

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for one-for-one replacement of conventional HID and fluorescent high bay systems. Applications include warehousing, indoor sporting facilities with mounting heights up to 60'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, including condensation, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — The Beyond features extruded aluminum heatsinks for optimized heat management with maximum ambient temperatures up to 55° C on some configurations. Multiple mounting options, including inverted mounting options make the Beyond the ideal solution for a wide variety of applications.

OPTICS — Narrow, medium, wide, aisle, and focus distributions available to meet both horizontal and vertical light level requirements. Acrylic and Polycarbonate lens options ensure performance in every environment. Optics have IK10 options ratings based on material of lens, see ratings on page X.

ELECTRICAL — Utilizes 90C case temperature driver for maximum life at high temperatures. 0.90 power factor. Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015. Luminaire Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015, optional. Available as 120-277V or input.

0–10V dimming standard for a dimming range of 100% to 10% (dim-to-off capable with compatible sensors).

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

INSTALLATION — Suitable for suspension by chain, cable, surface mounting when using compatible surface mount bracket (BEYTH accessory ordered separately), and hook monopoint or single (pendant) mount. To maintain ambient listing, fixture should be mounted at a minimum plenum height of 18".

LISTINGS — CSA certified to US and Canadian safety standards. Damp location listed. For ambient ratings see chart on page 10. Note: Temperature cycling, or variations can potentially produce condensation; please consult factory. Trademarks and trade names are those of their respective owners.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

The product images shown are for illustration purposes only and may not be an exact representation of the product. Specifications subject to change without notice.

Catalog Number
Notes
Type

LED High Bay

BEY



Beyond (BEY)

EXAMPLE: BEY MFG 24LM 277 40K CPTLW SSE APIRH



Damp Location			IP65 Rated*
Warehouse (WHSE)  - Acrylic Lens - Temperatures up to 55°C (or 131°F)	Indoor Sports Facility (ISF)  - IK10 Rated Polycarbonate Lens - Direct or Inverted Mounting	Automotive Manufacturing (AUMFG)  - IK10 Rated Polycarbonate Lens - Non-Silicone Construction	Manufacturing  Natatorium  Cold Food Storage 

*IP65 Trim Packages Coming Soon

Lumens: 18LM to 60LM | CCT: 30K, 35K, 40K, 50K | Voltage: MVOLT, XVOLT, 277

Options: Cords, Plugs, RELOC, 20W IOTA Battery, 30W IOTA Battery, Embedded Controls by SensorSwitch™ and nLight®



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

BEYOND TRIM PACKAGE ORDERING TREE:

All trim packages standard with Medium Distribution, 80CRI, and white finish



Design Select options indicated by this color background.

ORDERING INFORMATION

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

Example: BEY WHSE 24LM MVOLT 40K

Series	Trim Package		Lumen Package		Voltage		Color temperature		Options
BEY	WHSE	Warehouse	18LM	18,000 lumens	MVOLT	120-277V	30K	3000 K	IE20WCPHE Iota 20W emergency battery pack, Certified in CA Title 20 MAEDBS ‡
	AUMFG	Automotive Manufacturing	24LM	24,000 lumens	XVOLT	277-480V	35K	3500 K	IE30WCPHE Iota 30W emergency battery pack, Certified in CA Title 20 MAEDBS ‡
	ISF	Indoor Sporting Facilities	30LM	30,000 lumens	277	277V	40K	4000 K	OCS RELOC OnePass selectable cable 6' installed (damp location only)
			36LM	36,000 lumens			50K	5000 K	OCS4C RELOC OnePass selectable cable 6' installed (for use when unswitched hot is required for battery pack)
			48LM	48,000 lumens					CPSBW 6' white damp location cord with straight blade plug (voltage will match fixture, 120V or 277V only)
			60LM	60,000 lumens					CPTLW 6' white damp location cord with twist-lock (voltage will match fixture)
									CNPW 6' white cord, no plug
									CNP4CW 6' white cord with 4 conductors, no plug (for use when unswitched hot is required for battery pack)
									NLTAIR2 APIRHKO nLight AIR (wireless) gen 2 control device with high mount occupancy
									NLTAIR2 APIRH nLight (wireless) gen 2 high mount occupancy & daylight sensor
									NLTAIR2 nLight (wireless) gen 2 dimming & switching module
									NLTAIRER2 APIRH Embedded wireless controls by nLight with UL924 listed emergency operation via power sense leads, Control mounted external to the luminaire via a KO
									NLTAIRER2 Embedded wireless controls by nLight with UL924 listed emergency operation via power sense leads,
									SSE APIRH Twist-to-lock sensor, white (factory install only)

BEY Trim Packages*

	Warehouse (WHSE)		Indoor Sporting Facility (ISF)**		Automotive Manufacturing (AUMFG)	
Fixture length	L24	L24	L24	L24	L24	L24
Number of modules	2MOD	4MOD	2MOD	4MOD	2MOD	4MOD
Lumen package	18LM-36LM	48LM-60LM	18LM-36LM	48LM-60LM	18LM-36LM	48LM-60LM
Lens	AFL	AFL	PFL	PFL	PFL080	PFL080
Driver	GZ10	GZ10	GZ10	GZ10	GZ10	GZ10
Distribution	MD	MD	MD	MD	MD	MD
CCT	30K - 50K	30K - 50K	30K - 50K	30K - 50K	30K - 50K	30K - 50K
CRI	80CRI	80CRI	80CRI	80CRI	80CRI	80CRI
Primary finish	DWH	DWH	DWH	DWH	DWH	DWH

Highlighted fields are not called out in the nomenclature nor can they be changed. If changes are required, please use the configurable ordering tree on page 3.

