Columbia LIGHTING

PELA

LINEAR HIGH BAY

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

FEATURES

- Ideal for warehouses and industrial buildings. Small size and light weight makes for an easy installation
- With efficiencies up to 185 LPW, the PELA is an excellent choice when ROI is the key decision criteria
- Options for lumen packages up to 60,000 lumens provides outstanding coverage for the majority of high bay applications
- Integrated sensor options for code compliance, grouping of fixtures, increased energy savings, and connection to NX Lighting Controls systems
- Optimized bulk packaging to minimize job site space requirements and ease waste removal
- Designed for unconditioned spaces through a 50°C ambient temperature rating and a -30°C rating for refrigerated spaces

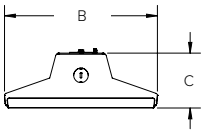
NXWHM, NXEHM

(-BAA Option) (-BABA Option)

SERVICE PROGRAMS

STOCK QS10

CONTROL TECHNOLOGY



Typical Dimensions and Weights				
Sizes	(A) Length Inches	(B) Width Inches	(C) Height Inches	Weight (lbs)
1	19.59	9.21	3.30	6.0
2	13.75	10.88	3.46	10.0
3	27.30	10.88	3.60	20.0

*Size dependent on Lumen Code. See dimensions page.

SPECIFICATIONS

CONSTRUCTION

- Size 1 fixture housing is all steel while Size 2 & 3 are a combination of steel and aluminum. All provide exceptional durability and heat dissipation. All sizes are IK10 rated
- Fixture design provides easy access to electrical components by removal of bottom channel cover
- Robust white powder coating prevents chipping and/or flaking while providing protection in more demanding environments
- Access plate mounted on back of fixture providing easy access to make wiring connections
- Knockouts on both ends of fixture for electrical connection options

OPTICS

- Clear and diffuse optic options plus wide, narrow, and aisle light distributions on Size 2 & 3 bodies for layout flexibility
- Field changeable lens for maintenance and flexibility

INSTALLATION

- Mounting options include Chain/Cable mount, Surface mount, and Pendant mount

ELECTRICAL

- Light engine utilizing metal clad boards with high efficacy (up to 185 LPW), long life LEDs protect the fixtures lumen maintenance
- Driver options include 3kV standard surge protection in 120–277V input or 6kV standard surge protection in 347–480V input
- Power Factor >0.9 and THD <20 converts power efficiently & effectively into light
- Driver options for fixed light output or 0–10V dimming down to 10% is available to customize light levels

CONTROLS

- Integration of sensors (NX and other) accomplished though knockout in bottom middle of fixture which eliminates fixture potentially blocking sensor
- High-end trim, occupancy and ambient light detection with dimming available
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- NX Connect is a standalone grouping wireless deployment for room based applications using wireless enabled and battery operated devices
- DLC 5.1 Integrated/embedded networked lighting controls, luminaire-level lighting controls (LLLC) certified

CERTIFICATIONS

- Emergency battery pack options are California Energy Commission (CEC) Title 20 Compliant
- All luminaires are built to UL1598 standard
- Damp location labeling is standard
- UL/cUL Listed
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC® website for specific product qualifications at www.designlights.org
- Product configurations not including battery packs or controls meet federal procurement law requirements under the Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions
- For -BAA Option: This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9). See Buy America(n) Solutions
- This product offers BABA compliant configurations. Configurations including batteries, sensors, controls, and some drivers may not be compliant. Please consult factory to verify BABA compliance for a given configuration

WARRANTY

- 5 year warranty
- See HLI Solutions Standard Warranty for additional information

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ORDERING GUIDE

Gray Shading = Service Program Limit of 800 luminaires QS10

Example: PELA-840-L24-B-ED-U-ST

PELA – [ ] – [ ] – [ ] – [ ] – [ ] – [ ] – [ ]

Model	
PELA	Linear High Bay

CRI/CCT	
740	4000K 70 CRI
750	5000K 70 CRI
827	2700K 80 CRI
830	4000K 80 CRI
835	3500K 80 CRI
840	4000K 80 CRI
850	5000K 80 CRI

Lumen Output	
L09	9,000 lm
L12	12,000 lm
L15	15,000 lm
L18	18,000 lm
L24	24,000 lm
L30	30,000 lm
L36	36,000 lm
L48	48,000 lm
L60	60,000 lm

Distribution	
A	No Lens (120°)
B	Diffused Lens (120°)
C [5]	Clear Lens (120°)
D [5]	Diffused Lens (55°)
E [5]	Diffused Lens (30°)
F [5]	Diffused Lens (90°)
G [5]	Clear Very Wide (160°)

Driver	
ED	0–10V Dimming
E	Fixed Output
DALIP	Dali Powered power supply

Voltage	
U	120–277V
120	120V
277	277V
347	347V
480	480V

Mounting	
ST	Standard
SM [1]	Surface Mount
PM [1]	Pendant Mount

– [ ]

Options (Leave Blank if None Needed)

PI	Packaged Individually
ELL20 [1, 9, 11]	20W Emergency Battery Pack (CEC Title 20 compliant) Installed
ELL30 [10]	30W Emergency Battery Pack (CEC Title 20 compliant) Installed
DTS	Dimming Bypass Module
BAA	Buy American Act (FAR 52.225-9) Compliant
BABA [12]	Build America Buy America Act Compliant
Cord Options	
F3C006	6', 3 conductor cord
F3C012	12', 3 conductor cord
F4C006	6', 4 conductor cord (for ELL20 option)
F4C012	12', 4 conductor cord (for ELL20 option)
F5C006	6', 5 conductor cord (Line + dimming)
F5C012	12', 5 conductor cord (Line + dimming)
Flexible Metal Conduit Options	
C00388	6', 3 wire flexible metal conduit
C00488	6', 4 wire flexible metal conduit
C00588	6', 5 wire flexible metal conduit
Cord with Plug Options (See NEMA Table Below)	
C6TL15 [2]	6' Cord with 15A TL plug
C6TL20 [3]	6' Cord with 20A TL plug
C6P151 [4]	6' Cord with 15A straight blade plug
Specialty Modular Cord Sets	
LE3	ACS-MC Flex 10ft 2EA 10-LW 277/480 3 Conductor
LE4	ACS-MC Flex 10ft 2EA 10-LW 277/480 4 Conductor
LEx	ACS-MC Flex - Custom Part Number

Controls (Leave Blank if None Needed)

NX Lighting Controls

Networked Wireless

NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor
NXWHM	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming
NXWHM5L	NX Networked Wireless Enabled Integral NXSMP2-HMO. Preset to 50% dim at no occupancy

