LUX BASEline®

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

Performance

- Lumen output: **Up to 3,375 lumens per foot**
- Efficacy: **Up to 162 Lumens per Watt**
- L_{70} (per TM-21): **60,000 Hours**
- L_{70} (calculated): **189,000 Hours**
- Ambient Temp. Rating: **-40°F to 113°F (-40°C to 45°C)**
  Ambient temperature ratings vary with option/adders
- Surge Protection: **2.5kV (6kV optional)**
- Driver ratings: **120-277V input, 0-10V Dimming (1% min. optional)**
  347-480V input, 0-10V Dimming (1% min. optional)

Construction

- Fixture body made from extruded 6463 aluminum
- Stainless-steel hardware
- Bright dip anodized fixture body

Optics

- Wide 120° beam angle LEDs
- Acrylic diffusing lens available in frosted and clear material
- Narrow optic available

Applications

- Office/Commercial
- Education
- Industrial/Task
- Inspection

Installation

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

Listing and Ratings

- UL 1598 for Dry and Damp Locations
- ARRA/BAA Compliant (Made in America)
- DLC Listed

Warranty

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

Example Catalog Number:

BASE	4	835	U10
	Delivered lumens with 3500K color / WA lens		Other driver options available. Consult factory.
Series	Length	CRI / CCT	Voltage and Dimming
BASE	**2-3lm** 3,007lm **2** 5,715lm **4-6lm** 6,014lm **4** 11,430lm **8-6lm** 6,014lm **8-12lm** 12,029lm **8** 22,859lm	**850** 80CRI 5000K **840** 80CRI 4000K **835** 80CRI 3500K	**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. **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 Surface mount
Standard powdercoat white

Lensing

CA Clear acrylic diffuse lens
WA White acrylic diffuse lens
N Narrow optics
"2", "4", or "8" denotes fixture length

Lumen/Wattage Output

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

Emergency

E10 10-watt integral emergency battery
E20RL 20-watt remote mounted emergency battery
Integral batteries available on 4' and 8' models only, contact Factory for details.

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

2P10 2-Point aircraft suspension - hook ends (galvanized)
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 finish 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
DOKH High Voltage (347/480V) knockout-mounted high/low/off occupancyand daylight harvesting sensor
Wireless Controls Multiple wireless control systems available. Contact Factory for options and details

Application (Select all that apply)

GEN General applications *(Not rated for WET, NSF, or high abuse environments)*
MFG Manufacturing or industrial
WHS Warehousing or storage
HNG Hangar
ARCH Architectural *(White lensing recommended)*
GAR Garage or canopy
FRZ Freezer or cold storage
DATA Data entry and server rooms

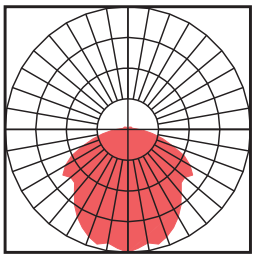
Lumen Multipliers

Lens	
Standard/Nominal = WA Lens	
Lumen Multipliers Compared to "Nominal"	
CA	108.9%
WA (nominal)	100.0%
N	106.9%

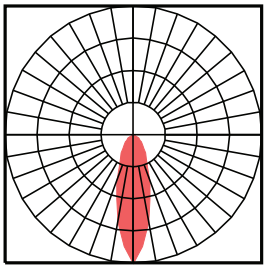
CCT	
Standard/Nominal = 3500K CCT	
Lumen Multipliers Compared to "Nominal"	
3500K (nominal)	100.0%
4000K	103.0%
5000K	103.0%

Optical Distribution

Lensed (CA or WA)
Achieved using either of our standard lenses

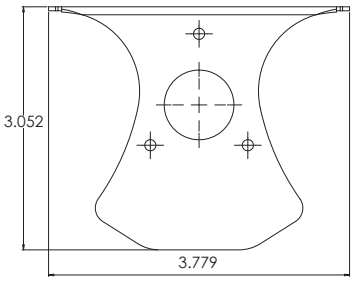


Narrow Optic (N)
Achieved using a molded-acrylic, prismatic optic

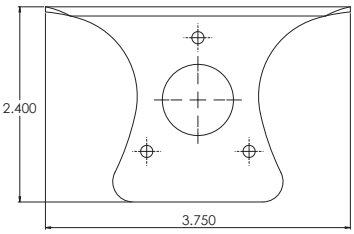


Endcap Option Details

WA/CA Lens

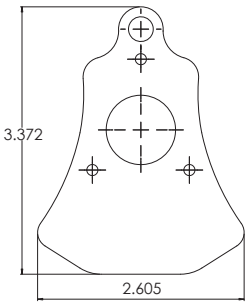


N Optic

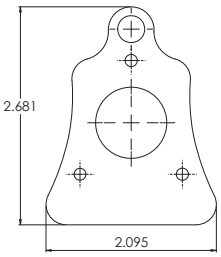


Surface Mount
Surface mount endcap *(surface-mounting hardware provided by others)*

