Project Name:	Part Number:	Type:

EVEREST
LINEAR HIGH BAY

FEATURES

- Versatile 2', 3', & 4' housing delivering 12,000 – 56,000 lumens
- Slim Profile post painted steel housing for maximum rigidity
- Toolless Hinged Driver Access
- Wide & Narrow Distributions
- Impact Resistant and IP5X Rated Lens Options:
    - Frosted Acrylic (FRL)
    - Clear Polycarbonate (PCL)
- V-Clips for dual point chain or cable hanging (std.)
- Advanced and Basic Controls Options
- -20˚F–122˚F Ambient Temperature Range
- 4000K–5000K CCT
- >80 Color Rendering Index (CRI)
- Calculated L70 >100,000 hrs
- 0-10V Dimmable Driver (100%–10%)
- 120-277V Universal Voltage and 347-480V High Voltage via step down transformer
- 5 Year Warranty (std); 10 Year Warranty Optional
- ETL Listed for Damp Location

IP5X RATING

enlighted™ A Siemens Company   Legrand   ES EasySense

SUITABLE APPLICATIONS

- Warehouses
- Distribution Centers
- Gymnasiums
- Manufacturing Plants

ORDERING GUIDE

SERIES	LUMENS	VOLTAGE	CCT	LENS		DISTRIBUTION		BAA OPTION		WARRANTY	
EVT 2 ft. Everest	**12L** 12,000 lm	**U** 120-277v	**40** 4000K	**FRL**	Frosted Acrylic Lens (Std)	**(Blank)**	Wide	**(Blank)**	Not BAA Compliant	**(Blank)**	5YR
	18L 18,000 lm		**50** 5000K	**PCL**[10]	Polycarbonate Clear Lens	**ND**	Narrow	**BAA**	BAA Compliant	**10YR**	10YR
	24L 24,000 lm										
	30L 30,000 lm										
EVT 3 ft. Everest	**36L** 36,000 lm										
	42L 42,000 lm										
EVT 4 ft. Everest	**56L** 56,000 lm										

OPTIONS - FACTORY INSTALLED

CORDx	Cord (x=ft)
QDCx	Quick Disconnect Cord (x=ft)
EM5[1,2,13]	5W Factory Installed Battery Backup
EM5/HE[1,2,13]	5W Factory Installed Battery Backup - CEC Title 20 Compliant
EM7[1,2,13]	7W Factory Installed Battery Backup
EM7/HE[1,2,13]	7W Factory Installed Battery Backup - CEC Title 20 Compliant
EM10[1,2,13]	10W Factory Installed Battery Backup
EM10/HE[1,2,13]	10W Factory Installed Battery Backup - CEC Title 20 Compliant
EM12[1,2,13]	12W Factory Installed Battery Backup
EM20[1,2,13]	20W Factory Installed Battery Backup - CEC Title 20 Compliant
EM25[1,2,13]	25W Factory Installed Battery Backup
GTD[1,2]	Generator Transfer Device UL924
SD480[1,2,10]	480V Step Down Transformer
SD347[1,2,10]	347V Step Down Transformer

CONTROL OPTIONS - BASIC

FIOS[3]	On/Off Occupancy Sensor
FIOSPC[3,11]	On/Off Occupancy Sensor w/ Photocell
FIOSPC/DLH[3,11]	On/Off Occupancy Sensor w/ Daylight Harvesting
DHPC[3,11]	Daylight Harvesting Photocell
USBD[3,11]	User Selectable Bi-Level Dimming Occupancy Sensor
BDxx[3,11]	Preset Bi-Level Dimming Occupancy Sensor (xx=% eg. 20,30)
BDxxPC[3,11]	Preset Bi-Level Dimming Occupancy Sensor (xx=% eg. 20,30) w/ Photocell