Networked Wired

NXE	NX Wired Dual RJ45 SmartPORTS , without Sensor
NXEHM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming

Independent Control

NXCHM [7, 8]	NX Connect NXC-WHS20 Wireless High Bay Occupancy & Photocell Sensor
WSPD360	End Mounted WSPDEMUNV PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
WSPDA	End Mounted WSPDEMUNV PIR Occupancy Sensor with Automatic Dimming Photocell and Aisle lens
WSPDBT360	End Mounted Bluetooth® Programmable, WSPDBEMUNV PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
WSPDBTA	End Mounted Bluetooth® Programmable, WSPDBEMUNV PIR Occupancy Sensor with Automatic Dimming Photocell and Aisle Lens
OS1360	End Mounted WSPEMUNV PIR Occupancy/Daylight Sensor with 360° Lens
OS1A	End Mounted WSPEMUNV PIR Occupancy/Daylight Sensor with Aisle Lens

Other

Independent Control

OS [6]	On/Off Sensor 360° high mount sensor
OCS [6]	On/ Off Occupancy/ Daylight Sensor 360° high mount sensor
ODS [6]	Dimming Occupancy Sensor 360° high mount sensor
AWNR	Lutron Athena Integral Fixture Control A-WN-DO1-RF-WH (RF only)

Notes:

1 ELL20 with 347/480V not available for mounting options SM and PM
2 Only available with discrete voltage option codes: 120 or 277
3 Only available with discrete voltage option codes: 120, 277, 347, or 480
4 Only available with discrete voltage option codes: 120, 277, or 347
5 Only available with Lumen Output codes L24, L30, L36, L48, and L60
6 Other sensors are programmable and sensors are typically side mounted
7 NX Connect devices can be customized with the NX Connect app, available on the Apple® App Store. Sensors are bottom mounted. See pictures on integrated sensor page
8 High mount lens provided. For low, medium, or aisle distribution, order appropriate lens accessory and field change
9 To determine the lumen output in emergency mode, multiply the battery pack wattage by the fixture lumens per watt (LPW)
10 Please consult factory on leadtime for this option
11 QS10 not available for ELL20 with cord options
12 This product offers BABA compliant configurations. Configurations including batteries, sensors, controls, and some drivers may not be compliant. Please consult factory to verify BABA compliance for a given configuration

NEMA PLUG TYPE TABLE

Voltage	TL15 15A Twist Lock	TL20 20A Twist Lock	P151 15A Straight
120V	L5–15P	L5–20P	5–15P
277V	L7–15P	L7–20P	7–15P
347V	N/A	L24–20P	24–15P
480V	N/A	L8–20P	N/A

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STOCK GUIDE

STOCK

Control Option		Catalog No.	UPC	Description	Weight (lbs)	Pallet Qty	DLC QPL
None	☐	PELA-840-L24-B-ED-U-ST-PI	662055176361	80 CRI, 4000K, 24,000 Lumens, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-FXK5A2
	☐	PELA-850-L24-B-ED-U-ST-PI	662055176354	80 CRI, 5000K, 24,000 Lumens, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-F7Q6C3
	☐	PELA-840-L30-B-ED-U-ST-PI	603134946338	80 CRI, 4000K, 30,000 Lumens, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-F7Q6C3
	☐	PELA-850-L30-B-ED-U-ST-PI	662055176378	80 CRI, 5000K, 30,000 Lumens, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-F7Q6C3
	☐	PELA-840-L36-B-ED-U-ST-PI	603134946352	80 CRI, 4000K, 36,000 Lumens, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-F7Q6C3
	☐	PELA-850-L36-B-ED-U-ST-PI	662055176385	80 CRI, 5000K, 36,000 Lumens, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-DVLH5N
Independent (OS)	☐	PELA-840-L18-B-ED-U-ST-PI-OS	840141432625	80 CRI, 4000K, 18,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	6	56	S-DVLH5N
	☐	PELA-840-L24-B-ED-U-ST-PI-OS	662055176408	80 CRI, 4000K, 24,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-DVLH5N
	☐	PELA-850-L24-B-ED-U-ST-PI-OS	662055176392	80 CRI, 5000K, 24,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-R52KE7
	☐	PELA-840-L30-B-ED-U-ST-PI-OS	662055176393	80 CRI, 4000K, 30,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-R52KE7
	☐	PELA-850-L30-B-ED-U-ST-PI-OS	662055176415	80 CRI, 5000K, 30,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-R52KE7
	☐	PELA-840-L36-B-ED-U-ST-PI-OS	603134946369	80 CRI, 4000K, 36,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-R52KE7
	☐	PELA-850-L36-B-ED-U-ST-PI-OS	662055176422	80 CRI, 5000K, 36,000 Lumens, Integral On/Off Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-815UDX
NX Connect (NXCHM)	☐	PELA-840-L24-B-ED-U-ST-PI-NXCHM	840141417042	80 CRI, 4000K, 24,000 Lumens, NX Connect Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-815UDX
	☐	PELA-850-L24-B-ED-U-ST-PI-NXCHM	840141417059	80 CRI, 5000K, 24,000 Lumens, NX Connect Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-815UDX
	☐	PELA-840-L30-B-ED-U-ST-PI-NXCHM	840141417066	80 CRI, 4000K, 30,000 Lumens, NX Connect Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-I9B738
	☐	PELA-850-L30-B-ED-U-ST-PI-NXCHM	840141417073	80 CRI, 5000K, 30,000 Lumens, NX Connect Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-I9B738
	☐	PELA-840-L36-B-ED-U-ST-PI-NXCHM	840141417080	80 CRI, 4000K, 36,000 Lumens, NX Connect Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-I9B738
	☐	PELA-850-L36-B-ED-U-ST-PI-NXCHM	840141417097	80 CRI, 5000K, 36,000 Lumens, NX Connect Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-I9B738
NX Networked Wireless (NXWHM)	☐	PELA-840-L24-B-ED-U-ST-PI-NXWHM	603134946321	80 CRI, 4000K, 24,000 Lumens, NX Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-WJ94ES
	☐	PELA-840-L30-B-ED-U-ST-PI-NXWHM	603134946345	80 CRI, 4000K, 24,000 Lumens, NX Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	10	30	S-WJ94ES
	☐	PELA-840-L36-B-ED-U-ST-PI-NXWHM	840141432632	80 CRI, 4000K, 36,000 Lumens, NX Wireless Sensor, Diffuse Wide Distribution Polycarbonate Lens, 0–10V Dimming Driver, 120–277V, White	20	20	S-WJ94ES
Accessory	☐	Y-CBL-KIT-5FT	603134946437	Aircraft Cable Hangers, 5' pair, w/ hooks connecting to fixture	1.2	N/A	N/A
	☐	Y-CBL-KIT-10FT	603134946444	Aircraft Cable Hangers, 10' pair, w/ hooks connecting to fixture	1.7	N/A	N/A
	☐	AK_CORD_6FT_3COND_10PC	840141432649	White, 6' 3 Conductor Cord with strain relief, accessory to be installed in field, 10pk	1	N/A	N/A