WA/CA Lens



N Optic

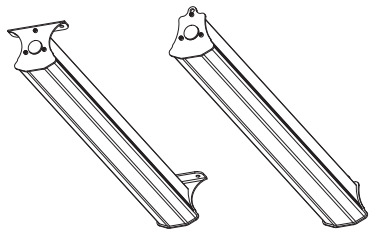


Hanger Mount
2Pxx: Aircraft cable mounting with snap hooks (*xx denotes cable length)*

Technical Specifications
White and Clear Lens Performance

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

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



3500K

BASE-2-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-2-3lm-835-U10-xx-CA	3,274	21	157
BASE-2-835-U10-xx-CA	6,223	42	148
BASE-2-3lm-835-U10-xx-WA	3,007	21	144
BASE-2-835-U10-xx-WA	5,715	42	136

4000K

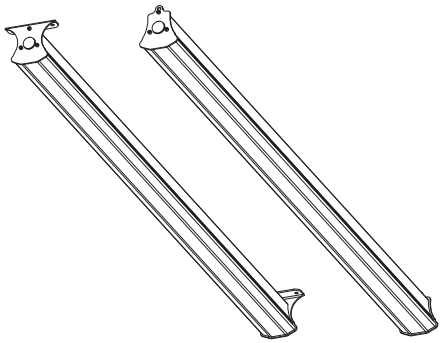
BASE-2-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-2-3lm-840-U10-xx-CA	3,373	21	162
BASE-2-840-U10-xx-CA	6,410	42	153
BASE-2-3lm-840-U10-xx-WA	3,098	21	149
BASE-2-840-U10-xx-WA	5,887	42	140

5000K

BASE-2-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-2-3lm-850-U10-xx-CA	3,373	21	162
BASE-2-850-U10-xx-CA	6,410	42	153
BASE-2-3lm-850-U10-xx-WA	3,098	21	149
BASE-2-850-U10-xx-WA	5,887	42	140

Part
BASE-4-850 (FOR 5000K), BASE-4-840 (for 4000K) or **BASE-4-835 (for 3500K)**

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



3500K

BASE-4-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-4-6lm-835-U10-xx-CA	6,549	42	157
BASE-4-835-U10-xx-CA	12,445	84	148
BASE-4-6lm-835-U10-xx-WA	6,014	42	144
BASE-4-835-U10-xx-WA	11,430	84	136

4000K

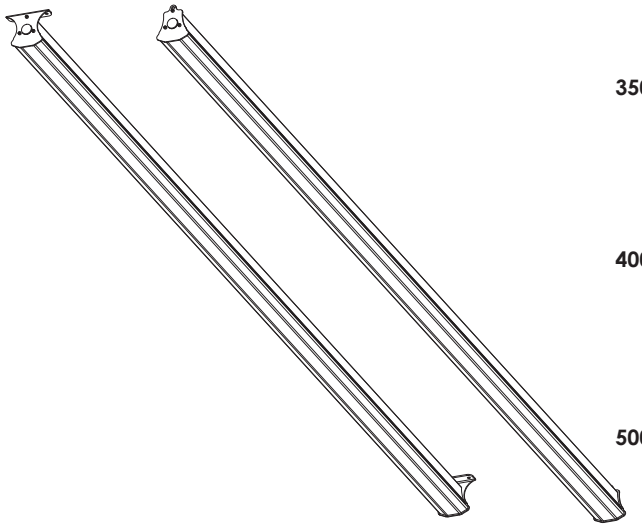
BASE-4-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-4-6lm-840-U10-xx-CA	6,746	42	162
BASE-4-840-U10-xx-CA	12,819	84	153
BASE-4-6lm-840-U10-xx-WA	6,195	42	149
BASE-4-840-U10-xx-WA	11,773	84	140

5000K

BASE-4-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-4-6lm-850-U10-xx-CA	6,746	42	162
BASE-4-850-U10-xx-CA	12,819	84	153
BASE-4-6lm-850-U10-xx-WA	6,195	42	149
BASE-4-850-U10-xx-WA	11,773	84	140

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

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



3500K

BASE-8-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-8-6lm-835-U10-xx-CA	6,549	42	157
BASE-8-12lm-835-U10-xx-CA	13,098	83	157
BASE-8-835-U10-xx-CA	24,891	168	148
BASE-4-6lm-835-U10-xx-WA	6,014	42	144
BASE-8-12lm-835-U10-xx-WA	12,029	83	144
BASE-8-835-U10-xx-WA	22,859	168	136

4000K

BASE-8-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-8-6lm-840-U10-xx-CA	6,746	42	162
BASE-8-12lm-840-U10-xx-CA	13,491	83	162
BASE-8-840-U10-xx-CA	25,639	168	153
BASE-8-6lm-840-U10-xx-WA	6,195	42	149
BASE-8-12lm-840-U10-xx-WA	12,390	83	149
BASE-8-840-U10-xx-WA	23,546	168	140

