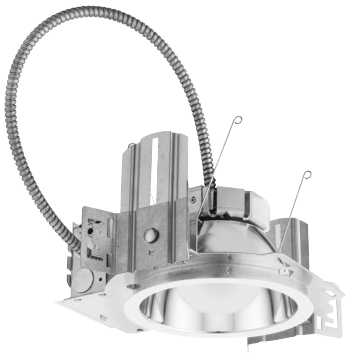
LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	L2E

LDN6

6" OPEN and WALLWASH LED
Non-IC
New Construction Downlight



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.
Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.
Two combination ½"-3/4" and four ½" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.
Accommodates 12"-24" joist spacing.
Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.
Max ceiling thickness 1-1/2".
OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.
LED light source concealed with diffusing optical lens.
General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.
Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.
ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.
0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.
70% lumen maintenance at 60,000 hours.
LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.
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.

APPROVED ALTERNATE MANUFACTURERS:
1. Cooper Lighting
2. Hubbel Lighting
3. Signify Lighting

A+ Capable options indicated by this color background.

battery pack

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

Example: LDN6 35/15 LO6AR LSS MVOLT EZ10

LDN6													
Series	**Color temperature**		**Lumens**[1]				**Aperture/Trim Color**				**Finish**		**Voltage**	
LDN6 6" round	27/	2700K	05	500 lumens	25	2500 lumens	LO6	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt
	30/	3000K	10	1000 lumens	30	3000 lumens	LW6	Wallwash	WR[2]	White	LD	Matte diffuse	120	120V
	35/	3500K	15	1500 lumens	40	4000 lumens			BR[2]	Black	LS	Specular	277	277V
	40/	4000K	20	2000 lumens	50	5000 lumens							347[3]	347V
	50/	5000K												

Driver		**Options**			
GZ10	0-10V driver dims to 10%	SF[4]	Single fuse	N80[8]	nLight™ Lumen Compensation
GZ1	0-10V driver dims to 1%	TRW[5]	White painted flange	NPS80EZ[7]	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
EZ10	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	TRBL[5]	Black painted flange	NPS80EZER[7]	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
EZ1	0-10V eldoLED driver with smooth and flicker-free deep dimming perfor-mance down to 1%	EL[6]	Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	HAO[11]	High ambient option
		ELR[6]	Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	CP[12]	Chicago Plenum
		ELSD[6]	Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	RRL__	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
		ELRSD[6]	Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	NLTAIR2[9,10]	nLight® Air enabled
		E10WCP[6]	Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB	NLTAIRER2[9,10]	nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
		E10WCPR[6]	Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB	USPOM	US point of manufacture
		NPP16D[7]	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	90CRI	High CRI (90+)
		NPP16DER[7]	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.		

Accessories: *Order as separate catalog number.*

EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter[1]
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

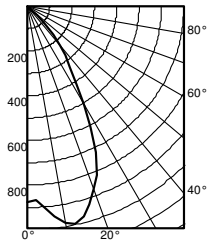
Notes
1 Overall height varies based on lumen package; refer to dimensional chart on page 3.
2 Not available with finishes.
3 Not available with emergency options.
4 Must specify voltage 120V or 277V.
5 Available with clear (AR) reflector only.
6 12.5" of plenum depth or top access required for battery pack maintenance.
7 Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
8 Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
9 Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
10 NLTAIR2 and NLTAIRER2 not recommended for metal ceiling installations.
11 Fixture height is 6.5" for all lumen packages with HAO.
12 Must specify voltage for 3000lm. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.

LDN6

PHOTOMETRY

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30″ Above Floor for a Single Luminaire**

LDN6 35/10 LO6AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



	Ave	Lumens
0	876	
5	905	89
15	971	269
25	720	322
35	330	214
45	110	87
55	1	4
65	1	1
75	0	0
85	0	0
90	0	

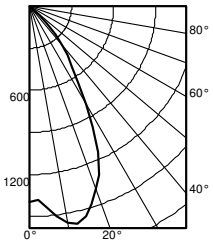
Zone	Lumens	% Lamp
0° - 30°	680.7	69.0
0° - 40°	895.0	90.7
0° - 60°	986.0	99.9
0° - 90°	987.0	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	987.0	*100.0

*Efficiency

pf	80%			70%			50%		
pc			20%			20%			20%
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	104	103	101
2	103	99	95	101	97	94	98	95	92
3	96	91	87	94	90	86	92	88	85
4	89	84	79	88	83	79	86	81	78
5	83	77	73	82	77	73	81	76	72
6	78	72	68	77	72	67	76	71	67
7	73	67	63	73	67	63	71	66	62
8	69	63	59	68	62	58	67	62	58
9	65	59	55	64	59	55	63	58	54
10	61	55	51	61	55	51	60	55	51

		50% beam - 54.5°		10% beam - 82.2°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	29.0	5.7	14.5	9.6	2.9
10.0	15.6	7.7	7.8	13.1	1.6
12.0	9.7	9.8	4.9	16.6	1.0
14.0	6.6	11.8	3.3	20.1	0.7
16.0	4.8	13.9	2.4	23.6	0.5

LDN6 35/15 LO6AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



	Ave	Lumens
0	1396	
5	1442	142
15	1547	429
25	1147	514
35	526	342
45	176	139
55	2	6
65	1	1
75	1	1
85	0	0
90	0	

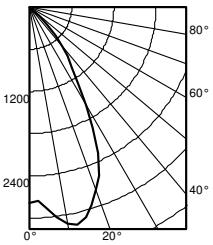
Zone	Lumens	% Lamp
0° - 30°	1084.6	69.0
0° - 40°	1426.2	90.7
0° - 60°	1571.3	99.9
0° - 90°	1572.9	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1572.9	*100.0

*Efficiency

pf	80%			70%			50%		
pc			20%			20%			20%
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	104	103	101
2	103	99	95	101	97	94	98	95	92
3	96	91	87	94	90	86	92	88	85
4	89	84	79	88	83	79	86	81	78
5	83	77	73	82	77	73	81	76	72
6	78	72	68	77	72	67	76	71	67
7	73	67	63	73	67	63	71	66	62
8	69	63	59	68	62	58	67	62	58
9	65	59	55	64	59	55	63	58	54
10	61	55	51	61	55	51	60	55	51

		50% beam - 54.5°		10% beam - 82.2°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	46.2	5.7	23.1	9.6	4.6
10.0	24.8	7.7	12.4	13.1	2.5
12.0	15.5	9.8	7.7	16.6	1.5
14.0	10.6	11.8	5.3	20.1	1.1
16.0	7.7	13.9	3.8	23.6	0.8

LDN6 35/30 LO6AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



	Ave	Lumens
0	2786	
5	2877	284
15	3087	855
25	2289	1025
35	1049	682
45	350	277
55	5	12
65	2	2
75	1	1
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	2164.3	69.0
0° - 40°	2845.9	90.7
0° - 60°	3135.3	99.9
0° - 90°	3138.5	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	3138.5	*100.0

*Efficiency

pf	80%			70%			50%		
pc			20%			20%			20%
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	104	103	101
2	103	99	95	101	97	94	98	95	92
3	96	91	87	94	90	86	92	88	85
4	89	84	79	88	83	79	86	81	78
5	83	77	73	82	77	73	81	76	72
6	78	72	68	77	72	67	76	71	67
7	73	67	63	73	67	63	71	66	62
8	69	63	59	68	62	58	67	62	58
9	65	59	55	64	59	55	63	58	54
10	61	55	51	61	55	51	60	55	51

		50% beam - 54.5°		10% beam - 82.2°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	92.1	5.7	46.1	9.6	9.2
10.0	49.5	7.7	24.8	13.1	5.0
12.0	30.9	9.8	15.4	16.6	3.1
14.0	21.1	11.8	10.5	20.1	2.1
16.0	15.3	13.9	7.6	23.6	1.5

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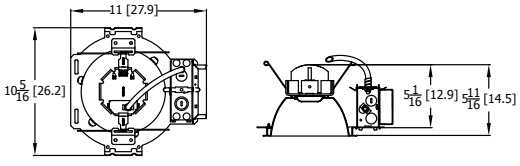
LDN6

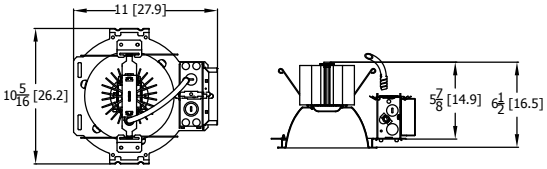
* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 500-1500 LUMEN



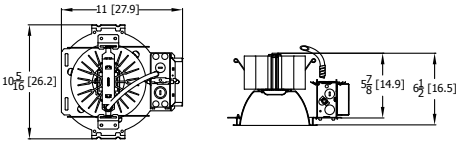
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 2000-3000 LUMEN



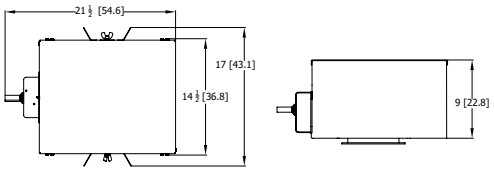
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 4000-5000 LUMEN



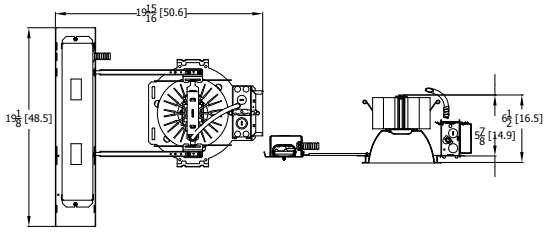
Marked Spacing: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 CP



Aperture: 6-1/4" (15.9)
Ceiling Opening: 7-1/8" (18.1)
Overlap trim: 7-1/2" (19.1)

LDN6 EL-ELR



Marked Spacing above 3000 lumen: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6			
Nominal Lumens	**Lumens**	**Wattage**	**Lm/W**
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

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

Delivered Lumens = 1.25 x P x LPW

P = Ouput power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.
The LPW rating is also available at Designlight Consortium.

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	**White (WR)**	**Black (BR)**
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	**3000K**	**3500K**	**4000K**	**5000K**
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

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LDN6

ADDITIONAL DATA

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DVTV	
	Diva® DVSCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis 0A2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

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

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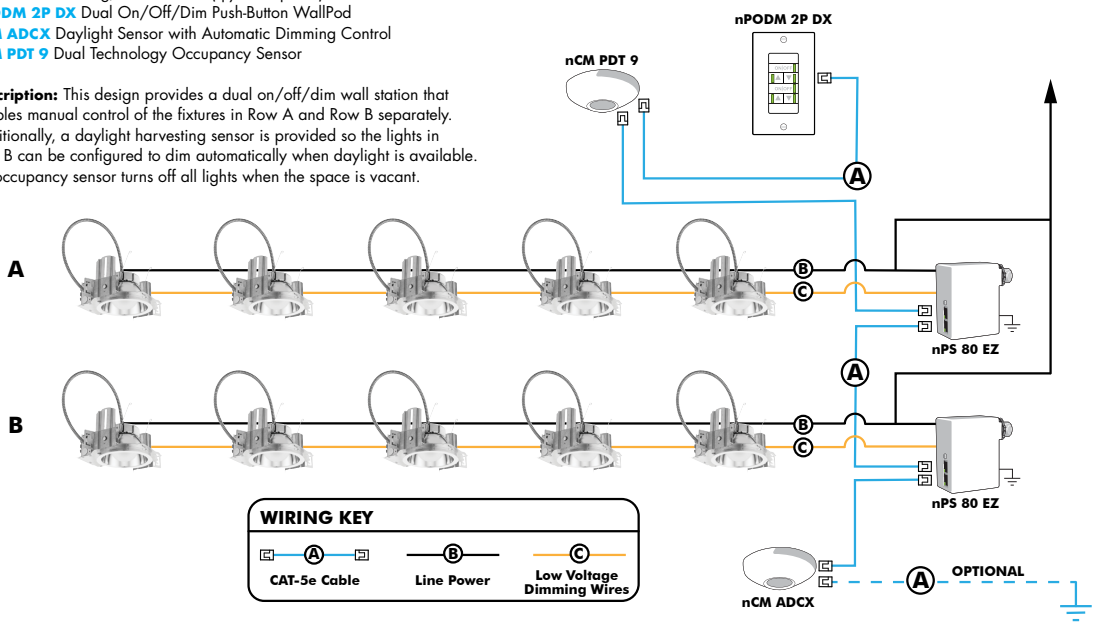
LDN6

EXAMPLE
Group Fixture Control*
*Appiication diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty: 2 required)
nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
nCM ADCX Daylight Sensor with Automatic Dimming Control
nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls
nLight offers multiple styles of wall controls - each with varying features and user experience.

Push-Button Wallpod
Traditional tactile buttons and LED user feedback

Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:			
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	**Model number**	**Occupancy sensors**	**Model Number**
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	**Model Number**	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	**Cat-5 cables (plenum rated)**	**Model Number**
		10', CAT5 10FT	CAT5 10FT J1
		15, CAT5 15FT	CAT5 15FT 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]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH[1]

Notes
1 Can only be ordered with the RES7Z zone control sensor version.

nLight AIR
nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

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

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LITHONIA LIGHTING®

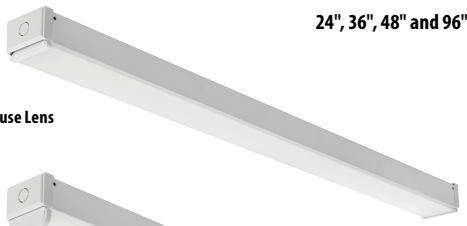
Catalog Number	
Notes	
Type	L3

LED Linear

APPROVED ALTERNATE MANUFACTURERS:
1. Cooper Lighting
2. Hubbel Lighting
3. Signify Lighting

CLX

24", 36", 48" and 96" Lengths



Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** **Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 15.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

L70>100,000 hours at 25˚C.

