

SYLVANIA Luminaires

ValueLED™ Linear High Bay

Application

The Linear High Bay luminaires are environmentally preferable LED alternatives to traditional linear fluorescent and HID luminaires, offering up to 73% in energy savings. Ideal in place of traditional luminaires, or as new installations, the Linear High Bay series is offered in a variety of wattages for use in warehouses, manufacturing facilities, big-box retail, gymnasiums, and loading docks.

Benefits and Features

- DLC Premium listed to maximize rebate opportunities
- Optional Emergency Battery Back-up and Daylight/Motion sensor
- Lightweight and easy to install
- A variety of mounting accessories and wire guards are available
- Up to 136 LPW
- 4000K and 5000K color temperatures
- CRI >80
- Offered in 65, 85, 105, 130, 155, 210, 255 or 300 watts
- 10kV surge suppression
- Offered in Wide or Aisle distribution
- Acrylic Lens used on Wide Distribution fixtures
- Polycarbonate Lens used on Aisle Distribution fixtures
- Energy savings up to 73%

Electrical

- UNV operates from 120-277V_{AC}
- HUV operates from 347-480V_{AC}
- Power Factor >90%
- THD <20%
- 0-10V dimmable down to 10%

Rated Life

- 50,000 hours (L₇₀)

Warranty

- 5-year

Ambient Operating Range

- For all base models:
 - -4°F to +122°F (-20°C to +50°C) when installed 18" from mounting surface
 - -4°F to 113°F (-20°C to 45°C) when installed less than 18" from mounting surface
- For all emergency battery back-up models (when installed 18" from mounting surface):
 - +50°F to +113°F (+10°C to +45°C)

Item #
Type
Project
Notes
Date



Wattage Comparison

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
2x54W FL	87	65	25%
2x54W FL	87	85	2%
4-lamp 32T8	112	65	42%
4-lamp 32T8	112	85	24%
4-lamp 32T8	112	105	7%
250W MH	290	105	64%
250W HPS	295	105	64%
4-lamp 54T5H0	220	130	41%
8-lamp 32T8	224	130	42%
250W MH	290	130	55%
250W HPS	295	130	56%
4-lamp 54T5H0	220	155	30%
8-lamp 32T8	224	155	31%
250W MH	290	155	47%
250W HPS	295	155	47%
320W MH	370	155	58%
6-lamp 54T5H0	350	210	40%
320W MH	370	210	43%
400W HPS	460	210	54%
400W MH	450	210	53%
8-lamp 54T5H0	480	255	47%
400W MH	450	255	43%
750W MH	820	255	69%
750W HPS	840	255	70%
8-lamp 54T5H0	480	300	38%
750W HPS	840	300	64%
1000W MH	1080	300	72%
1000W HPS	1100	300	73%

Certifications and Listings

- cULus
- RoHS
- FCC
- DLC Premium

Installation

- V-Hooks and 3 foot mounting chains included.
- Optional surface mount brackets, pendant mount brackets, and aircraft cable mounts are available. Please see the Accessories section for further information.
- Suitable for damp locations.



Ordering Guide

LINHBA	3A	/ XXX	XXX	D	8	XX	/ XX	X	/ WH	/ XX
Product Name	Generation 3A	Wattage	Voltage	Dimming	CRI	Color Temp	Dimensions	Distribution	Color/Finish	Options
LINHBA = Linear		065 = 65 Watts	UNV = 120-277V	D = 0-10V	8 = >80	40 = 4000K	12 = 1x2	W = Wide	WH = White	D = Daylight / Motion Sensor
High Bay		085 = 85 Watts	HUV = 347-480V	dimming		50 = 5000K	14 = 1x4	A = Aisle		E = Emergency Battery Back-up
		105 = 105 Watts					22 = 2x2			DE = Daylight / Motion Sensor +
		130 = 130 Watts					24 = 2x4			Emergency Battery Back-up
		155 = 155 Watts								L7 = with 6ft cord and 277V plug
		210 = 210 Watts								
		255 = 255 Watts								
		300 = 300 Watts								