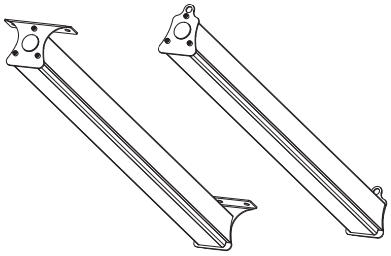
5000K

BASE-8-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-8-6lm-850-U10-xx-CA	6,746	42	162
BASE-8-12lm-850-U10-xx-CA	13,491	83	162
BASE-8-850-U10-xx-CA	25,639	168	153
BASE-8-6lm-850-U10-xx-WA	6,195	42	149
BASE-8-12lm-850-U10-xx-WA	12,390	83	149
BASE-8-850-U10-xx-WA	23,546	168	140

Technical Specifications
Narrow Optic Performance

Part
BASE-2-850-N (for 5000K), BASE-2-840-N (for 4000K) or **BASE-2-835-N (for 3500K)**

- 22.53"L x 3.75"W x 2.40"H
- Weight: 3 LBS



3500K

BASE-2-835 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-2-3lm-835-U10-xx-N	3,215	21	154
BASE-2-835-U10-xx-N	6,109	42	146

4000K

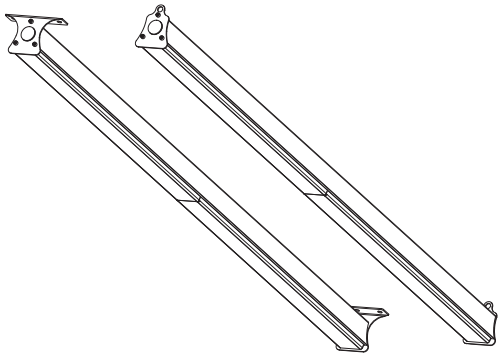
BASE-2-840 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-2-3lm-840-U10-xx-N	3,311	84	39
BASE-2-840-U10-xx-N	6,292	42	151

5000K

BASE-2-850 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-2-3lm-850-U10-xx-N	3,311	84	39
BASE-2-850-U10-xx-N	6,292	42	151

Part
BASE-4-850-N (FOR 5000K), BASE-4-840-N (for 4000K) or **BASE-4-835-N (for 3500K)**

- 44.73"L x 3.75"W x 2.40"H
- Weight: 6 LBS



3500K

BASE-4-835 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-4-6lm-835-U10-xx-N	6,429	42	154
BASE-4-835-U10-xx-N	12,218	84	146

4000K

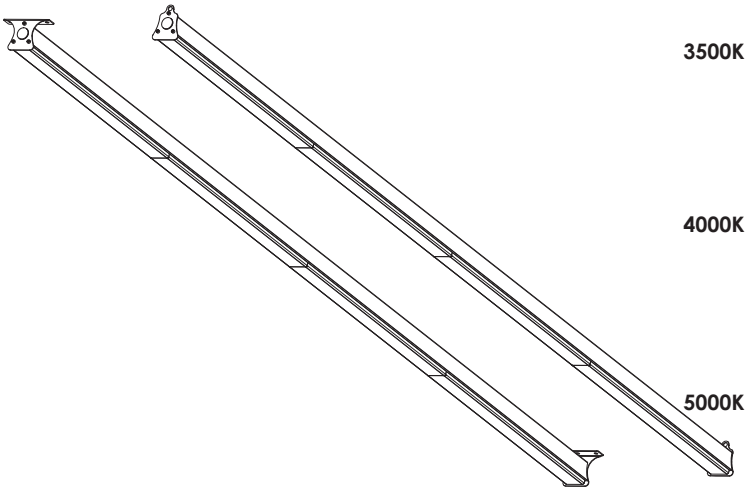
BASE-4-840 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-4-6lm-840-U10-xx-N	6,622	42	159
BASE-4-840-U10-xx-N	12,585	84	150

5000K

BASE-4-850 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-4-6lm-850-U10-xx-N	6,622	42	159
BASE-4-850-U10-xx-N	12,585	84	150

Part
BASE-8-850-N (for 5000K), BASE-8-840-N (for 4000K) or **BASE-8-835-N (for 3500K)**

- 89.13"L x 3.75"W x 2.40"H
- Weight: 11 LBS



3500K

BASE-8-835 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-8-6lm-835-U10-xx-N	6,429	42	154
BASE-8-12lm-835-U10-xx-N	12,858	83	154
BASE-8-835-U10-xx-N	24,436	168	146

4000K

BASE-8-840 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-8-6lm-840-U10-xx-N	6,622	42	159
BASE-8-12lm-840-U10-xx-N	13,244	83	159
BASE-8-840-U10-xx-N	25,170	168	150

5000K

BASE-8-850 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BASE-8-6lm-850-U10-xx-N	6,622	42	159
BASE-8-12lm-850-U10-xx-N	13,244	83	159
BASE-8-850-U10-xx-N	25,170	168	150