* Fixtures ship with access plate for convenient wiring access

** ships standard with inverted mounting brackets

‡ Trim package Option Value Ordering Restrictions	
Option value	Restriction
AUMFG	18LM-48LM ships standard L24/2MOD, 48LM-60LM ships standard L24/4MOD. Ships with AFL lens, MD distribution, 80CRI and DWH finish.
IE20WCPHE	Utilizes a backpack. See drawings on page X for dimensions. Not available with ER sensor options.
IE30WCPHE	Utilizes a backpack. See drawings on page X for dimensions. Not available with ER sensor options.
ISF	18LM-48LM ships standard L24/2MOD, 48LM-60LM ships standard L24/4MOD. Ships with PFL lens, MD distribution, 80CRI, INV mounting and DWH finish.
WHSE	18LM-48LM ships standard L24/2MOD, 48LM-60LM ships standard L24/4MOD. Ships with AFL lens, MD distribution, 80CRI and DWH finish.



Design Select options indicated by this color background.

ORDERING INFORMATION

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

Example: BEY L48 2MOD 24000LM AFL MD MVOLT GZ10 40K 80CRI DWH

Series	Fixture Length	Number of modules ‡	Lumen Package	Lens	Distribution	Voltage	Driver	Color temperature
BEY LED Linear High Bay	L24 24" L48 48"	2MOD Two module ‡	8000LM 8,000 lumens	AFL Acrylic, frosted ‡	ADL Aisle ‡	MVOLT 120-277V	GZ10 0-10V dimming driver	30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K
		4MOD Four module ‡	12000LM 12,000 lumens	ACL Clear Acrylic ‡	FD Focus ‡	XVOLT 277-480V		
		6MOD Six module ‡	15000LM 15,000 lumens	ATL Acrylic textured lens (not available in medium dist.)	MD Medium	120 120V utilizing MVOLT driver		
			18000LM 18,000 lumens	PCL Clear polycarbonate (not available for natatorium) ‡	ND Narrow ‡	208 208V utilizing MVOLT driver		
			24000LM 24,000 lumens	PFL Semi-diffuse polycarbonate (available for medium distribution only) ‡	WD Wide ‡	240 240V utilizing MVOLT driver		
			30000LM 30,000 lumens			277 277V utilizing MVOLT driver		
			36000LM 36,000 lumens			277X 277V utilizing MVOLT driver		
			48000LM 48,000 lumens	PTL Polycarbonate textured lens (not available with MD dist.)		347X 347V utilizing XVOLT driver ‡		
			60000LM 60,000 lumens			480X 480V utilizing XVOLT driver ‡		
			72000LM 72,000 lumens	PCL080 Polycarbonate, clear, .080" thick ‡				
			80000LM 80,000 lumens	PFL080 Polycarbonate, frosted, .080" thick ‡				
			90000LM 90,000 lumens					
			100000LM 100,000 lumens					

CRI	Options
80CRI 80 CRI 90CRI 90 CRI	Emergency Options: E7W IOTA 7W Emergency battery pack, Constant Power, Title 20 Compliant, User-selectable Self-Diagnostic, AC Activate with Integral Test Switch E10W IOTA 10W Emergency battery pack, Constant Power, Title 20 Compliant, User-selectable Self-Diagnostic, AC Activate with Integral Test Switch IE20WCPHE IOTA 20W Emergency battery pack, Constant Power, Title 20 Compliant, User-selectable Self-Diagnostic, AC Activate with Integral Test Switch IE30WCPHE IOTA 30W Emergency battery pack, Constant Power, Title 20 Compliant, User-selectable Self-Diagnostic, AC Activate with Integral Test Switch ETS IOTA Emergency generator transfer device Reloc: OCS RELOC® OnePass selectable cable 6' installed OCS4C RELOC® One Pass® selectable cable 6' installed. OCU_ RELOC® OnePass® unselectable cable 6' installed (must specify tap position) RRL_ RELOC® -Ready luminaire. See page 14 for ordering information Cord sets: CNPW 6' white 18/3 cord, no plug CNP4CW 6' white 18/4 cord, no plug CNP5CW 6' white 18/5 cord, no plug CNP5CDW 6' white 18/5 cord, no plug, 3 conductors plus dimming leads CPSBW 6' white damp location 18/3 cord with straight blade plug (voltage will match fixture, 120, 208, 240, or 277V only) CPTLW 6' white damp location 18/3 cord with 15 amp twist-lock plug (voltage will match fixture) CPTL20AW 6' white damp location 18/3 cord with 20 amp twist lock plug (voltage will match fixture) CNP16W 6' white 16/3 cord, no plug CNP164CW 6' white 16/4 cord, no plug CNP165CW 6' white 16/5 cord, no plug CNP165CDW 6' white 16/5 cord, no plug, 3 conductors plus dimming leads CPSB16W 6' white damp location 16/3 cord with straight blade plug (voltage will match fixture, 120, 208, 240, or 277V only) CPTL16W 6' white damp location 16/3 cord with 15 amp twist-lock plug (voltage will match fixture) CPTL20A16W 6' white damp location 16/3 cord with 20 amp twist lock plug (voltage will match fixture) Individual controls: SSE PIRHKO 360° integral high mount motion sensor with standard on/off operation SSE PIRHKO HL 360° integral high mount motion sensor with high/low/(off) occupancy operation. For High/Low/(never off) SSE PIRHKO P 360° integral high mount motion sensor with on/off switching photocell SSE APIRHKO 360° integral high mount motion sensor with dimming & switching photocell SSE APIRHKO ANL 360° integral high mount motion sensor with High/Low occupancy dimming & auto-dimming photocell *For 360° integral LOW MOUNT sensors, remove "H". For High Mount AISLEWAY sensors, replace "H" in nomenclature with "A" nLight Wired: NPP16D nLight dimming & switching module NPP16DER nLight dimming & switching module, with UL924 listed emergency operation via power sense leads nLight AIR: NLTAIR2 Embedded wireless controls by nLight NLTAIREM2 Embedded wireless controls by nLight with UL924 listed emergency operation NLTAIRER2 Embedded wireless controls by nLight, with UL924 listed emergency operation ‡ NLTAIR2 APIR Embedded wireless controls by nLight, Passive Infrared Occ sensor with auto-dimming photocell for low mounting height applications NLTAIREM2 APIR Embedded wireless controls by nLight, with UL924 listed emergency operation, Passive Infrared Occ sensor with auto-dimming photocell for low mounting height applications NLTAIRER2 APIR Embedded wireless controls by nLight with UL924 listed emergency operation, embedded Passive Infrared Occ sensor with autodimming photocell for low mounting height applications ‡ NLTAIR2 APIRH Embedded wireless controls by nLight, Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications NLTAIREM2 APIRH Embedded wireless controls by nLight, with UL924 listed emergency operation, Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications NLTAIRER2 APIRH Embedded wireless controls by nLight with UL924 listed emergency operation, embedded Passive Infrared Occ sensor with autodimming photocell for high mounting height applications ‡ NLTAIR2 APIRA Embedded wireless controls by nLight, Passive Infrared Occ sensor with auto-dimming photocell for aisle applications NLTAIREM2 APIRA Embedded wireless controls by nLight, with UL924 listed emergency operation, Passive Infrared Occ sensor with auto-dimming photocell for aisle applications NLTAIRER2 APIRA Embedded wireless controls by nLight with UL924 listed emergency operation, embedded Passive Infrared Occ sensor with autodimming photocell for aisle applications ‡ NLTAIR2 KO Embedded wireless controls by nLight, Control mounted external to the luminaire via a KO. NLTAIREM2 KO Embedded wireless controls by nLight with UL924 listed emergency operation Control mounted external to the luminaire via a KO. NLTAIRER2 KO Embedded wireless controls by nLight with UL924 listed emergency operation via power sense leads, mounted external to fixture via KO. ‡