Ordering Information

Item Number	Ordering Abbreviation	Wattage (W)	Input Voltage (V)	Dimming	CRI	Color Temp. (CCT)	Total Fixture Lumens	LPW	Distribution	Size	DLC	Options	MTO*
Wide Distribution													
61980	LNHIBA3A/065UNVD840/12W/WH	65	120-277	0-10V	>80	4000K	8775	135	Wide	1x2	Prm	--	--
61981	LNHIBA3A/065UNVD850/12W/WH	65	120-277	0-10V	>80	5000K	8840	136	Wide	1x2	Prm	--	--
62180	LNHIBA3A/085UNVD840/12W/WH	85	120-277	0-10V	>80	4000K	11475	135	Wide	1x2	Pending	--	--
62181	LNHIBA3A/085UNVD850/12W/WH	85	120-277	0-10V	>80	5000K	11560	136	Wide	1x2	Pending	--	--
62258	LNHIBA3A/085UNVD840/12W/WH/D	85	120-277	0-10V	>80	4000K	11475	135	Wide	1x2	Pending	--	--
62259	LNHIBA3A/085UNVD850/12W/WH/D	85	120-277	0-10V	>80	5000K	11560	136	Wide	1x2	Pending	--	--
62260	LNHIBA3A/085UNVD840/12W/WH/E	85	120-277	0-10V	>80	4000K	11475	135	Wide	1x2	Pending	--	--
62261	LNHIBA3A/085UNVD850/12W/WH/E	85	120-277	0-10V	>80	5000K	11560	136	Wide	1x2	Pending	--	--
61982	LNHIBA3A/105UNVD840/12W/WH	105	120-277	0-10V	>80	4000K	14,175	135	Wide	1x2	Prm	--	--
61983	LNHIBA3A/105UNVD850/12W/WH	105	120-277	0-10V	>80	5000K	14,280	136	Wide	1x2	Prm	--	--
61984	LNHIBA3A/130UNVD840/12W/WH	130	120-277	0-10V	>80	4000K	17,550	135	Wide	1x2	Prm	--	--
61985	LNHIBA3A/130UNVD850/12W/WH	130	120-277	0-10V	>80	5000K	17,680	136	Wide	1x2	Prm	--	--
65591	LNHIBA3A/130UNVD850/12W/WH/L7	130	120-277	0-10V	>80	5000K	17,680	136	Wide	1x2	Prm	With 6ft cord and 277V plug	MTO
61986	LNHIBA3A/155UNVD840/12W/WH	155	120-277	0-10V	>80	4000K	20,925	135	Wide	1x2	Prm	--	--
61987	LNHIBA3A/155UNVD850/12W/WH	155	120-277	0-10V	>80	5000K	21,080	136	Wide	1x2	Prm	--	--
61988	LNHIBA3A/210UNVD840/22W/WH	210	120-277	0-10V	>80	4000K	28,350	135	Wide	2x2	Prm	--	--
61989	LNHIBA3A/210UNVD850/22W/WH	210	120-277	0-10V	>80	5000K	28,560	136	Wide	2x2	Prm	--	--
61990	LNHIBA3A/255UNVD840/24W/WH	255	120-277	0-10V	>80	4000K	34,425	135	Wide	2x4	Prm	--	--
61991	LNHIBA3A/255UNVD850/24W/WH	255	120-277	0-10V	>80	5000K	34,680	136	Wide	2x4	Prm	--	--
61992	LNHIBA3A/300UNVD840/24W/WH	300	120-277	0-10V	>80	4000K	40,500	135	Wide	2x4	Prm	--	--
61993	LNHIBA3A/300UNVD850/24W/WH	300	120-277	0-10V	>80	5000K	40,800	136	Wide	2x4	Prm	--	--
61994	LNHIBA3A/065UNVD840/12W/WH/D	65	120-277	0-10V	>80	4000K	8775	135	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
61995	LNHIBA3A/065UNVD850/12W/WH/D	65	120-277	0-10V	>80	5000K	8840	136	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
61996	LNHIBA3A/105UNVD840/12W/WH/D	105	120-277	0-10V	>80	4000K	14,175	135	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
61997	LNHIBA3A/105UNVD850/12W/WH/D	105	120-277	0-10V	>80	5000K	14,280	136	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
61998	LNHIBA3A/130UNVD840/12W/WH/D	130	120-277	0-10V	>80	4000K	17,550	135	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
61999	LNHIBA3A/130UNVD850/12W/WH/D	130	120-277	0-10V	>80	5000K	17,680	136	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
62000	LNHIBA3A/155UNVD840/12W/WH/D	155	120-277	0-10V	>80	4000K	20,925	135	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
