

PRODUCT DATASHEET

LED AB CURVALUME T8 13W 22.5" FP 82 DIM 5CCT

DUALescent™ CURVALUME® U-Bend 5CCT Selectable | CURVALUME U-Bend 5CCT lamps replace fluorescents with ballast or line voltage use



Areas of application

- Office lighting (workplaces, corridors)
- Education
- Grocery
- Warehouses
- Parking garages
- Retail

Product features

- Replace traditional 1-5/8" U-bend fluorescent lamps of 31W, 29W, 24W, 16W
- Single-End (SE) or Double-End (DE) wiring capability
- Selectable CCTs: 3000/3500/4100/5000/6500K
- Beam angle: 145° and Field angle: 300° with frosted nano plastic optics
- CRI > 80
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- No UV emission
- Can be used in enclosed luminaire (with diffuser or lens only, not gasketed)
- UL Type A: Dimmable with 0-10V dimmers and compatible dimming ballasts
- UL Type B: Lamps are dimmable down to 10 % with 120V phase cut dimmers
- Compatible with LEDVANCE EMBB (75740) when operating at UL Type B mode

TECHNICAL DATA

Additional product data

Base type	2G13
Mercury content	0.0 mg
Ordering Abbreviation	LED13T8U1FPDIM8SC12AB
Abbrev. With Packaging Info.	LED13T8U1FPDIM8SC12AB 12/CS 1/SKU
SKU UPC	0046135416491
NAED	41649
Family Brand Name	DUALescent™
General Description	22.5" (Nominal 2-ft) DUALescent™ T8 1-5/8" U-bend. UL Type A and B, Frosted Nano-plastic, 13W, 3000K/3500K/4000K/5000K/6500K CCT Selectable, 82 CRI, 1900/2000 Lumens, 50,000 Hrs Life, Operates on ECG or directly on 120-277V, Single or Double ended wiring, dimmable.

Electrical data

Nominal Wattage	13.00 W
Nominal voltage	120.00...277.00 V
Claimed Equivalent Lamp Pwr	32 W

Photometrical data

Lumens	2000 lm
Efficacy	154
Color Temperature/CCT	3000/3500/4000/5000/6500 K
Color Rendering Index (CRI)	82
Light color	830

Dimensions & Weight

Overall length	574.04 mm
Diameter	1.02 in
Product weight	0.3 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	PLASTICS

Application & Mounting

Dimming	Yes
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Lifespan

Average Rated Life (hr)	50000
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Capabilities

Dimming	Yes
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Certificates & Standards

Certification Listing	RoHS / CSA / FCC / cULus
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Logistical data

SKU Qty	1
Case Qty	12
Case Length (in)	23.425
Case Width (in)	9.055
Case Depth (in)	5.512
Case Cube (ft)	0.677
Case Weight (lbs)	4.746
SKU UPC	0046135416491
Pallet Qty	768

Optional accessories

Product image	Product name	UPC
	EMBB 2A 21W UNV DIM DC	OS75740

Safety advice

- Please read and comply with all instructions, including the installation manual included inside the packaging before attempting installation.
- All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off.
- Lamps should be installed and operated in compliance with the National Electrical Code (NEC), Underwriters Laboratories Inc. (UL) requirements, and all applicable codes and regulations.
- Not for use with ballasts more than ten years old.
- For proper use and warranty coverage, the installer must consult the ballast compatibility list to ensure that the lamp and ballast combination is deemed compatible and will operate as intended.
- IMPORTANT: For all new installations operating as UL Type B, follow the wiring instructions for double-ended wiring (recommended). Approved for Single-ended configuration for existing UL Type B applications previously wired as such. See installation manual for wiring options.
- Ensure lamp holders/sockets are in good operating condition before installation and if any defects are detected, change the lamp holders/sockets.
- Ensure tubes are fully inserted and properly aligned in the lamp holders. Partial insertion can cause poor or intermittent electrical contact, leading to reduced lamp life and potential arcing, which may result in localized overheating.
- For instant start ballasts, use lamp holders with an internal shunt or ensure that lamp holders are wired in a shunt configuration.
- For Programmed Rapid Start ballasts, use rapid-start lamp holders (non-shunted lamp holders).
- De-lamp is not allowed for ISH ballasts.
- For approved ISN and ISL ballasts, de-lamp is allowed for only 1 lamp so long as the ballast factor remains below 1.20 (for example, 4 lamp ballast can de-lamp to 3 lamps).
- Maximum mounting distance between lamp and ballast is 20 feet
- Not for use with other LED or fluorescent lamps on the same ballast.
- Not for use with magnetic ballasts.

- When using DUALescent™ as UL Type B wired directly to line voltage, to conform to UL, you MUST affix the luminaire warning sticker, included inside the packaging, to the fixture during installation. Should you install as UL Type A, please retain the luminaire warning stickers in a safe place for future use, should the ballast fail, and luminaire is converted to UL Type B.
- Best practice when using at UL Type B: cap off the remaining ballast wires should the ballast be left in the fixture after disconnecting.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Do not expose wiring to edges of sheet metal or other sharp objects.
- Make sure the lamps have the proper connections before restoring power.
- When converting a fixture from Type A to Type B and emergency back-up is desired, the installer would also have to change the existing emergency back-up to an inverter type emergency driver or LEDVANCE EMBB 75740.
- EM ballast that operates with fluorescent ballast must be disconnected from the lamp while DUALescent operates in type B mode.
- Suitable for dry and damp locations (cannot come in direct contact with water).

DOWNLOAD DATA

Spec Sheets and Product Documents		Document name
	Installation Guide	Installation Guide - DUALescent™ CURVALUME® 1-5/8" U-bend LED Lamps
	Product Family Spec Sheet	LED608 LEDVANCE Lamps DUALescent™ 5-CCT Selectable 1-5/8" U-bend LED UL Type (A+B) Lamps
Photometric and lighting design files		Document name
	IES file (IES)	IES files DUALescent™ 5-CCT Selectable 1-5/8" U-bend LED UL Type (A+B) Lamps

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.