CONTROL OPTIONS - ADVANCED

ES/HB[1,3,4]	EasySense High Bay Sensor
FSP-311/Lx[9,12]	Legrand FSP-311 Bluetooth Programming Sensor for 8' Mounting Height (X = Mounting Height 3=10-20', 7=20-40')
5S/CU/IL[9,13]	Enlighted 5E Individual Lighting (IL) Sensor with Control Unit
5S/CU/CL[9,13]	Enlighted 5E Connected Lighting (CL) Sensor with Control Unit
5S/CU/IOT[9,13]	Enlighted 5E Internet of Things (IOT) Sensor with Control Unit

SHIP WITH ACCESSORIES

WC[10]	11ga Wire Cage
HUB 3/4[8,14]	Conduit Hub 3/4" for pendant mounting
HOOK[8,14]	Cast Iron Hook for single point mounting
HB-XX-18Y-PAD	Y-Toggle Aircraft Cable System (xx=in)
SMBKIT-EVT	Surface Mount Bracket
CPMB-EVT[7,8,16]	Center Point Mounting Bracket
CPMB-EVT-3FT[7,8,15]	Center Point Mounting Bracket Kit for 3ft Fixtures
ES/PCD[5]	EasySense Pre-Programmed Control Device
ES/IR[5,6]	EasySense Commission IR Blaster
ES/WWS/DR	EasySense Dual Rocker Wireless Wall Switch

[1] Cannot be used with CPMB, HUB, or HOOK
[2] Externally mounted to fixture
[3] Sensor mounted off end cap of fixture
[4] Must be used with ES/PCD and ES/IR options for commissioning
[5] One needed per project
[6] Must be used with ES/PCD
[7] Must be used with HUB 3/4 or HOOK
[8] Must be used with HB-XX-18Y-PAD for EVT-12L, 36L, 42L
[9] Center Mounted Sensor - Bluetooth Programmable
[10] Does not qualify for DLC
[11] Operation down to 14F
[12] Operation down to 40F
[13] Operation down to 32F
[14] Must be used with CPMB
[15] Can only be used with EVT-36L and 42L
[16] Can only be used with EVT-12L, 18L, 24L, 30L, and 56L

EVEREST
LINEAR HIGH BAY

QUICK SHIP ORDERING:

SERIES	LUMENS	VOLTAGE	CCT	LENS	DISTRIBUTION	WARRANTY
EVT Everest	**12L** 12,000 lm	**U** 120-277v	**40** 4000K	**FRL** Frosted Acrylic Lens (Std)	**(Blank)** Wide	**(Blank)** 5YR
	18L 18,000 lm		**50** 5000K			**10YR** 10YR
	24L 24,000 lm					
	30L 30,000 lm					
	36L 36,000 lm					
	42L 42,000 lm					
	56L 56,000 lm					