ACCESSORY ORDERING GUIDE

MOUNTING AND ACCESSORIES				
Mounting Options		Description	Configurable Order Logic Code	Accessories
☐	**Standard Chain/ Cable Mount**	Available on all fixture configurations (chain not included). Y-Cable w/hook can be ordered as an accessory.	ST = Standard (No chain or mounting hardware included)	Not Applicable
☐	**Surface Mount (optional)**	Available on all fixture configurations. Attaches to structural member in ceiling. (Hardware not included.)	SM = Surface Mount	Up to L18: 93124931G L24 and higher: 93120346G
☐	**Pendant Mount (optional)**	Available on all fixture configurations. Attaches to ¾" threaded conduit. (conduit not included).	PM = ¾" Pendant Mount Kit	Up to L18: 93124931G L24 and higher: 93120347G
☐	**Y-Cable w/hook (optional)**	Use with Standard Mounting Option only. Order separately. Priced per pair. 5 ft., 10 ft., 15 ft., 20 ft. lengths available	n/a	5' Y Cable/Hook: 93302310 10' Y Cable/Hook: 93302311 15' Y Cable/Hook: 93306699 20' Y Cable/Hook: 93306750
☐	**V-Clips w/ chains (optional)**	Use with Standard Mounting Option only. Order separately. Priced per pair. 3 ft. length chains included.	n/a	93146133G

FIELD INSTALLABLE 20W BATTERY KITS*		
	Ordering SKU	PELA Body Size
☐	93313452	Size 2
☐	93313453	Size 3
☐	93313454	Size 1

*Emergency battery pack options are California Energy Commission (CEC) Title 20 compliant

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ACCESSORIES ORDERING GUIDE CONT'D.

WIRE GUARDS			
PELA Body Size		SAP #	SAP Description
☐	PELA Size 1	93318567	CUR HB WG 1 5pk
☐	PELA Size 1 + End Mount Sensor	93318568	CUR HB WG 1 SMS 5pk
☐	PELA Size 2	93318569	CUR HB WG 2 10pk
☐	PELA Size 2 + End Mount Sensor	93318570	CUR HB WG 2 SMS 10pk
☐	PELA Size 3	93318571	CUR HB WG 3 10pk
☐	PELA Size 3 + End Mount Sensor	93318572	CUR HB WG 3 SMS 10pk
☐	PELA Size 4	93318573	CUR HB WG 4 5pk
☐	PELA Size 4 + End Mount Sensor	93318574	CUR HB WG 4 SMS 5pk

*SMS = Use with end mount sensor. If ordering fixture with sensor, refer to chart on page 5 of spec sheet to determine if sensor is end mounted. If sensor is end mounted, order wireguard for fixture body size with 'SMS' in description.

All highbay wireguards are priced as single accessories and must be ordered as single accessories. Standard packaging is a master carton containing 5 or 10 wireguards depending on fixture body size.

See Highbay Wireguard Installation Sheet (hyperlink) for more details.

DELIVERED LUMENS

DELIVERED LUMENS AND ELECTRICAL CHARACTERISTICS FOR PELA								
Ordering Code			Delivered Lumens	120–277V		347/480V		Body
CRI/CCT	Lumen	Optic		Watts	LPW	Watts	LPW	
740 750	L09	B	9,100	57	160	60	152	Size 1
	L12		12,100	75	161	77	157	
	L15		15,100	91	166	91	166	
	L18		18,200	114	160	113	161	
	L24		24,000	154	156	152	158	Size 2
	L30		30,000	202	149	201	149	
	L36		36,400	218	167	216	169	Size 3
	L48		48,000	308	156	303	158	
	L60		60,300	343	176	336	179	Size 4
840 850	L09	B	9,100	62	147	65	140	Size 1
	L12		12,100	84	144	84	144	
	L15		15,100	101	150	100	151	
	L18		18,200	126	144	124	147	
	L24		24,000	174	138	171	140	Size 2
	L30		30,000	227	132	225	133	
	L36		36,400	240	152	237	154	Size 3
	L48		48,000	347	138	342	140	
	L60		60,300	380	159	372	162	Size 4

LUMEN OUTPUT MULTIPLIER FOR OPTIC ORDERING CODE		
Optic Lens Code	Optic Description	Lumen Output Multiplier
A	No Lens (120°)	110%
B	Diffused Lens (120°)	100%
C	Clear Lens (120°)	108%
D	Diffused Lens (55°)	103%
E	Diffused Lens (30°)	104%
F	Diffused Lens (90°)	101%
G	Diffused Lens (160°)	104%

Delivered Lumens (in Table on Left) x **Lumen Output Multiplier** = **Delivered Lumens**

PROJECTED LUMEN MAINTENANCE

Calculation Method	Ambient Temp	25,000 hrs	50,000 hrs	60,000 hrs
TM-21-11	25C/77F	0.95	0.93	0.92
	50C/122F	0.94	0.90	0.88
TM-21-21	25C/77F	0.95	0.93	0.91
	50C/122F	0.94	0.90	0.89

AMBIENT TEMPERATURE RATINGS

Lumen Code	L09	L12	L15	L18	L24	L30	L36	L48	L60
Max Ambient	50°C	50°C	50°C	50°C	40°C	40°C	40°C	40°C	40°C
Min Ambient	-30°C	-30°C	-30°C	-30°C	-30°C	-30°C	-30°C	-30°C	-30°C

Note: ELL20 Battery Option Ambient Temperature Ratings:
Max ambient temperature ratings are consistent with the values listed above. Minimum ambient temperature rating for ELL20 option is 0°C