LEDs provide nominal 80 CRI or 90CRI at 3000 K, 3500 K,4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information).
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 www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/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.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PJANKZR4	Yes
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P77I8Z20	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW6250TE	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PYKOC7EW	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PJANKZR4	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P77I8Z20	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PD0SSIAD	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CR WH	00191723525953	PYKOC7EW	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

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

*See ordering tree for details

CLX LED Linear

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example**: CLX L48 5000LM SEF WDL MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal lumens	Performance package	Louver	Lens
CLX LED linear	L24 24" [1,2]	1500LM 1,500 lumens 2000LM 2,000 lumens 2500LM 2,500 lumens 3500LM 3,500 lumens 4500LM 4,500 lumens 5000LM 5,000 lumens [3,4]	SEF Standard efficiency[5] HEF Premium efficiency	(Blank) Less louver SBLW Straight blade louver, white[6] SBLMB Straight blade louver, matte black[6] SBLGV Straight blade louver, galvanized[6] SBLSKGY Straight blade louver, smoke gray[6]	L/Lens Less lens FDL Flat diffuse [7,8] RDL Round diffuse [7,8] WDL Wide diffuse [7,8]
	L36 36" [2]	2250LM 2,250 lumens 3000LM 3,000 lumens 3750LM 3,750 lumens 5250LM 5,250 lumens 6750LM 6,750 lumens 7500LM 7,500 lumens [3,4]			
	L48 48"	3000LM 3,000 lumens 4000LM 4,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens [2] 9000LM 9,000 lumens [2] 10000LM 10,000 lumens [2,4]			
	L96 96"	6000LM 6,000 lumens 8000LM 8,000 lumens 10000LM 10,000 lumens 14000LM 14,000 lumens [2,4] 18000LM 18,000 lumens [2,4] 20000LM 20,000 lumens [2,4]			

Distribution	Voltage		Driver[14]	Color temperature	Coloring rendering index
(Blank) General	MVOLT 120-277V[10]	277 277V	GZ10 0 -10V dimming[15]	30K 3000 K	80CRI 80 CRI
ND Narrow[8,9]	120 120V	347 347V[12,13]	EZ1 Dimming to 1%[2]	35K 3500 K	90CRI 90 CRI
WD Wide[8,9]	208 208V[11]	480 480V[12,13]		40K 4000 K	
AD2 Aisle, 24° off center[8,9]	240 240V[11]			50K 5000 K	

Options

PS1050	Emergency battery pack, 10W, CA Title 20 Noncompliant[2,11,13,16,17]
E10WLCP	Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS[2,11,13,16,17]
BGTD	Generator transfer device, not avaialble with PS1050[13,16,18]
OCS	5', 18/3 Reloc selectable One Pass cable[16]
HA	High ambient, for use in ambient temperatures up to 50°C[11]
EPNKO	Decorative endplate, no knock out[19]
OUTCTR	Wiring leads pulled through back center of fixture[20]
OUTEND	Wiring leads pulled through end of fixture[21]
Cord Sets:	
CS1W	Staight blade plug, 120V[10,16]
CS3W	NEMA twist-lock plug, 120V[10,16]
CS7W	Staight blade plug, 277V[10,16]
CS11W	NEMA twist-lock plug, 277V[10,16]
CS25W	NEMA twist-lock plug, 347V[10,16]
CS97W	NEMA twist-lock plug, 480V[10,16]
CS93W	600V SEOOW white cord, no plug (no voltage required)
CS6WG16ST0WD5D	6' white cord, 16/5, no plug, includes low voltage dimming wires (no voltage required)[15]
PLR__	Plug-in wiring, see page 16 for ordering information
PLR1LVG	Plug-in wiring,low voltage dimming[22]
RRL__	RELOC®-ready luminaire. See page 15 for ordering information
SPD	Surge protection device, provides up to 6kV protection[16,20]
USPOM	Assembled in the United States
nLight® Wireless: [23,24]	
NLTAIR2 RES7	nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell
NLTAIR2 RES7PDT	nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell
NLTAIR2 RIO	No sensor control
nLight® Wired: [23,25]	
N100	nLight® without lumen management
NES7	nLight® nES 7 PIR integral occupancy sensor[26]
NESPDT7	nLight® nES PDT 7 dual technology integral occupancy control[26]
NES7ADCX	nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell[26]
NESPDT7ADCX	nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell[26]
Individual controls: [23,25]	
MSD7	PIR integral occupancy sensor
MSDPDT7	PDT 7 dual technology integral occupancy control
MSD7ADC	PIR integral occupancy sensor with automatic dimming control photocell
MSDPDT7ADC	PDT integral occupancy sensor with automatic dimming control photocell

Finish

WH	White
GALVW	Galvanized with white lens end caps
GALVB	Galvanized with black lens end caps
MB	Matte black
SKGYW	Smoke gray with white lens end caps
SKGYB	Smoke gray with black lens end caps

See Accessories and footnotes on next page

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CLX LED Linear

Accessories: *Order as separate catalog number.*

Mounting:	
ZACVH	Aircraft cable 120" (one pair)
ZAC120	One adjustable aircraft cable with canopy 120" [27]
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120" [27]
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120" [27]
ZAC240	One adjustable aircraft cable with canopy 240" [27]
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240" [27]
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240" [27]
SQ_	Stem kit, 2" increments up to 48" [27]
THCLX___	Tong hanger (Must specify color) (one pair) [28]
CLXANGBKT____	Angle bracket, (Must specify color) (one pair) [28]
HC36	Hanger chain, 36" (one pair)
Sensors & Controls:	
LSXR	Sensor Switch ® LSXR occupancy sensor [29]
NPP16D	nLight® switching/dimming module
NPP16DER	nLight® switching/dimming module with emergency relay
rPP20D	nLight® air dimming/switching module
XPA CMRB0	XPoint™ Wireless 0-10V relay, external, 55°C max ambient
Reflectors:	
CLXRW24___	Wide decorative 24" reflector, (Must specify color) [30]
CLXRW36___	Wide decorative 36" reflector, (Must specify color) [30]
CLXRW48___	Wide decorative 48" reflector, (Must specify color) [30]
CLXRW96___	Two wide decorative 48" reflectors, (Must specify color) [30]
CLXRWU24___	Wide decorative 24" reflector with uplight, (Must specify color) [30]
CLXRWU36___	Wide decorative 36" reflector with uplight, (Must specify color) [30]
CLXRWU48___	Wide decorative 48" reflector with uplight, (Must specify color) [30]
CLXRWU96___	Two wide decorative 48" reflectors with uplight, (Must specify color) [30]
CLXRN24	Narrow 24" reflector, (Must specify color) [31]
CLXRN36	Narrow 36" reflector, (Must specify color) [31]
CLXRN48	Narrow 48" reflector, (Must specify color) [31]
CLXRN96___	Two narrow 48" reflectors, (Must specify color) [31]
Wireguards:	
WGCLX24___	24" wireguard, (Must specify color) [32]
WGCLX36___	36" wireguard, (Must specify color) [32]
WGCLX48___	48" wireguard, XX, (Must specify color) 96" fixture requires two [32]

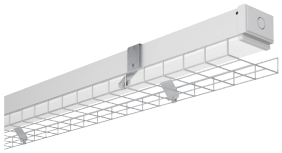
Notes

1 Not available with OUTCTR option.
2 Not available with HA option.
3 Not available with SEF when ordered in combination with EZ1.
4 Not available with NLTAIR2 RES7, NLTAIR2 RES7PDT, or NLTAIR2 RIO.
5 Not available with EZ1 when ordered with L24 with 5000LM or L36 with 7500LM.
6 When ordered with L24 only available with 1500LM or 2000LM in combination with GZ10 driver. Not for use with THCLX, CLXANGBKT, CLX reflectors or WGCLX accessories. Not available with RDL lens options.
7 Only available with general distribution.
8 Not available with CLXRN accessories.
9 Available L/LENS only.
10 Not available with PS1050, E10WLCP, or BGTD.
11 Not available with BGTD option.
12 Voltage selected utilizes a step-down transformer. Not available with L24 when ordered with N100.Not available with PS1050, E10WLCP or BGTD option.
13 Requires SPD option.
14 When continuous row mounting, fixtures must all have the same driver selection.
15 Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options.
16 Must specify voltage.
17 Not available with L24 or L36. Not available with L48 in combination with N100.
18 Available with L48 or L96 only. 20 Not available with PS1050 or E10WLCP options. Not available with 208 or 240V. Not available Individual controls, NLight Wired, or NLight Wireless options.
19 Not available OUTEND.
20 Required with PS1050, E10WLCP, BGTD, XAD, or XAD924.
21 Not available with PLR options.
22 Not available with XPoint, Individual controls, NLight Wired, or NLight Wireless options.
23 Sensor housing will be the same color as lens end caps.
24 Not available with L24 in combination with 5000LM, not available with L36 in combination with 7500LM, not available with L48 in combination with 10000LM, and not available with L96 in combination with 14000LM, 18000LM, or 20000LM. Not available with PLRs containing low voltage dimming wires.
25 Not available with any other control option. Requires EZ1.
26 Requires N100 option.
27 Ships standard as white.
28 Not available with louver, wireguards, wide reflectors.
29 More configurations on LSXR Specification Sheet.
30 L24 reflector is 22.65", L36 reflector is 34.01", L48 reflector is 46.80", L96 comes with two L48 reflectors.
31 For use with L/LENS fixtures only. L24 reflector is 22.75", L36 reflector is 34.20", L48 reflector is 46.85", L96 comes with two L48 reflectors.
32 Not for use with CLX wide reflector accessories.

OPTIONS AND ACCESSORIES

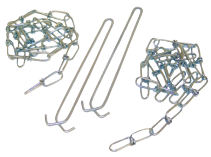
Narrow reflector
Ships separtely from fixture.
Order as:
CLXRN24__
CLXRN36__
CLXRN48__
CLXRN96__

Wide decorative reflector
Ships separtely from fixture.
Order as:
CLXRW24__
CLXRW36__
CLXRW48__
CLXRW96__



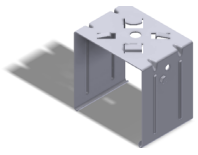
Wireguard
Ships separately from fixture:
96" fixture requires two WGCLX48.
Order as:
WGCLX24__
WGCLX36__
WGCLX48__

Aircraft Cable with Canopy
Available in 120" or 240"
Order as:
ZAC120
ZAC240



HANGER CHAIN
36" chain with Y hanger. ships as a pair
Order as:
HC36

ZACVH HANGER
10' Aircraft cable with Y hanger.
Order as:
ZACVH



Tong hanger
Ships as a pair
Order As:
THCLX___

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4963 www.lithonia.com
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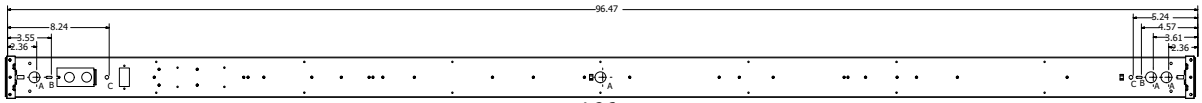
CLX LED Linear

DIMENSIONS

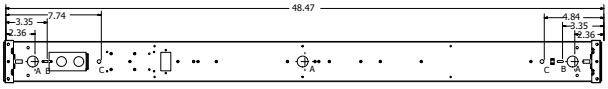
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

INTEGRATED SENSOR ADDS 2.0 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE. DIMENSIONS BELOW INCLUDE ENDCAPS.

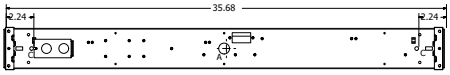
A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE



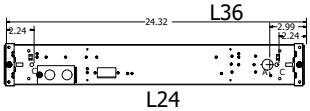
L96



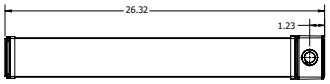
L48



L36



L24

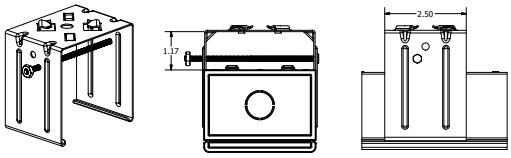


L24 WITH SENSOR

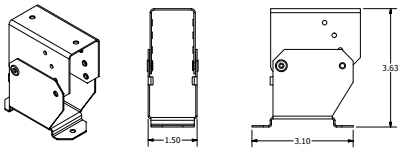
PALLET DIMENSIONS

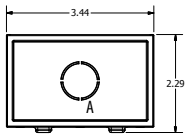
Length	Approx Weight	Fixtures per pallet	Pallet Dims (L X W X H)
L24	4 lb	100	54x46x37
L36	5 lb	80	54x46x37
L48	7.5 lb	64	54x46x37
L96	14 lb	64	98x46x37

THCLX - SHIPS TWO PER ORDER,
UTILIZES A #8 HEX HEAD SCREW AND NUT
FIXTURE SITS 1.3 INCHES FROM STRUCTURE WHEN MOUNTED

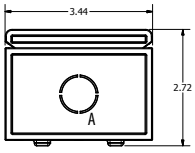


CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE

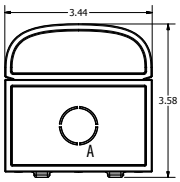




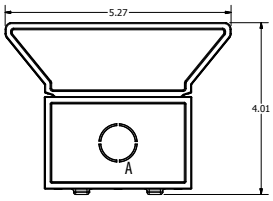
L/LENS



FDL



RDL



WDL

PHOTOMETRICS

See www.lithonia.com.

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CLX LED Linear

POWER SENTRY EMERGENCY BATTERY PACKS

		SEF Emergency Lumens	HEF Emergency Lumens
PS1050	Factory installable	1400	1500
E10WLCP	Factory installable	1400	1500
PS1555LCP	Field installable, remote mount only	2000	2100

Note: For emergency lumen output of specific model, please consult factory. One board will be illuminated during emergency operation.

CLX CHARACTERISTICS

Nominal Lumen Package	Length	Wattage								Length	Width	Depth	Comparable Light Source
		Standard efficiency				High efficiency							
		120V	277V	347V	480V	120V	277V	347V	480V	Dimensions are shown in inches			
2500LM	24"	19.9	19.9	25.9	25.9	18.5	18.5	24.5	24.5	24	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
5000LM	24"	41.9	41.9	47.9	47.9	37.9	37.9	43.9	43.9	24	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
3750LM	36"	28.1	28.1	34.1	34.1	27.0	27.0	33.0	33.0	36	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
7500LM	36"	62.9	62.9	68.9	68.9	56.8	56.8	62.8	62.8	36	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
5000LM	48"	35.4	35.4	41.4	41.4	32.9	32.9	38.9	38.9	48	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
10000LM	48"	77.1	77.1	83.1	83.1	70.4	70.4	76.4	76.4	48	3.5	3.75	3 -lamp 32WT8, 2-lamp 54W T5HO, 100W HID
10000LM	96"	70.8	70.8	76.8	76.8	65.8	65.8	71.8	71.8	96	3.5	3.75	3 -lamp 32WT8, 2-lamp 54W T5HO, 100W HID
20000LM	96"	154.2	154.2	160.2	160.2	140.8	140.8	146.8	146.8	96	3.5	3.75	6 - lamp 32WT8, 4 -lamp 54T5HO, 200W HID

AMBIENT TEMPERATURE RATINGS

Driver Package		GZ10			EZ1 or EOHN			Any Driver	
Length	Lumen package	Direct Surface	THCLX/ Suspended	HA Option (Direct or Suspended)	Direct Surface	THCLX	Suspended 18"	Xpoint/ BGTD Direct Surface	PS1050 Suspended
L24	1500LM	40C	40C	N/A	35C	35C	35C	N/A	N/A
	2000LM	40C	40C		35C	35C	35C		
	2500LM	40C	40C		35C	35C	35C		
	3000LM	40C	40C		40C	40C	40C		
	4500LM	40C	40C		35C	35C	40C		
	5000LM	40C	40C		25C	30C	35C		
L36	2250LM	40C	40C		40C	40C	40C		
	3000LM	40C	40C		40C	40C	40C		
	3750LM	40C	40C		40C	40C	40C		
	5250LM	40C	40C		35C	35C	40C		
	6750LM	30C	40C		35C	35C	40C		
	7500LM	30C	40C		25C	30C	35C		
L48	3000LM	40C	40C	50C	40C	40C	40C	35C	25C
	4000LM	40C	40C	50C	40C	40C	40C		
	5000LM	40C	40C	50C	35C	35C	40C		
	7000LM	30C	40C	N/A	35C	35C	40C		
	9000LM	30C	40C		25C	30C	35C		
	10000LM	30C	40C		25C	30C	35C		
L96	6000LM	40C	40C	50C	35C	35C	40C		
	8000LM	30C	40C	50C	35C	35C	40C		
	10000LM	30C	40C	50C	25C	30C	35C		
	14000LM	40C	40C	N/A	35C	35C	40C		
	18000LM	30C	40C		25C	30C	35C		
	20000LM	30C	40C		25C	30C	35C		

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CLX LED Linear

CLX OPERATIONAL DATA

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
L/Lens	L24	1500LM	SEF	80	1497	1540	1582	1619	10.85
				90	1305	1333	1371	1441	10.85
			HEF	80	1493	1514	1582	1586	10.39
				90	1220	1237	1301	1301	10.39
		2000LM	SEF	80	2066	2125	2183	2235	14.48
				90	1801	1840	1892	1989	14.48
			HEF	80	2060	2089	2183	2189	13.46
				90	1684	1708	1796	1796	13.46
		2500LM	SEF	80	2616	2689	2763	2829	18.41
				90	2279	2329	2394	2517	18.41
			HEF	80	2607	2644	2763	2771	17.42
				90	2132	2161	2273	2273	17.42
		3500LM	SEF	80	3518	3617	3716	3804	25.83
				90	3065	3132	3220	3385	25.83
			HEF	80	3506	3556	3716	3726	25.04
				90	2867	2907	3057	3057	25.04
		4500LM	SEF	80	5040	5182	5325	5451	38.7
				90	4392	4487	4614	4851	38.7
			HEF	80	5024	5096	5325	5339	34.8
				90	4108	4165	4380	4380	34.8
		5000LM	SEF	80	5355	5506	5657	5791	41.48
				90	4667	4767	4902	5153	41.48
			HEF	80	5338	5414	5657	5672	38.11
				90	4364	4425	4653	4653	38.11
	L36	2250LM	SEF	80	2411	2547	2101	2207	16.36
				90	2479	2607	2146	2320	16.36
			HEF	80	2437	2554	1965	2095	15.47
				90	2547	2403	1992	2095	15.47
		3000LM	SEF	80	3221	3388	2730	2868	20.8
				90	3310	3133	2789	3015	20.8
			HEF	80	3167	3319	2553	2722	19.98
				90	3310	3123	2589	2722	19.98
		3750LM	SEF	80	4123	4337	3495	3671	26.47
				90	4236	4010	3570	3859	26.47
			HEF	80	4054	4248	3268	3485	25.09
				90	4236	3997	3314	3485	25.09
		5250LM	SEF	80	5545	5833	4700	4937	39.9
				90	5698	5393	4801	5190	39.9
			HEF	80	5452	5713	4396	4687	34.3
				90	5698	5376	4457	4687	34.3
		6750LM	SEF	80	7081	7448	6001	6303	54.85
				90	7275	6886	6131	6627	54.85
			HEF	80	6962	7294	5613	5984	47.97
				90	7275	6864	5691	5984	47.97
		7500LM	SEF	80	7756	8158	6574	6905	62.6
				90	7969	7543	6716	7260	62.6
			HEF	80	7626	7991	6148	6555	54.02
				90	7969	7519	6234	6555	54.02