LED SYSTEMS INFO[1]	4000K		5000K		Watts[2]	Replaces	DLC
Part Numbers	Lumens	Efficacy	Lumens	Efficacy			
EVT-12L-U-xx	13623	150	13606	150	90	175W MH, 2T5HO	
EVT-12L-U-xx-ND	13365	147	13321	147			
EVT-12L-U-xx-FRL	12816	141	12791	142			
EVT-12L-U-xx-FRL-ND	12573	139	12523	139			
EVT-12L-U-xx-PCL	12431	137	12407	137			
EVT-12L-U-xx-PCL-ND	12195	135	12147	134			
EVT-18L-U-xx	19607	148	19581	148	130	250W MH, 4T5HO	
EVT-18L-U-xx-ND	19204	145	19243	145			
EVT-18L-U-xx-FRL	18285	138	18328	139			
EVT-18L-U-xx-FRL-ND	17910	136	18012	136			
EVT-18L-U-xx-PCL	17736	134	17778	134			
EVT-18L-U-xx-PCL-ND	17372	132	17472	132			
EVT-24L-U-xx	27019	149	27160	150	180	400W MH, 6T5HO	
EVT-24L-U-xx-ND	26208	145	26178	145			
EVT-24L-U-xx-FRL	25205	139	25337	140			
EVT-24L-U-xx-FRL-ND	24448	135	24421	136			
EVT-24L-U-xx-PCL	24448	135	24577	136			
EVT-24L-U-xx-PCL-ND	23714	131	23688	132			
EVT-30L-U-xx	30926	141	31086	141	220	575W MH, 10T8	
EVT-30L-U-xx-ND	29997	136	29963	136			
EVT-30L-U-xx-FRL	28849	131	29000	132			
EVT-30L-U-xx-FRL-ND	27983	127	27952	127			
EVT-30L-U-xx-PCL	27983	127	28130	128			
EVT-30L-U-xx-PCL-ND	27143	123	27113	123			
EVT-36L-U-xx	39147	143	39243	144	270	750W MH, 8T5HO	
EVT-36L-U-xx-ND	38191	140	38018	139			
EVT-36L-U-xx-FRL	37281	137	37362	137			
EVT-36L-U-xx-FRL-ND	36371	133	36196	133			
EVT-36L-U-xx-PCL	36163	132	36241	133			
EVT-36L-U-xx-PCL-ND	35280	129	35110	129			
EVT-42L-U-xx	45983	149	46707	151	300	1000W MH, 10T5HO	
EVT-42L-U-xx-ND	43432	141	43484	141			
EVT-42L-U-xx-FRL	42305	137	42921	139			
EVT-42L-U-xx-FRL-ND	39958	130	39960	130			
EVT-42L-U-xx-PCL	41036	133	41634	135			
EVT-42L-U-xx-PCL-ND	38759	126	38761	126			
EVT-56L-U-xx	60842	150	61721	152	400	1000W MH, 10T5HO	
EVT-56L-U-xx-ND	57436	142	57712	142			
EVT-56L-U-xx-FRL	56114	138	57065	141			
EVT-56L-U-xx-FRL-ND	52972	131	53358	132			
EVT-56L-U-xx-PCL	54430	134	55353	137			
EVT-56L-U-xx-PCL-ND	51383	127	51757	128			

[1]Values are nominal, see IES file for more detail [2]Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

EVEREST
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ELECTRICAL DATA (AMPS)*

Lumen Package	120V	208V	240V	277V	347V	480V
12L	0.75	0.43	0.38	0.32	0.29	0.21
18L	1.08	0.63	0.54	0.47	0.41	0.30
24L	1.50	0.87	0.75	0.65	0.57	0.41
30L	1.83	1.06	0.92	0.79	0.70	0.50
36L	2.25	1.30	1.13	0.97	0.86	0.62
42L	2.50	1.44	1.25	1.08	0.95	0.69
56L	3.33	1.92	1.67	1.44	1.27	1.27

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

SPECIFICATIONS

CONSTRUCTION
The Everest series Highbay features a slim profile rugged steel housing for maximum flexing prevention. The EVT is available in 2', 3', or 4' lengths for a fully scalable solution. Thumbs screws and a hinged driver door provide toolless access for ease of maintenance and installation. Power access plate mounted on back of center driver channel for easy access to wiring. BAA/ARRA compliant option available, proudly assembled in America with domestic and imported parts.

OPTICS
Standard with impact resistant frosted acrylic lens (FRL) for added LED glare reduction. Optional clear polycarbonate lens (PCL) available. High performance snap on factory/field installed Narrow distribution optic available on all lumen packages. Both optics are IP5X rated; protected against dust intrusion.

ELECTRICAL
Class 2 High-performance drivers features over-voltage, under-voltage, short circuit and over temperature protection. L70 >100,000 hrs. in accordance with IESNA TM-21-19 projected values at 25°C Ambient temperature. Power Factor > 0.90. Standard 120-277 Vac 50/60Hz 0-10V dimmable (10% - 100%) with optional 347V – 480 Vac step down transformer. Optional emergency battery backups and generator transfer device available to meet critical life safety lighting requirements. Reduced fixture maximum ambient on emergency battery backup and step-down options, consult factory. Input power stays constant over life. Additional surge protection is available in 10kV and 20kV options.

