



project name	type
catalog number	voltage
approved by	date

LH1 PRO LINEAR HIGH BAY

The LH1 Pro fixture is the smart choice for reliable, high-performance lighting. Engineered for superior light distribution, it delivers even illumination with precise beam control. Its advanced optics provide a 90° wide beam distribution to light up large areas effectively, while an optional 65° lens is perfect for warehouse aisle lighting. Featuring 6 Power and Color select SKUs and 4 fixed Power and CCT SKUs, the LH1 Pro excels in demanding spaces.



FEATURES AND BENEFITS

PERFORMANCE

- 6 Power & Color Select SKUs for simplified inventory management and field customization.
 - PowerSET – 4 Power settings
 - FieldCCeT – 2 CCT settings (4000/5000K)
- 4 fixed Power and CCT SKUs for cost-conscious projects.
- Full spectrum input voltage coverage: 120-277V, 120-347V and 277-480V options
- Wide range of lumen packages (13,500 – 66,000 lumens) provide solutions for mounting heights up to 60'.
- Diffused polycarbonate lens for reduced glare (beam angle 90°).
- Aisle lens optics option ideal for warehouse aisles (beam angle 65°)
- Die cast aluminum housing and impact resistant lens for robust and reliable installation.
- Technical performance:
 - CRI >80
 - Efficacy up to 150 LPW
 - Lumen Maintenance 70% (L70) at > 100,000Hrs
 - THD <20%, Power Factor >0.9
 - Surge Protection: 6kV included
 - All products are DesignLights Consortium® (DLC) Premium listed.

INSTALLATION

- Accessories included in the box:
 - 10/600V rated power cord for 120-347V models
 - 6.5' aircraft cable with V hooks
- Multiple mounting options available:
 - V Hook & Chain
 - Threaded Rod & Surface Mount
 - Pendant Mount
- Available wire guard options in each size for added security.

CONTROLS

- Standard 0-10V dimming with Dim-to-Off.
- Controls Ready design for standalone and networked control options.
 - Ships with controls ready receptacle for field installation.
 - EiKO Plug-and-Play sensors and controls available.
 - 3rd Party network control options through factory customizations.

CUSTOMIZATION

- Factory installed options to meet custom requirements and building codes:
 - 65° aisle lens optics
 - 90-minute emergency lighting
 - 10kV/20kV surge protection
 - 3rd party networked controls
 - Custom cord lengths and plugs

APPLICATIONS

- Warehouses
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Data Centers
- Manufacturing Plants
- Cold Storage
- Big Box Retail
- Indoor Recreational Facilities
- Vehicle Maintenance Facilities

AVAILABLE MODELS

ORDER CODE	MODEL	DLC PRODUCT ID	DLC CLASSIFICATION
STATIC POWER & COLOR MODELS			
13408	LH1-130-50-U	S-JKLP3W	Premium
13422	LH1-160-50-U	S-D7N8KC	Premium
13424	LH1-160-50-V	S-8RVEPX	Premium
13428	LH1-200-50-U	S-AXHMF3	Premium
POWER & COLOR SELECTABLE MODELS			
14980	LH1-PS160-FCCT-H	S-AWCZVT	Premium
14981	LH1-PS240-FCCT-H	S-6CGSFV	Premium
15642	LH1-PS320-FCCT-H	S-0VPVRH	Premium
15643	LH1-PS320-FCCT-V	S-PW8WS0	Premium
15644	LH1-PS440-FCCT-H	S-1W740D	Premium
15645	LH1-PS440-FCCT-V	S-4DGW9G	Premium

All fixtures ship at the highest wattage setting and at 5000K CCT.

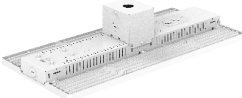
AVAILABLE MODELS

ORDER CODE	MODEL	WATTS (W)	COLOR TEMPERATURE (CCT)	LUMEN OUTPUT (lm)	INPUT VOLTAGE (VAC)	SIZE
120-277V						
13428	LH1-200-50-U	200	5000	30,000	120-277	23" x 11"
120-347V						
14980	LH1-PS160-FCCT-H	160/130/110/90	4000/5000	24,000/19,500/16,500/13,500	120-347	23" x 11"
14981	LH1-PS240-FCCT-H	240/220/200/180	4000/5000	36,000/33,000/30,000/27,000	120-347	23" x 11"
15642	LH1-PS320-FCCT-H	320/300/280/260	4000/5000	48,000/45,000/42,000/39,000	120-347	23" x 12.5"
15644	LH1-PS440-FCCT-H	440/400/380/360	4000/5000	66,000/60,000/57,000/54,000	120-347	29.5" x 14.3"
277-480V						
13424	LH1-160-50-V	160	5000	24,000 lm	277-480	23" x 11"
15643	LH1-PS320-FCCT-V	320/300/280/260	4000/5000	48,000/45,000/42,000/39,000	277-480	23" x 12.5"
15645	LH1-PS440-FCCT-V	440/400/380/360	4000/5000	66,000/60,000/57,000/54,000	277-480	29.5" x 14.3"