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PELA

LINEAR HIGH BAY

NX LIGHTING CONTROLS

	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
			Networkable	Standalone Grouping	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	–	–	✓	✓	✓	–		NXRM2-H
	NXWHM	NX Networked Wireless Enabled Integral NXSMP2-HMO Wireless High Bay Occupancy & Photocell Sensor	✓	✓	✓	✓	✓	✓	✓	✓	Max: 45ft		NXSMP2-HMO
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS , without Sensor	✓	✓	✓	–	–	✓	✓	✓**	–		NXFSP
	NXEHM	NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	Max: 45ft		NXFSP NXSMP2-HMO
NX Independent	NXCHM	NX Connect NXC-WHS20 Wireless High Bay Occupancy & Photocell Sensor	–	✓	–	✓	✓	✓	✓	✓*	Low Max: 8ft Med. Max: 20ft High Max: 40ft		NXC-WHS20
	WSPD360	End Mounted WSPDEMUNV PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	–	–	Max: 45ft		WSPDEMUNV
	WSPDA	End Mounted WSPDEMUNV PIR Occupancy Sensor with Automatic Dimming Photocell and Aisle Lens	–	–	–	✓	✓	✓	–	–	Max: 45ft		WSPDEMUNV
	WSPDBT360	End Mounted Bluetooth® Programmable, WSPDBEMUNV Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	Max: 45ft		WSPDBEMUNV
	WSPDBTA	End Mounted Bluetooth® Programmable, WSPDBEMUNV Occupancy Sensor with Automatic Dimming Photocell and Aisle Lens	–	–	–	✓	✓	✓	✓	✓	Max: 45ft		WSPDBEMUNV
	OS1360	End Mounted WSPEMUNV PIR On/Off Occupancy/ Daylight Sensor with 360° Lens	–	–	–	✓	✓	–	On/Off Only No Dim	–	Max: 45ft		WSPEMUNV
	OS1A	End Mounted WSPEMUNV PIR On/Off Occupancy/ Daylight Sensor with Aisle Lens	–	–	–	✓	✓	–	On/Off Only No Dim	–	Max: 45ft		WSPEMUNV

* Requires use of NX Connect App available for download from Apple app store
** Requires NXBTC (bluetooth programming tool), order separately

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CONTROLS

DEFAULT SETTINGS

NX Wireless & Wired	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7 Minutes
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0% (OFF)
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	Off
	"Passcode Factory Passcode: HubbN3T!"	Enabled

NX Independent - WSPDBT360/WSPDBTA	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7 Minutes
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0% (OFF)
	Daylight Sensor	Disabled

NX Independent - NX Connect	Settling/Dwell Time	5 sec
	Hold Time	15 min
	Group Hold Time	15 min
	Grace Time	0 sec
	Strategy	-
	Occupancy Sensitivity	5 (highest)
	Occupancy Indicator	1 (enabled)
	Partial Off/Standby	0%
	Background Level	10%
	Task Level	100%
	Daylight Harvesting	1 (enabled)
	Low Ambient Output	250% (of fixtures light output)
	High Ambient Output	OFF

NX Independent - WSPD360/WSPDA	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Full Off Timeout	Disabled
	Daylight Sensor	Disabled

PRODUCT IMAGE

NXWHM
NXEHM

NXCHM

WSPD360 / WSPDA
WSPDBT360 / WSPDBTA
OS1350 / OS1A

CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

APP INFORMATION

NX Lighting Controls App

The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.

Android

Apple iOS

NX Connect App

The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.

Apple iOS

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PELA

LINEAR HIGH BAY

INTEGRATED SENSORS

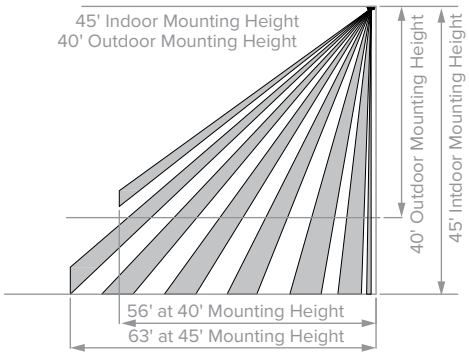
FIELD CHANGEABLE NX-WHS20 SENSOR ACCESSORIES

Ordering Sku	Ordering Cat# Logic	Description
93134999	NX- WHS20_LOW_LENS_KIT_10	Low Lens: 2.5m (8ft) – 10pk
93135001	NX- WHS20_MED_LENS_KIT_10	Med Lens: 6m (20ft) – 10pk
93135003	NX- WHS20_HIGH_LENS_KIT_10	High Lens: 12m (40ft) – 10pk
93134985	NX- WHS20_SNAP_AISLE_MASK_KIT_10	Snap on Aisle Mask

Note: See NX-WHS20 spec sheet for Occupancy Detection Patterns

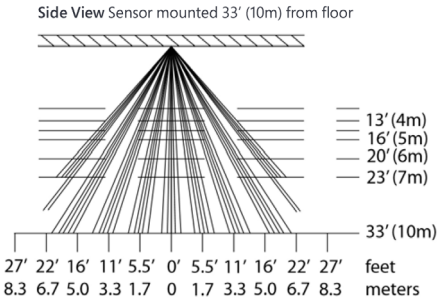
COVERAGE PATTERNS

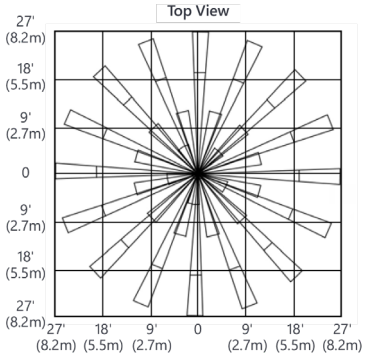
NXWHM (NXSMP2-HMO SENSOR)
NXEHM (NXSMP2-HMO)



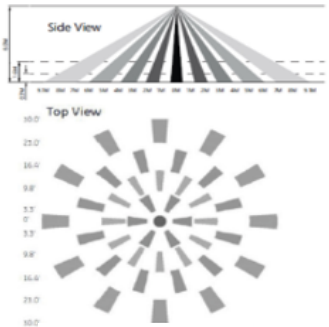
Sensor Lens Coverage and Detection Patterns When Mounted at 40ft and 45ft with Standard Lens

NXCHM (NXC-WHS20 SENSOR)
HIGH LENS: 12.2M (40FT)
27ft Radius/54ft Diameter

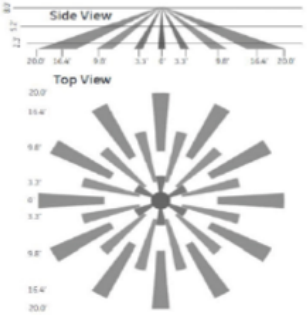




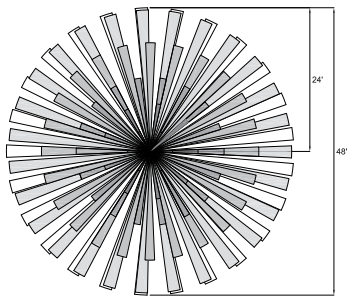
NXCHM (NXC-WHS20 SENSOR)
MED LENS: 6M (20FT)
30ft Radius/60ft Diameter