62001	LNHIBA3A/155UNVD850/12W/WH/D	155	120-277	0-10V	>80	5000K	21,080	136	Wide	1x2	Prm	Motion/Daylight Sensor	MTO
62002	LNHIBA3A/210UNVD840/22W/WH/D	210	120-277	0-10V	>80	4000K	28,350	135	Wide	2x2	Prm	Motion/Daylight Sensor	MTO
62003	LNHIBA3A/210UNVD850/22W/WH/D	210	120-277	0-10V	>80	5000K	28,560	136	Wide	2x2	Prm	Motion/Daylight Sensor	MTO
62004	LNHIBA3A/255UNVD840/24W/WH/D	255	120-277	0-10V	>80	4000K	34,425	135	Wide	2x4	Prm	Motion/Daylight Sensor	MTO
62005	LNHIBA3A/255UNVD850/24W/WH/D	255	120-277	0-10V	>80	5000K	34,680	136	Wide	2x4	Prm	Motion/Daylight Sensor	MTO
62006	LNHIBA3A/300UNVD840/24W/WH/D	300	120-277	0-10V	>80	4000K	40,500	135	Wide	2x4	Prm	Motion/Daylight Sensor	MTO
62007	LNHIBA3A/300UNVD850/24W/WH/D	300	120-277	0-10V	>80	5000K	40,800	136	Wide	2x4	Prm	Motion/Daylight Sensor	MTO
62145	LNHIBA3A/065UNVD840/12W/WH/E	65	120-277	0-10V	>80	4000K	8775	135	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62146	LNHIBA3A/065UNVD850/12W/WH/E	65	120-277	0-10V	>80	5000K	8840	136	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62147	LNHIBA3A/105UNVD840/12W/WH/E	105	120-277	0-10V	>80	4000K	14,175	135	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62148	LNHIBA3A/105UNVD850/12W/WH/E	105	120-277	0-10V	>80	5000K	14,280	136	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62149	LNHIBA3A/130UNVD840/12W/WH/E	130	120-277	0-10V	>80	4000K	17,550	135	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62150	LNHIBA3A/130UNVD850/12W/WH/E	130	120-277	0-10V	>80	5000K	17,680	136	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62151	LNHIBA3A/155UNVD840/12W/WH/E	155	120-277	0-10V	>80	4000K	20,925	135	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62152	LNHIBA3A/155UNVD850/12W/WH/E	155	120-277	0-10V	>80	5000K	21,080	136	Wide	1x2	Prm	Emergency Battery Back-Up**	MTO
62153	LNHIBA3A/210UNVD840/22W/WH/E	210	120-277	0-10V	>80	4000K	28,350	135	Wide	2x2	Prm	Emergency Battery Back-Up**	MTO
62154	LNHIBA3A/210UNVD850/22W/WH/E	210	120-277	0-10V	>80	5000K	28,560	136	Wide	2x2	Prm	Emergency Battery Back-Up**	MTO
62155	LNHIBA3A/255UNVD840/24W/WH/E	255	120-277	0-10V	>80	4000K	34,425	135	Wide	2x4	Prm	Emergency Battery Back-Up**	MTO
62156	LNHIBA3A/255UNVD850/24W/WH/E	255	120-277	0-10V	>80	5000K	34,680	136	Wide	2x4	Prm	Emergency Battery Back-Up**	MTO
62157	LNHIBA3A/300UNVD840/24W/WH/E	300	120-277	0-10V	>80	4000K	40,500	135	Wide	2x4	Prm	Emergency Battery Back-Up**	MTO
62158	LNHIBA3A/300UNVD850/24W/WH/E	300	120-277	0-10V	>80	5000K	40,800	136	Wide	2x4	Prm	Emergency Battery Back-Up**	MTO
62159	LNHIBA3A/065UNVD840/12W/WH/DE	65	120-277	0-10V	>80	4000K	8775	135	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62160	LNHIBA3A/065UNVD850/12W/WH/DE	65	120-277	0-10V	>80	5000K	8840	136	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62161	LNHIBA3A/105UNVD840/12W/WH/DE	105	120-277	0-10V	>80	4000K	14,175	135	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62162	LNHIBA3A/105UNVD850/12W/WH/DE	105	120-277	0-10V	>80	5000K	14,280	136	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO