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CLX LED Linear

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
L/Lens	L48	3000LM	SEF	80	3019	3104	3190	3265	20.32
				90	2631	2688	2764.	2906.	20.32
			HEF	80	3010	3052	3190	3198	19.01
				90	2461	2495	2624	2624	19.01
		4000LM	SEF	80	4034	4148	4262	4363	27.58
				90	3515	3591	3693	3882	27.58
			HEF	80	4021	4078	4262	4273	24.75
				90	3288	3334	3505	3505	24.75
		5000LM	SEF	80	5047	5189	5332	5458	34.8
				90	4398	4493	4620	4857	34.8
			HEF	80	5031	5102	5332	5346	31.77
				90	4113	4171	4386	4386	31.77
		7000LM	SEF	80	7311	7517	7724	7907	49.05
				90	6371	6509	6692	7036	49.05
			HEF	80	7288	7391	7724	7744	44.67
				90	5959	6042	6353	6353	44.67
		9000LM	SEF	80	9215	9475	9735	9967	63.99
				90	8031	8204	8435	8869	63.99
			HEF	80	9186	9317	9735	9762	58.58
				90	7511	7615	8008	8008	58.58
		10000LM	SEF	80	10299	10590	10880	11139	73.37
				90	8975	9169	9427	9912	73.37
			HEF	80	10266	10412	10880	10910	66.27
				90	8394	8511	8950	8950	66.27
	L96	6000LM	SEF	80	5942	6110	6278	6427	38.15
				90	5178	5290	5439	5719	38.15
			HEF	80	5923	6008	6278	6294	35.54
				90	4843	4911	5164	5164	35.54
		8000LM	SEF	80	7929	8153	8376	8575	52.32
				90	6910	7059	7258	7631	52.32
			HEF	80	7903	8016	8376	8399	48.5
				90	6462	6552	6890	6890	48.5
		10000LM	SEF	80	9808	10085	10362	10608	66.47
				90	8548	8732	8978	9439	66.47
			HEF	80	9777	9916	10362	10390	60.89
				90	7994	8106	8523	8523	60.89
		14000LM	SEF	80	14323	14727	15131	15491	94.78
				90	12482	12752	13111	13784	94.78
			HEF	80	14277	14480	15131	15172	85.96
				90	11674	11836	12447	12447	85.96
		18000LM	SEF	80	18458	18979	19500	19963	128.98
				90	16086	16433	16896	17764	128.98
			HEF	80	18399	18661	19500	19552	116.92
				90	15044	15254	16040	16040	116.92
		20000LM	SEF	80	20386	20962	21537	22048	146.83
				90	17766	18150	18661	19619	146.83
			HEF	80	20321	20610	21537	21595	131.6
				90	16616	16847	17716	17716	131.6

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CLX LED Linear

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
RDL	L24	1500LM	SEF	80	1359	1397	1436	1470	10.85
				90	1184	1210	1244	1308	10.85
			HEF	80	1355	1374	1436	1439	10.39
				90	1107	1123	1181	1181	10.39
		2000LM	SEF	80	1875	1928	1981	2028	14.48
				90	1634	1670	1717	1805	14.48
			HEF	80	1869	1896	1981	1987	13.46
				90	1528	1550	1630	1630	13.46
		2500LM	SEF	80	2374	2441	2508	2567	18.41
				90	2069	2113	2173	2284	18.41
			HEF	80	2366	2400	2508	2514	17.42
				90	1935	1962	2063	2063	17.42
		3500LM	SEF	80	3192	3282	3372	3452	25.83
				90	2782	2842	2922	3072	25.83
			HEF	80	3182	3227	3372	3381	25.04
				90	2602	2638	2774	2774	25.04
		4500LM	SEF	80	4574	4703	4832	4947	38.7
				90	3986	4072	4187	4402	38.7
			HEF	80	4560	4624	4832	4845	34.8
				90	3728	3780	3975	3975	34.8
		5000LM	SEF	80	4860	4997	5134	5256	41.48
				90	4235	4327	4448	4677	41.48
			HEF	80	4844	4913	5134	5148	38.11
				90	3961	4016	4223	4223	38.11
	L36	2250LM	SEF	80	2188	2250	2311	2366	16.36
				90	1907	1948	2003	2106	16.36
			HEF	80	2181	2212	2311	2318	15.47
				90	1783	1808	1901	1901	15.47
		3000LM	SEF	80	2843	2924	3004	3075	20.8
				90	2478	2531	2603	2736	20.8
			HEF	80	2834	2875	3004	3012	19.98
				90	2317	2350	2471	2471	19.98
		3750LM	SEF	80	3639	3742	3845	3936	26.47
				90	3171	3240	3331	3502	26.47
			HEF	80	3628	3679	3845	3855	25.09
				90	2966	3007	3162	3162	25.09
		5250LM	SEF	80	4895	5033	5171	5294	39.9
				90	4265	4357	4480	4710	39.9
			HEF	80	4879	4948	5171	5185	34.3
				90	3989	4045	4253	4253	34.3
		6750LM	SEF	80	6250	6426	6602	6759	54.85
				90	5446	5564	5721	6014	54.85
			HEF	80	6230	6318	6602	6620	47.97
				90	5094	5165	5431	5431	47.97
		7500LM	SEF	80	6846	7039	7232	7404	62.6
				90	5966	6095	6266	6588	62.6
			HEF	80	6824	6921	7232	7252	54.02
				90	5580	5657	5949	5949	54.02

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CLX LED Linear

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
RDL	L48	3000LM	SEF	80	2740	2817	2895	2963	20.32
				90	2388	2439	2508	2637	20.32
			HEF	80	2731	2770	2895	2902	19.01
				90	2233	2264	2381	2381	19.01
		4000LM	SEF	80	3661	3764	3868	3959	27.58
				90	3190	3259	3351	3523	27.58
			HEF	80	3649	3701	3868	3878	24.75
				90	2984	3025	3181	3181	24.75
		5000LM	SEF	80	4580	4710	4839	4954	34.8
				90	3992	4078	4193	4408	34.8
			HEF	80	4566	4631	4839	4852	31.77
				90	3733	3785	3980	3980	31.77
		7000LM	SEF	80	6635	6822	7009	7176	49.05
				90	5782	5907	6073	6385	49.05
			HEF	80	6614	6708	7009	7028	44.67
				90	5408	5483	5766	5766	44.67
		9000LM	SEF	80	8363	8599	8835	9045	63.99
				90	7288	7446	7655	8049	63.99
			HEF	80	8336	8455	8835	8859	58.58
				90	6816	6911	7268	7268	58.58
		10000LM	SEF	80	9347	9611	9874	10109	73.37
				90	8145	8321	8556	8995	73.37
			HEF	80	9317	9450	9874	9901	66.27
				90	7618	7724	8122	8122	66.27
	L96	6000LM	SEF	80	5393	5545	5697	5832	38.15
				90	4700	4801	4936	5190	38.15
			HEF	80	5375	5452	5697	5712	35.54
				90	4395	4457	4686	4686	35.54
		8000LM	SEF	80	7196	7399	7602	7782	52.32
				90	6271	6406	6587	6925	52.32
			HEF	80	7173	7275	7602	7622	48.5
				90	5865	5946	6253	6253	48.5
		10000LM	SEF	80	8902	9153	9404	9627	66.47
				90	7757	7925	8148	8567	66.47
			HEF	80	8873	8999	9404	9429	60.89
				90	7255	7356	7735	7735	60.89
		14000LM	SEF	80	12999	13366	13732	14058	94.78
				90	11328	11573	11899	12510	94.78
			HEF	80	12957	13142	13732	13769	85.96
				90	10594	10742	11296	11296	85.96
		18000LM	SEF	80	16751	17224	17697	18117	128.98
				90	14598	14913	15334	16121	128.98
			HEF	80	16698	16936	17697	17744	116.92
				90	13653	13843	14557	14557	116.92
		20000LM	SEF	80	18501	19023	19545	20009	146.83
				90	16123	16471	16935	17805	146.83
			HEF	80	18442	18705	19545	19598	131.6
				90	15079	15290	16078	16078	131.6

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CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
FDL	L24	1500LM	SEF	80	1320	1358	1395	1428	10.85
				90	1151	1175	1208	1271	10.85
			HEF	80	1316	1335	1395	1399	10.39
				90	1076	1091	1147	1147	10.39
		2000LM	SEF	80	1822	1874	1925	1971	14.48
				90	1588	1622	1668	1754	14.48
			HEF	80	1816	1842	1925	1930	13.46
				90	1485	1506	1583	1583	13.46
		2500LM	SEF	80	2306	2371	2436	2494	18.41
				90	2010	2053	2111	2219	18.41
			HEF	80	2299	2332	2436	2443	17.42
				90	1880	1906	2004	2004	17.42
		3500LM	SEF	80	3102	3189	3277	3354	25.83
				90	2703	2761	2839	2985	25.83
			HEF	80	3092	3136	3277	3285	25.04
				90	2528	2563	2695	2695	25.04
		4500LM	SEF	80	4444	4570	4695	4807	38.7
				90	3873	3957	4068	4277	38.7
			HEF	80	4430	4493	4695	4708	34.8
				90	3622	3673	3862	3862	34.8
		5000LM	SEF	80	4722	4855	4988	5107	41.48
				90	4115	4204	4322	4544	41.48
			HEF	80	4707	4774	4988	5002	38.11
				90	3848	3902	4103	4103	38.11
	L36	2250LM	SEF	80	2126	2186	2246	2299	16.36
				90	1852	1892	1946	2046	16.36
			HEF	80	2119	2149	2246	2252	15.47
				90	1732	1757	1847	1847	15.47
		3000LM	SEF	80	2762	2840	2918	2988	20.8
				90	2407	2459	2529	2659	20.8
			HEF	80	2754	2793	2918	2926	19.98
				90	2251	2283	2401	2401	19.98
		3750LM	SEF	80	3536	3636	3735	3824	26.47
				90	3081	3148	3237	3403	26.47
			HEF	80	3525	3575	3735	3745	25.09
				90	2882	2922	3073	3073	25.09
		5250LM	SEF	80	4755	4890	5024	5143	39.9
				90	4144	4234	4353	4577	39.9
			HEF	80	4740	4808	5024	5037	34.3
				90	3876	3930	4132	4132	34.3
		6750LM	SEF	80	6072	6243	6415	6567	54.85
				90	5292	5406	5558	5844	54.85
			HEF	80	6053	6139	6415	6432	47.97
				90	4949	5018	5276	5276	47.97
		7500LM	SEF	80	6651	6839	7027	7194	62.6
				90	5796	5922	6088	6401	62.6
			HEF	80	6630	6725	7027	7046	54.02
				90	5421	5497	5780	5780	54.02

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CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
FDL	L48	3000LM	SEF	80	2662	2737	2812	2879	20.32
				90	2320	2370	2437	2562	20.32
			HEF	80	2654	2691	2812	2820	19.01
				90	2170	2200	2313	2313	19.01
		4000LM	SEF	80	3557	3657	3758	3847	27.58
				90	3100	3167	3256.	3423	27.58
			HEF	80	3546	3596	3758	3768	24.75
				90	2899	2939	3091	3091	24.75
		5000LM	SEF	80	4450	4576	4701	4813	34.8
				90	3878	3962	4073	4283	34.8
			HEF	80	4436	4499	4701	4714	31.77
				90	3627	3678	3867	3867	31.77
		7000LM	SEF	80	6446	6628	6810	6972	49.05
				90	5618	5739	5901	6204	49.05
			HEF	80	6426	6517	6810	6829	44.67
				90	5254	5327	5602	5602	44.67
		9000LM	SEF	80	8126	8355	8584	8788	63.99
				90	7081	7234	7438	7820	63.99
			HEF	80	8100	8215	8584	8607	58.58
				90	6623	6715	7061	7061	58.58
		10000LM	SEF	80	9081	9338	9594	9822	73.37
				90	7914	8085	8313	8740	73.37
			HEF	80	9052	9181	9594	9620	66.27
				90	7402	7505	7892	7892	66.27
	L96	6000LM	SEF	80	5240	5387	5535	5667	38.15
				90	4566	4665	4796	5042	38.15
			HEF	80	5223	5297	5535	5550	35.54
				90	4270	4330	4553	4553	35.54
		8000LM	SEF	80	6991	7189	7386	7561	52.32
				90	6093	6224	6400	6728	52.32
			HEF	80	6969	7068	7386	7406	48.5
				90	5698	5778	6075	6075	48.5
		10000LM	SEF	80	8649	8893	9137	9354	66.47
				90	7537	7700	7917	8323	66.47
			HEF	80	8621	8744	9137	9161	60.89
				90	7049	7147	7516	7516	60.89
		14000LM	SEF	80	12630	12986	13342	13659	94.78
				90	11006	11244	11561	12154	94.78
			HEF	80	12589	12768	13342	13378	85.96
				90	10293	10437	10975	10975	85.96
		18000LM	SEF	80	16276	16735	17194	17602	128.98
				90	14184	14490	14898	15663	128.98
			HEF	80	16223	16454	17194	17240	116.92
				90	13265	13450	14143	14143	116.92
		20000LM	SEF	80	17976	18483	18990	19441	146.83
				90	15665	16004	16454	17300	146.83
			HEF	80	17918	18173	18990	19041	131.6
				90	14651	14855	15621	15621	131.6

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CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
WDL	L24	1500LM	SEF	80	1377	1415	1454	1489	10.85
				90	1200	1226	1260	1325	10.85
			HEF	80	1372	1392	1454	1458	10.39
				90	1122	1138	1196	1196	10.39
		2000LM	SEF	80	1900	1953	2007	2055	14.48
				90	1656	1691	1739	1828	14.48
			HEF	80	1894	1921	2007	2012	13.46
				90	1548	1570	1651	1651	13.46
		2500LM	SEF	80	2405	2472	2540	2601	18.41
				90	2095	2141	2201	2314	18.41
			HEF	80	2397	2431	2540	2547	17.42
				90	1960	1987	2090	2090	17.42
		3500LM	SEF	80	3234	3325	3416	3497	25.83
				90	2818	2879	2960	3112	25.83
			HEF	80	3223	3269	3416	3426	25.04
				90	2636	2672	2810	2810	25.04
		4500LM	SEF	80	4634	4765	4895	5012	38.7
				90	4038	4125	4242	4459	38.7
			HEF	80	4619	4685	4895	4908	34.8
				90	3777	3829	4027	4027	34.8
		5000LM	SEF	80	4923	5062	5201	5324	41.48
				90	4290	4383	4506	4738	41.48
			HEF	80	4907	4977	5201	5215	38.11
				90	4012	4068	4278	4278	38.11
	L36	2250LM	SEF	80	2216	2279	2341	2397	16.36
				90	1931	1973	2029	2133	16.36
			HEF	80	2209	2241	2341	2348	15.47
				90	1806	1832	1926	1926	15.47
		3000LM	SEF	80	2880	2962	3043	3115	20.8
				90	2510	2564	2636	2772	20.8
			HEF	80	2871	2912	3043	3051	19.98
				90	2347	2380	2503	2503	19.98
		3750LM	SEF	80	3687	3791	3895	3987	26.47
				90	3213	3282	3375	3548	26.47
			HEF	80	3675	3727	3895	3905	25.09
				90	3005	3047	3204	3204	25.09
		5250LM	SEF	80	4958	5098	5238	5362	39.9
				90	4321	4414	4539	4772	39.9
			HEF	80	4942	5013	5238	5252	34.3
				90	4041	4097	4309	4309	34.3
		6750LM	SEF	80	6331	6510	6688	6847	54.85
				90	5517	5636	5795	6093	54.85
			HEF	80	6311	6401	6688	6706	47.97
				90	5160	5232	5502	5502	47.97
		7500LM	SEF	80	6935	7131	7326	7500	62.6
				90	6044	6174	6348	6674	62.6
			HEF	80	6913	7011	7326	7346	54.02
				90	5652	5731	6027	6027	54.02

