

Lumination® LED Luminaires

LBU Recessed Luminaire with 365DisInFx™ Technology

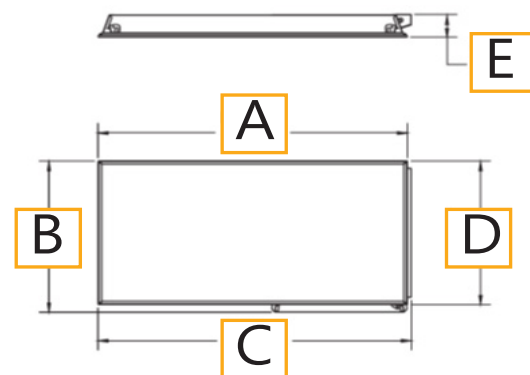
LBU14 Series -Back lit T-Grid, Disinfection Series D-Light



Product Description:

Current's Lumination® LBU Series Recessed LED Luminaires offer a conventional look similar to the LBT Series, but with significantly more capability. In addition to delivering a smooth uniform lit appearance with LED technology, LBU series also provides Current's 365DisInFx™ disinfection lighting technology in areas where both conventional light is needed and people are present. Lab and clinical testing have shown this product has the ability to significantly reduce HAI-causing pathogens including MRSA, bacteriophage MS2, *Staphylococcus aureus*, *Enterococcus faecalis*, *Escherichia coli*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, *Candida albicans* and *auris*.

Product Dimensions:



A = 47.8in (1214mm)
 B = 11.8in (299.7mm)
 C = 48.4in (1229mm)
 D = 10.5in (266.7mm)
 E = 3.8in (96mm)



Technical Summary:

Technology: Current's patented disinfection technology is capable of 1+ log kill of common HAI-causing pathogens with a single 8-hour exposure using in-vitro test methods.

Safety: Product is safe for use in the presence of people for continuous (24h) exposure under IEC photobiological safety standard 62471

Disinfection Light Source: The UV-A LED light source is invisible and abides by relevant industry safety standards (IEC62471). Certain white objects or fabrics may glow slightly under the disinfection light source.

Light Control: The UV-A LED disinfection light source and the white LED light source are controlled independently using hard-wired or wireless controls. The disinfection UV-A light source power has fixed output while the white LED light source is dimmable to 5%

Product Availability:

Product Ordering: At the present time, product can be ordered for general use or clinical trials for those seeking to prove that Current's Patented technology works in their environment.

Clinical Testing: Ideally, a test partner will be led by a principal investigator experienced in hospital infectious diseases who is knowledgeable in developing and running epidemiological studies.

Initiating a Clinical Trial Partnership: Please work with your local GE Current, a Daintree Company sales rep. They will put you in contact with the appropriate technical resources to set up a discussion and review options to develop a plan for a successful trial.

Notes:

- All claims are based upon the proper installation of fixture as detailed in Current's installation guide.
- Luminaires using Current's 365DisInFx™ technology are not intended to be used as medical devices and are not registered as such under any applicable laws.

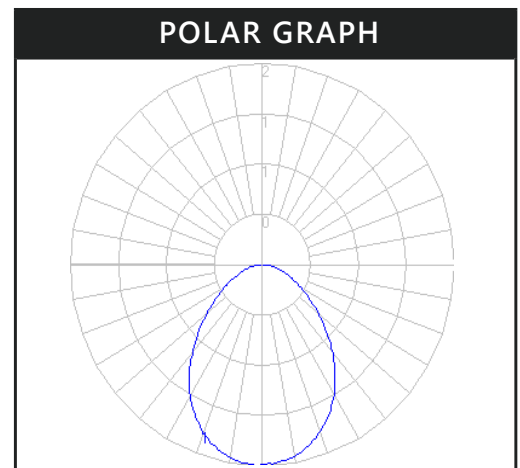
Ordering Number Logic

LBU	14	A	0	XX	MM	AD			VQ	LT	WHAM
FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	UV	CRI/CRT	CONTROLS	MOUNTING	FINISH	
LBU = Lumination Backlit UV	14 = 1' x 4'	A = 1st Generation	0 = 120-277V	20 = 2000 Lumen Level 30 = 3000 Lumen Level 40 = 4000 Lumen Level	MM = Med. Lambertain	AD = Nominal Lumen Level	835 = 80CRI, 3500K 840 = 80CRI, 4000K	VQ = 0-10V Dimming	LT = T-Grid	WHAM = White Antimicrobial Paint	

PRODUCT OFFERING					
PRODUCT CODE	CATLOGIC	CCT	LUMENS CODE	WHITE LED WATTS	UV LED WATTS
93136726	LBU14A020MMAD835VQLTWHAM	3500K	20	16	18
93136727	LBU14A030MMAD835VQLTWHAM	3500K	30	25	18
93136728	LBU14A040MMAD835VQLTWHAM	3500K	40	34	18
93136729	LBU14A020MMAD840VQLTWHAM	4000K	20	16	18
93136730	LBU14A030MMAD840VQLTWHAM	4000K	30	25	18
93136731	LBU14A040MMAD840VQLTWHAM	4000K	40	34	18

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
Drywall mount kit 1' x 4'	GESK09	69068
1' X 4' Surface Mount kit for backlit T-grid	B14 SMK	212464

Photometric Data: Lumination® 1' x 4' LBU14 Series



1 - White + UV-A light ouput

Contact your Sales representative for UV-A photometric data

Product Specifications:

LED & Optical Assembly

CRIa: >80+

R9: >0

Color Consistency: Central limit 4-Step MacAdam Ellipse with LED recipe approach for tight unit to unit color control

Rated Luminaire Lumen Depreciation: L85@50,000 Hours

Electrical

Input Voltage: 120-277 VAC

Input Frequency: 50/60 Hz

System Power Factor (PF): >0.9*

Total Harmonic Distortion (THD): <20%*

LED Driver Type: Class 2

**PF and THD may vary with options*

Ratings & Evaluations

Operating Temperature: -20°C to +25°C

Storage Temperature: -40°C to +70°C

Surge Protection: ANSI C82.77 Compliant

Location: Damp

Safety: UL/cUL Classified

Environmental: Compliant with material restrictions of RoHS

Construction & Finish

Housing: Durable, long lasting construction. Steel, electrogalvanized, powder-coated

Lensing: UV rated, tempered glass diffuser

Paint: Highly reflective white gloss finish

Weight: 20 lbs

Design Life & Warranty:

System Warranty: 5 Year

Driver Design Lifetime: >10 year life of continuous operation, >100,000 hour design parameters

Reliability Testing: Components and systems evaluation

Controls

Standard Dimming: 0-10VDC ANSI C137.x compliant

Minimum Dimming: 5% of rated lumen LED drive current

Optional Dimming: Contact Manufacturer

Wireless Networking and Sensing Device Options*

Daintree Enterprise Wireless enabled **Power Addition for Controls:** <2 watts

**Contact Factory for specific option availability*

Mounting

Typical Mounting: Fits standard T-Bar grid (drop ceilings)

Wiring Access: 1/2" trade-size KO's on a removable access plate provided

T-grid Clips: T-grid clips included on fixture body, with holes for seismic wires

Surface Mounting: Surface mount kit available

Accessories & Options:

Contact your GE Current, a Daintree Company sales representative for available options. For more information and access to all of our resources, including our design tools, visit: www.gecurrent.com