*Made To Order

**EMBB for 65, 85, 105, 130W provides 1000 lumens for 90 mins; EMBB for 155, 210, 255, 300W provides 2000 lumens for 90 mins

Ordering Information (continued)

Item Number	Ordering Abbreviation	Wattage (W)	Input Voltage (V)	Dimming	CRI	Color Temp. (CCT)	Total Fixture Lumens	LPW	Distribution	Size	DLC	Options	MTO*
62163	LNHIBA3A/130UNVD840/12W/WH/DE	130	120-277	0-10V	>80	4000K	17,550	135	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62164	LNHIBA3A/130UNVD850/12W/WH/DE	130	120-277	0-10V	>80	5000K	17,680	136	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62165	LNHIBA3A/155UNVD840/12W/WH/DE	155	120-277	0-10V	>80	4000K	20,925	135	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62166	LNHIBA3A/155UNVD850/12W/WH/DE	155	120-277	0-10V	>80	5000K	21,080	136	Wide	1x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62167	LNHIBA3A/210UNVD840/22W/WH/DE	210	120-277	0-10V	>80	4000K	28,350	135	Wide	2x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62168	LNHIBA3A/210UNVD850/22W/WH/DE	210	120-277	0-10V	>80	5000K	28,560	136	Wide	2x2	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62169	LNHIBA3A/255UNVD840/24W/WH/DE	255	120-277	0-10V	>80	4000K	34,425	135	Wide	2x4	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62170	LNHIBA3A/255UNVD850/24W/WH/DE	255	120-277	0-10V	>80	5000K	34,680	136	Wide	2x4	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62171	LNHIBA3A/300UNVD840/24W/WH/DE	300	120-277	0-10V	>80	4000K	40,500	135	Wide	2x4	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
62172	LNHIBA3A/300UNVD850/24W/WH/DE	300	120-277	0-10V	>80	5000K	40,800	136	Wide	2x4	Prm	Motion/Daylight Sensor + Emergency Battery Back-Up**	MTO
Aisle Lens													
62048	LNHIBA3A/065UNVD840/12A/WH	65	120-277	0-10V	>80	4000K	8775	135	Aisle	1x2	Prm	–	–
62049	LNHIBA3A/065UNVD850/12A/WH	65	120-277	0-10V	>80	5000K	8840	136	Aisle	1x2	Prm	–	–
62050	LNHIBA3A/085UNVD840/12A/WH	85	120-277	0-10V	>80	4000K	11475	135	Aisle	1x2	Prm	–	–
62051	LNHIBA3A/085UNVD850/12A/WH	85	120-277	0-10V	>80	5000K	11560	136	Aisle	1x2	Prm	–	–
62052	LNHIBA3A/105UNVD840/12A/WH	105	120-277	0-10V	>80	4000K	14175	135	Aisle	1x2	Prm	–	–
62053	LNHIBA3A/105UNVD850/12A/WH	105	120-277	0-10V	>80	5000K	14280	136	Aisle	1x2	Prm	–	–
62054	LNHIBA3A/130UNVD840/12A/WH	130	120-277	0-10V	>80	4000K	17550	135	Aisle	1x2	Prm	–	–
62055	LNHIBA3A/130UNVD850/12A/WH	130	120-277	0-10V	>80	5000K	17680	136	Aisle	1x2	Prm	–	–
62056	LNHIBA3A/155UNVD840/12A/WH	155	120-277	0-10V	>80	4000K	20925	135	Aisle	1x2	Prm	–	–
62057	LNHIBA3A/155UNVD850/12A/WH	155	120-277	0-10V	>80	5000K	21080	136	Aisle	1x2	Prm	–	–
62058	LNHIBA3A/210UNVD840/12A/WH	210	120-277	0-10V	>80	4000K	28350	135	Aisle	1x2	Prm	–	–
62059	LNHIBA3A/210UNVD850/12A/WH	210	120-277	0-10V	>80	5000K	28560	136	Aisle	1x2	Prm	–	–
62060	LNHIBA3A/255UNVD840/22A/WH	255	120-277	0-10V	>80	4000K	34425	135	Aisle	2x2	Prm	–	–
62061	LNHIBA3A/255UNVD850/22A/WH	255	120-277	0-10V	>80	5000K	34680	136	Aisle	2x2	Prm	–	–
62062	LNHIBA3A/300UNVD840/14A/WH	300	120-277	0-10V	>80	4000K	40500	135	Aisle	1x4	Prm	–	–
62063	LNHIBA3A/300UNVD850/14A/WH	300	120-277	0-10V	>80	5000K	40800	136	Aisle	1x4	Prm	–	–
HUV													
65627	LNHIBA3A/085HUV840/12W/WH	85	347-480V	0-10V	>80	4000K	11475	135	Wide	1x2	Pending	–	–
65628	LNHIBA3A/085HUV850/12W/WH	85	347-480V	0-10V	>80	5000K	11560	136	Wide	1x2	Pending	–	–
65629	LNHIBA3A/130HUV840/12W/WH	130	347-480V	0-10V	>80	4000K	17550	135	Wide	1x2	Pending	–	–
65630	LNHIBA3A/130HUV850/12W/WH	130	347-480V	0-10V	>80	5000K	17680	136	Wide	1x2	Pending	–	–
65631	LNHIBA3A/210HUV840/22W/WH	210	347-480V	0-10V	>80	4000K	28350	135	Wide	2x2	Pending	–	–
65632	LNHIBA3A/210HUV850/22W/WH	210	347-480V	0-10V	>80	5000K	28560	136	Wide	2x2	Pending	–	–
65633	LNHIBA3A/300HUV840/24W/WH	300	347-480V	0-10V	>80	4000K	40500	135	Wide	2x4	Pending	–	–
65634	LNHIBA3A/300HUV850/24W/WH	300	347-480V	0-10V	>80	5000K	40800	136	Wide	2x4	Pending	–	–