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CLX LED Linear

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
WDL	L48	3000LM	SEF	80	2776	2854	2932	3002	20.32
				90	2419	2471	2541	2671	20.32
			HEF	80	2767	2806	2932	2940	19.01
				90	2262	2294	2412	2412	19.01
		4000LM	SEF	80	3709	3813	3918	4011	27.58
				90	3232	3302	3395	3569	27.58
			HEF	80	3697	3749	3918	3929	24.75
				90	3023	3065	3223	3223	24.75
		5000LM	SEF	80	4640	4771	4902	5018	34.8
				90	4044	4131	4247	4465	34.8
			HEF	80	4625	4691	4902	4915	31.77
				90	3782	3834	4032	4032	31.77
		7000LM	SEF	80	6721	6911	7101	7269	49.05
				90	5857	5984	6152	6469	49.05
			HEF	80	6700	6795	7101	7120	44.67
				90	5478	5554	5841	5841	44.67
		9000LM	SEF	80	8472	8711	8950	9163	63.99
				90	7383	7543	7755	8154	63.99
			HEF	80	8445	8565	8950	8974	58.58
				90	6905	7001	7362	7362	58.58
		10000LM	SEF	80	9469	9736	10003	10240	73.37
				90	8252	8430	8667	9112	73.37
			HEF	80	9438	9573	10003	10030	66.27
				90	7717	7825	8228	8228	66.27
	L96	6000LM	SEF	80	5463	5617	5771	5908	38.15
				90	4761	4864	5001	5258	38.15
			HEF	80	5445	5523	5771	5787	35.54
				90	4452	4515	4747	4747	35.54
		8000LM	SEF	80	7289	7495	7701	7884	52.32
				90	6353	6490	6672	7015	52.32
			HEF	80	7266	7370	7701	7722	48.5
				90	5941	6024	6334	6334	48.5
		10000LM	SEF	80	9017	9272	9526	9752	66.47
				90	7858	8028	8254	8678	66.47
			HEF	80	8988	9117	9526	9552	60.89
				90	7349	7452	7836	7836	60.89
		14000LM	SEF	80	13168	13540	13911	14241	94.78
				90	11476	11723	12054	12673	94.78
			HEF	80	13126	13313	13911	13949	85.96
				90	10732	10882	11443	11443	85.96
		18000LM	SEF	80	16970	17448	17927	18353	128.98
				90	14788	15108	15533	16331	128.98
			HEF	80	16915	17156	17927	17975	116.92
				90	13831	14024	14746	14746	116.92
		20000LM	SEF	80	18742	19271	19800	20270	146.83
				90	16333	16686	17156	18037	146.83
			HEF	80	18682	18948	19800	19853	131.6
				90	15276	15489	16287	16287	131.6

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CLX LED Linear

RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.

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

Series		Wiring instructions	
RRL	RELOC®-ready luminaire	A	Hot conductor wired to position #1 (phase A)
		B	Hot conductor wired to position #2 (phase B)
		C	Hot conductor wired to position #3 (phase C) [1]

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

OCS

OCU

OD

DC

PT

Notes

1 C, ABE, and C12S options are not used with Quick-Flex QFC, QSFC, QPT, and QD.

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.

Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

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

Series	Number of hot wires		Branch circuits				Dimming		Ground	
			Circuits to which ballast is connected		Emergency circuit connected					
PLR	(blank)	Not required for 22	(blank)	Not required for 22	(blank)	No emergency circuit	LV	Low-voltage dimming	G	Ground
PLR22	1	Black	A	Black wire	ELA	Emergency circuit wired to black wire				
	2	Black and red	B	Red wire	ELB	Emergency circuit wired to red wire				

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

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Project		**Catalog #**		**Type**	L4
Prepared by		**Notes**		**Date**	

Metalux

Vaportite LED

4' Industrial LED Lamp
Vaportite Industrial Refrigerated Case

Typical Applications

Parking Garage • Cold Storage • Canopy • Warehouse • Food Processing • Manufacturing • Complex Environments

Interactive Menu

- Order Information page 2
- Photometric Data page 2
- Product Warranty

Product Certification

Product Features

LINEAR DISCONNECT
Safe and convenient means of disconnecting power

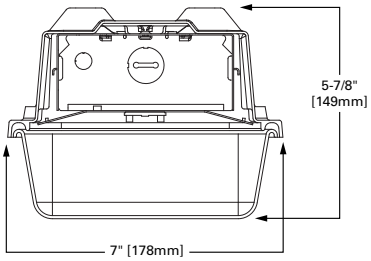
wet location

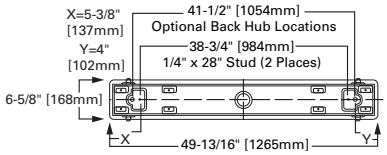
APPROVED ALTERNATE MANUFACTURERS:
1. Acuity Brands Lighting
2. Hubbel Lighting
3. Signify Lighting

Top Product Features

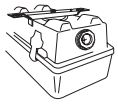
- 2ft, 4ft, and 8ft Sealed and Gasketed Vaportite
- Lumen packages up to 22K lumens
- High-Performance efficacy up to 150 LPW
- LEDs available in 3500K, 4000K and 5000K at 80 CRI
- Rated for -40c to 35c ambient

Dimensional and Mounting Details

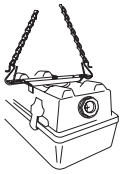




Installation Data



MOUNTING BRACKETS
Furnished
Two per 2' and 4' Unit
Four per 8' Unit



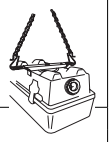
OPTIONAL CHAN HANGING SET
(VT2-CHAIN/SET-U)
Includes 6 ft. of chain, 4 large S-Hooks and 4 small S-Hooks
Order One (1) Kit for each 2' or 4' Fixture

Metalux — 4' Vaportite LED

Order Information

SAMPLE ORDER NUMBER: **4VT2-LD5-4-DR-UNV-L840-CD1-WL-U**

Series	Lamp Type	LED Lumens Output	Lens	Distribution	Voltage	Remote Emergency Enclosure
4VT2=4' Vaportite	**LD5**=LED 5.0	**4**=4000 Lumens **6**=6000 Lumens **8**=8000 Lumens **11**=11000 Lumens	**DR**=Internal Prismatic Lens/15% DR High Impact Additive **DR100**=Internal Prismatic Lens/100% DR High Impact Additive **FR50**=Frosted Lens/15% DR High Impact Additive (1)	**[Blank]**=Medium (Standard) **W**=Wide Distribution	**UNV**=Universal Voltage 120-277	**EL10W**=10-watt, 120-277V emergency battery pack installed (2) **VT-REM-EL**=Remote Emergency Installed, 700 lumens (2)
Notes (3) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.			**Notes** (1) Not available in wide distribution.			**Notes** (2) EL must specify 120 or 277V only.

Lamps	Driver Type	Label	Options	Packaging	Accessories (order separately)
L835=3500K, LED **L840**=4000K, LED **L850**=5000K, LED	**CD1**=1 Dimming Driver **5LTD1**=Fifth Light DALI	**WL**=Wet Location Label	**SSL**=Stainless Steel Latches **GL**=Single Element Fuse **TH**=(2) Top Watertite Hubs **TEH**=(2) Top and (2) End Watertite Hubs (all Watertite Hubs have 1/2" Conduit Entry) **MS**=Damp Listed Motion Sensor **MSWL20**=Wet Listed Motion Sensor, max 20ft mounting height **HBE11**=Wet location PIR Indoor/Outdoor Occupancy Sensor (1)	**U**=Unit Pack	**VT2-Chain/Set-U**=Chain Hanging Set. Includes 6 ft. of chain, 4 large S-Hooks and 4 small S-Hooks Order One (1) Kit for each 2' or 4' Fixture **VT2-SS**-MBK=Stainless Steel Mounting Bracket 
			Notes (1) Available for 120V, 277V, and 347V voltage only.		

Product Specifications

Construction

- Rugged and durable construction
- Fiberglass housing is reinforced polyester and self-extinguishing (ASTM-D635-74) plastic
- Full metal fixture liner
- Watertight housing
- 1/2˚ conduit entry at each end of housing (standard) for continuous feed
- Polyurethane gasketing provides a continuous seamless seal for the diffuser lens
- Four sturdy cam latches clamp diffuser tightly for a positive seal between housing, gasketing and diffuser
- Surface or chain mounting

Electrical

- Long-Life LED system coupled with electrical driver for optimal performance
- LED's available in 3500K, 4000K and 5000K with a CRI ≥ 80
- Projected life is 60,000 hours at 91% lumen output
- Electronic drivers are available for 120-277V applications
- 0-10V dimming control (standard)
- Operating temperature of -40°C to 35°C; Ideal for cold storage environments

Lens

- High-impact diffuser lens
- Internal Prismatic Lens with 15% DR High Impact Additive (DR) or Internal Prismatic Lens with 100% DR High Impact Additive (DR100)
- Frosted Lens with 15% DR High Impact Additive (FR50) option

Finish

- Housing is permanent pearl gray color

Warranty

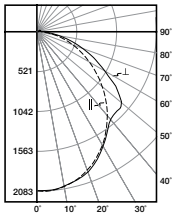
- Five-year limited warranty

Compliance

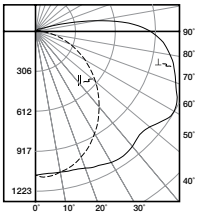
- UL/cUL listed for Wet location
- RoHS compliant
- LED modules comply with IESNA LM-79 and LM-80 standards
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium (refer to www.designlights.org for details)

Photometric Data

View IES files



4VT2-LD5-6-DR-UNV-L840-CD1-WL-U
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.21 x mounting height, (⊥) 1.22 x mounting height
Lumens: 6197
Input Watts: 50.6W
Efficacy: 122.5 lm/W
Test Report: 4VT2-LD5-6-DR-UNV-L840-CD1-WL-U.IES



4VT2-LD5-6-DR-W-UNV-L840-CD1-WL-U
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.22 x mounting height, (⊥) 1.6 x mounting height
Lumens: 5931
Input Watts: 50.6W
Efficacy: 117.2 lm/W
Test Report: 4VT2-LD5-6-DR-W-UNV-L840-CD1-WL-U.IES

Metalux — 4' Vaportite LED

Energy and Performance Data

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 91%	> 237,000

Shipping Data

Catalog No.	Wt.
4VT2-LD5	18 lbs.

Input Watts:
4VT2-LD5-4 (4,000 lumens)=30W
4VT2-LD5-6 (6,000 lumens)=51W
4VT2-LD5-8 (8,000 lumens)=58W
4VT2-LD5-11 (11,000 lumens)=82W

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

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Specifications and dimensions
subject to change without notice.

APPROVED ALTERNATE MANUFACTURERS:
1. Cooper Lighting
2. Acuity Brands Lighting
3. Signify Lighting

GeoPak Series

Outdoor Geometric LED Wallpack

L5E

Catalog Number	
Comments	Type

FEATURES

Application
The GeoPak™ Series is an LED outdoor architectural wallpack with superior lumen output that offers “Normally On” AC operation in addition to emergency lighting for the required 90 minute path of egress. The sconce is for mounting over entrance/exit ways and perimeter walkways and is available in three geometric shapes: Radius, Trapezoid and Quartersphere. The GeoPak wallpacks require 120 or 277 VAC input at 60Hz and includes a long-life Lithium Iron Phosphate battery with an optional battery heater for cold temperature application. The sconce includes 12 LEDs creating 3050 lumens in AC mode and drops to 4 LEDs in emergency mode with 658 lumens. Each of the 4 LEDs in emergency are designed to function separately in the unlikely event of LED malfunction. Spectron® self-testing/self-diagnostic electronics are included standard.

Construction
GeoPak Series housing is made from die-cast aluminum and available in four finishes; Dark Bronze, Platinum Silver, White and Black.
The sconce has a hinged back-plate for ease of installation and maintenance. The LED bezel and trim-plate are made of stainless steel. Includes an integrated Push-to-Test and LED status indicator.

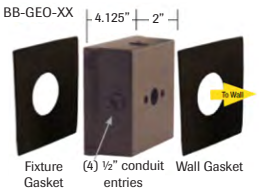
Installation
Universal spider plate for mounting to standard 3½” and 4“ square electrical boxes. All AC connections are made from pig-tail connections at the rear of the unit. Optional back-box accessory available for surface conduit application. See BB-GEO below.

Illumination
The GeoPak Series provides illumination at mounting heights from 8’-12’ AFF. Normally On operation utilizes 12 high powered LEDs at 4000K for a total of 3115 lumens. Emergency operation is reduced to 4 LEDs designed to function separately in the event of a power failure. The fixture is full cut-off and Dark Sky compliant.

Compliances
Wet Location Listed to UL924
NFPA 101, NFPA 70
IDA Compliant at 3000K only
CEC T20 Compliant

ACCESSORIES

BB-GEO-BL	Back box with (4) ½” threaded conduit holes, Black
BB-GEO-DB	Back box with (4) ½” threaded conduit holes, Dark Bronze
BB-GEO-PS	Back box with (4) ½” threaded conduit holes, Silver
BB-GEO-WH	Back box with (4) ½” threaded conduit holes, White



Warranty
5 Year Full Warranty

ORDERING GUIDE

Series	CCT	Voltage	Finish	Options
RDI1 Radius	**3K** 3000K	**U** 120/277 VAC	**DB** Dark Bronze	**E** Emergency with Battery
TRP1 Trapezoid	**4K** 4000K[2]		**PS** Platinum Silver	**EH** Emergency with Battery and Heater (-30°C to 40°C)
QSP1 Quarter-sphere			**WH** White	
			BL Black	

[1] Stocked models have a CCT of 4000K
[2] Does not qualify for IDA
[3] Order AC only models through Hubbell Outdoor

HUBBELL Lighting

DUAL LITE®

GeoPak Series

Outdoor Geometric LED Wallpack

SPECIFICATIONS

Electronics

The GeoPak has two modes of operation:

Normal mode: In normal mode, power is supplied from 120V or 277VAC source and may be switched on/off allowing the unit to behave like a typical luminaire. In this mode, all 12 high-power LEDs are utilized. The AC LED driver module includes connections for dimming the driver.

Emergency mode: Upon failure of normal utility power, the number of LEDs driven is reduced to 4, and power is supplied from the integral battery for a minimum of 90 minutes.

Number of Lamps: 12 High Output LEDs

LED Lamp-life:

PROJECTED LUMEN MAINTENANCE

	OPERATING HOURS					
Ambient Temp.	0	25,000	50,000	TM-21-11[1] 60,000	100,000	L70 (hours)
25°C/77°F	1.00	0.98	0.95	0.94	0.90	>337,000
40°C/104°F	0.99	0.98	0.96	0.95	0.91	>346,000

Lamp Configuration: 12 individually driven LEDs provide illumination. In the event of any LED failure, the remaining LEDs will continue to function.

Total LED Lamp Watts (AC): 25

Lumens Per Watt: 111lpw at 4000CCT, 104lpw at 3000CCT

Lamp Color: Neutral White, 4000K Standard, 3000K Optional

Color Rendering Index (CRI): 70

Normal Mode Lumens: 3050 lumens at 4000CCT, 2850 lumens at 3000CCT

Emergency Mode: 658 lumens at 4000CCT, 591 lumens at 3000CCT

Input: 120/277VAC, 60 Hz.