Options	Primary finish
<u>Other options:</u> SPD10KV 10kV/6kA Surge Protection Device 120V-277V SPD10KVH 10kV/6kA Surge Protection Device 347V-480V SPD20KV 20kV/6kA Surge Protection Device 120-480V DF Double fusing SF Single fusing DL Damp location ‡ DRYLBL Dry location (required with OCS and OCU options) 2470P 24/7 operation, factory installed battery with 3-conductor cordset or Reloc, with on/off controlled by sensor rather than switch, the normal hot and unswitched hot wired together in the fixture. Consult local codes to determine if this is allowable	DWHXD Gloss white super durable DWH Gloss White

Accessories: Order as separate catalog number.	
<u>Mounting:</u>	
IBAC120 M100	Aircraft cable 10' with hook (one pair)
IBAC240 M75	Aircraft cable 20' with hook (one pair)
IBHMP	Hook monopoint
HBBS36	Chain hanger with chain, 36" (one pair)
IBGACVH	Aircraft 10' V hanger (one pair)
BEYMPPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option, not available with backpack ‡
BEYTH	Tong hanger bracket (order 2 per fixture) ‡
BEYINV	Inverted mounting kit

‡ Option Value Ordering Restrictions	
Option value	Restriction
2470P	Required when an EM battery and a 3 conductor cordset is selected. The driver and EM battery power inputs will be tied together and the fixture will be not be able to be turned off without controls. When ordered with a cordset that includes a plug, the max cord length will be 3 feet. Consult local codes to determine if this is allowable.
347X	Not available with ETS,nPP16 D, E10W, or ER sensor solutions.
480X	Not available with ETS,nPP16 D, E10W, or ER sensor solutions.
2MOD	Available L24 8000LM-36000LM or L48 24000LM-60000LM
4MOD	Available L24 24000LM-60000LM or L48 48000LM-100000LM
6MOD	Available L24 48000LM-60000LM or L48 72000LM-100000LM
90CRI	90CRI configurations have longer lead times.
ACL, AFL, PCL, PFL, PCL080, and PFL080	Available with medium distribution only
ADL, FD, ND, and WD	Available with ATL lens only
ATL, PTL	Available with aisle, focus, narrow and wide distributions
BEYINVM	Must be mounted 18 inches from ceiling. Not available with L/LENS option.
BEYMPPHB	Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box. Not available with IE20WCPHE or IE30WCPHE battery packs.
BEYTHUN	Not available with IE20WCPHE or IE30WCPHE battery packs. Maximum ambient temperature is lowered with use of the BEYTHUN, consult table on page 7 for max operating temperature.
Cord sets	Must specify voltage on cord sets with plugs (not available with MVOLT, HVOLT or XVOLT). 347 and 480 cord set with twistlock plugs require 20A. Straight blade plugs are not available with 347 or 480 volts. Refer to cord set ordering table, page 7 for more configurations. Non-standard configurations have extended lead times. CNP5CW is not available with any sensors. CNP5CDW is not available with sensors that have dimming options.
DF	Available on 208, 240, 480V. Not available with MVOLT, HVOLT or XVOLT.
DL	Required unless Reloc OCS, OCU, or RRL are specified.
E7W	Available MVOLT only.
E10W	Available with MVOLT only.
Emergency batteries	Not available with cords with plugs. Use CNP4CW or OCS4C when unswitched hot is required for battery pack options. Consult standard wiring detail on page 9.
ETS	MVOLT only. Not available with batteries. When sensor is required, please use the ER sensor option (reference page 9). Consult table on page 7 for max operating temperature. Utilizes internally mounted ETS DR for 8000-48000LM and KO mounted ETS20 DR for 60000LM+.
IE20WCPHE	Not available with BEYMPPHB. Battery adds 4.23" depth to fixture (see page 9 for line art).
IE30WCPHE	Not available with BEYMPPHB. Battery adds 4.23" depth to fixture (see page 9 for line art).
Individual controls (SBOR)	Comes standard with SPD. When ordered with ER sensor, ETS is used. Not available with other controls. Refer to page 14 for additional SBOR ordering options. Not available with CNP5CW or CNP5CDW
L24	Available 18,000LM through 24,000 lumens. Available 2MOD 8000LM-36000LM or 4MOD 24000LM-60000LM, or 6MOD 48000LM-72000LM.
L48	Available 24,000LM through 60,000 lumens. Available 2MOD 24000LM-60000 or 4MOD 48000LM-100000LM or 6MOD 72000LM-100000LM.
Number of modules	See chart on 5 for valid module/lumen configurations.
MD	Not available with ATL or PTL.
NLTAIRER2 options	NLTAIRER2 options are not available with XVOLT, 347X or 480X, or battery pack options
nPP16 D	Ships standard with SPD. Only available with 120, 277, or 347V. Not available with nLight wireless options.
OCS	Must specify voltage. DRYLBL is required. Fixture will bear dry location label. Order OCS10 for 10' cord. Consult standard wiring detail on page 9.
OCS4C	Must specify voltage. DRYLBL required. Fixture will bear a dry location label. Use when unswitched hot is required for battery pack options, consult standard wiring detail on page 9. Available with 120, 277 and 347 Volts only.
OCU_	Must specify voltage. When 0-10V dimming leads are required, use C12S option. C12S option is not available with dimming sensors. Fixture will bear dry location label.
RRL	When dimming leads are required use C12S option. Not for use with dimming sensors.
SF	Available on 120, 277, 347V. Not available with MVOLT, HVOLT or XVOLT.
SPD	Standard with HVOLT, XVOLT, 347, 480, ETS, E10W, IE20WCPHE HVOLT, IE30WCPHE HVOLT, SBOR, NPP16 D, NPP16 D ER and RPP20 D EM options. Only specify with MVOLT, 120, 208, 240, or 277V when additional surge protection is needed.
VOLTAGE	Use MVOLT, HVOLT or XVOLT unless option ordered requires specific voltage.

MODULES CHART

Lumen package	Fixture length	Number of Modules		
		2MOD	4MOD	6MOD
8000LM	L24	X		
12000LM		X		
15000LM		X		
18000LM		X		
24000LM		X	X	
30000LM		X	X	
36000LM		X	X	
48000LM			X	X
60000LM			X	X
72000LM				X
24000LM	L48	X		
30000LM		X		
36000LM		X		
48000LM		X	X	
60000LM		X	X	
72000LM		X	X	
80000LM			X	X
90000LM			X	X
100000LM			X	X

BOARDS AND DRIVERS

Length	Lumen Package	# PCBA	# of Drivers
L24	8000	2	1
L24	12000	2	1
L24	15000	2	1
L24	18000	2	1
L24	24000	2	1
L24	30000	2	1
L24	36000	2	2
L24	24000	4	1
L24	30000	4	1
L24	36000	4	2
L24	48000	4	2
L24	60000	4	2
L24	48000	6	2
L24	60000	6	2
L48	24000	4	1
L48	30000	4	1
L48	36000	4	2
L48	48000	4	2
L48	60000	4	2
L48	72000	4	4
L48	48000	8	2
L48	60000	8	2
L48	72000	8	2
L48	80000	8	4
L48	90000	8	4
L48	100000	8	4
L48	120000	8	4
L48	80000	12	3
L48	90000	12	3
L48	100000	12	3
L48	120000	12	4