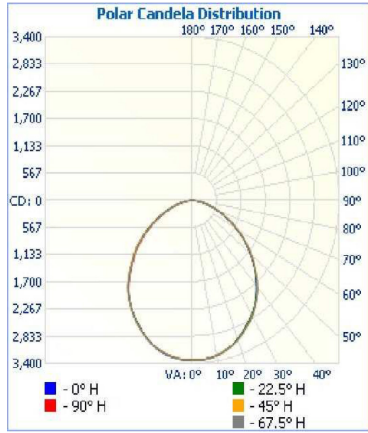
*Made To Order

**EMBB for 65, 85, 105, 130W provides 1000 lumens for 90 mins; EMBB for 155, 210, 255, 300W provides 2000 lumens for 90 mins

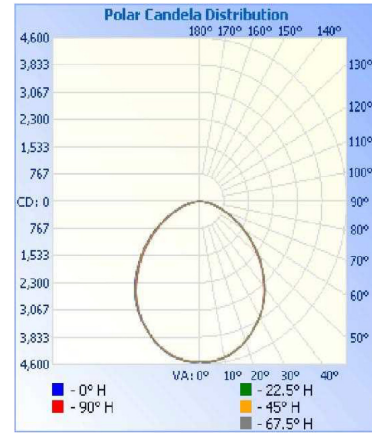
Photometric Information

Wide Distribution

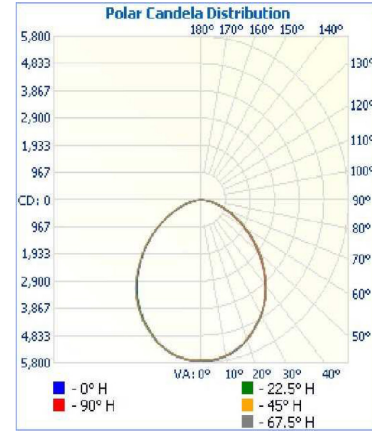
65W



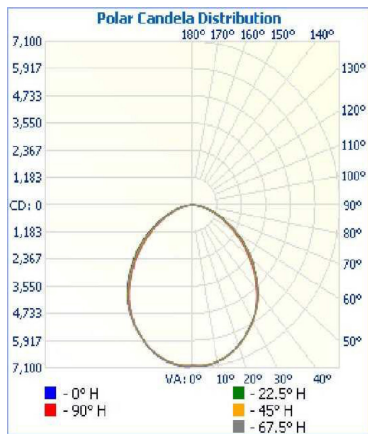
85W



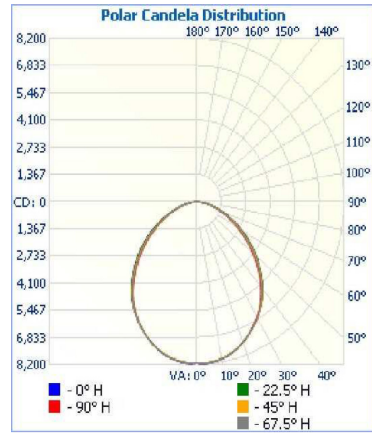
105W



