LUX HIGHline®

LUX dynamics

Extruded aluminum architectural and task lighting LED luminaire for use in applications including, but not limited to subways, parking garages, airports, and office spaces.

Performance

- Lumen output: **Up to 4,550 lumens per foot**
- Efficacy: **Up to 161 Lumens per Watt**
- L_{70} (per TM-21): **72,000 Hours**
- L_{70} (calculated): **147,000 Hours**
- Ambient Temp. Rating: **-40°F to 113°F (-40°C to 45°C)**
  Ambient temperature rating varies for auxiliary components
- Surge Protection: **6kV**
- Driver: **120-277V input, 0-10V Dimming (1% min. optional)**
  347-480V input, 0-10V Dimming (1% min. optional)

Construction

- Extruded 6463 aluminum construction
- Stainless-steel hardware
- Bright dip anodized fixture body

Optics

- Wide 120° beam angle LEDs
- Diffusing lens available in frosted and clear material
- Lens may be acrylic or polycarbonate material

Warranty

- 10-Year Warranty on fixture body
- 5-Year Warranty on electronics
- For special requests, contact factory

Applications

- Office/Commercial
- Education
- Industrial/Task
- Inspection
- Parking Garage
- Natatorium
- Gymnasium
- Cove Lighting

Installation

- Aircraft cable suspension
- Surface mounting
- For special requests, contact factory

Listings and Ratings

- UL 1598 for Dry, Damp, and Wet Locations
- ARRA Compliant (Made in America)
- DLC Listed
- IP55 Rated
- UL EPH Listed - NSF Rated
- Exceeds IK10 impact rating with polycarbonate lenses
- IK10 rating does not apply to acrylic lenses
- 3G Vibration Rated
- ARRA/BAA Compliant
- Conformal coated LED modules for WET locations

MADE IN THE USA · BUY AMERICAN BAA COMPLIANT · ARRA · c UL us · DLC QPL LISTED · IP55 · Natatorium Grade · WET LOCATION · IK10 · VIBRATION RATING 3G · UL LISTED EPH

Example Catalog Number:

HIGH	4	835	U10

	Delivered lumens with 3500K color / WA lens	Other color rendering indexes and color temperatures are available. Consult factory.	Other driver options available. Consult factory.
Series	Length	CRI / CCT	Voltage and Dimming
HIGH	**2** 7,744lm **4-6lm** 6,058lm **4-10lm** 9,707lm **4** 15,488lm **8** 30,976lm	**865** 80CRI 6500K **857** 80CRI 5700K **850** 80CRI 5000K **840** 80CRI 4000K **835** 80CRI 3500K **830** 80CRI 3000K **827** 80CRI 2700K **950** 90CRI 5000K **940** 90CRI 4000K **935** 90CRI 3500K **927** 90CRI 2700K **TW*** Tunable White **RGBW*** RBG with XXX **GREYED** options not stocked and may need additional lead time *Options significantly reduces lumen output, contact Factory for more information	**U10** 120-277V 0-10V dimming 10% min. **U1** 120-277V 0-10V dimming 1% min. **H10** 347-480V 0-10V dimming 10% min. **H1** 347-480V 0-10V dimming 1% min. **DALI** 120-277V DALI control **Dimming curves and other operating characteristics may vary between models**

Some CRI, CCT and other output variations may affect DLC listing; contact LUX for further information.

Options and Accessories

Endcap

HM	Hanger mount
SM	3G rated surface mount
TM	Tandem hanger or surface mount
AIM	Rotatable surface mount bracket

TM and AIM endcaps NOT acceptable for WET locations
TM endcaps mill finish ONLY
HM, SM, and AIM endcaps powdercoat white, contact LUX for options

Lensing

CA	Clear acrylic diffuse lens
CP	Clear polycarbonate diffuse lens
WA	White acrylic diffuse lens (standard)
WP	White polycarbonate diffuse lens

"2", "4", or "8" denotes fixture length

Lumen/Wattage Output

CFO	Custom fixture output (specify custom lumen output or wattage lower than standard)

Emergency

E20RL	20-watt remote battery available, contact LUX for options

Remote Mounting

(leave blank)	Standard integral driver(s)
RMS	Remote mount driver(s) - surface mount enclosure provided
RMC	Remote mount driver(s) - cable mount enclosure provided
RNK	Remote mount driver(s) - no enclosure provided

Restrictions may apply for certain applications, consult Factory
4' enclsoure standard, other enclosure lengths available, consult Factory