CORD SET ORDERING INFORMATION

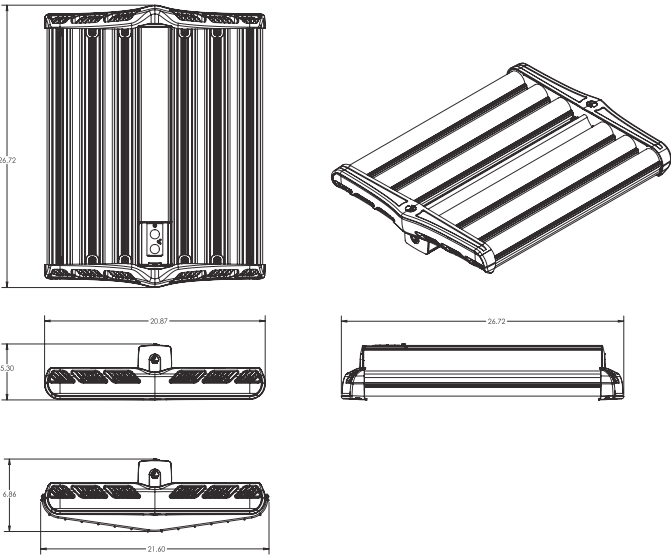
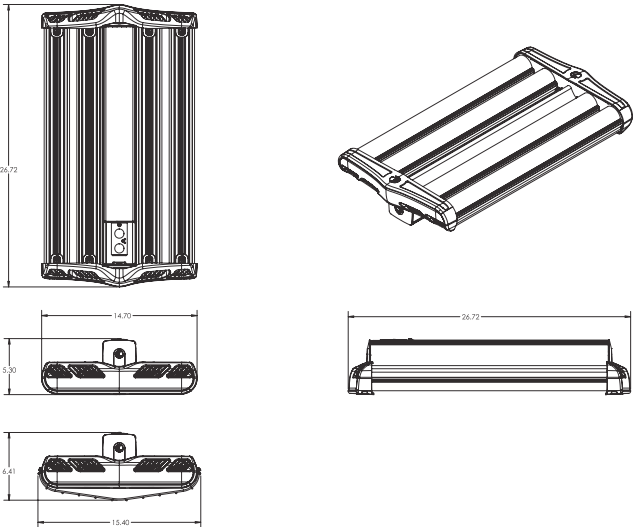
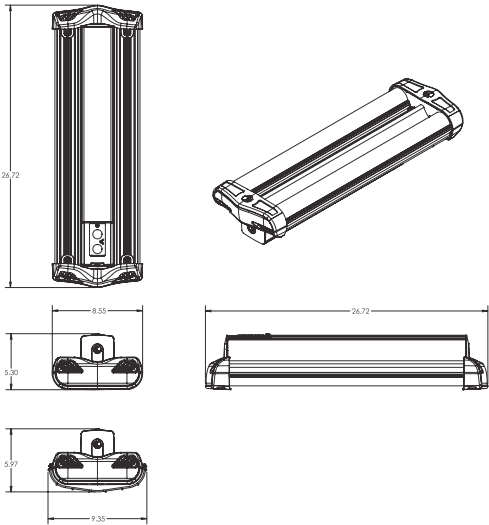
Plug Option		Plug type		Amperage**		Gauge		# of conductors		Color		Location		Length					
CNP	Cord Only	(blank)	No Plug Option (for Cord Only option)	(blank)	15 amps	(blank)	18 gauge standard	(blank)	3 conductors (blk/wht/grn)	(blank)	Black	(blank)	Damp Location	(blank)	6 feet				
CP	Cord with Plug			20A	20 amps***					W	White			0FT	no cord				
CPR	Cord with Plug and mating Connector	TL SB*	Locking Type Straight blade			16	16 gauge	4C	4 conductors; Use with Battery option when unswitched hot is needed	G	Gray			1FT	1 foot				
								5C	5 conductors; Use when fixture has 2 drivers and separate operation is required					2FT	2 feet				
														3FT	3 feet				
														4FT	4 feet				
														5FT	5 feet				
								5CD	5 conductors; Use with dimming driver when dimming leads are desired (Not for use with dimming sensors)					6FT	6 feet				
														7FT	7 feet				
														8FT	8 feet				
														9FT	9 feet				
														10FT	10 feet				
														11FT	11 feet				
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														26FT	26 feet				
														27FT	27 feet				
														28FT	28 feet				
														29FT	29 feet				
														30FT	30 feet				

* Not available wet location. Not available with 347 and 480 volt configurations.
** Amperage is only configurable for cords with plugs.
*** Required on 347 and 480 volt configurations.