ORDERING GUIDE								
MODEL CONFIGURATOR				FACTORY INSTALLED OPTIONS				
MODEL	WATTS	COLOR TEMPERATURE	INPUT VOLTAGE	LENS	CORD LENGTH	CORD END	SURGE PROTECTION	EMERGENCY OPTIONS
LH1								
LH1	PS - Power Selectable 130 - 130W 160 - 160W 200 - 200W 240 - 240W 320 - 320W 440 - 440W	50 – 5000K FCCT – Field Color Selectable (4000K/5000K)	U - 120-277V H - 120-347V V - 277-480V	[Blank] - Default, 90 degree lens 65L - 65 degree aisle lens (Not DLC Listed)	[Blank] - Default, no length* W1xx - 300V 18/3 white cord W2xx - 600V 18/3 white cord W3xx - 600V 18/6 white cord with dimming wires and a 24/7 hot wire for battery backup (Cord end option is not available) *all 120-347V Models come with 10' External Cord	[Blank] - Default, no cord end N01 - 125V 15A straight plug 5-15P N04 - 125V 15A locking plug L5-15P N06 - 277V 15A locking plug L7-15P N12 - 277V 20A locking plug L7-20P N13 - 347V 20A locking plug L24-20P N14 - 480V 20A locking plug L8-20P	[Blank] - Default, no additional protection SP10U - 10kV surge protection 120-277V SP10V - 10kV surge protection 277-488V SP20U - 20kV surge protection 120-277V SP20V - 20kV surge protection 277-480V	[Blank] - Default, no Emergency option EB18 - (For PS160 & 160W) 18W Emergency Battery pack, CEC, 120-347V EB40H - 40W Emergency Battery pack, CEC, 120-347V EB40V - 40W Emergency Battery pack CEC, 277-480V

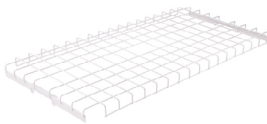
EXAMPLE PART NUMBER: LH1-PS160-FCCT-H-65L-W310-SP20V-EB40H

MOUNTING SYSTEMS

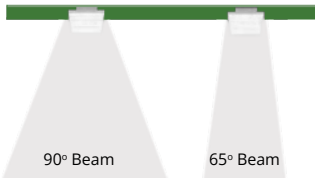
ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
Included			V-Hooks & 6.5' Aircraft cable	
	13815	LH1-VCK	V-Hook & Chain Kit.	 
	13816	LH1-PMK*	Pendant Mount Kit.	 
	13817	LH1-TRSMK	Threaded Rod & Surface Mount Kit.	 

* Pendant mount kit is not compatible with battery backups.

WIRE GUARDS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
	13818	LH1-WG	LH1 Wire Guard for 90-240W.	
	13819	LH1-WG-L	LH1 Wire Guard for 320W.	
	13820	LH1-WG-XL	LH1 Wire Guard for 440W.	

OPTICAL LENS ACCESSORIES

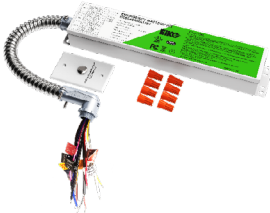
ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES
	14369	LH1-LENS-65	LH1 Aisle Lens, 65 Degree, for 90-240W. (Field or factory install)	
	14371	LH1-LENS-65-L	LH1 Aisle Lens, 65 Degree, for 320W. (Field or factory install)	
	14372	LH1-LENS-65-XL	LH1 Aisle Lens, 65 Degree, for 440W. (Field or factory install)	

* Pendant mount kit is not compatible with battery backups.

Field optics swap in seconds: snap the standard 90° wide beam lens using a flat screw driver. Slide it out and replace with 65° aisle lens.



EMERGENCY LIGHTING SOLUTIONS

ORDER	ORDER CODE	ITEM #	DESCRIPTION	IMAGES	FACTORY INSTALLED CODE
	11675	EEBE18WHA170S* View spec sheet	EiKO 18W (For PS160 & 160W) - 120-347V, Emergency battery pack for use with LH1 130W only. Single Flex-Conduit, CEC Compliant. See spec sheet for full details.		EB18
	13574	EEBE40WHA170S* View spec sheets	EiKO 40W - 120-347V Emergency battery pack for use with LH1 fixtures. Single Flex- Conduit CEC Compliant. See spec sheet for full details. In EM mode only half of the 320W and 440W fixture will power up. The resulting light output is equivalent to a 40W output.		EB40H
	13571	EEBE40WVA500* View spec sheets	EiKO 40W - 277-480V Emergency battery pack for use with LH1 fixtures. Single Flex- Conduit CEC Compliant. See spec sheet for full details. In EM mode only half of the 320W and 440W fixture will power up. The resulting light output is equivalent to a 40W output.		EB40V
	14383	LH1-ZBRK	Bracket for mounting EiKO emergency battery packs directly to the fixture.		

*** WARNING:** When using these AC version battery packs with any controls solution, internal rewiring is required according to the installation sheets' wiring diagram. Failure to do so may result in a violation of safety codes.

Please check the light levels on the ground through a lighting layout to ensure it meets egress lighting requirements.

FLUORESCENT & HID REPLACEMENTS GUIDE

FLUORESCENT	HID	LHS1 WATTS	LUMEN OUTPUT (lm)	INPUT VOLTAGE	MODEL
2xT5HO, 4xT8	175W MH	130W	13,500 lm	120-277V	LH1-130-50-U
4xT5HO, 6xT8	400W MH	160/130/110/90W	24,000 lm	120-277V	LH1-160-50-U
			24,000 lm	277-480V	LH1-160-50-V
			24,000/19,500/16,500/13,500 lm	120-347V	LH1-PS160-FCCT-H
10xT8	450W PS	200/180/160/140W	30,000 lm	120-277V	LH1-200-50-U
8 xT5HO	750W MH	240/220/200/180W	36,000/33,000/30,000/27,000 lm	120-347V	LH1-PS240-FCCT-H
10xT5HO	1000W MH	320/300/280/260W	48,000/45,000/42,000/39,000 lm	120-347V	LH1-PS320-FCCT-H
				277-480V	LH1-PS320-FCCT-V
12 xT5 HO		440/400/380/360W	66,000/60,000/57,000/54,000 lm	120-347V	LH1-PS440-FCCT-H
				277-480V	LH1-PS440-FCCT-V