Functional Circuitry: Transient surge protection device on AC input. Upon failure of the normal utility power, an LED driver is automatically activated to power the emergency LEDs. Upon resumption of normal utility power, the LED driver is turned off, and the battery is recharged through a micro-controller based 3-stage charger. The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate (LiFePO) type. A low voltage battery disconnect (LVD) feature protects the battery from severe damage during prolonged power failures. Manual testing is available at any time using the push-to-test button. The optional heater features a heating wrap and thermostat to maintain optimal battery temperature during charge or discharge. The GeoPak includes the following features:

- Battery re-charge within 24 hours
- AC Lock-out circuit
- Self-diagnostics monitors LED status, emergency LED driver circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-Test feature automatically runs a 1 minute test once a month and an alternating 30 or 60 minute test once every 6 months. Multi-color LED indicator provides visible fault detection and charging status
- User initiated 1 or 90-minute system test feature
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)

INPUT POWER CONSUMPTION

	Input Voltage	Amps.	Max. Watts
GeoPak	120	0.23	27.5
	277	0.11	27.7
GeoPak with heater	120	0.42	50.2
	277	0.20	50.7

Operating Temperature:

Wet Location Listed: 0° to 40°C
Heater Option Models: -30° to 40°C

HUBBELL® Lighting

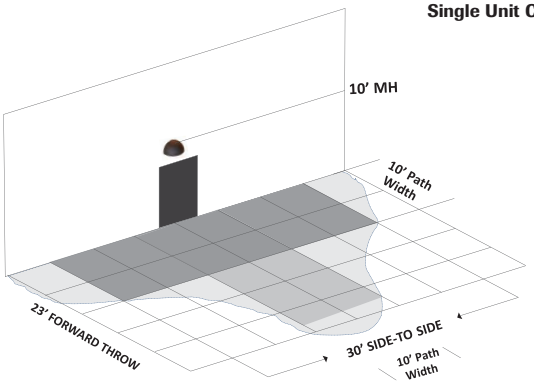
GeoPak Series

Outdoor Geometric LED Wallpack

APPLICATION INFORMATION

Emergency Photometric Performance

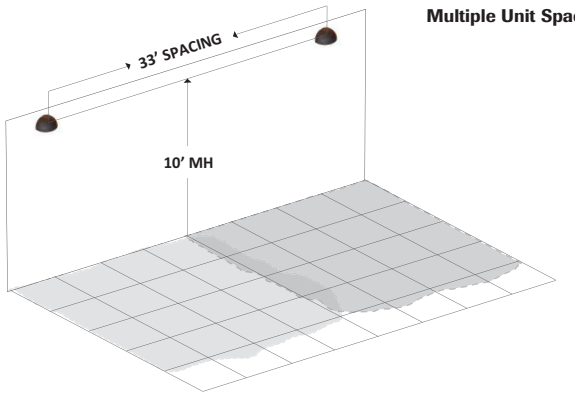
Single Unit Coverage - Emergency



Emergency Mode	
Spacing, 6' Path	
MH	Spacing
8'	26'
10'	33'
12'	28'
Side to Side Single Unit Coverage, 10' Path	
MH	Coverage
8'	24'
10'	30'
12'	34'
Forward Throw Single Unit Coverage, 10' Path	
MH	Spacing
8'	20'
10'	23'
12'	27'

Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, wall mounting height shown in above table and reflectances of 0/30/10.

Multiple Unit Spacing - Emergency

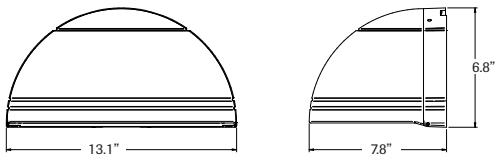


Photometrics available for download at **www.dual-lite.com**

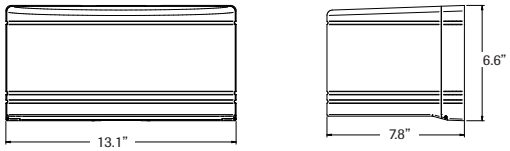
DIMENSIONS

Weight:
TRP1- 11.5 lbs
QSP1- 10.5 lbs
RDI1- 11.5 lbs

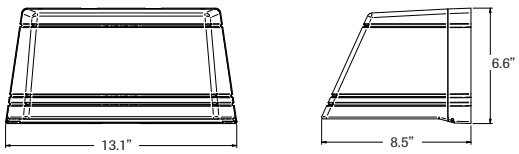
Quartersphere



Radius



Trapezoid



Web: **www.dual-lite.com** • Tech Support: **(866)-313-3909**
701 Millennium Blvd. • Greenville, SC 29607 U.S.A.
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HUBBELL Lighting

603862 03/18

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- Lumen packages suitable for ceiling heights ranging from 8′ to over 50′
- Efficacies up to 124 lm/w
- Superior-quality white LED light output using Chip on Board technology
- No harmful ultraviolet or infrared wavelengths • No lead or mercury

PRODUCT SPECIFICATIONS

Atrius™ - Ready Product: Select models of the L-series product line deliver valuable data and connectivity to the Atrius IoT location based platform services. For more information, please refer to www.acuitybrands.com/Atrius.

OPTICS

Hyperbolic Reflector: Unique hyperbolic shape optimized for small, directional LED source, maximizes fixture efficiency while reducing lamp image and aperture brightness • Geometry of hyperbolic curve provides unique aperture appearance and smoother light distribution
Parabolic Cone/Lens: Computer-optimized parabolic cone with frosted convexed lens regressed into cone provides uniform distribution with no striations
Baffle: White or black painted deep multi-groove aluminum baffle insert with integral white painted flange and frosted convexed glass lens
Wallwash Cone/Lens: Computer-optimized trim with integral wall wash kicker and frosted convexed lens regressed into cone provides uniform distribution with no striations

ELECTRICAL

LED Light Engine: Compact light source delivers uniform illumination without pixilation, enabling excellent beam control • 2SDCM (5000K within 3SDCM) • 80, 90 & 97 CRI • Light engine mounts directly to heat sink and is easily replaceable
Passive Cooling: Cast aluminum heat sink integrated directly with housing provides superior thermal management to ensure the long life of LED
LED Driver: Power factor >0.9
Dimming: Dimmable via 0-10V protocol standard • Optional drivers available for use with eldoLED, Lutron EcoSystem, 2-wire dimmers, DMX, or DALI • For a list of compatible dimmers, see LED-DIM.

APPROVED ALTERNATE MANUFACTURERS:
1. Cooper Lighting
2. Hubbel Lighting
3. Signify Lighting

Design2Ship Quick Ship Program:
Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details.
Maximum Order Quantity: 50 units.

A+ Capable options indicated by this color background

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ATRIUS READY

indy

800 TO 5500 LUMEN 6" LED CYLINDER

HYPERBOLIC / PARABOLIC / WALLWASH / OPEN APERTURE

LC6 SERIES

Type	Cat. No.
L6E	

Project: _____

Notes: _____

Life: Rated for 60,000 hours at 70% lumen maintenance • Available with optional Lumen Depreciation Indicator, LDI option (U.S. Patent No. 9,119,269)
Emergency Battery Pack (Optional) output: Provides a minimum of 600 (BR), or 1000 (HBR) lumens for a minimum duration of 90 minutes • Remote mounted, field installed • BR option is CEC Title 20 compliant
Warranty: 5 years when used in accordance with manufacturing guidelines.
Specifications subject to change without notice.

SURFACE MOUNT

PENDANT MOUNT

WALL MOUNT

CABLE MOUNT

ORDERING INFORMATION

Complete Catalog# Example Includes (Rough-In, option, reflector, accessory) Ordering Example: LC6P 08LM 27K MVOLT B G4 80CRI ZT LDI HW CS PF

ROUGH-IN

Series	Mounting Options	Light Engine	Color Temperature	Voltage	Cylinder Color	Generation	CRI	Driver	Rough-In Options
LC6 6" L-Series Cylinder	S Surface P Pendant W Wall C Cable	08LM 13LM 15LM 17LM 23LM 28LM 33LM 40LM 45LM 50LM 55LM	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	120 277 347[7] MVOLT (120-277)	B Black W White S Silver	G4	80CRI 90CRI 97CRI[1]	DALI DALI Control Dimming DMXR[6] DMX/RDM Driver EDAB[3,7] eldoLED SOLOdrive DALI. Logarithmic dimming to <1% EDXB[2,3,6,10] eldoLED POWERdrive DMX/RDM w/ Phoenix Connectors. Logarithmic dimming to <1% EZ10[3,7] eldoLED 0-10V ECOdrive. Linear dimming to 10% min. EZ1[3,7] eldoLED 0-10V ECOdrive. Linear dimming to 1% min. EZB[3,7] eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1% FD[4,9] Forward or Reverse Phase Dimming Driver FDL[4,8,16] Forward Phase Dimming Lutron Driver ECOD[2,8,16] Lutron Ecosystem 2-Wire Dimming Driver ZT 0-10V Dimming to 10% min GZ1[7] 0-10V Dimming to 1% min	F[2,5] Fuse and Fuse Holder LDI Lumen Depreciation Indicator BR[2,3,12] 600 Lumen Emergency Battery Pack w/Remote Test Switch (CEC Title 20 Compliant) HBR[2,3,6] 1000 Lumen Emergency Battery Pack w/Remote Test Switch NL[11] nLight® Dimming Pack Controls NLER[11] nLight® dimming pack controls. nLER controls fixtures on emergency circuit NLTAIR2[2,11,18] nLight® AIR Dimming Pack Wireless Controls NLTAIRER2[2,11,18] nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit AE2CD[17,18] Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)

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REFLECTOR To order reflector separately, use "L6" prefix before reflector option values. Ex: L6 HW CS PF

Trim Style				Finish						Trim Options	
BAF[13]	Baffle	P	Parabolic	BD	Black Diffuse	CD	Clear Diffuse	PTD	Pewter Diffuse	PF[15]	White Flange
HM	Hyperbolic Medium	NPR[19]	Parabolic Narrow	BL	Black, White Flange (Baffle only)	CS	Clear Specular	PTS	Pewter Specular		
HN	Hyperbolic Narrow	WPR[19]	Parabolic Wide	BS	Black Specular	CSS	Clear Semi-Specular	WH	White, White Flange		
HW	Hyperbolic Wide	WC	Corner Wall Wash	BZD	Bronze Diffuse	GD	Gold Diffuse	WTD	Wheat Diffuse		
HWS	Hyperbolic Single Wall Wash	WD	Double Wall Wash	BZS	Bronze Specular	GS	Gold Specular	WTS	Wheat Specular		
		WS	Single Wall Wash								

MOUNTING HARDWARE Add mounting hardware to the end of the complete catalog #. Mounting hardware option **must** match fixture option.
EX: LC6P 08LM MVOLT B G4 80CRI **BR** ZT HW CS PF PSTEM 18IN BLPEN **PBR**

Pendant Mount	Length	Color	Options
PSTEM Pendant Stem for use with LC6P only	18IN 18″ 24IN 24″ 36IN 36″	WPEN White BLPEN Black SPEN Silver	PBR Battery Pack PHBR High Lumen Battery Pack PDMXR DMX/RDM Driver PAE2CD Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)

Cable Mount	Length	Color
CSTEM Cable Stem for use with LC6C only	18IN 18″ 48IN 48″ 120IN 120″	WCAB White with White Cord BLCAB Black with Black Cord SCAB Silver with Black Cord

Ordering Notes
1 2700K & 3000K only.
2 Not available with 347V.
3 Not compatible with LDI.
4 120V only.
5 Specify voltage.
6 Not compatible with cable mount.
7 Not available for 45LM and up.
8 Not available for 33LM and up.
9 Not available for 55LM.
10 Not available for 40LM and up.
11 Only compatible with EZ1, GZ1, EZB, EZ10 drivers.
12 Can not be dimmed when used with cable mount (CSTEM).
13 Only available with BL or WH trim finish; white flange standard.
14 Not compatible with BR or HBR.
15 PF not available with BL or WH finishes. When specifying BL or WH finishes, flange is always painted white.
16 Not compatible with BR, HBR, or LDI.
17 See AE2CD notes in following table for compatibility with other options.
18 NLTAIR2, NLTAIRER2, AE2CD not recommended for metal ceiling installations.
19 NPR, WPR available with CS, CSS, CD, WH finishes only.

AE2CD Notes
Not available with LC6C/CSTEM (Cable mount).
Not available with 45LM, 50LM, or 55LM.
Only compatible with EZ1 driver.
BR, HBR, NL, NLER, NLTAIR2, NLTAIRER2 not compatible with AE2CD.
Recommended ceiling height of 30' and under; not intended for use on ceilings greater than 40' or metal ceiling installations.

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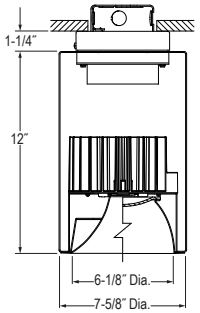
PRODUCT SPECIFICATIONS (cont.)

MECHANICAL

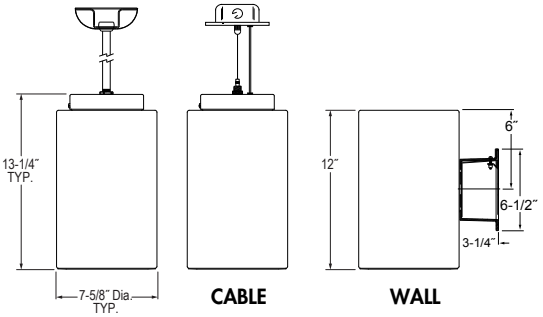
Housing: One piece heavy gauge aluminum with white, black or silver baked textured powder coat finish.
Mounting: Available for surface, pendant, cable or wall mounting • Pendant mounting features hang straight pendant mounting kits that allows for mounting on to sloped ceilings with an angle up to 35˚

DIMENSIONS

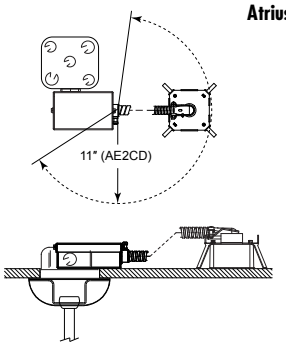


SURFACE MOUNT

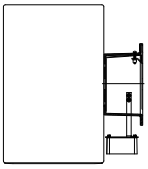
MOUNTING DETAIL:



PENDANT CABLE WALL



Atrius Enabled



ENERGY STAR® certified

	PRODUCT#	FIXTURE CONFIGURATIONS = ENERGY STAR	
ENERGY STAR	MVOLT (120V-277V), 80 CRI LC6(M) (WW)LM (XX)K MVOLT G4 (YY)CRI (ZZ) (CC)[1]	Mounting Option: Lumen Package: CCT: Voltage: CRI: Trim Type: Trim Color/Finish:	M = S, P, W, C WW = 08[2], 13[2], 15, 17, 23, 28, 33, 40, 45, 50, 55 XX = 27, 30, 35, 40, 50 MVOLT (120V-277V) YY = 80, 90, 97 ZZ = HN, HM, HW, P CC = CS, CSS, CD

1 EDAB, EDXB, ECOD and FDL options are not ENERGY STAR® certified.

2 Indicated lumen packages are not ENERGY STAR® certified with -DMXR or -DALI options when used with 277 volts.

LABELS AND LISTINGS

• UL & cUL listed for damp locations • RoHS compliant • EMI complies with FCC 47, Part 15, Class A • ENERGY STAR® certified, see table above for designated products • I.B.E.W. Union made • ARRA Compliant