LINE ART AND DIMENSIONS

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

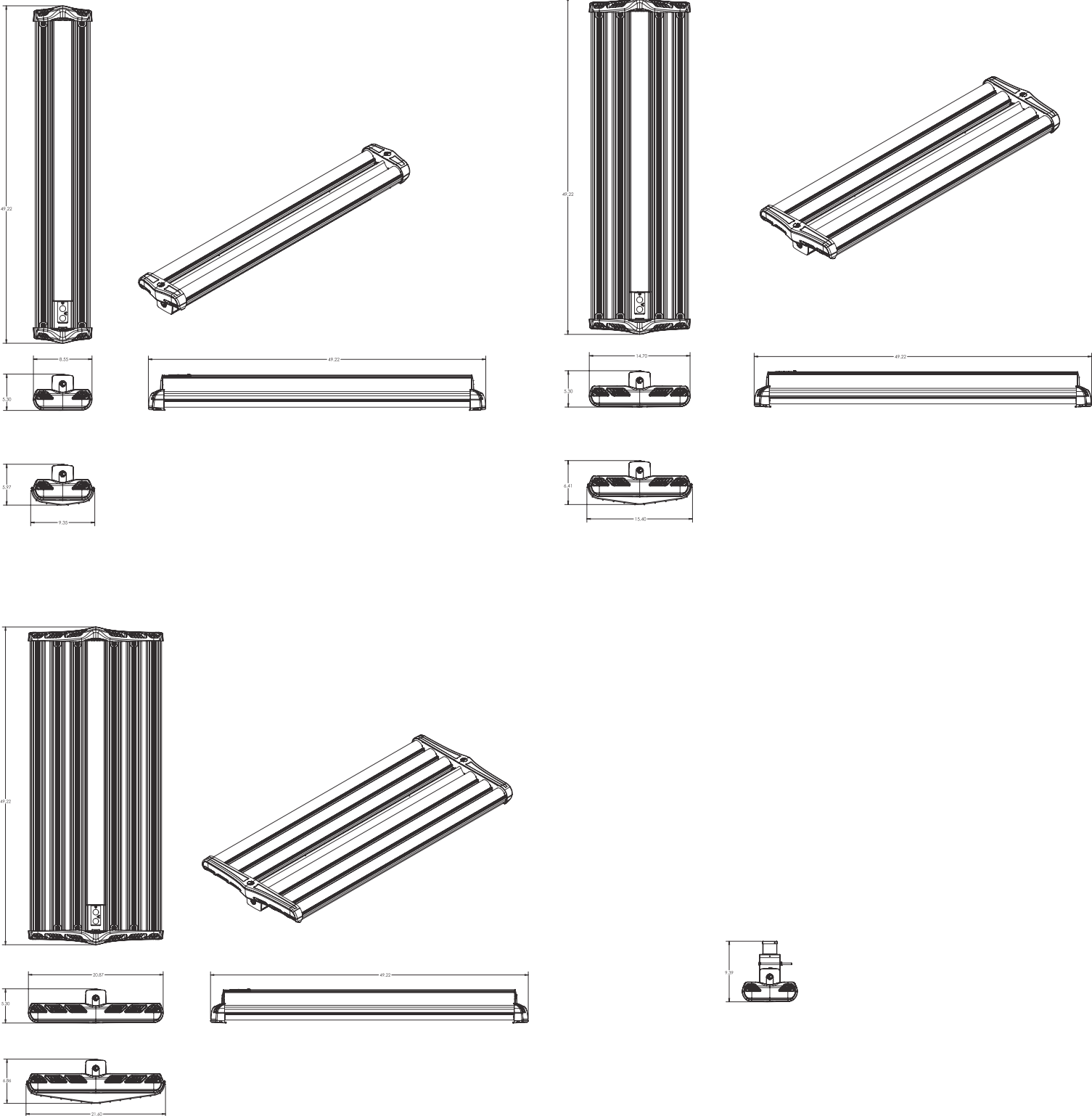
BEY DIMENSIONS



LINE ART AND DIMENSIONS

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

BEY DIMENSIONS



BEY OPERATIONAL DATA
ACL MD 277V

Length	Module	Lumens	Wattage	Lumen Output	LPW
2'	2MOD	8,000	44	8,013	182.1
		12,000	68	12,315	181.1
		15,000	82.5	15,712	190.4
		18,000	95.5	18,212	190.7
		24,000	127.5	24,492	192.1
		30,000	164.9	30,462	184.7
	4MOD	36,000	204.3	36,930	180.8
		24,000	132.3	24,220	183.1
		30,000	166.9	30,568	183.2
		36,000	191.3	36,265	189.6
		48,000	264.7	48,679	183.9
		60,000	332.3	60,423	181.8
4'	6MOD	48,000	257.4	49,953	194.1
		60,000	334.3	62,774	187.8
	2MOD	24,000	129.1	24,669	191.1
		30,000	166.3	31,071	186.8
		36,000	187.9	36,815	195.9
		48,000	253.2	49,204	194.3
	4MOD	60,000	326.8	60,790	186.0
		72,000	408.6	73,097	178.9
		48,000	246	50,273	204.4
		60,000	313	62,305	199.1
		72,000	373.2	72,792	195.0
		80,000	426.7	82,470	193.3
	6MOD	90,000	484.4	92,720	191.4
		100,000	542.5	102,845	189.6
		80,000	405.3	82,429	203.4
		90,000	454.3	90,537	199.3
		100,000	510.4	101038	198.0

SCALING FACTOR TABLES

CCT	Multiplier
3000K	0.91
3500K	0.95
4000K	1
5000K	1

CRI	Multiplier
90CRI	0.88

Material	Multiplier
AFL	0.9854
PCL	1
PFL	0.9149

Distribution	Multiplier
WD	1.010
MD	1
ND	0.9812
ADL	0.9812

PHOTOMETRICS