Mounting

2Pxx	2-point aircraft cable suspension - hook ends (galvanized)
2PxxS	2-point aircraft cable suspension - hook ends (stainless-steel)
SM	Surface mount, no additional hardware

20' and 30' cable lengths available, contact Factory for details

Cord

(leave blank)	No cord provided	
3/10	3-wire, 10'cord	Standard white
4/10	4-wire, 10'cord	Standard white
5/10	5-wire, 10'cord	Standard white
6/10	6-wire, 10'cord	Standard white

Other cord lengths available as well as multi-circuit wiring and through-wiring options.
Standard 1/2" knockout provided in endcap for cord installation.
1st digit: Number of wires, including ground. Available from 3 through 6.
2nd digit: Overall length, including strips. Available from 10' through 30'.

Finish

(leave blank)	Standard natatorium-grade bright dip anodized aluminum and white powdercoat endcaps, shown on specification sheet
M	Mill finish endcaps, standard bright dip anodized aluminum body
PC	Custom color by powdercoat. Must specify RAL number for endcap finish.
BLKG	Glossy black finish on all components
BLKM	Matte black finish on all components

Custom color anodized aluminum available in 2' configurations, consult Factory.
Nonstandard fixture finishes may reduce delivered lumens, consult Factory for details.

Controls

OC-KO	Knockout-mounted on/off occupancy sensor (120-277V input)
DO-KO	Knockout-mounted daylight harvesting sensor (120-277V input)
OCKH	High Voltage (347/480V) knockout-mounted on/off occupancy sensor, **not installed**
DOKH	High Voltage (347/480V) knockout-mounted high/low/off occupancyand daylight harvesting sensor, **not installed**
Wireless Controls	Multiple wireless control systems available. Contact Factory for options and details

Powerfeed

(leave blank) Power fed through endcap knockout
WB Wire through body, power feed through milled hole in fixture channel

Application (Select all that apply)

WET	Wet location	*(Includes conformal coated LED modules)*
COR*	Caustic and natatorium environments	*(Includes conformal coated LED modules)*
NSF	EPH rated for food-safe applications	
TC	Tennis court	*(Polycarbonate lensing recommended)*
MFG	Manufacturing or industrial	
WHS	Warehousing or storage	
HNG	Hangar	
GYM	Gymnasium or sports court	*(Polycarbonate lensing required)*
AFH	Arena or fieldhouse	*(Polycarbonate lensing recommended)*
ARCH	Architectural	*(White lensing recommended)*
COV	Cove lighting	
ICE	Ice rink	*(Polycarbonate lensing recommended)*
GAR	Garage or canopy	
FRZ	Freezer or cold storage	
BABA	Build America Buy America (BABA) compliant	*(Not all configurations meet BABA, consult Factory)*
DATA	Data entry and server rooms	
SW	Stairwells	

*COR application not suitable for all caustic environments, consult Factory
Lensing required for WET and COR applications
AIM endcap not suitable for WET applications
Consult Factory for cost adders for WET and COR applications

Lensing Multipliers

Lens	
Standard/Nominal = WA Lens	
Lumen Multipliers Compared to "Nominal"	
CA	107.3%
CP	101.2%
WA (nominal)	100.0%
WP	77.5%

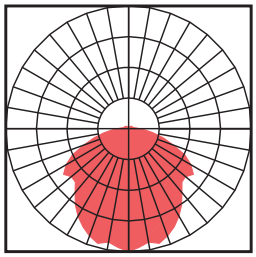
CCT	
Standard/Nominal = 3500K CCT	
Lumen Multipliers Compared to "Nominal"	
6500K	100.0%
5700K	100.0%
5000K	103.2%
4000K	103.9%
3500K (nominal)	100.0%
3000K	95.0%
2700K	90.0%

CRI	
Standard/Nominal = 80 CRI	
Lumen Multipliers Compared to "Nominal"	
80 CRI (nominal)	100.0%
90 CRI Options	
6500K (90 CRI)	84.9%
5700K (90 CRI)	85.2%
5000K (90 CRI)	85.2%
4000K (90 CRI)	85.2%
3500K (90 CRI)	83.5%
3000K (CRI 90)	81.0%
2700K (CRI 90)	76.6%

Optical Distribution Variations

Lensed (CA, CP, WA, or WP)