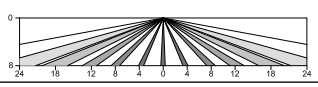


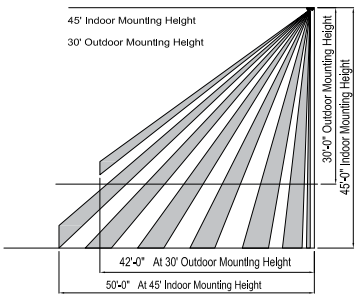
NXCHM (NXC-WHS20 SENSOR)
LOW LENS: 2.5M (8FT)
20ft Radius/40ft Diameter



WSPD360/WSPDA/WSPDBT360/ WASDBTA/OS1360/OS1A







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OTHER LIGHTING CONTROLS

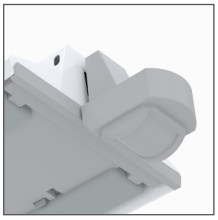
	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0–10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
Other Independent Control	OS	End Mounted LSXR PIR On/Off Sensor 360° High Mount Sensor	–	–	–	✓	–	–	On/Off Only No Dim	–	Max: 45ft		LSXR6LT
	OCS	End Mounted LSXR PIR On/Off Occupancy/Daylight Sensor 360° High Mount Sensor	–	–	–	✓	✓	–	On/Off Only No Dim	–	Max: 45ft		LSXR6PLT
	ODS	End Mounted LSXR PIR Dimming Occupancy Sensor 360° High Mount Sensor	–	–	–	✓	–	✓	–	–	Max: 45ft		LSXR6HLLT
	AWNR	The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.[1]	✓	✓	–	–	–	✓	✓	–	–		A-WN-D01-RF-WH

1 Lutron Athena Hub required to enable Networking, Grouping and Scheduling.

FUNCTIONALITY AND DEFAULT SETTINGS

Name	Description	Minimum Value	Maximum Value	Default Values for Cat Logic Choice		
				OS	OCS	ODS
Occupancy Time Delay (1 Pole)	The length of time the sensor will keep the lights controlled by relay 1 on at full bright after it last detects occupancy, assuming Minimum On Time has been met.	30 sec	30 min	10 min	10 min	10 min
Occupancy Time Delay (2 Pole)	The length of time the sensor will keep the lights controlled by relay 2 on after it last detects last occupancy, assuming Minimum On Time has been met.	N/A	30 min	10 min	10 min	10 min
Photocell Set-Point	The target light level (at the sensor) that is to be maintained.	Auto	64fc	N/A	N/A	4fc
Sunlight Discount Factor	Value used to improve the tracking for accuracy of a sensor with a photocell during periods of high daylight. Decreasing the value will lower the controlled level of the lights.	x/1	x/10	N/A	N/A	x/1
Dimming Range Max (High Trim)	The maximum output level of a sensor with dimming.	Off	10 VDC	N/A	10 VDC	10 VDC
Dimming Range Low (Low Trim)	The minimum output level to which the photocell will dim the lights.	Off	10 VDC	N/A	1 VDC	1 VDC
Dual Zone Photocell %	Relative value of photocell set-point that is used to control relay 2.	110%	200%	N/A	N/A	150%
Dim to Off Occupancy Time Delay	After Occupancy Time Delay has expired, this setting specifies the amoutn of time lights are held at minimum dim before turning off.	0 sec	Never Off	0 sec	0 sec	0 sec

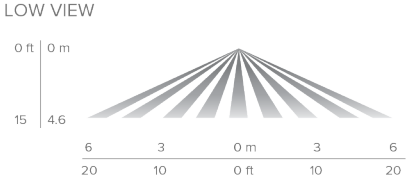
PRODUCT IMAGE

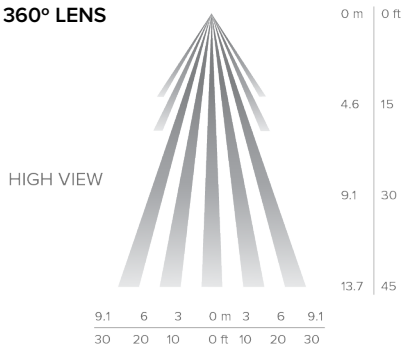


OS / OCS / ODS

OS, OCS, ODS COVERAGE PATTERNS

HIGH MOUNT 360° LENS





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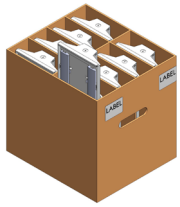
PACKAGING/SHIPPING INFO

JOB PACKAGING IS STANDARD

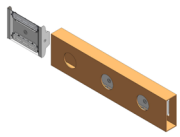
Note: Orders less than 14 fixtures are typically sent Packaged Individually

SLEEVE

Size 1

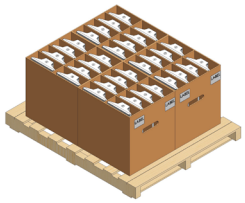


Size 2 & Size 3



LAYER

Size 1



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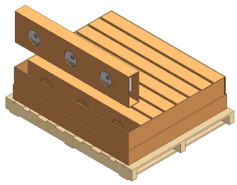
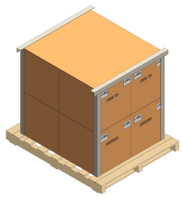
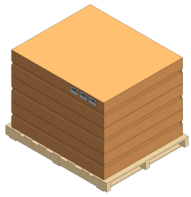


PALLET

Size 1



Size 2 & Size 3



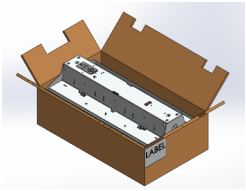
JOB PACK DETAILS			
Size	**Fixtures per Sleeve**	**Sleeves per Layer**	**Layers per Pallet**
1	8	4	2
2	3	8	3
3	1	8	3

JOB PACK PALLET QTYS			
		Pallet Dimensions	
Size	**Standard Fixture Qty**	**L (in) x W(in)**	**H (in)**
1	64	52 x 42	45.5
2	72	52 x 42	39.0
3	24	52 x 42	39.0

JOB PACK PALLET QTYS FOR FIXTURES W/ OPTIONS					
			Fixture Options		
Cord	**EL Pack**	**Bottom Sensor**	**Bottom Mt Sensor & Cord**	**Side Mt Sensor**	**Side Mt Sensor & Cord**
48	42	48	48	42	42
63	48	72	63	48	48
21	21	24	21	24	21