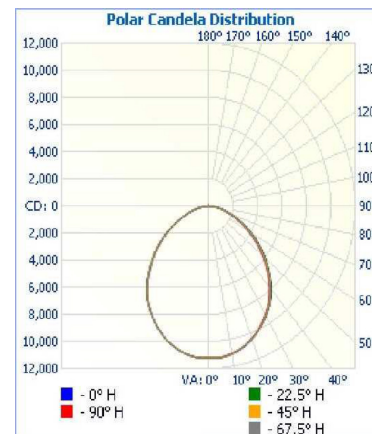
130W



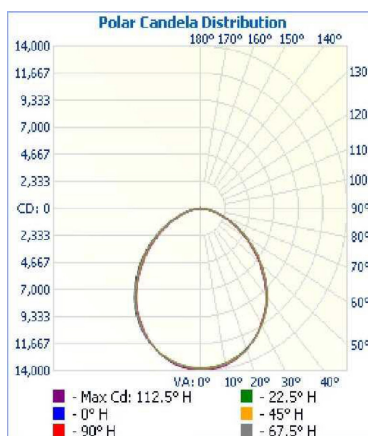
155W



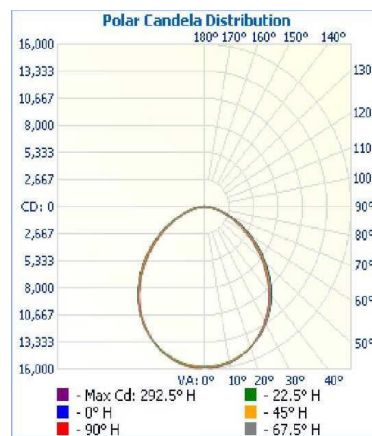
210W



255W



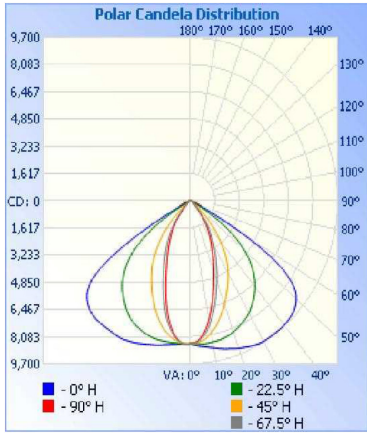
300W



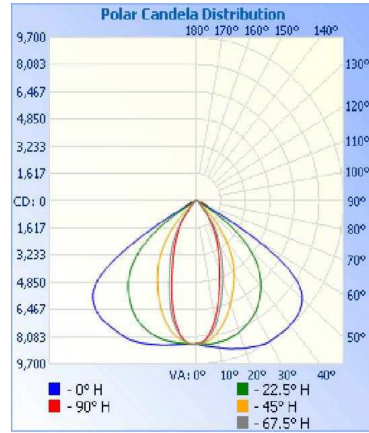
Photometric Information

Aisle Distribution

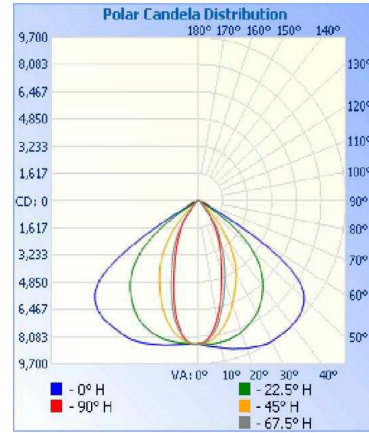
65W



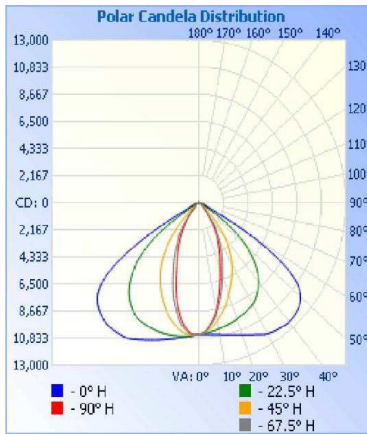
85W



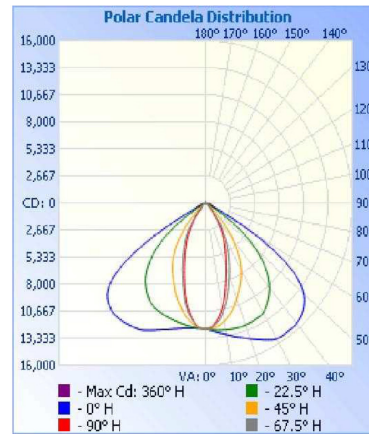
105W