See www.lithonia.com.

WATTAGE

Length	Module	Lumens	120V	277V	347V	480V	Length	Width	Depth
2'	2MOD	8,000	45	44	x	x	26.7	8.6	5.2
		12,000	70	68	68	67	26.7	8.6	5.2
		15,000	84	83	82	82	26.7	8.6	5.2
		18,000	98	96	95	94	26.7	8.6	5.2
		24,000	130	128	127	126	26.7	8.6	5.2
		30,000	168	165	164	163	26.7	8.6	5.2
		36,000	209	204	203	202	26.7	8.6	5.2
	4MOD	24,000	135	132	132	131	26.7	14.7	5.2
		30,000	171	167	166	165	26.7	14.7	5.2
		36,000	195	191	190	189	26.7	14.7	5.2
		48,000	271	265	263	262	26.7	14.7	5.2
		60,000	340	332	331	329	26.7	14.7	5.2
	6MOD	48,000	263	257	256	255	26.7	20.9	5.2
		60,000	342	334	332	331	26.7	20.9	5.2
4'	2MOD	24,000	132	129	128	128	49.2	8.6	5.2
		30,000	170	166	165	165	49.2	8.6	5.2
		36,000	192	188	187	186	49.2	8.6	5.2
		48,000	259	253	252	251	49.2	8.6	5.2
		60,000	334	327	325	323	49.2	8.6	5.2
		72,000	418	409	406	404	49.2	8.6	5.2
	4MOD	48,000	251	246	245	243	49.2	14.7	5.2
		60,000	320	313	311	310	49.2	14.7	5.2
		72,000	381	373	371	369	49.2	14.7	5.2
		80,000	436	427	424	422	49.2	14.7	5.2
		90,000	495	484	482	479	49.2	14.7	5.2
		100,000	555	543	540	537	49.2	14.7	5.2
	6MOD	80,000	414	405	403	401	49.2	14.7	5.2
		90,000	464	454	452	449	49.2	20.9	5.2
		100,000	521	510	508	505	49.2	20.9	5.2

PROJECTED LUMEN MAINTENANCE

BEY 2ft & 4ft						
Operating hours	0	15,000	30,000	45,000	60,000	100,000
Lumen maintenance factor	1	0.97	0.95	0.94	0.92	0.88