Achieved using any of our standard lenses

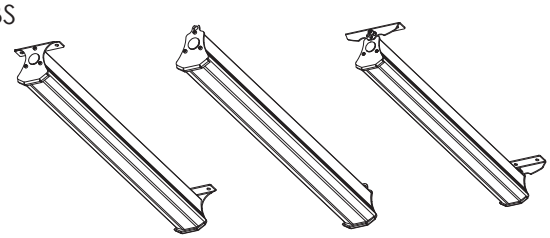


Technical Specifications

Part

HIGH-2-850 (for 5000K), HIGH-2-840 (for 4000K) or **HIGH-2-835 (for 3500K)**

- 23.14"L x 3.75"W x 3.34"H
- Weight: 3 LBS



3500K

HIGH-2-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-2-835-U10-xx-CA	8,309	53.48	155
HIGH-2-835-U10-xx-CP	7,837	53.48	147
HIGH-2-835-U10-xx-WA	7,744	53.48	145
HIGH-2-835-U10-xx-WP	6,006	53.48	112

4000K

HIGH-2-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-2-840-U10-xx-CA	8,631	53.48	161
HIGH-2-840-U10-xx-CP	8,141	53.48	152
HIGH-2-840-U10-xx-WA	8,044	53.48	150
HIGH-2-840-U10-xx-WP	6,239	53.48	117

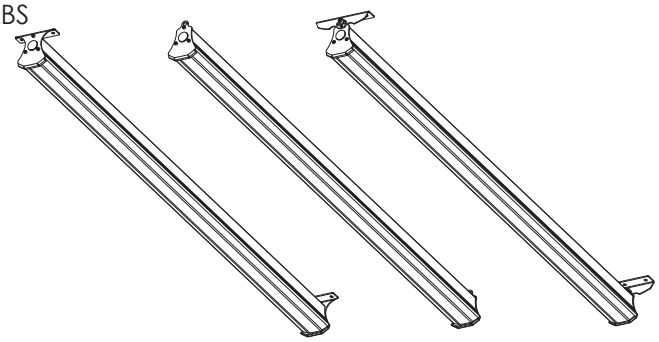
5000K

HIGH-2-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-2-850-U10-xx-CA	8,572	53.48	160
HIGH-2-850-U10-xx-CP	8,085	53.48	151
HIGH-2-850-U10-xx-WA	7,989	53.48	149
HIGH-2-850-U10-xx-WP	6,196	53.48	116

Part

HIGH-4-850 (for 5000K), HIGH-4-840 (for 4000K) or **HIGH-4-835 (for 3500K)**

- 46.20"L x 3.75"W x 3.34"H
- Weight: 6 LBS



3500K

HIGH-4-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-835-U10-xx-CA	16,619	106.96	155
HIGH-4-835-U10-xx-CP	15,674	106.96	147
HIGH-4-835-U10-xx-WA	15,488	106.96	145
HIGH-4-835-U10-xx-WP	12,012	106.96	112

4000K

HIGH-4-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-840-U10-xx-CA	17,263	106.96	161
HIGH-4-840-U10-xx-CP	16,281	106.96	152
HIGH-4-840-U10-xx-WA	16,095	106.96	150
HIGH-4-840-U10-xx-WP	12,477	106.96	117

5000K

HIGH-4-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-850-U10-xx-CA	17,145	106.96	160
HIGH-4-850-U10-xx-CP	16,170	106.96	151
HIGH-4-850-U10-xx-WA	15,978	106.96	149
HIGH-4-850-U10-xx-WP	12,392	106.96	116

Non-Standard Lumen Output

HIGH-4-6lm for 6,000lm approx. or HIGH-4-10lm for 10,000lm approx.

HIGH-4-6lm-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-6lm-835-U10-xx-CA	6,500	38.25	170
HIGH-4-6lm-835-U10-xx-CP	6,128	38.25	160
HIGH-4-6lm-835-U10-xx-WA	6,058	38.25	158
HIGH-4-6lm-835-U10-xx-WP	4,698	38.25	123

3500K

HIGH-4-10lm-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-10lm-835-U10-xx-CA	10,416	62.05	168
HIGH-4-10lm-835-U10-xx-CP	9,820	62.05	158
HIGH-4-10lm-835-U10-xx-WA	9,707	62.05	156
HIGH-4-10lm-835-U10-xx-WP	7,527	62.05	121

HIGH-4-6lm-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-6lm-840-U10-xx-CA	6,752	38.25	177
HIGH-4-6lm-840-U10-xx-CP	6,366	38.25	166
HIGH-4-6lm-840-U10-xx-WA	6,293	38.25	165
HIGH-4-6lm-840-U10-xx-WP	4,880	38.25	128

