

# LHA

## Linear High Bay with Advance Option and Control

MODEL NO.	TYPE	PROJECT/DATE
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### KEY FEATURES

- Robust cast aluminum design to withstand harsh environment such as manufacturing, natatoriums and gymnasiums
- Multiple high lumen output with multiple mounting, lighting control and light distribution options
- Aesthetic pleasing design with standard prismatic borosilicate lens delivers uniformed and soft illumination

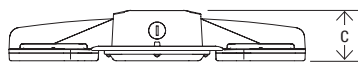
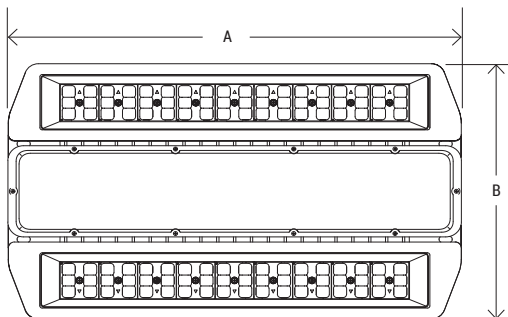
### TECHNICAL SUMMARY

SIZE:	Small (S) - 14" length, Large (L) - 23" length
WATTAGE:	S: 150W, 120W, 100W, L: 275W, 250W, 200W, 150W, programmable optional
LUMEN/EFFICACY*	S: 24,000/20,000/15,000LM, L: 41000/33000/24000LM or 48000LM or program to specific lumen output under max, minimum 10% of the max
INPUT VOLTAGE	120-277Vac, 277-480Vac
AVAILABLE CCT/CRI	4000K, 5000K standard, 3000K, 3500K optional, 80CRI standard
CONTROL	On/off with 0-10V dimmable driver, 0-10V or D4I Bi-level PIR occupancy sensor with daylight harvesting, Synapse wireless lighting control, D4I
VALIDATIONS	ETL and cETL wet location listed, IP65 and IK10 rated (lens & housing), FCC RoHS
LIFETIME	L70>100,000 hours, 5 year warranty
DISTRIBUTION	GL: 120° beam, MD: 90° beam, AD: Aisle distribution
SURGE PROTECTION	10Kv/5Ka
OPERATION TEMP.	(S: -40°F ~ 131°F, L: -40°F ~ 122°F, EM: 32°F ~ 122°F)
FINISH	Standard Matte White, Silver Gray, Natatorium White and Gray optional

\*Delivered lumen may vary, refer to photometric for full performance data



### DIMENSIONS

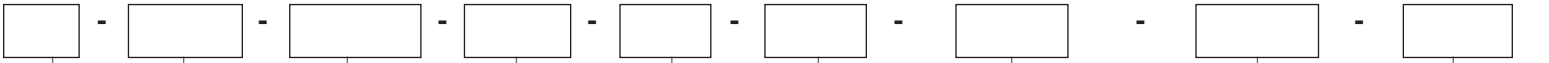


Model No.	A	B	C	WEIGHT
LHA-S-240LC	14"	13.9"	2.3"	15 lbs
LHA-L-400LC LHA-L-480LC	23"	13.9"	2.3"	18 lbs

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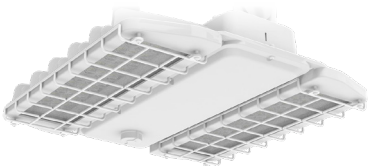
### ORDERING INFORMATION

\*Additional cost and/or lead time on customized fixtures may apply.



Series	Size	Lumen Package	Voltage	CCT	Distribution	Control	Mounting	Finish
LHA	S - (14" length small housing)	<b>240LC-</b> (24,000 / 20,000 / 15,000LM) (150W/120W/100W) <b>Custom*</b>	<b>U</b> - (120-277V) <b>H</b> - (277-480V)*	<b>40K</b> - (4000K) <b>50K</b> - (5000K) <b>30K*</b> - (3000K) <b>35K*</b> - (3500K)	<b>GL</b> - (120° beam) <b>MD</b> - (90° beam)* <b>AD</b> - (Aisle)*	<b>C1</b> - (On/off with 0-10V dimming driver with Z10 receptacle) <b>C2</b> - (Bi-level PIR motion sensor connect via Z10) <b>C3</b> - (0-10V/Synapse NLC wireless control)* <b>D1</b> - (On/off with D4I driver with Zhaga book 18 receptacle)** <b>D2</b> - (D4I/Synapse NLC wireless control connect via Zhaga Book 18)** <b>D3</b> - (D4I/Synapse NLC wireless PIR motion sensor via Zhaga Book 18)**	<b>HM</b> - (Hanging Hook Mount) <b>PM</b> - (3/4" NPT pendant - Stem provided by others) <b>IP</b> - (Indirect hanging Mount - Factory modify)* <b>SM</b> - (Trunnion Surface Mount - Factory modify)  <i>The fixture comes with 5FT aircraft cable and 5FT power cords for Hanging mount as a standard, 18/5</i>	<b>WH</b> - (White) <b>SG</b> - (Silver Gray)* <b>NW</b> - (Natorium rated white finish)* <b>NS</b> - (Natorium rated Silver Gray finish)* <b>Custom RAL*</b>  <i>* Made to order</i>
	L - (23" length large housing)	<b>400LC-</b> (41,000 / 33,000 / 24,000LM) (250W/200W/150W) <b>480L-</b> (48,000LM) (275W) <b>Custom*</b>  <i>Less than max and min 10% of the max</i>						