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PERFORMANCE

LIGHT ENGINE	08LM	13LM	15LM	17LM	23LM	28LM	33LM	40LM	45LM	50LM	55LM
120V (50/60HZ)											
INPUT CURRENT	0.063	0.098	0.115	0.132	0.180	0.221	0.263	0.334	0.328	0.364	0.410
INPUT WATTAGE	7.53	11.74	13.66	15.82	21.52	26.46	31.62	40.14	39.41	43.54	49.08
THD%	6.42	5.19	4.61	3.86	5.09	5.46	4.43	4.53	6.03	6.03	6.23
POWER FACTOR	0.993	0.993	0.992	0.994	0.994	0.995	0.997	0.998	0.996	0.996	0.996
277V (50/60HZ)											
INPUT CURRENT	0.031	0.048	0.056	0.063	0.085	0.100	0.123	0.150	0.153	0.167	0.187
INPUT WATTAGE	7.87	11.84	13.81	15.89	21.65	26.19	31.83	39.68	39.74	43.80	49.02
THD%	12.00	11.62	11.31	11.34	9.93	9.04	10.48	8.79	9.15	8.07	9.85
POWER FACTOR	0.904	0.885	0.887	0.907	0.918	0.943	0.932	0.953	0.934	0.943	0.944
347V (50/60HZ)											
INPUT CURRENT	0.025	0.038	0.043	0.050	0.067	0.083	0.099	0.128	*	*	*
INPUT WATTAGE	8.59	12.99	14.91	17.15	23.20	28.54	34.05	44.12	*	*	*
THD%	13.05	11.53	10.41	9.69	7.79	7.26	6.54	5.77	*	*	*
POWER FACTOR	0.987	0.992	0.990	0.991	0.992	0.995	0.993	0.996	*	*	*
HYPERBOLIC REFLECTOR: L6 HW CS (35K 80CRI)											
DELIVERED LUMENS (L6 HW CS)	842	1,404	1,622	1,847	2,486	2,998	3,489	4,242	4,511	4,936	5,466
EFFICACY (LPW)	112	120	119	117	116	113	110	106	114	113	111
PARABOLIC REFLECTOR: L6 P CS (35K 80CRI)											
DELIVERED LUMENS (L6 P CS)	666	1,111	1,284	1,462	1,968	2,373	2,762	3,358	3,657	4,002	4,431
EFFICACY (LPW)	89	95	94	92	91	90	87	84	93	92	90

OPTICAL DISTRIBUTIONS

HYPERBOLIC BEAM SPREAD		
Trim	**08LM - 40LM**	**45LM - 55LM**
L6 HN CS	16°	25°
L6 HN CSS	19°	30°
L6 HN CD	44°	55°
L6 HM CS	53°	60°
L6 HM CSS	53°	60°
L6 HM CD	65°	65°
L6 HW CS	71°	73°
L6 HW CSS	71°	73°
L6 HW CD	71°	73°

PARABOLIC BEAM SPREAD		
Trim	**08LM - 40LM**	**45LM-55LM**
L6 NPR CS	46°	46°
L6 NPR CSS	52°	55°
L6 NPR CD	64°	68°
L6 P CS	65°	66°
L6 P CSS	62°	63°
L6 P CD	72°	72°
L6 WPR CS	78°	78°
L6 WPR CSS	78°	78°
L6 WPR CD	78°	78°

LUMEN MULTIPLIERS

CCT	MULTIPLIER
2700K	0.90
3000K	0.96
3500K	1.00
4000K	1.01
5000K	1.04

CRI	MULTIPLIER
80CRI	1.00
90CRI	0.83
97CRI	0.77

HYPERBOLIC TRIM	MULTIPLIER
L6 HN CS	0.94
L6 HN CSS	0.89
L6 HN CD	0.81
L6 HM CS	0.98
L6 HM CSS	0.95
L6 HM CD	0.84
L6 HW CS	1.00
L6 HW CSS	0.97
L6 HW CD	0.89

PARABOLIC TRIM	MULTIPLIER
L6 NPR CS	0.92
L6 NPR CSS	0.88
L6 NPR CD	0.86
L6 P CS	1.00
L6 P CSS	0.96
L6 P CD	0.88
L6 WPR CS	0.98
L6 WPR CSS	0.96
L6 WPR CD	0.91

Applying Lumen Multipliers to Calculate Delivered Lumens								
Base Fixture Delivered Lumens (from Performance Table)	**x**	**CCT Multiplier**	**x**	**CRI Multiplier**	**x**	**Trim Multiplier**	**=**	**Delivered Lumens for Desired Fixture and Reflector**
Hyperbolic Reflector Example: LC6S 23LM 30K MVOLT 90CRI G4 ZT HM CD								
2486 Lumens	x	0.96	x	0.83	x	0.84	=	1664 Lumens
Parabolic Reflector Example: LC6S 23LM 30K MVOLT 90CRI G4 ZT NPR CSS								
1968 Lumens	x	0.96	x	0.83	x	0.88	=	1380 Lumens

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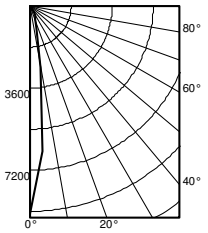
HYPERBOLIC PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

LC6S 13LM 35K + L6 HN CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1223.7, LM/W = 104.2, Spacing Criteria: 0.6, test no. PR07172052, tested in accordance to IESNA LM-79.



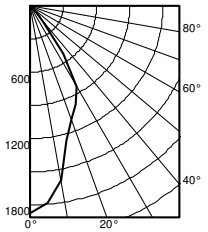
	Ave	Lumens
0	9119	
5	6393	469
15	979	338
25	510	241
35	315	170
45	0	4
55	0	0
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1049.0	85.7
0° - 40°	1219.3	99.6
0° - 60°	1223.7	100.0
0° - 90°	1223.7	100.0
90° - 180°	0.0	0.0
0° - 180°	1223.7	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	113	111	109	110	109	107	106	105	104
2	107	104	101	105	102	100	102	100	98
3	102	98	95	101	97	94	98	95	93
4	98	93	90	96	93	90	94	91	89
5	94	89	86	93	89	86	91	88	85
6	90	85	82	89	85	82	88	84	81
7	87	82	79	86	82	79	85	81	78
8	84	79	76	83	79	76	82	78	76
9	81	77	74	81	76	74	80	76	73
10	78	74	71	78	74	71	77	74	71

Mounting Height	Inital FC Center Beam	50% beam - 14.7° Diameter	50% beam - 14.7° FC	10% beam - 29.8° Diameter	10% beam - 29.8° FC
8.0	301.5	1.4	150.7	2.9	30.1
10.0	162.1	1.9	81.1	4.0	16.2
12.0	101.0	2.4	50.5	5.1	10.1
14.0	69.0	3.0	34.5	6.1	6.9
16.0	50.0	3.5	25.0	7.2	5.0

LC6S 13LM 35K + L6 HM CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1355.1, LM/W = 115.4, Spacing Criteria: 0.6, test no. PR07172088, tested in accordance to IESNA LM-79.



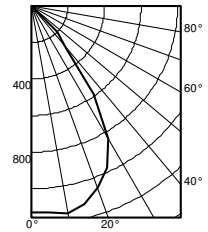
	Ave	Lumens
0	1877	
5	1789	163
15	1265	361
25	983	447
35	529	319
45	79	66
55	0	0
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	970.5	71.6
0° - 40°	1289.5	95.2
0° - 60°	1355.1	100.0
0° - 90°	1355.1	100.0
90° - 180°	0.0	0.0
0° - 180°	1355.1	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	109	106	109	107	105	105	103	101
2	104	100	96	102	98	95	99	96	93
3	97	92	88	95	91	87	93	89	86
4	91	85	81	89	84	81	87	83	80
5	85	79	75	84	79	75	82	78	74
6	80	74	70	79	73	69	77	73	69
7	75	69	65	74	69	65	73	68	65
8	71	65	61	70	65	61	69	64	61
9	67	61	57	66	61	57	65	60	57
10	63	58	54	63	57	54	62	57	54

Mounting Height	Inital FC Center Beam	50% beam - 38.5° Diameter	50% beam - 38.5° FC	10% beam - 74.6° Diameter	10% beam - 74.6° FC
8.0	62.0	3.8	31.0	8.4	6.2
10.0	33.4	5.2	16.7	11.4	3.3
12.0	20.8	6.6	10.4	14.5	2.1
14.0	14.2	8.0	7.1	17.5	1.4
16.0	10.3	9.4	5.1	20.6	1.0

LC6S 13LM 35K + L6 HW CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1354.4, LM/W = 115.4, Spacing Criteria: 1.1, test no. PR07172089, tested in accordance to IESNA LM-79.



	Ave	Lumens
0	1128	
5	1134	109
15	1122	314
25	976	442
35	589	355
45	201	133
55	0	2
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	865.1	63.9
0° - 40°	1219.8	90.1
0° - 60°	1354.4	100.0
0° - 90°	1354.4	100.0
90° - 180°	0.0	0.0
0° - 180°	1354.4	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	110	108	106	108	106	104	104	102	101
2	102	98	95	101	97	94	97	94	92
3	95	90	86	94	89	85	91	87	84
4	88	83	78	87	82	78	85	80	77
5	82	76	72	81	75	71	79	74	71
6	77	70	66	76	70	66	74	69	65
7	72	65	61	71	65	61	70	64	60
8	67	61	56	66	60	56	65	60	56
9	63	57	52	62	56	52	61	56	52
10	59	53	49	59	53	49	58	52	49

Mounting Height	Inital FC Center Beam	50% beam - 58.8° Diameter	50% beam - 58.8° FC	10% beam - 82.9° Diameter	10% beam - 82.9° FC
8.0	37.3	6.2	18.6	9.7	3.7
10.0	20.1	8.5	10.0	13.2	2.0
12.0	12.5	10.7	6.2	16.8	1.2
14.0	8.5	13.0	4.3	20.3	0.9
16.0	6.2	15.2	3.1	23.8	0.6

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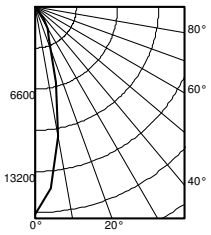
HYPERBOLIC PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

LC6S 55LM 35K + L6 HN CS, 3500K LEDs, input watts: 51.08, delivered lumens: 5026.1, LM/W = 98.4, Spacing Criteria: 0.4, test no. PR07172071, tested in accordance to IESNA LM-79.



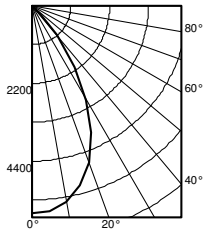
	Ave	Lumens
0	16663	
5	14644	1236
15	6316	1788
25	2649	1251
35	1134	696
45	3	56
55	0	0
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	4274.1	85.0
0° - 40°	4970.5	98.9
0° - 60°	5026.1	100.0
0° - 90°	5026.1	100.0
90° - 180°	0.0	0.0
0° - 180°	5026.1	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	112	110	108	110	108	106	106	104	103
2	106	102	100	104	101	99	101	99	96
3	100	96	93	99	95	92	96	93	91
4	95	91	87	94	90	87	92	89	86
5	91	86	82	90	85	82	88	84	81
6	87	82	78	86	81	78	85	81	78
7	83	78	75	82	78	74	81	77	74
8	79	75	71	79	74	71	78	74	71
9	76	71	68	76	71	68	75	71	68
10	73	69	65	73	68	65	72	68	65

Mounting Height	Inital FC Center Beam	50% beam - 23.9° Diameter	50% beam - 23.9° FC	10% beam - 54.5° Diameter	10% beam - 54.5° FC
8.0	550.8	2.3	275.4	5.7	55.1
10.0	296.2	3.2	148.1	7.7	29.6
12.0	184.6	4.0	92.3	9.8	18.5
14.0	126.0	4.9	63.0	11.8	12.6
16.0	91.4	5.7	45.7	13.9	9.1

LC6S 55LM 35K + L6 HM CS, 3500K LEDs, input watts: 51.08, delivered lumens: 5406.5, LM/W = 105.8, Spacing Criteria: 0.9, test no. PR07172072, tested in accordance to IESNA LM-79.



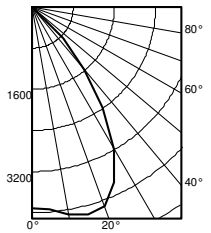
	Ave	Lumens
0	5888	
5	5841	549
15	5267	1465
25	3945	1790
35	2101	1284
45	314	318
55	0	1
65	0	0
75	0	0
85	0	0
90	1	

Zone	Lumens	% Lamp
0° - 30°	3803.4	70.3
0° - 40°	5087.2	94.1
0° - 60°	5406.0	100.0
0° - 90°	5406.5	100.0
90° - 180°	0.0	0.0
0° - 180°	5406.5	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	105	105	103	101
2	103	99	96	102	98	95	98	95	93
3	96	91	87	95	90	87	92	88	85
4	90	84	80	89	84	80	87	82	79
5	84	78	74	83	78	74	81	77	73
6	79	73	69	78	73	69	77	72	68
7	74	68	64	74	68	64	72	67	63
8	70	64	60	69	64	60	68	63	59
9	66	60	56	65	60	56	64	59	56
10	62	56	53	62	56	52	61	56	52

Mounting Height	Inital FC Center Beam	50% beam - 49.9° Diameter	50% beam - 49.9° FC	10% beam - 78.2° Diameter	10% beam - 78.2° FC
8.0	194.6	5.1	97.3	8.9	19.5
10.0	104.7	7.0	52.3	12.2	10.5
12.0	65.2	8.8	32.6	15.5	6.5
14.0	44.5	10.7	22.3	18.7	4.5
16.0	32.3	12.6	16.2	22.0	3.2

LC6S 55LM 35K + L6 HW CS, 3500K LEDs, input watts: 51.08, delivered lumens: 5376.3, LM/W = 105.3, Spacing Criteria: 1.2, test no. PR07172073, tested in accordance to IESNA LM-79.



	Ave	Lumens
0	3912	
5	3956	383
15	4183	1175
25	3754	1699
35	2399	1479
45	848	627
55	0	13
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	3257.5	60.6
0° - 40°	4736.8	88.1
0° - 60°	5376.3	100.0
0° - 90°	5376.3	100.0
90° - 180°	0.0	0.0
0° - 180°	5376.3	*100.0
*Efficiency		

pf / pc / pw	80% 50%	80% 30%	80% 10%	70% 50%	70% 30%	70% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	110	108	105	108	106	104	104	102	100
2	102	98	94	100	96	93	97	94	91
3	94	89	85	93	88	84	90	86	83
4	87	82	77	86	81	77	84	79	76
5	81	75	70	80	74	70	78	73	69
6	76	69	64	75	69	64	73	68	64
7	70	64	59	70	64	59	68	63	59
8	66	59	55	65	59	55	64	58	54
9	61	55	51	61	55	51	60	54	51
10	58	51	47	57	51	47	56	51	47

Mounting Height	Inital FC Center Beam	50% beam - 61.4° Diameter	50% beam - 61.4° FC	10% beam - 87.4° Diameter	10% beam - 87.4° FC
8.0	129.3	6.5	64.7	10.5	12.9
10.0	69.5	8.9	34.8	14.3	7.0
12.0	43.3	11.3	21.7	18.2	4.3
14.0	29.6	13.7	14.8	22.0	3.0
16.0	21.5	16.0	10.7	25.8	2.1

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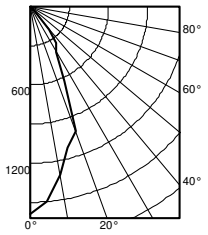
J7.2.1G4

PARABOLIC PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

LC6S 13LM 35K + L6 NPR CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1025.3, LM/W = 87.3, Spacing Criteria: 0.8, test no. PR11171391P8, tested in accordance to IESNA LM-79.



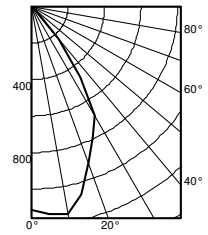
	Ave	Lumens
0	1593	
5	1499	136
15	1118	318
25	630	300
35	340	203
45	48	62
55	7	6
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	753.5	73.5
0° - 40°	956.7	93.3
0° - 60°	1024.7	99.9
0° - 90°	1025.3	100.0
90° - 180°	0.0	0.0
0° - 180°	1025.3	*100.0
	*Efficiency	

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	109	107	109	107	105	105	103	102
2	104	100	97	102	99	96	99	96	93
3	97	92	89	96	91	88	93	89	86
4	91	86	82	90	85	81	88	84	80
5	86	80	76	85	79	76	83	78	75
6	81	75	71	80	74	71	78	74	70
7	76	70	66	75	70	66	74	69	66
8	72	66	62	71	66	62	70	65	62
9	68	63	59	68	62	59	67	62	58
10	65	59	55	64	59	55	64	59	55

		50% beam - 41.1°		10% beam - 73.0°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	52.6	4.1	26.3	8.1	5.3
10.0	28.3	5.6	14.2	11.1	2.8
12.0	17.6	7.1	8.8	14.1	1.8
14.0	12.0	8.6	6.0	17.0	1.2
16.0	8.7	10.1	4.4	20.0	0.9

LC6S 13LM 35K + L6 P CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1118.7, LM/W = 95.3, Spacing Criteria: 1.0, test no. PR07172051, tested in accordance to IESNA LM-79.