4000K

HIGH-4-10lm-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-10lm-840-U10-xx-CA	10,819	62.05	174
HIGH-4-10lm-840-U10-xx-CP	10,200	62.05	164
HIGH-4-10lm-840-U10-xx-WA	10,083	62.05	162
HIGH-4-10lm-840-U10-xx-WP	7,819	62.05	126

HIGH-4-6lm-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-6lm-850-U10-xx-CA	6,706	38.25	175
HIGH-4-6lm-850-U10-xx-CP	6,322	38.25	165
HIGH-4-6lm-850-U10-xx-WA	6,250	38.25	163
HIGH-4-6lm-850-U10-xx-WP	4,846	38.25	127

5000K

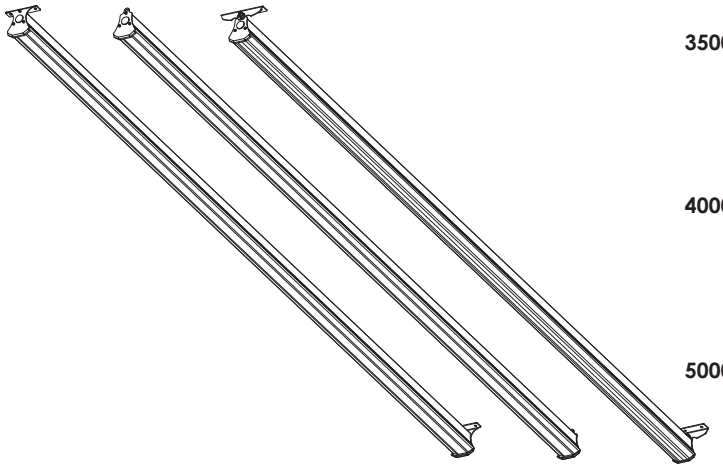
HIGH-4-10lm-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-4-10lm-850-U10-xx-CA	10,745	62.05	173
HIGH-4-10lm-850-U10-xx-CP	10,130	62.05	163
HIGH-4-10lm-850-U10-xx-WA	10,014	62.05	161
HIGH-4-10lm-850-U10-xx-WP	7,766	62.05	125

Technical Specifications Cont.

Part #

HIGH-8-850 (for 5000K), HIGH-8-840 (for 4000K) or **HIGH-8-835 (for 3500K)**

- 91.20"L x 3.75"W x 3.34"H
- Weight: 11 LBS



3500K

HIGH-8-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-8-835-U10-xx-CA	33,238	213.91	155
HIGH-8-835-U10-xx-CP	31,348	213.91	147
HIGH-8-835-U10-xx-WA	30,976	213.91	145
HIGH-8-835-U10-xx-WP	24,025	213.91	112

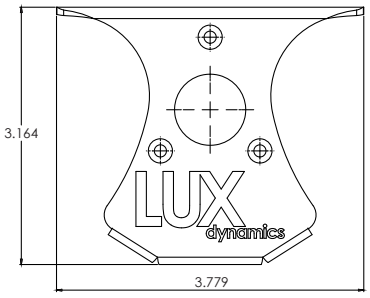
4000K

HIGH-8-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-8-840-U10-xx-CA	34,525	213.91	161
HIGH-8-840-U10-xx-CP	32,562	213.91	152
HIGH-8-840-U10-xx-WA	32,190	213.91	150
HIGH-8-840-U10-xx-WP	24,955	213.91	117

5000K

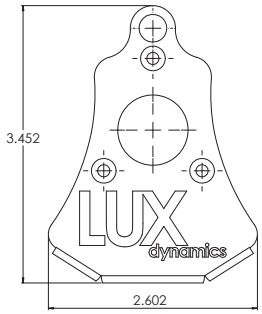
HIGH-8-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
HIGH-8-850-U10-xx-CA	34,289	213.91	160
HIGH-8-850-U10-xx-CP	32,340	213.91	151
HIGH-8-850-U10-xx-WA	31,956	213.91	149
HIGH-8-850-U10-xx-WP	24,785	213.91	116

