LUX BRITEline®

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 4,650 lumens per foot**
- Efficacy: **Up to 145 Lumens per Watt**
- L_{70} (per TM-21): **60,000 Hours**
- L_{70} (calculated): **189,000 Hours**
- Ambient Temp. Rating: **-40°F to 104°F (-40°C to 40°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:

BRITE	4	835	U10

	Delivered lumens with 3500K color / WA lens		Other driver options available. Consult factory.
Series	Length	CRI / CCT	Voltage and Dimming
BRITE	**2** 7,883lm **4** 15,765lm **8** 31,530lm	**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

CAx-HO7	Clear acrylic diffuse lens
WAx-HO7	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 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

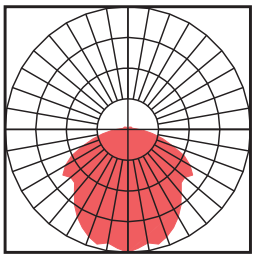
Lumen Multipliers

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

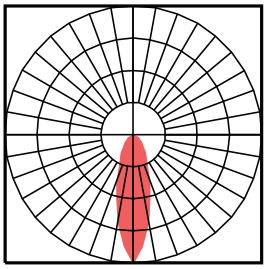
CCT	
Standard/Nominal = 3500K CCT	
Lumen Multipliers Compared to "Nominal"	
3500K (nominal)	100.0%
4000K	103.0%
5000K	103.0%

Optical Distribution

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

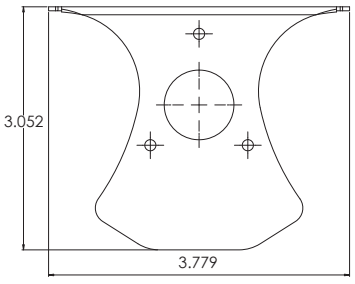


Narrow Optic (N)
Achieved using a molded-acrylic, prismatic optic

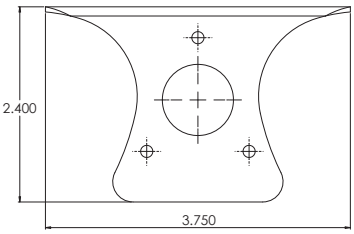


Endcap Option Details

WA/CA Lens

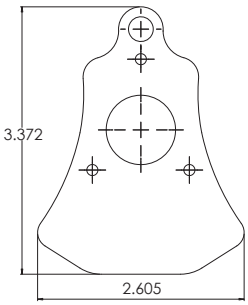


N Optic

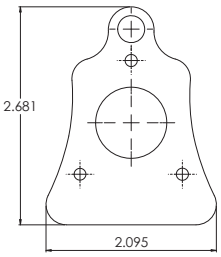


Surface Mount
Surface mount endcap *(surface-mounting hardware provided by others)*

WA/CA Lens



N Optic

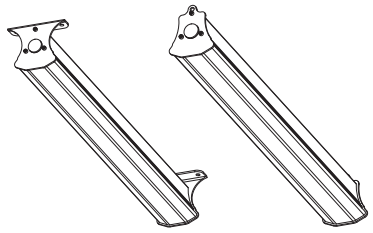


Hanger Mount
2Pxx: Aircraft cable mounting with snap hooks (*xx denotes cable length)*

Technical Specifications
White and Clear Lens Performance

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

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



3500K

BRITE-2-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-2-835-U10-xx-CA2-HO7	8,583	61	141
BRITE-2-835-U10-xx-WA2-HO7	7,883	61	129

4000K

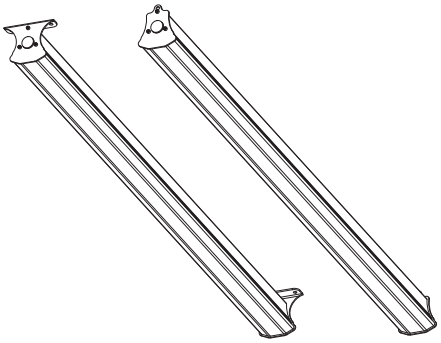
BRITE-2-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-2-840-U10-xx-CA2-HO7	8,846	61	145
BRITE-2-840-U10-xx-WA2-HO7	8,124	61	133

5000K

BRITE-2-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-2-850-U10-xx-CA2-HO7	8,846	61	145
BRITE-2-850-U10-xx-WA2-HO7	8,124	61	133

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

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



3500K

BRITE-4-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-4-835-U10-xx-CA4-HO7	17,166	122	141
BRITE-4-835-U10-xx-WA4-HO7	15,765	122	129