IK RATING

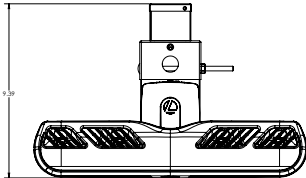
IK Rating	
PCL/PFL	IK10

AMBIENT TEMPERATURE RATINGS

			Battery Surface	Surface	Suspended
L24	2bar	up to 30000LM	40	55	55
	2bar	36000LM	35	45	50
	4bar 6 bar	24000LM - 60000LM	35	55	55
L48	4bar	24000LM - 100000LM	35	45	55
	6bar	90000 - 100000LM	35	55	55

EMERGENCY BATTERY PACK OPTIONS

Fixture Installed Nomenclature	Battery Part Number	Factory Installed Inside Fixture	Factory Installed on Back of Fixture	Suitable for Field or Remote Installation
E10W	ILD 10	Yes	No	No
IE20WCPHE (with MVOLT)	ILBLP CP20 HE SD HV	No	Yes	Yes
IE30WCPHE (with MVOLT)	ILBLP CP30 HE SD HV	No	Yes	Yes
IE20WCPHE (with HVOLT)	ILBHI CP20 HE SD HV	No	Yes	Yes
IE30WCPHE (with HVOLT)	ILBHI CP30 HE SD HV	No	Yes	Yes



EMERGENCY LUMENS

Lumens	E10W	IE20WCPHE	IE30WCPHE
8000	2000		
12000		4000	6000
15000		4000	6000
18000		4000	6000
24000		4000	6000
30000		4000	6000
36000		4000	6000
48000		4000	6000
60000		4000	6000
72000		4000	6000
80000		4000	6000
90000		4000	6000
100000		4000	6000

CORD SETS WITH EMERGENCY WIRING DETAILS

When battery is ordered with a 3-conductor cord set or Reloc® cord (OCS):

The 3 conductor cord set will include the hot (BL), neutral (WH), and ground (GR) conductors but not the unswitched hot for the battery.

- The unswitched hot for powering the battery (BK) will exit the fixture out of the KO of the backpack (for E10WCP batteries) or out of the KO on the end plate (all other battery options).
- If KO-mounted sensor is included, the unswitched hot will come out of opposite end plate KO.

Embedded Luminaire Technology Guide

Control type	Sensor nomenclature	Sensor used (click part number to link to sensor spec sheet)		Out of the box settings					Notes
				Unoccupied time until dim/off	Dim to off time delay	Occupied dim level	Unoccupied dim level	Daylighting set point	
Sensor Switch embedded controls	SSE APIRH	TIS		10M	n/a	10V/100%	n/a	n/a	Standalone embedded control by SensorSwitch. Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications
	SSE PIRHKO	SBOR 6		10M	n/a	10V/100%	n/a	n/a	
	SSE PIRKO	SBOR 10		10M	n/a	10V/100%	n/a	n/a	
	SSE PIRHKO HL	SBOR 6 D 3V		10M	2.5M	10V/100%	3V/30%	n/a	
	SSE PIRKO HL	SBOR 10 D 3V		10M	2.5M	10V/100%	3V/30%	n/a	
	SSE PIRHKO P	SBOR 6 P		10M	n/a	10V/100%	n/a	5FC	
	SSE PIRKO P	SBOR 10 P		10M	n/a	10V/100%	n/a	5FC	
	SSE PIRHKO VLP	SBOR 6 VLP		10M	n/a	10V/100%	n/a	n/a	Settings can be changed via VLP app
SSE PIRKO VLP	SBOR10 VLP		10M	n/a	10V/100%	n/a	n/a	Settings can be changed via VLP app	
nLight AIR2 embedded controls	NLTAIR2	RIO ZTS		n/a	n/a	n/a	n/a	n/a	Wireless networked embedded control by nLight
	NLTAIREM2	RIO ZT EM		n/a	n/a	n/a	n/a	n/a	Wireless networked embedded control from nLight with UL924 listed emergency operation
	NLTAIR2 APIRH	RMSOD 45 ZTS		7.5M	5M	10V/100%	3V/30%	50FC	Wireless networked embedded control by nLight. Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications
	NLTAIR2 APIRA	RMSOD 45A ZTS		7.5M	5M	10V/100%	3V/30%	50FC	Wireless networked embedded control by nLight. Passive Infrared Occ sensor with auto-dimming photocell for aisle mounting height applications
	NLTAIREM2 APIRH	RMSOD 45 ZT EM		7.5M	5M	10V/100%	3V/30%	50FC	Wireless networked embedded control from nLight with UL924 listed emergency operation. Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications
	NLTAIREM2 APIRA	RMSOD 45A ZT EM		7.5M	5M	10V/100%	3V/30%	50FC	Wireless networked embedded control from nLight with UL924 listed emergency operation. Passive Infrared Occ sensor with auto-dimming photocell for aisle mounting height applications
	NLTAIR2 APIRHKO	RSBOR 6		7.5M	2.5M	10V/100%	1V/10%	50FC	Wireless networked embedded control by nLight. Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications, control mounted external to the luminaire via a KO.
	NLTAIR2 APIRAKO	RSBOR 10		7.5M	2.5M	10V/100%	1V/10%	50FC	Wireless networked embedded control by nLight. Passive Infrared Occ sensor with auto-dimming photocell for aisle mounting height applications, control mounted external to the luminaire via a KO.
	NLTAIREM2 APIRHKO	RSBOR 6 EM		7.5M	2.5M	10V/100%	1V/10%	50FC	Wireless networked embedded control from nLight with UL924 listed emergency operation. Passive Infrared Occ sensor with auto-dimming photocell for high mounting height applications, control mounted external to the luminaire via a KO.
	NLTAIREM2 APIRAKO	RSBOR 10 EM		7.5M	2.5M	10V/100%	1V/10%	50FC	Wireless networked embedded control from nLight with UL924 listed emergency operation. Passive Infrared Occ sensor with auto-dimming photocell for aisle mounting height applications, control mounted external to the luminaire via a KO.
nLight AIR2 embedded controls + IOTA ETS device	NLTAIRER2	RIO ZTS	ETS DR	n/a	n/a	n/a	n/a	n/a	Use when code requires the generator/inverter fed luminaire to be connected to both normal and emergency power circuits
	NLTAIRER2 APIRH	RMSOD 45 ZTS	ETS DR	7.5M	5M	10V/100%	3V/30%	50FC	Use when code requires the generator/inverter fed luminaire to be connected to both normal and emergency power circuits
	NLTAIRER2 APIRA	RMSOD 45A ZTS	ETS DR	7.5M	5M	10V/100%	3V/30%	50FC	Use when code requires the generator/inverter fed luminaire to be connected to both normal and emergency power circuits
	NLTAIRER2 APIRHKO	RSBOR 6	ETS DR	7.5M	2.5M	10V/100%	1V/10%	50FC	Use when code requires the generator/inverter fed luminaire to be connected to both normal and emergency power circuits
	NLTAIRER2 APIRAKO	RSBOR 10	ETS DR	7.5M	2.5M	10V/100%	1V/10%	50FC	Use when code requires the generator/inverter fed luminaire to be connected to both normal and emergency power circuits