THERMAL
The Everest Series features an array of High-efficacy LED's mounted on a metal core circuit board. The LED boards are mounted directly to the aluminum housing to provide excellent thermal performance extending the life of electronic components. Operating Ambient Temperature: -20°C to +50°C (-4°F to 122°F).

INSTALLATION
Options include suspension chain, aircraft cables, hook, single pendant (HUB), surface mount (SMZBKIT). Reduced maximum ambient range for surface mount.

CONTROLS
Standalone Controls:
Optional PIR sensors available installed in housing hinged door or end mounted. Sensors provide optional on/off control, High end/low end trim, continuous dimming, daylight harvesting, bi-level dimming, and bluetooth configuration allows for on-site modifications depending on the model chosen. See control page for detailed information.
Wireless Control Systems:
The Everest Series is wireless mesh controls ready with Easy Sense, Enlighted, and Lutron Limelight wireless control platforms. Inquire with factory for more information or for additional controls options, including customer supplied items.

WARRANTY
5 Year Warranty Standard; 10 Year Warranty Optional (Terms and Conditions apply).

CERTIFICATIONS
ETL Listed for damp locations. Tested in accordance with IESNA LM-79 and LM-80 standards. BAA compliant and American Recovery and Reinvestment Act Funding Compliant with BAA option. RoHS Compliant. Title 24 Compliant; see local ordinance for qualification information.

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CONTROLS OPTIONS

BASIC

FIOS
Standard on/off motion sensor. Comes with 360 degree high bay lens, 360 degree low bay lens & aisle lens. 360 degree high bay lens factory installed, unless notified otherwise. Sensor mounted off end cap of fixture. Inquire for mounting on center of driver cover.

FIOSPC
Motion sensor with the addition of photocell control. When installed, fixture will not activate unless 1. motion is detected and 2. light levels are below the preset level. When activated, fixture will turn on to 100% light output & will only shut off when one of the two levels mentioned above are met. If no motion is detected & light levels fall below preset level the fixture remains off. Sensor mounted off end cap of fixture.

FIOSPC/DLH
Factory installed motion sensor with the addition of photocell control that will allow for daylight harvesting. When installed, fixture will not activate unless 1. motion is detected & 2. light levels are below the preset level. When activated, fixture will turn on only enough to meet the preset light levels and will adjust as the amount of light in the space adjusts between 100%-10%. If light levels are adequate the fixture will remain off. Sensor mounted off end cap of fixture.

DHPC
Daylight Harvesting off photocell. Fixtures will continually dim up/down throughout the day based on light level readings taken from the photocell control. Sensor mounted off end cap of fixture.

USBD
User Selectable Bi-Level Dimming. Allows the end user to manually select the unoccupied dimming level. Once motion is detected, the fixture will return to 100% light output. Sensor mounted off end cap of fixture.

BDxx
Factory set Bi-Level Dimming. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied. Example: BD20 sets the fixture to dim down to 20% lumen output when the area is unoccupied. Once motion is detected, the fixture will return to 100% light output. Sensor mounted off end cap of fixture.

BDxxPC
Factory set Bi-Level Dimming with motion and photocell. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied and will not return to 100% light output unless 1. motion is detected and 2.the light level is below the preset level. Example:
BD20PC sets the fixture to dim down to 20% lumen output when the area is unoccupied and will not return to 100% light output unless the above conditions are met for both motion and light level readings. Sensor mounted off end cap of fixture.

ADVANCED

Philips ES/HB
EasySense sensor combines occupancy sensing, daylight harvesting and institutional tuning in one compact solution. This is an ideal control for any high bay application. Each device allows you to turn on/off occupancy and/or
daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time & occupancy time out/hold time. Requires use of EasySense Pre-Programmed Control Device (ES/PCD) & Commissioning IR Blaster (ES/IR); one of each needed per project. (Sold separately). Sensor mounted off end cap of fixture.

Legrand FSP-311
FSP-311 offers fully adjustable high and low dimmed light levels with optional photocell. Hold off setpoint with automatic calibration option. Adjustable time delay and cut off delay. Sensor adjustable programming via iOS® or Android® 'Sensor Configuration' App.Sensor mounted on center driver channel.