Endcap Option Details



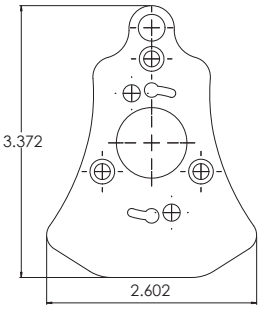
Surface Mount

Surface mount endcap *(surface-mounting hardware provided by others)*



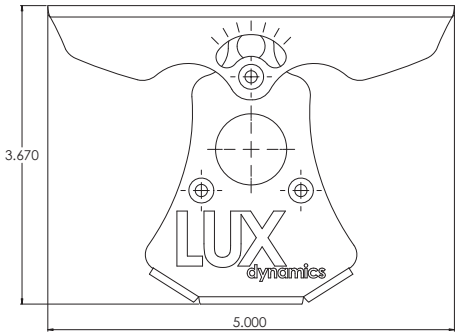
Hanger Mount

2Pxx, 2PxxS: Aircraft cable mounting with snap hooks (xx *denotes cable length)*



Tandem Mount

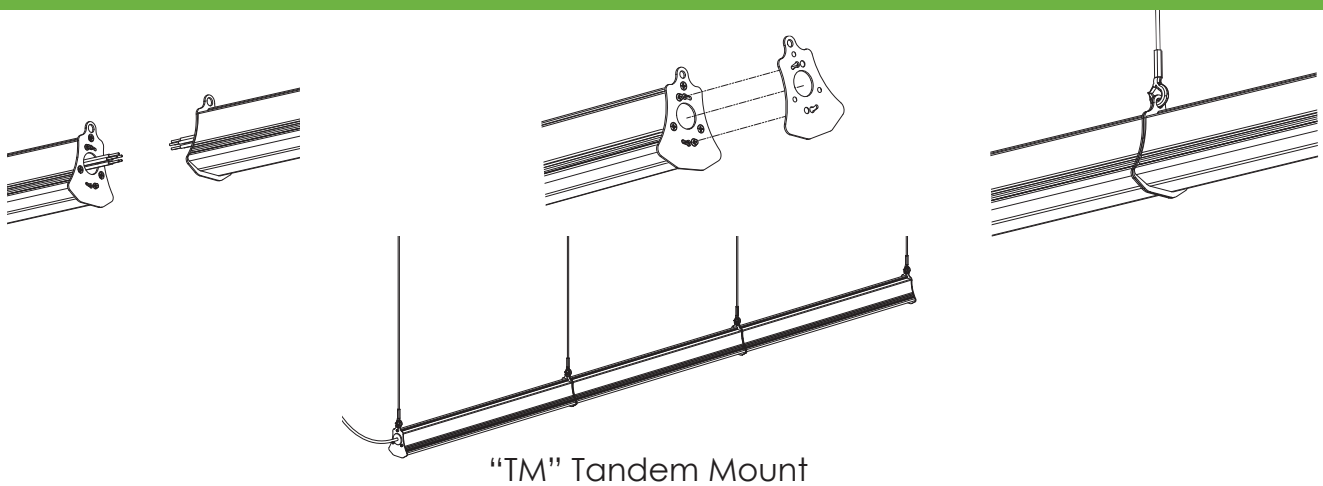
2Pxx, 2PxxS: Aircraft cable mounting with snap hooks (xx *denotes cable length)*



Rotatable Surface Mount

Rotatable surface mount endcap *(surface-mounting hardware provided by others)*

Tandem Mount



"TM" Tandem Mount

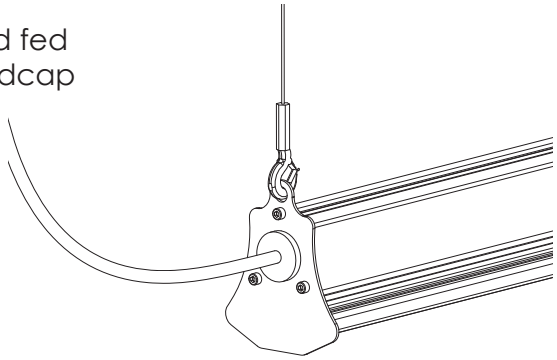
Hanger Mounting

- Consult factory for tandem mounting options
- Near seamless runs of fixtures in 2', 4', and 8' increments
- Tandem-bracket locking mechanism allows for easy installation
- Run length limitations may exist depending on application
- Wire connectors provided to splice tandem fixtures together

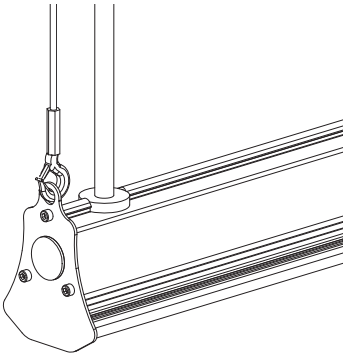
Electrical Connections

Standard Power Feed

Power cord fed through endcap



"WB" Power Feed



Power cord fed through machined hole in electronics channel