\*Available accessories sold separately



LHA-S-WG / LHA-L-WG  
Wire guard

Other Options
<b>EM1*</b> - 9W integrated factory install Emergency, LHA-S only, not available for D1, D2, D3
<b>EM2*</b> - 16W integrated factory install Emergency, LHA-L only
<b>EM3 - EM*</b> - Field installed 40W IP65 inverter <b>(*EM options are not available for H-277-480vac)</b>
<b>LHA-S-WG</b> - Wire guard LHA-S
<b>LHA-L-WG</b> - Wire guard LHA-L

### SPECIFICATIONS

#### CONSTRUCTION

Die-cast aluminum housing with integral heat sink to optimize thermal management. Integral driver can be disconnected via quick connector for easy maintenance.

#### FINISH

Standard finish with thermoset powder coat multi-stage process finish that provides corrosion resistance and can withstand extreme climate changes. For the natorium rated option, it includes an added electrophoretic deposition layer and a conformal coating on the LED engine, ensuring long-lasting protection against harsh moisture, chemicals, and corrosion.

#### OPTICS/DIFFUSER

Standard prismatic borosilicate glass and optional Injection molded PC optic provides three degree beam angle options: 120, 90 and 30x110 beam degree.

#### ELECTRICAL

High-power long-life LED engine, IP rated driver with over temp, over voltage and short circuit protection, available in 120-277Vac or 277-480Vac, available in 0-10V or D4I control. Fixture comes standard with 6' SJOW (U) or SOW (H) cabtire power cord.

#### MOUNTING

5' Aircraft cable suspended hanging mount (HM), stem pendant mount (PM, 3/4" NPT, stem not included), indirect suspended mount (IP), trunnion surface mount (SM).

#### VALIDATIONS

ETL and cETL listed for wet location listed, IP65 and IK10 rated (lens & housing), FCC, RoHS.

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### NETWORKED LIGHTING CONTROLS

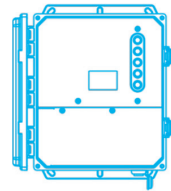
SimplySnap is an easy-to-deploy, easy-to-use, and easy-to-scale solution that adapts to your organization, facilities, and equipment as they are today without requiring massive infrastructure upgrades. With Synapse, your team can manage, monitor, and gain insights from lighting and significant energy users in the facility, enabling ongoing improvements that pave a clear path toward your control and profitability goals.



#### SS-450 Site Controller

Gateway for C3/D2 setup, control up to 1000 nodes, purchase separately

The SS450 site controller serves as the heart of your SimplySnap solution. This network edge appliance provides quick browser-based access and local control of smaller systems with hundreds of devices.



#### Central Base Station

The Central Base Station is a NLC site controller installed in a NEMA 4X enclosure with local programmable push buttons to manually activate up to 25 Scenes (5 per button) across specific Zones or over the entire lighting installation. This solution includes programmable pushbutton controls in addition to the NLC browser based interface.

C1	C2	C3	D1	D2	D3
<p>With Z10 receptacle White/Black depends on the housing finish</p>	<p>ANT-6-Z10 RC-100</p>	<p>ANT-OSS-5.1 &amp; DIM10-087-06-A</p>	<p>Zhaga book 18 receptacle White/Black depends on the housing finish</p>	<p>D4I/Synapse NLC wireless control connect via Zhaga Book 18</p> <p>ZHA-S1 - Zhagabook 18</p>	<p>D4I NLC Bi-level PIR motion sensor</p> <p>CSEN1-H-W-ZHA CSEN1-H-G-ZHA White/Gray depends on the housing finish</p>

**Please contact our Sales Rep for more information and commissioning procedure**