PACKAGED INDIVIDUALLY: OPTION SELECTION PI

Size 1



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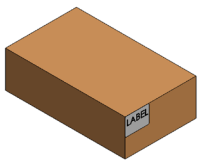
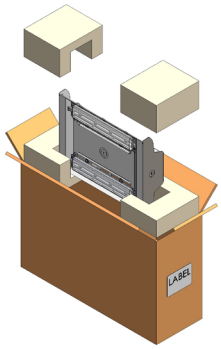
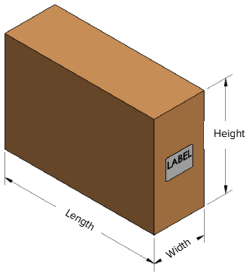


Size 2 & Size 3

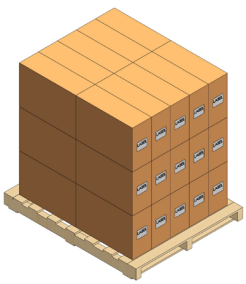


Size 2 & Size 3



Packaged Individually Box Dimensions			
Size	Length (in)	Width (in)	Height (in)
1	20.0	12.0	6.0
2	22.3	7.5	15.0
3	36.5	7.5	15.0

Packaged Individually Pallet Qty & Dimensions			
Size	Qty	L (in) x W (in)	Height (in)
1	56	52 x 42	47.0
2	30	52 x 42	49.0
3	20	52 x 42	48.0



Note: Packaged Individually dimensions do not change if sensor, cord, or EL Pack option is added to fixture

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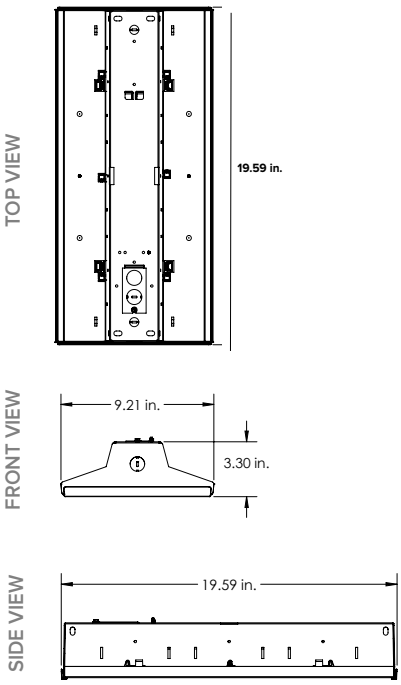
DIMENSIONS

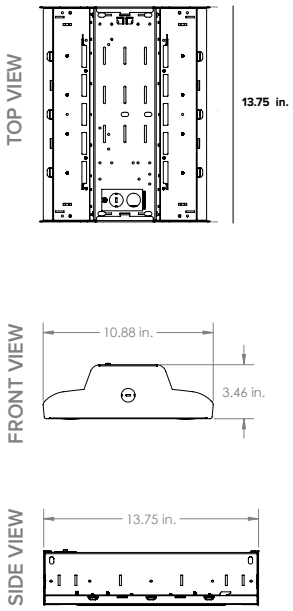
PELA SIZE 1
L09, L12, L15, & L18 LUMEN OUTPUT

Max Weight: 6 lbs



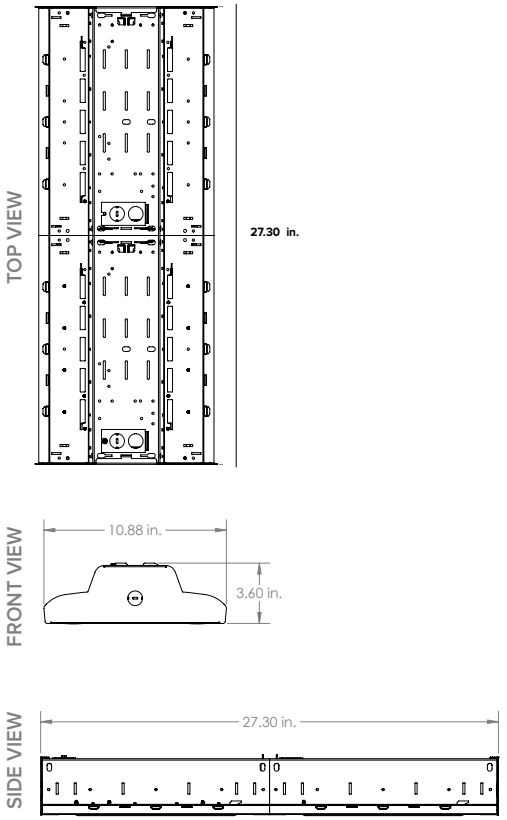
PELA SIZE 2
L24 & L30 LUMEN OUTPUT

Max Weight: 10 lbs



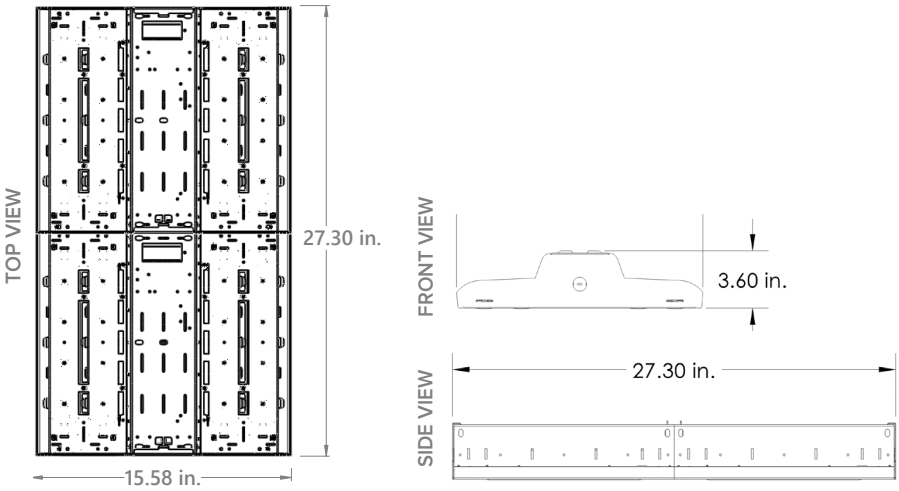
PELA SIZE 3
L36 & L48 LUMEN OUTPUT

Max Weight: 20 lbs



PELA SIZE 4
L60 LUMEN OUTPUT

Max Weight: 22 lbs



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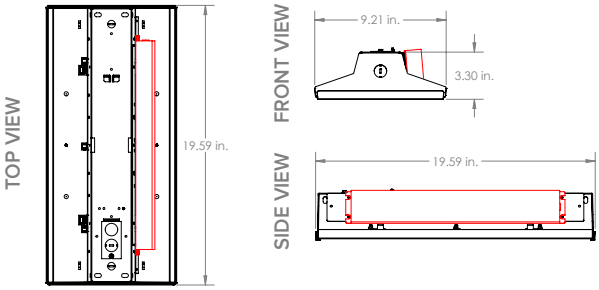
EMERGENCY BATTERY INFORMATION