EMERGENCY OPERATION SCENARIOS

	Standard Sensor or Control Device (commonly used with Battery Pack Option)	EM Solution (Used when switching single incoming hot to generator power)	ER Solution (Used when switching to generator power via a 2nd hot lead)
Emergency Lighting Strategy	*Luminaire-integral battery pack and emergency driver *Generator transfer device	*Diesel genset emergency backup supply *Slow transfer inverter (>30ms) emergency backup supply	*Fast Transfer (FT) inverter emergency backup supply *Uninterruptible Power System (UPS) emergency
Recommended Control Device Option	*Not specifically listed for emergency use. *Wired such that a separately listed emergency device provides emergency lighting power and/or control during loss of normal power scenarios.	*UL 924 listed *EM devices will remain at their high-end trim and ignore wireless lighting control commands, such as in the event of a normal power failure, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds. *Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts. *Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.	*UL 924 listed *Utilizes dedicated Normal Power sensing leads to initiate lighting control override during loss of normal power scenarios. *Requires connections to both emergency and normal power circuits.

	Function	Sequence of Operations	Standard Sensor or Control Device	EM Solution (Generator 1 Hot)	ER Solution* (Generator 2 Hots)	BEY Standard Sensor Settings				
						Vacancy Time Out	Dim to Off Time Delay	High Trim	Low Trim (Vacancy Dim Level)	Photocell Set Point
Standalone Sensors (Individual control per fixture)	On/Off	Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.	SSE PIRHKO	-	SSE PIRHKO ER	10 min	-	-	-	-
	High/Low (Off)	"Lights turn on to high trim when presence is detected; Upon vacancy, the lights dim to low trim after timeout and turn off after "Dim To Off" Time Delay. For High/Low (Never Off) function, bypass the relay by bringing power directly into driver rather than wiring hot through LSXR device."	SSE PIRHKO HL	-	SSE PIRHKO HL ER	10 min	2.5 min	100%	"10% (Driver Low)"	-
	Photocell	Lights turn on unless ambient light level is above set point; If ambient light levels in the space exceed the photocell set point, lights will turn off even during occupancy.	SSE PIRHKO P	-	SSE PIRHKO P ER	-	-	-	-	4 fc
	Dimming + Photocell	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, the lights dim to low trim, then turn off after timeout; During occupancy, automatically raise and lower electric light level to maintain set point and turn off, depending on ambient light.	SSE APIRHKO	-	SSE APIRHKO ER	10 min	2.5	-	-	4 fc
	Dimming + Photocell + High/Low	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, lights dim to low trim after timeout and remain at low trim until presence is detected; Automatically raise and lower electric light level to maintain set point during occupancy and during vacancy keeps lights at low trim if ambient light is not sufficient.	SSE APIRHKO ANL	-	SSE APIRHKO ANL ER	10 min	-	100%	10%	4 fc
Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". Ex. LSXR10 P. For High Aisle Mount sensors, replace "6" with "50".										

nLight AIR Wireless Sensors	Dimming + Photocell + Occupancy	Wirelessly programmable network sensor - On/Off control with dimming, occupancy detection, and daylight harvesting (Sensor embedded in fixture)	NLTAIR2 APIRH		NLTAIRER2 APIRH	7.5 min	-	100%	30%	50 fc
	Dimming	Wirelessly programmable On/Off control with dimming - no sensor (Device embedded in fixture)	NLTAIR2	NLTAIREM2 KO	NLTAIRER2	-	-	100%	10% (driver low)	-
Note: For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A". Ex: NLTAIR2 RMSOD45A EM sensors/controls are KO-mounted; all others integral. RPP20 D EM de-rates fixture to Damp Location.										

***All ER solutions except nLight wired, include standard sensor or control device with a factory-installed Iota ETS##-DR (UL924 bypass device). This device is integral to the fixture and will include a hot and neutral lead for the dedicated emergency circuit.**

RRL - RELOC®-Ready Luminaire

- RRL connectors to be used with the OnePass system.
- 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); non-dimming B Hot conductor wired to position #2 (phase B); non-dimming AE Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming ¹ C12S Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming ²

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)
(click to view RELOC product page for more information)



- Notes
- ¹ AE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode. Requires fixture to have battery option.
 - ² C12S option is used with the OnePass for 0-10V/DALI applications. Not for use with dimming sensors.