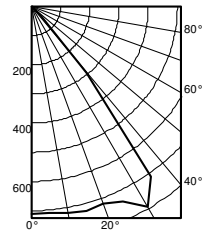
	Ave	Lumens
0	1116	
5	1141	109
15	1065	293
25	789	364
35	470	286
45	50	63
55	1	3
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	767.1	68.6
0° - 40°	1052.9	94.1
0° - 60°	1118.7	100.0
0° - 90°	1118.7	100.0
90° - 180°	0.0	0.0
0° - 180°	1118.7	*100.0
	*Efficiency	

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	95	98	95	93
3	96	91	87	95	90	86	92	88	85
4	90	84	80	89	83	79	86	82	78
5	84	78	74	83	77	73	81	76	73
6	79	73	68	78	72	68	76	71	67
7	74	68	63	73	67	63	72	67	63
8	69	63	59	69	63	59	68	62	59
9	65	59	55	65	59	55	64	59	55
10	62	56	52	61	56	52	60	55	52

		50% beam - 52.1°		10% beam - 79.4°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	36.9	5.4	18.4	9.1	3.7
10.0	19.8	7.3	9.9	12.5	2.0
12.0	12.4	9.3	6.2	15.8	1.2
14.0	8.4	11.2	4.2	19.1	0.8
16.0	6.1	13.2	3.1	22.4	0.6

LC6S 13LM 35K + L6 WPR CS, 3500K LEDs, input watts: 11.74, delivered lumens: 1086.2, LM/W = 92.5, Spacing Criteria: 1.4, test no. PR11171491P8, tested in accordance to IESNA LM-79.



	Ave	Lumens
0	713	
5	712	68
15	726	205
25	738	347
35	711	387
45	47	73
55	3	4
65	2	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	620.4	57.1
0° - 40°	1007.7	92.8
0° - 60°	1084.8	99.9
0° - 90°	1086.2	100.0
90° - 180°	0.0	0.0
0° - 180°	1086.2	*100.0
	*Efficiency	

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	110	108	105	108	106	104	104	102	100
2	102	98	94	100	96	93	97	94	91
3	94	89	85	93	88	84	90	86	82
4	87	81	77	86	80	76	84	79	75
5	81	74	70	80	74	69	78	73	69
6	75	68	64	74	68	64	73	67	63
7	70	63	59	69	63	58	68	62	58
8	65	58	54	64	58	54	63	57	53
9	61	54	50	60	54	50	59	53	49
10	57	50	46	56	50	46	55	50	46

		50% beam - 71.2°		10% beam - 84.8°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	23.6	7.9	11.8	10.0	2.4
10.0	12.7	10.7	6.3	13.7	1.3
12.0	7.9	13.6	4.0	17.3	0.8
14.0	5.4	16.5	2.7	21.0	0.5
16.0	3.9	19.3	2.0	24.6	0.4

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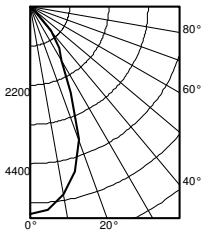
PARABOLIC PHOTOMETRICS

Distribution Curve | **Distribution Data** | **Output Data** | **Coefficient of Utilization** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

LC6S 55LM 35K + L6 NPR CS, 3500K LEDs, input watts: 51.08, delivered lumens: 4231.5, LM/W = 82.8, Spacing Criteria: 0.8, test no. PR11170891P13, tested in accordance to IESNA LM-79.



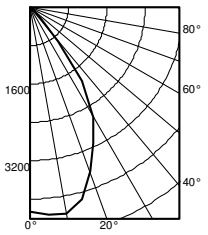
	Ave	Lumens
0	5819	
5	5704	530
15	4777	1313
25	2670	1242
35	1416	845
45	265	274
55	27	25
65	2	2
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	3084.8	72.9
0° - 40°	3929.7	92.9
0° - 60°	4228.9	99.9
0° - 90°	4231.5	100.0
90° - 180°	0.0	0.0
0° - 180°	4231.5	*100.0
	*Efficiency	

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	109	106	109	107	105	105	103	102
2	104	100	96	102	98	95	99	96	93
3	97	92	88	96	91	88	93	89	86
4	91	85	81	90	85	81	88	83	80
5	85	80	76	84	79	75	83	78	74
6	80	75	70	79	74	70	78	73	70
7	76	70	66	75	70	66	74	69	65
8	72	66	62	71	65	62	70	65	61
9	68	62	58	67	62	58	66	61	58
10	64	59	55	64	58	55	63	58	55

		50% beam - 42.8°		10% beam - 74.8°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	192.4	4.3	96.2	8.4	19.2
10.0	103.5	5.9	51.7	11.5	10.3
12.0	64.5	7.4	32.2	14.5	6.4
14.0	44.0	9.0	22.0	17.6	4.4
16.0	31.9	10.6	16.0	20.6	3.2

LC6S 55LM 35K + L6 P CS, 3500K LEDs, input watts: 51.08, delivered lumens: 4407.0, LM/W = 86.3, Spacing Criteria: 1.0, test no. PR07172074, tested in accordance to IESNA LM-79.



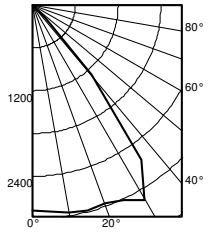
	Ave	Lumens
0	4273	
5	4354	416
15	4148	1143
25	3123	1433
35	1874	1122
45	268	279
55	10	14
65	0	0
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	2992.0	67.9
0° - 40°	4114.0	93.4
0° - 60°	4406.8	100.0
0° - 90°	4407.0	100.0
90° - 180°	0.0	0.0
0° - 180°	4407.0	*100.0
	*Efficiency	

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	111	108	106	109	106	104	105	103	101
2	103	99	96	101	98	94	98	95	92
3	96	91	87	94	90	86	92	88	85
4	89	84	80	88	83	79	86	82	78
5	84	78	73	83	77	73	81	76	72
6	78	72	68	77	72	68	76	71	67
7	73	67	63	73	67	63	71	66	62
8	69	63	59	68	63	59	67	62	58
9	65	59	55	64	59	55	63	58	55
10	61	55	51	61	55	51	60	55	51

		50% beam - 53.0°		10% beam - 79.7°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	141.3	5.5	70.6	9.2	14.1
10.0	76.0	7.5	38.0	12.5	7.6
12.0	47.3	9.5	23.7	15.9	4.7
14.0	32.3	11.5	16.2	19.2	3.2
16.0	23.4	13.5	11.7	22.5	2.3

LC6S 55LM 35K + L6 WPR CS, 3500K LEDs, input watts: 51.08, delivered lumens: 4393.1, LM/W = 86, Spacing Criteria: 1.4, test no. PR11170991P13, tested in accordance to IESNA LM-79.



	Ave	Lumens
0	2882	
5	2902	279
15	2978	841
25	3011	1407
35	2651	1501
45	276	346
55	11	14
65	4	4
75	1	1
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	2527.2	57.5
0° - 40°	4028.2	91.7
0° - 60°	4388.0	99.9
0° - 90°	4393.1	100.0
90° - 180°	0.0	0.0
0° - 180°	4393.1	*100.0
	*Efficiency	

pf	20%								
pc	80%			70%			50%		
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	110	108	105	108	106	104	104	102	100
2	102	98	94	100	96	93	97	94	91
3	94	89	85	93	88	84	90	86	82
4	87	81	77	86	80	76	84	79	75
5	81	74	70	80	74	69	78	73	69
6	75	68	64	74	68	64	73	67	63
7	70	63	59	69	63	58	68	62	58
8	65	58	54	64	58	54	63	58	53
9	61	54	50	60	54	50	59	53	49
10	57	50	46	56	50	46	55	50	46

		50% beam - 70.2°		10% beam - 85.5°	
Mounting Height	Inital FC Center Beam	Diameter	FC	Diameter	FC
8.0	95.3	7.7	47.6	10.2	9.5
10.0	51.2	10.5	25.6	13.9	5.1
12.0	31.9	13.3	16.0	17.6	3.2
14.0	21.8	16.2	10.9	21.3	2.2
16.0	15.8	19.0	7.9	25.0	1.6

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J7.2.1G4

PERFORMANCE DATA

LUMINAIRES SPACED 2′ FROM WALL

Catalog Number: LC6(X) 55LM 35K MVOLT G4 80CRI ZT; L6 HWS CS **Spread:** Single Wall **Test #:** PR06151891P

Single Unit						Lamp	Multiple Units On 2′ Centers*			Multiple Units On 3′ Centers*			Multiple Units On 4′ Centers*		
Lateral Distance From Fixture 2′ From Wall						BXRA N4000 4000K	Spaced 2′ From Wall			Spaced 2′ From Wall			Spaced 2′ From Wall		
0′	1′	2′	3′	4′	5′	Distance From Ceiling	CL		CL	CL		CL	CL		CL
56	41	19	7	4	4	1′	96	93	96	70	61	70	62	37	62
88	67	34	13	6	5	2′	160	156	160	114	103	114	98	68	98
69	54	30	14	7	6	3′	133	132	133	95	89	95	80	60	80
51	44	28	14	8	6	4′	111	113	111	77	79	77	63	56	63
31	34	25	14	9	6	5′	88	95	88	59	68	59	44	51	44
22	26	20	15	9	7	6′	74	81	74	50	59	50	37	44	37
17	21	18	13	9	7	7′	64	70	64	44	51	44	33	38	33
14	18	15	11	9	7	8′	55	61	55	39	45	39	30	32	30
11	14	12	9	7	6	9′	44	50	44	31	38	31	24	26	24
7	10	9	7	6	4	10′	33	37	33	24	21	24	17	21	17

LUMINAIRES SPACED 3′ FROM WALL

Catalog Number: LC6(X) 55LM 35K MVOLT G4 80CRI ZT; L6 HWS CS **Spread:** Single Wall **Test #:** PR06151891P

Single Unit						Lamp	Multiple Units On 3′ Centers*			Multiple Units On 4′ Centers*			Multiple Units On 6′ Centers*		
Lateral Distance From Fixture 3′ From Wall						BXRA N4000 4000K	Spaced 3′ From Wall			Spaced 3′ From Wall			Spaced 3′ From Wall		
0′	1′	2′	3′	4′	5′	Distance From Ceiling	CL		CL	CL		CL	CL		CL
20	17	12	8	5	4	1′	33	33	33	27	26	27	21	12	21
41	36	25	15	9	6	2′	72	70	72	57	54	57	45	27	45
42	37	27	18	11	7	3′	77	76	77	61	57	61	46	32	46
36	32	24	16	11	8	4′	68	67	68	53	51	53	40	29	40
32	28	21	15	10	8	5′	61	61	61	48	57	48	35	28	35
25	25	20	15	11	8	6′	54	57	54	42	45	42	30	28	30
19	21	18	14	11	9	7′	48	53	48	36	42	36	24	27	24
15	17	16	13	10	8	8′	42	48	42	32	38	32	22	24	22
12	14	13	11	9	7	9′	35	41	35	26	32	26	18	20	18
8	10	10	7	7	6	10′	28	31	28	21	25	21	14	16	14

LUMINAIRES SPACED 4′ FROM WALL

Catalog Number: LC6(X) 55LM 35K MVOLT G4 80CRI ZT; L6 HWS CS **Spread:** Single Wall **Test #:** PR06151891P

Single Unit						Lamp	Multiple Units On 3′ Centers*			Multiple Units On 4′ Centers*			Multiple Units On 6′ Centers*		
Lateral Distance From Fixture 4′ From Wall						BXRA N4000 4000K	Spaced 4′ From Wall			Spaced 4′ From Wall			Spaced 4′ From Wall		
0′	1′	2′	3′	4′	5′	Distance From Ceiling	CL		CL	CL		CL	CL		CL
11	10	8	6	5	4	1′	22	22	22	18	18	18	14	11	14
22	20	16	12	9	7	2′	47	46	47	37	36	37	27	23	27
28	26	21	16	12	9	3′	61	62	61	48	47	48	35	31	35
26	24	20	16	12	10	4′	60	60	60	47	46	47	34	30	34
23	22	18	15	12	9	5′	54	55	54	43	43	43	31	28	31
22	20	17	14	11	9	6′	51	51	51	40	40	40	29	26	29
20	19	16	14	11	9	7′	49	50	49	39	39	39	27	26	27
16	17	15	12	10	9	8′	44	47	44	34	37	34	24	24	24
12	13	13	11	9	8	9′	37	41	37	28	32	28	19	20	19
9	10	10	8	8	7	10′	29	31	29	22	25	22	15	18	15

*Based on minimum of five luminaires. Reflectances: 80, 50, 20. Values are rounded to nearest whole footcandle.

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

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PERFORMANCE DATA

LUMINAIRES SPACED 2′ FROM WALL

Catalog Number: LC6(X) 55LM 35K MVOLT G4 80CRI ZT; L6 WS CS **Spread:** Single Wall **Test #:** PRO4152492P

Single Unit						Lamp	Multiple Units On 2′ Centers*			Multiple Units On 3′ Centers*			Multiple Units On 4′ Centers*		
Lateral Distance From Fixture 2′ From Wall						BXRA N4000 4000K	Spaced 2′ From Wall			Spaced 2′ From Wall			Spaced 2′ From Wall		
0′	1′	2′	3′	4′	5′	Distance From Ceiling	CL		CL	CL		CL	CL		CL
37	27	12	6	4	4	1′	62	59	62	47	39	47	42	23	42
74	53	26	11	6	5	2′	127	123	127	93	81	93	81	52	81
74	55	28	13	7	6	3′	132	131	132	98	86	98	85	57	85
55	49	31	15	8	6	4′	121	124	121	82	88	82	67	63	67
31	34	28	17	10	7	5′	95	100	95	63	72	63	46	57	46
22	25	21	17	11	8	6′	77	82	77	54	59	54	40	46	40
17	19	17	14	11	9	7′	65	70	65	46	51	46	36	38	36
14	16	14	12	10	9	8′	55	59	55	40	44	40	31	31	31
10	12	11	10	8	7	9′	43	47	43	32	36	32	25	25	25
7	9	8	7	7	5	10′	31	34	31	24	27	24	18	20	18

LUMINAIRES SPACED 3′ FROM WALL

Catalog Number: LC6(X) 55LM 35K MVOLT G4 80CRI ZT; L6 WS CS **Spread:** Single Wall **Test #:** PRO4152492P

Single Unit						Lamp	Multiple Units On 3′ Centers*			Multiple Units On 4′ Centers*			Multiple Units On 6′ Centers*		
Lateral Distance From Fixture 3′ From Wall						BXRA N4000 4000K	Spaced 3′ From Wall			Spaced 3′ From Wall			Spaced 3′ From Wall		
0′	1′	2′	3′	4′	5′	Distance From Ceiling	CL		CL	CL		CL	CL		CL
13	11	8	6	4	4	1′	22	22	22	18	17	18	14	8	14
32	27	18	11	7	6	2′	53	51	53	43	39	43	34	19	34
37	32	23	15	9	7	3′	64	63	64	51	47	51	40	25	40
37	32	23	15	10	8	4′	65	64	65	53	49	53	40	27	40
35	31	24	16	11	8	5′	66	66	66	51	51	51	39	29	39
26	26	23	17	12	9	6′	59	62	59	45	50	45	31	31	31
19	21	20	16	13	10	7′	52	56	52	39	44	39	25	30	25
15	17	16	14	11	10	8′	45	50	45	35	39	35	22	26	22
12	13	12	11	10	9	9′	37	42	37	29	32	29	19	21	19
8	10	10	8	8	8	10′	30	22	30	23	25	23	15	16	15

LUMINAIRES SPACED 4′ FROM WALL

Catalog Number: LC6(X) 55LM 35K MVOLT G4 80CRI ZT; L6 WS CS **Spread:** Single Wall **Test #:** PRO4152492P

Single Unit						Lamp	Multiple Units On 3′ Centers*			Multiple Units On 4′ Centers*			Multiple Units On 6′ Centers*		
Lateral Distance From Fixture 4′ From Wall						BXRA N4000 4000K	Spaced 4′ From Wall			Spaced 4′ From Wall			Spaced 4′ From Wall		
0′	1′	2′	3′	4′	5′	Distance From Ceiling	CL		CL	CL		CL	CL		CL
7	7	6	5	4	4	1′	15	15	15	13	13	13	10	8	10
17	15	12	9	7	6	2′	33	33	33	27	26	27	21	17	21
23	21	17	13	10	8	3′	48	48	48	38	37	38	28	24	28
24	22	18	14	11	9	4′	51	51	51	40	40	40	30	26	30
24	22	18	14	11	9	5′	52	52	52	41	41	41	30	27	30
24	22	19	15	11	9	6′	53	54	53	42	42	42	31	28	31
22	21	18	15	12	10	7′	53	54	53	42	42	42	29	28	29
17	18	16	14	12	10	8′	48	51	48	37	40	37	26	27	26
12	13	13	12	10	9	9′	40	43	40	31	34	31	21	22	21
9	10	10	9	8	8	10′	32	33	32	24	27	24	17	19	17

*Based on minimum of five luminaires. Reflectances: 80, 50, 20. Values are rounded to nearest whole footcandle.