4000K

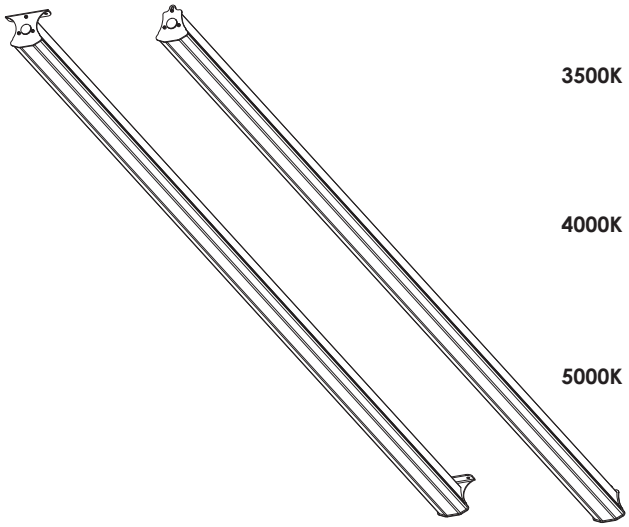
BRITE-4-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-4-840-U10-xx-CA4-HO7	17,691	122	145
BRITE-4-840-U10-xx-WA4-HO7	16,247	122	133

5000K

BRITE-4-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-4-850-U10-xx-CA4-HO7	17,691	122	145
BRITE-4-850-U10-xx-WA4-HO7	16,247	122	133

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

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



3500K

BRITE-8-835			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-8-835-U10-xx-CA8-HO7	34,332	244	141
BRITE-8-835-U10-xx-WA8-HO7	31,530	244	129

4000K

BRITE-8-840			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-8-840-U10-xx-CA8-HO7	35,383	244	145
BRITE-8-840-U10-xx-WA8-HO7	32,495	244	133

5000K

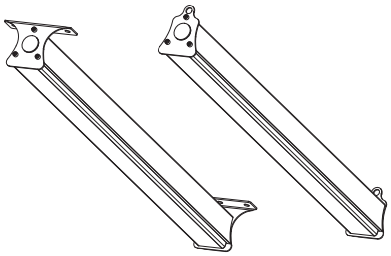
BRITE-8-850			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-8-850-U10-xx-CA8-HO7	35,383	244	145
BRITE-8-850-U10-xx-WA8-HO7	32,495	244	133

Technical Specifications
Narrow Optic Performance

Part

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

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



3500K

BRITE-2-835 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-2-835-U10-xx-N	8,426	61	138

4000K

BRITE-2-840 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-2-840-U10-xx-N	8,684	61	142

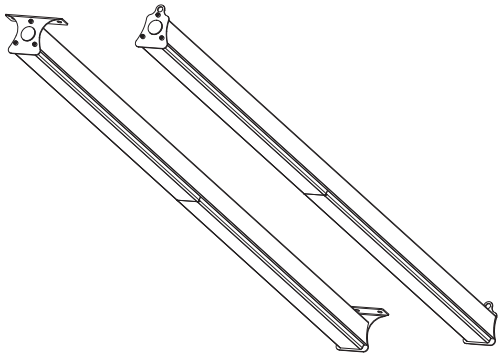
5000K

BRITE-2-850 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-2-850-U10-xx-N	8,684	61	142

Part

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

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



3500K

BRITE-4-835 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-4-835-U10-xx-N	16,852	122	138

4000K

BRITE-4-840 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-4-840-U10-xx-N	17,368	122	142

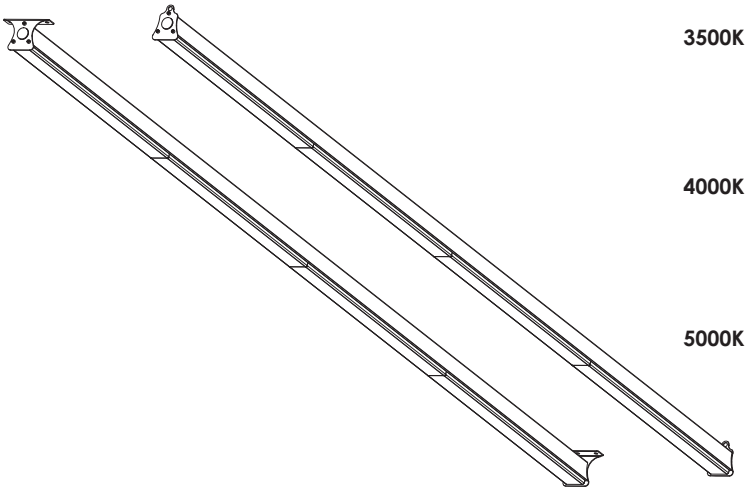
5000K

BRITE-4-850 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-4-850-U10-xx-N	17,368	122	142

Part

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

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



3500K

BRITE-8-835 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-8-835-U10-xx-N	33,705	244	138

4000K

BRITE-8-840 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-8-840-U10-xx-N	34,736	244	142

5000K

BRITE-8-850 with Narrow Optic			
Lens Option	Delivered Lumens	Wattage	Efficacy
BRITE-8-850-U10-xx-N	34,736	244	142