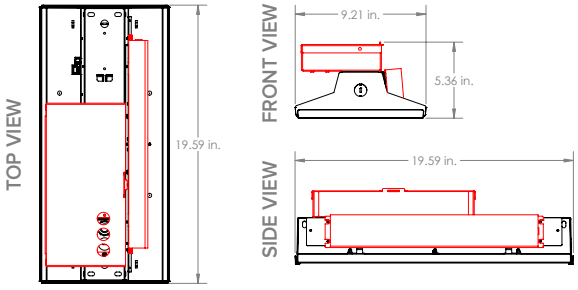
Note: Location of ELL20 battery option is shown in RED below

Lumens in Emergency Mode = LPW of Fixture x EM Pack Wattage (20 watts)

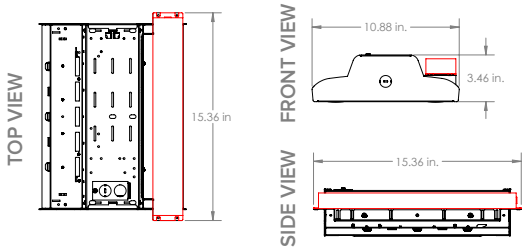
PELA SIZE 1
L09, L12, L15, & L18 LUMEN OUTPUT
VOLTAGE: U, 120V, & 277V



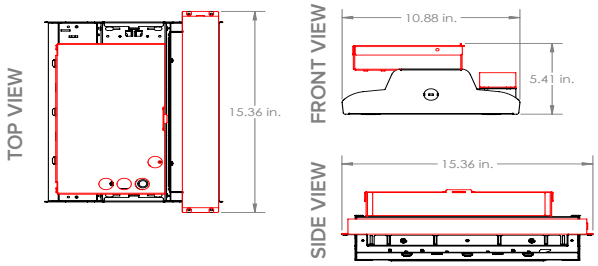
VOLTAGE: 347V & 480V



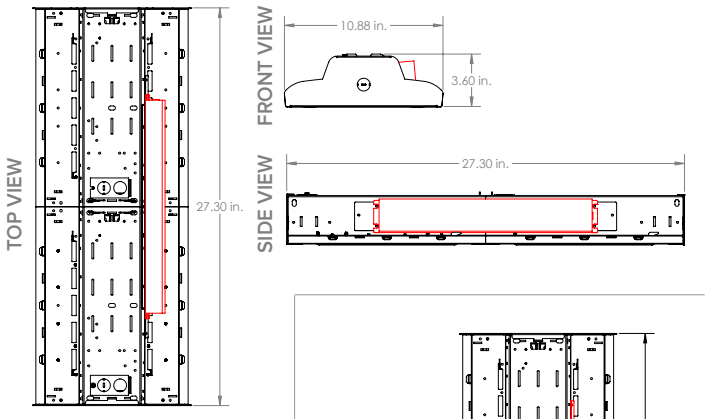
PELA SIZE 2
L24 & L30 LUMEN OUTPUT
VOLTAGE: U, 120V, & 277V



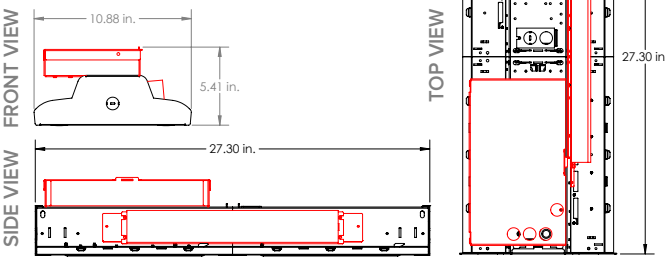
VOLTAGE: 347V & 480V



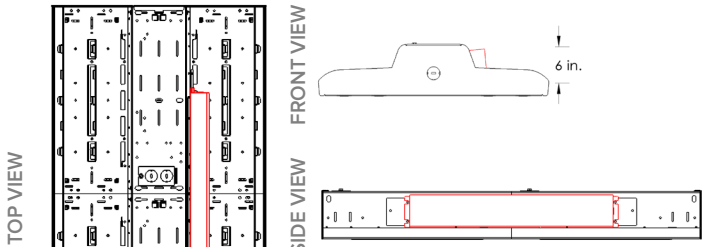
PELA SIZE 3
L36 & L48 LUMEN OUTPUT
VOLTAGE: U, 120V, & 277V



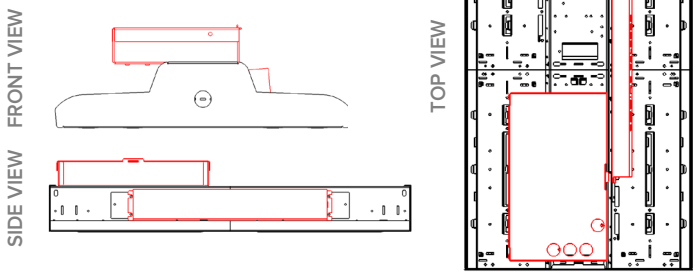
VOLTAGE: 347V & 480V



PELA SIZE 4
L60 LUMEN OUTPUT
VOLTAGE: U, 120V, & 277V



VOLTAGE: 347V & 480V



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PELA

LINEAR HIGH BAY

PHOTOMETRY

PELA-840L30-A-XXX

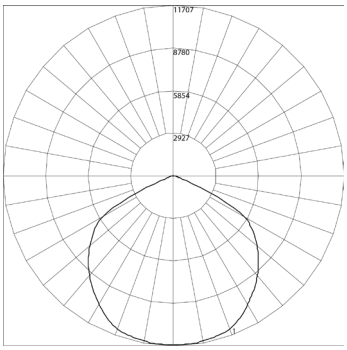
LUMINAIRE DATA

Description	**Linear Highbay; 30,000 Lumens; No Lens (120)**
Delivered Lumens	**33,000**
Watts	**227**
Efficacy	**145**
Spacing Criterion	**0°= 1.30 90° = 1.30**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–20	4336.26	13.10
0–30	9318.28	28.20
0–40	15393.24	46.60
0–60	27596.01	83.60
0–80	32795.71	99.40
0–90	32953.71	99.90
10–90	31843.63	96.50
20–40	11056.97	33.50
20–50	17426.24	52.80
40–70	16145.67	48.90
60–80	5199.70	15.80
70–80	1256.80	3.80
80–90	158.00	0.50
90–110	6.51	0.00
90–120	11.02	0.00
90–130	16.74	0.10
90–150	31.01	0.10
90–180	45.85	0.10
110–180	39.34	0.10
0–180	32999.56	100.00