Enlighted 5S/CU/IL
Bundled System with Enlighted 5E sensor (SU-5S-H-IL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes ability to group fixtures together and connect to a switch to zone fixtures for group operation. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information. Sensor mounted on center driver channel.

Enlighted 5S/CU/CL
Bundled System with Enlighted 5E sensor (SU-5S-H-CL), Control Unit (CU-4E-FM) & Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy & ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data
analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy & environment. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information. Sensor mounted on center driver channel.

Enlighted 5S/CU/IOT
Bundled System with Enlighted 5E sensor (SU-5S-H-IOT), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by Enlighted Smart Sensors for energy, occupancy & environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Provided factory installed components only. Enlighted system provided by others.Contact factory for more information. Sensor mounted on center driver channel.
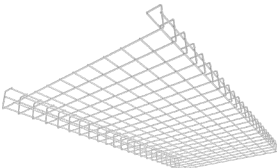
EVEREST
LINEAR HIGH BAY

OPTIONS

CORDx

Cords available in 6ft, 10ft, 12ft & 20ft (Inquire for additional options) Plug options available
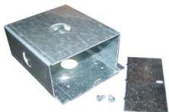
QDCx

Quick Disconnect Cords available in 6ft, 10ft, 12ft & 20ft (Inquire for additional options) Plug options available.

WC

11 GA Wire Cage

FMB

Includes rigid box to attach to the fixture, provides for single point mounting to accept a pendant, hook or conduit hub (sold separately)

HUB 3/4

Conduit Hub ¾" for Pendant Mounting

HOOK

Cast Iron Hook for Single Point Mounting

HB-XX-18Y-PAD

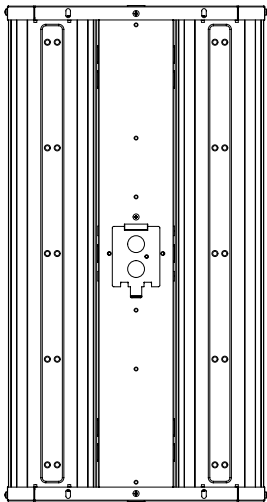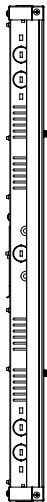Includes 2 adjustable cable hangers. Available in 60", 120", 180" & 240"