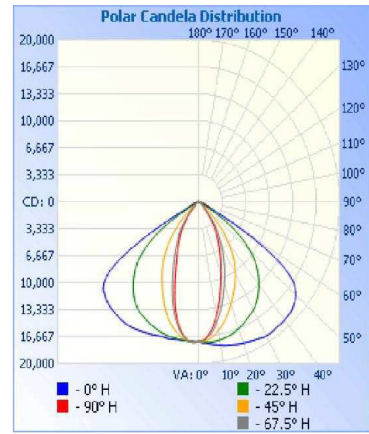
130W



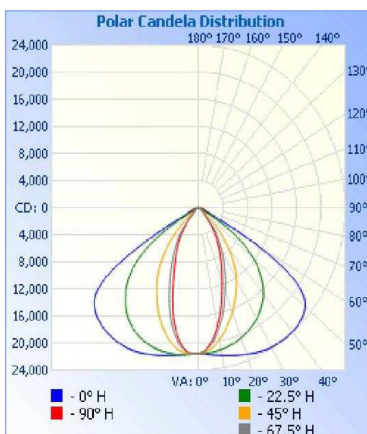
155W



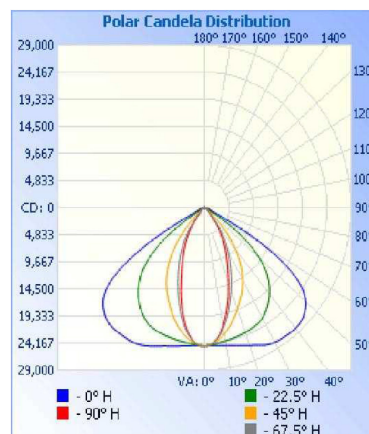
210W



255W



300W

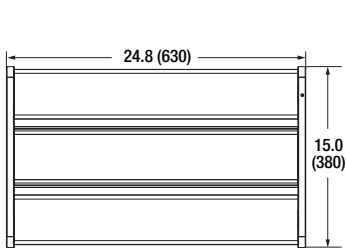


Physical Information

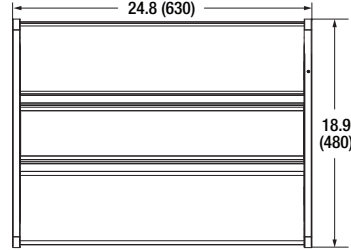
Lamp Description	Length in (mm)	Width in (mm)	Height in (mm)
1x2	24.8 (630)	15.0 (380)	1.8 (45.7)
2x2	24.8 (630)	18.9 (480)	1.8 (45.7)
2x4	48.2 (1225)	18.9 (480)	1.8 (45.7)