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

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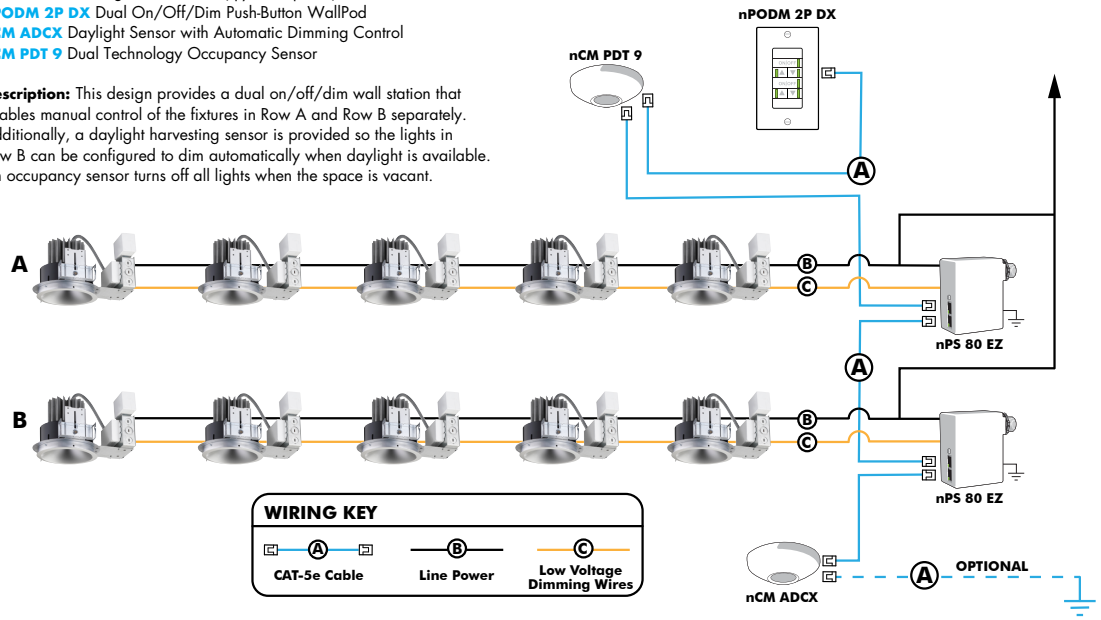
CONTROLS

EXAMPLE
Group Fixture Control*
*Appiication diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty: 2 required)
nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
nCM ADCX Daylight Sensor with Automatic Dimming Control
nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls
nLight offers multiple styles of wall controls - each with varying features and user experience.

Push-Button Wallpod
Traditional tactile buttons and LED user feedback

Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:			
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	**Model number**	**Occupancy sensors**	**Model Number**
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	**Model Number**	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	**Cat-5 cables (plenum rated)**	**Model Number**
		10', CAT5 10FT	CAT5 10FT J1
		15, CAT5 15FT	CAT5 15FT J1

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 Brand's 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

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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]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH[1]

Notes
1 Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Indy L-Series Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

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 AIR rPODB 2P DX

Mobile Device

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WSQ LED
Architectural Wall Sconce

Catalog Number

Notes

Type L7E

Hit the Tab key or mouse over the page to see all interactive elements.

Inverted available with WLU option only.

APPROVED ALTERNATE MANUFACTURERS:
1. Cooper Lighting
2. Hubbel Lighting
3. Signify Lighting

Specifications

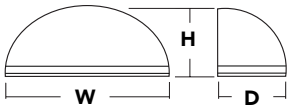
Luminaire

Height: 9-3/8″ *(23.8 cm)*

Width: 18″ *(45.7 cm)*

Depth: 9″ *(22.8 cm)*

Weight: 17 lbs *(7.7 kg)*

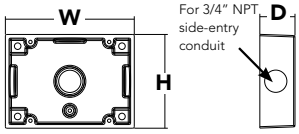


Optional Back Box (BBW)

Height: 4″ *(10.2 cm)*

Width: 5-1/2″ *(14.0 cm)*

Depth: 1-1/2″ *(3.8 cm)*



Introduction

Classic Architectural Wall Sconce with the LED technology. Long-life, maintenance-free product with typical energy savings of 80% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity. The WSQ LED is ideal for replacing existing 50 – 250W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information

EXAMPLE: WSQ LED P2 40K SR3 MVOLT DDBTXD

WSQ LED							
Series	**Performance Package**	**Color Temperature**	**Distribution**	**Voltage**	**Mounting**	**Options**	**Finish *(required)***
WSQ LED	P1 P2 P3 P4	30K 40K 50K	SR2 Type II SR3 Type III SR4 Type IV	MVOLT [1] 120 208 240 277 347 480	**Shipped included** (blank) Surface mount **Shipped separately** [2] BBW Surface-mounted back box	**Shipped installed** PE Photoelectric cell, button type [2,3] SF Single fuse (120, 277, 347V) [4] DF Double fuse (208, 240, 480V) [4] DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C) [5] E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C) [5] WLU Wet location door for up orientation [6] PIR Motion/ambient light sensor [7] DS Dual switching [8] SPD Separate Surge Protection [9] **Shipped separately** VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Emergency Battery Operation

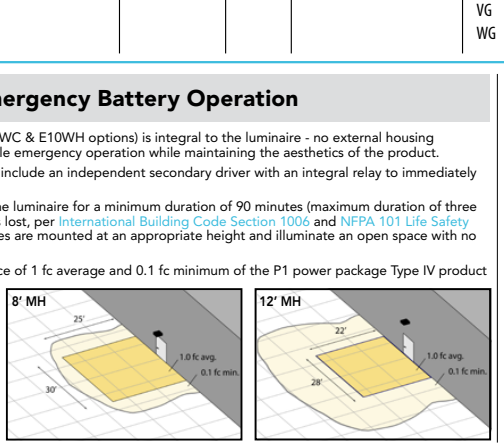
The emergency battery backup (E20WC & E10WH options) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All E20WC & E10WH configurations include an independent secondary driver with an integral relay to immediately detect AC power loss.

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package Type IV product in emergency mode.

WSR P1 LED 40K SR4 MVOLT E20WC
10′ x 10′ Gridlines
8′ and 12′ Mounting Height



NOTES
1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2 Not available with 480V option.
3 PE option is voltage specific.
4 Single fuse (SF) requires 120V, 277V or 347V options. Double fuse (DF) requires 208V, 240V or 480V options,
5 Not available with 347V or 480V. Not available with WLU.
6 WLU not available with PIR, E20WC or E10WH.
7 See PIR Table for default settings.
8 Only available with P3 & P4 packages. Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with E20WC, E10WH, WLU, SF, or DF. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.
9 See electrical section on page 2 for more details.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance Package	System Watts (MVOLT[1])	Dist. Type	30K (3000K, 70CRI)		40K (4000K, 70CRI)		50K (5000K, 70CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	20W	SR2	2,111	108	2,251	115	2,305	118
		SR3	2,104	108	2,244	115	2,298	117
		SR4	2,053	105	2,189	112	2,242	115
P2	29W	SR2	2,943	101	3,139	108	3,214	110
		SR3	2,934	101	3,129	107	3,204	110
		SR4	2,863	98	3,053	105	3,126	107
P3	40W	SR2	4,500	114	4,799	122	4,913	125
		SR3	4,486	114	4,784	122	4,898	125
		SR4	4,377	111	4,667	119	4,779	122
P4	61W	SR2	6,159	102	6,567	108	6,724	111
		SR3	6,139	101	6,547	108	6,703	110
		SR4	5,991	99	6,388	105	6,541	108

Motion/Ambient Sensor Default Settings						
	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
*PIR USES SFOD 7						

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Normalized Lumen Multiplier
0°C	32°F	1.05
10°C	50°F	1.03
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MRW LED P4** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	100000	L90
Lumen Maintenance Factor	1	0.96	0.95	0.92	>60000

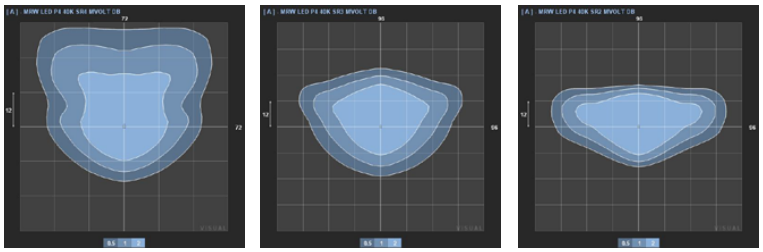
Electrical Load

Power Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	20W	0.17	0.10	0.09	0.08	0.06	0.05
P2	29W	0.26	0.15	0.13	0.12	0.09	0.07
P3	40W	0.37	0.21	0.18	0.16	0.13	0.09
P4	61W	0.59	0.33	0.18	0.25	0.19	0.14

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WSQ LED homepage.

Isofootcandle plots for the WSQ LED P4 40K SR2, SR3, and SR4. Distances are in units of mounting height (12').



FEATURES & SPECIFICATIONS

INTENDED USE
The classic architectural shape of the WSQ LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION
The die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WSQ LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) consist of 8 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. and a minimum 6 KV surge protection.When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option offers wet location listing in "up" orientation. Rated for -30°C minimum ambient. 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 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.

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LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	X

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring attractive, quick-installation exit signs and low energy consumption.

CONSTRUCTION — Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant, and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Rugged unibody housing snaps together with no additional mechanical fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet easily removable for lamp compartment access.

Universal directional Chevron inserts are easily removed and reinserted. Uniform illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke, with 100 ft. viewing distance rating, based upon UL924 standards.

U.S. Patent No. 5,526,251; 5,611,163; 5,739,639; 5,954,423; 5,988,825; 6,152,581; D383,501 ; D495,751 and 6,502,044. Other patents pending.

OPTICS — LEDs mounted on printed circuit boards. Low energy consumption – less than one watt. LED lamp operates in normal (AC input) and emergency (DC input) modes.

The typical life of the exit LED lamp is 10 years.

ELECTRICAL — Dual voltage input capability (120/277V).

Low-voltage disconnect prevents excessively deep discharge that can permanently damage battery. Conveniently located test switch and LED provide visual and manual means of monitoring system.

Constant-current series charger minimizes energy consumption and provides low operating costs. Printed circuit boards are 100% quality tested during manufacturing. Current-limiting charger circuitry protects printed circuit boards from shorts.

AC/LV reset (line latch) allows battery connection before AC power is applied and aids in preventing battery damage from deep discharge.

Crystal oscillator timing system with watchdog protection for precision accuracy.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80% of nominal.

Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90-minutes capacity to emergency lamps. Two-state constant-current charge maximizes battery life and automatically recharges after battery discharge.

Diagnostics: Single-point microcomputer control for all electronic features.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

INSTALLATION — Universal (top-, end-, or back-) mounting. Easily removed mounting knockouts. J-box pattern on back panel. Housing snaps to canopy with four positive-locking tabs. Cam-locking pin tightly secures housing to canopy.

Ships standard with additional face plate.

LISTINGS — UL damp location listed 50°-104°F (10°-40°C) standard. NOM Certified (see options). Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

QUANTUM®

Thermoplastic Exits

LQM

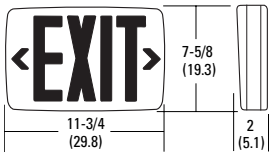
LED LAMPS

APPROVED ALTERNATE MANUFACTURERS
1. MULE - MX SERIES
2. DUAL LITE - EVE SERIES
3. ISOLITE - RL SERIES

CERTIFIED IN TITLE 20

Specifications

Length: 11-3/4 (29.8)
Depth: 2 (5.1)
Height: 7-5/8 (19.3)
Weight: 2.6 lbs (1.2 kgs)



All dimensions are inches (centimeters) unless otherwise specified.

WARRANTY — 5-year limited warranty. (Battery is prorated.) 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.

† Exit Signs Certified in the CA Title 20 Appliance Effeciency Database.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options.**

Example: LQM S W 3 R 120/277 EL N

LQM							
Family	**Face type**	**Housing color**	**Number of faces**	**Letter color**	**Input voltage[2]**	**Operation**	**Options**
LQM	**S** Stencil P Panel[1]	**(blank)** Black **W** White	**3** Single face with extra faceplate and color panel	**R** Red **G** Green	**120/277** Dual voltage	**(blank)** AC only **X2** Primary and secondary AC inputs provided[3] **EL N** Nickel cadmium battery	**(blank)** None NOM NOM certified for Mexico[4] SD Self-diagnostics[5]

Accessories: Order as separate item.

ELA WG1	Back-mount wireguard[6]	ELA WGEXE	End-mount wireguard[6]
ELA WGEXT	Top-mount wireguard[6]	ELA LQMUS12	12" stem kit[7]

Notes

1 Only available in custom signage. See spec sheet, Custom-Signage.
2 Some special voltages available. Consult factory.
3 Must specify input voltage 120 or 277. Not available with other options.
4 Available with stencil face and white housing only.
5 Only available with EL N operation.
6 See spec sheet ELA-WG.
7 See spec sheet ELA-Stemkits.

LQM LED, Quantum®

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Type[1]	Typical LED life[2]	Supply voltage	Input watts	Max. amps
Red LED AC Only	10 years	120	.62	.05
		277	.69	.06
Green LED AC Only	10 years	120	.62	.05
		277	.74	.06
Red LED Emergency	10 years	120	.71	.05
		277	.92	.06
Green LED Emergency	10 years	120	.66	.05
		277	.70	.06

BATTERY

Nickel Cadmium

Voltage	Typical shelf life[3]	Typical life[3]	Maintenance[4]	Temperature range[5]
1.2	3 years	7-9 years	none	50°F - 104°F (10°C - 40°C)

Notes

1 LED lamps operate in normal (AC input) and emergency (DC input) modes.

2 Based on continuous operation. The typical life of the exit LED lamp is 10 years.

3 At 77°F (25°C).

4 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

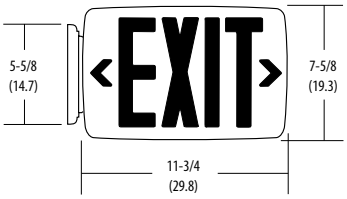
5 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

MOUNTING

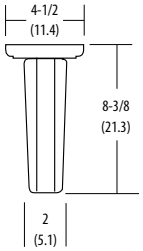
All dimensions are inches (centimeters) unless otherwise specified.

Shipping weight: 2.6 lbs. (1.2 kgs.)

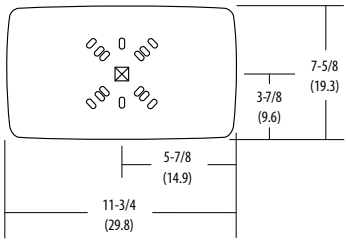
End Mounting



Top Mounting



Back Mounting



EMERGENCY: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) techsupport-emergency@acuitybrands.com www.lithonia.com ©1993-2019 Acuity Brands Lighting, Inc. All rights reserved. Rev. 06/24/19