POLAR GRAPH



Maximum Candela = 11707 Located At Horizontal Angle = 0, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (90 - 270)

PELA-840L30-B-XXX

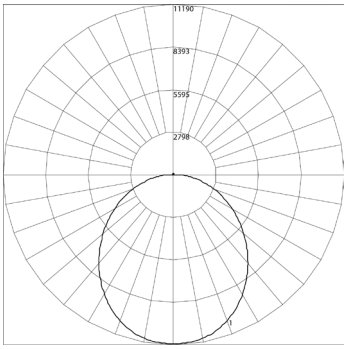
LUMINAIRE DATA

Description	**Linear Highbay; 30,000 Lumens; Diffused Lens (120)**
Delivered Lumens	**30,000**
Watts	**227**
Efficacy	**132**
Spacing Criterion	**0°= 1.22 90°= 1.22**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–20	4059.62	13.50
0–30	8521.12	28.40
0–40	13728.40	45.80
0–60	23466.33	78.20
0–80	29014.12	96.70
0–90	29753.87	99.20
10–90	28698.74	95.70
20–40	9668.79	32.20
20–50	14861.19	49.50
40–70	13191.07	44.00
60–80	5547.79	18.50
70–80	2094.64	7.00
80–90	739.75	2.50
90–110	57.22	0.20
90–120	92.44	0.30
90–130	132.14	0.40
90–150	203.09	0.70
90–180	246.09	0.80
110–180	188.87	0.60
0–180	29999.96	100.00

POLAR GRAPH



Maximum Candela = 11190 Located At Horizontal Angle = 0, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (90 - 270)

PELA-840L30-C-XXX

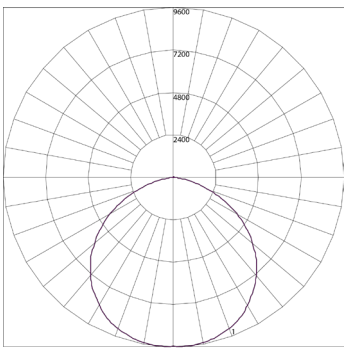
LUMINAIRE DATA

Description	**Linear Highbay; 30,000 Lumens; Clear Lens (120)**
Delivered Lumens	**32,400**
Watts	**227**
Efficacy	**143**
Spacing Criterion	**0°= 1.30 90°= 1.30**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–20	4257.43	13.10
0–30	9148.86	28.20
0–40	15113.38	46.60
0–60	27094.28	83.60
0–80	32199.42	99.40
0–90	32354.59	99.90
10–90	31264.71	96.50
20–40	10855.95	33.50
20–50	17109.39	52.80
40–70	15852.10	48.90
60–80	5105.14	15.80
70–80	1233.94	3.80
80–90	155.17	0.50
90–110	6.51	0.00
90–120	11.02	0.00
90–130	16.74	0.10
90–150	30.78	0.10
90–180	45.33	0.10
110–180	38.82	0.10
0–180	32399.92	100.00

POLAR GRAPH



Maximum Candela = 9600 Located At Horizontal Angle = 0, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

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PELA

LINEAR HIGH BAY

PHOTOMETRY

PELA-840L30-D-XXX

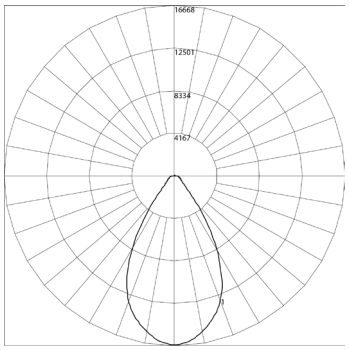
LUMINAIRE DATA

Description	**Linear Highbay; 30,000 Lumens; Diffused Lens (55)**
Delivered Lumens	**30,900**
Watts	**227**
Efficacy	**136**
Spacing Criterion	**0°= 1.36 90° = 0.94**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–20	7077.35	22.90
0–30	14379.83	46.50
0–40	21374.12	69.20
0–60	28509.94	92.30
0–80	30559.83	98.90
0–90	30790.07	99.60
10–90	28917.99	93.60
20–40	14296.77	46.30
20–50	18873.45	61.10
40–70	8501.75	27.50
60–80	2049.89	6.60
70–80	683.96	2.20
80–90	230.24	0.70
90–110	19.09	0.10
90–120	36.33	0.10
90–130	53.41	0.20
90–150	82.73	0.30
90–180	109.79	0.40
110–180	90.71	0.30
0–180	30899.86	100.00

POLAR GRAPH



Maximum Candela = 16668 Located At Horizontal Angle = 5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270)

PELA-840L30-E-XXX

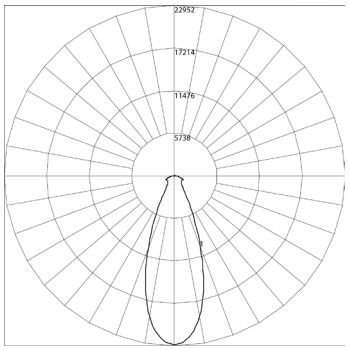
LUMINAIRE DATA

Description	**Linear Highbay; 30,000 Lumens; Diffused Lens (30)**
Delivered Lumens	**31,200**
Watts	**227**
Efficacy	**137**
Spacing Criterion	**0°= 1.32 90°= 0.62**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–20	8768.54	28.10
0–30	15723.68	50.40
0–40	21399.32	68.60
0–60	28143.11	90.20
0–80	30767.30	98.60
0–90	31056.20	99.50
10–90	28540.45	91.50
20–40	12630.78	40.50
20–50	16729.17	53.60
40–70	8422.93	27.00
60–80	2624.19	8.40
70–80	945.06	3.00
80–90	288.90	0.90
90–110	27.23	0.10
90–120	50.36	0.20
90–130	74.44	0.20
90–150	111.78	0.40
90–180	143.40	0.50
110–180	116.17	0.40
0–180	31199.60	100.00

POLAR GRAPH



Maximum Candela = 22952 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270)

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