Wide Distribution

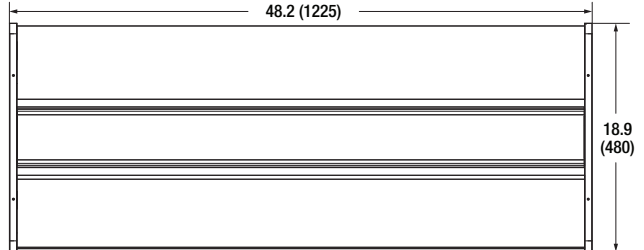
65-155W



210W

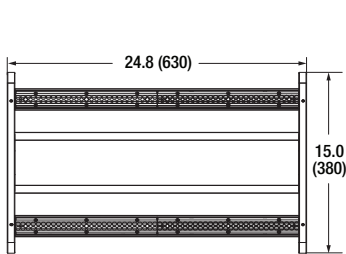


255-300W

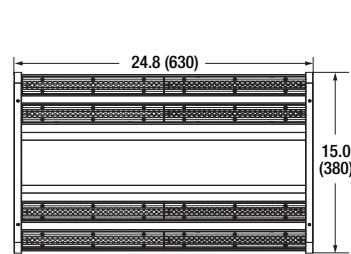


Aisle Distribution

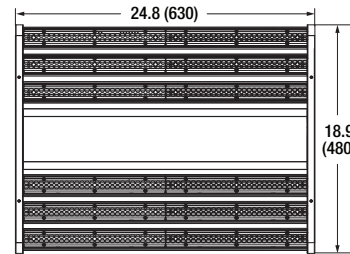
65-105W



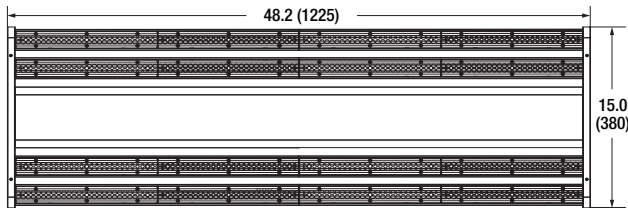
130-210W



255W



300-400W

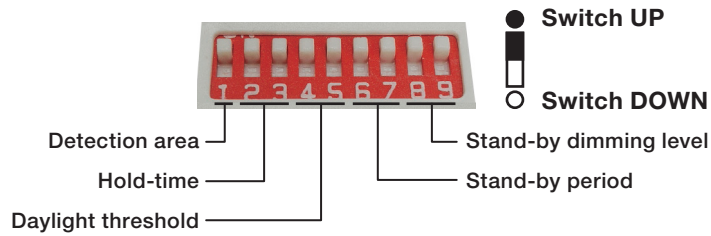


Dimensions in inches (mm)

Accessories

Item Number	Ordering Abbreviation	Item Description
62107	LNHIBA3A/SURFMTGBRACKET/WH	Surface Mount Bracket (2 Brackets per SKU for the mounting of 1 luminaire)
62108	LNHIBA3A/12/WG/WH	1x2 Wire Guard
62109	LNHIBA3A/22/WG/WH	2x2 Wire Guard
62110	LNHIBA3A/24/WG/WH	2x4 Wire Guard
62111	LNHIBA3A/ACCABLEMT	3-Meter (9.8 feet) Aircraft Cable (2 cables per SKU)
62112	LNHIBA3A/PENDMTGBRACKET/WH	Pendant Mount Bracket sized for 1/2" conduit (1 Bracket per SKU for the mounting of 1 luminaire)
60105	HIBAY2A/REMOTE	Sensor Remote (functional up to 49ft/15m)

UNV Motion/Daylight Sensor DIP Switch Settings



●	100%
○	50%

Detection area

Detection area means detection coverage. It can be adjusted by combining DIP switches for specific application.

●	●	5s
○	●	30s
●	○	1min
○	○	5min

Hold-time

Hold-time means the time period the light will be ON after the last detection.

●	●	Disable
○	●	50lux
●	○	10lux
○	○	2lux

Daylight threshold

Daylight sensor prior to motion sensor. Set threshold for specific needs. If disabled, only motion sensor works.

●	●	0s
○	●	30s
●	○	60min
○	○	+∞

Stand-by period

This is the time period the light keeps dimming down after the last detection.

●	●	10%
○	●	20%
●	○	30%
○	○	50%

Stand-by dimming level

This is the dimming level the light keeps during stand-by period.

Remote control setting and DIP switch setting shift



If the sensor was last set by the DIP switch, all settings will follow the DIP switch setting regardless of whether any key was changed. For example: when user changes the detection range by changing switch 1 and 2, all other settings (hold time, stand-by period, daylight sensor, stand-by dimming level) will follow the DIP switch setting even though user did not change them.

If user changes any setting by remote control, the setting will be changed by the relevant button only; other settings will remain. For example: when user changes the hold time by pressing the hold time buttons, only the hold time will be changed; other settings (detection range, stand-by period, daylight sensor, stand-by dimming level) will follow the previous setting.

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