SMBZKIT

Surface Mount Bracket Kit provides a 2" space above the fixture

LINE DRAWINGS

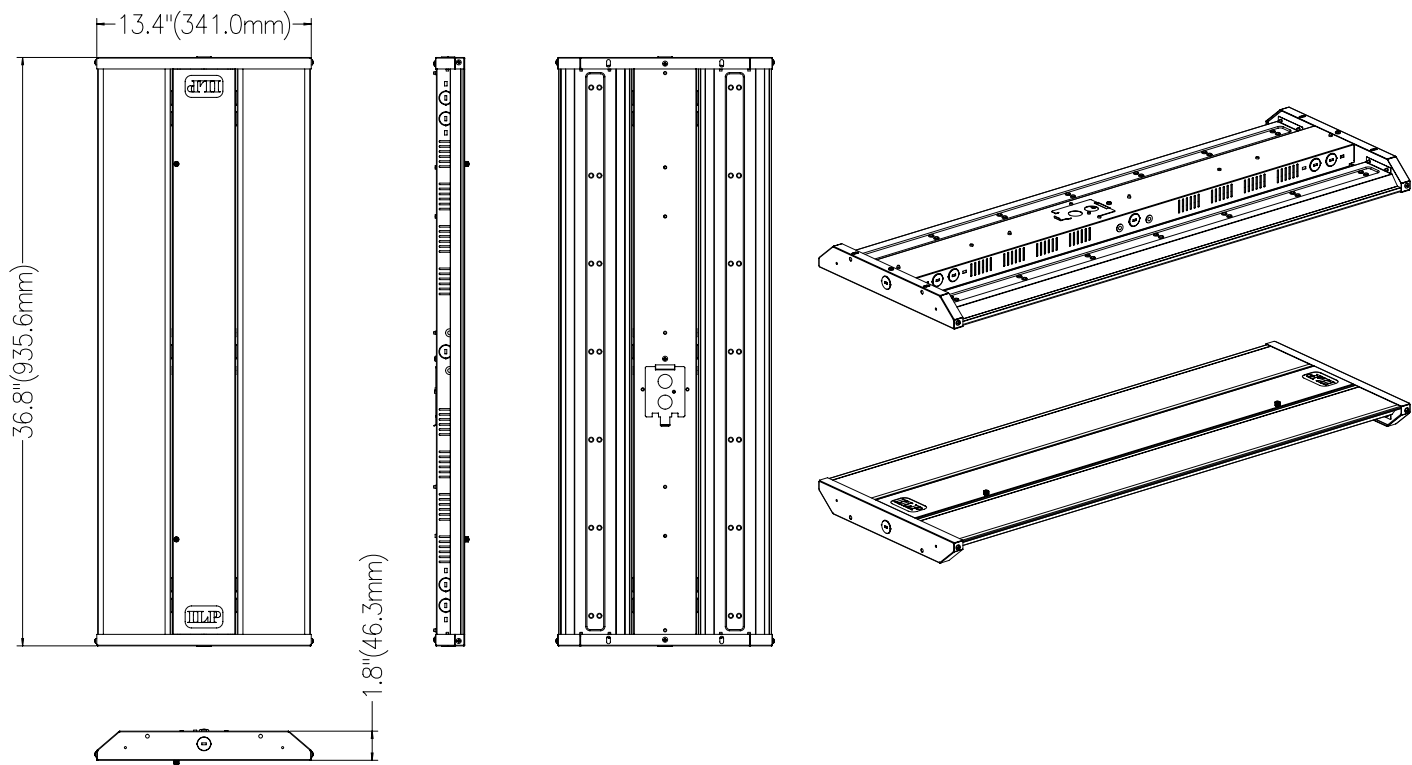**2FT Nominal Length (12L – 30L)**

13.4"(341.0mm)

25.8"(655.6mm)

1.8"(46.3mm)
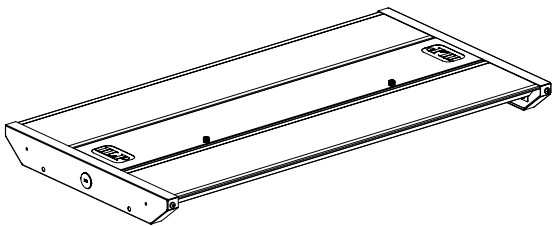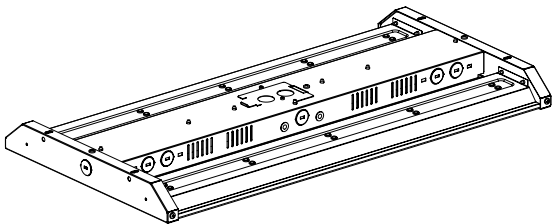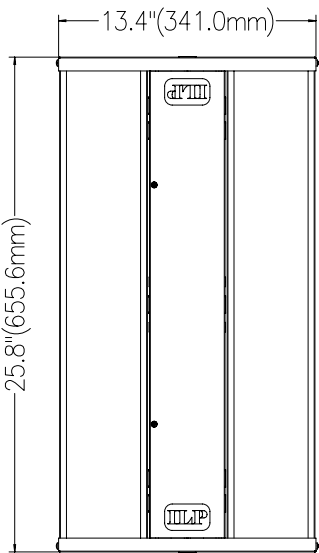
EVEREST
LINEAR HIGH BAY

3FT Nominal Length (36L – 42L)

13.4"(341.0mm)

36.8"(935.6mm)

1.8"(46.3mm)

4FT Nominal Length (56L)

13.4"(341.0mm)

47.9"(1215.6mm)

1.8"(46.3mm)