

PRODUCT DATASHEET

LED AB CCT Select T8 16W 4' FGP 82 3CCT

SYLVANIA DUALescent™ Universal LED T8 3CCT Selectable | Universal DUALescent T8 3CCT lamps replace fluorescents using ballast or line voltage



Areas of application

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

Product features

- Efficacy up to 113 LPW
- Lamps operate on shunted and non-shunted lamp holders thereby reducing installation costs when wired in the double-ended configuration (recommended)
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- Selectable CCT: 3000/4100/5000K
- Beam angle: Linear 240°, U-Bend 170°, Circline 120°
- Linear and U-Bend have glass optics with shatter-resistant PET Coating and Circline are shatter-resistant plastic
- No UV emission
- CRI > 80



TECHNICAL DATA

Additional product data

Base type	G13
Mercury content	0.0 mg
Ordering Abbreviation	LED16T8L48FGP8SC2ABRP2
Abbrev. With Packaging Info.	LED16T8L48FGP8SC2ABRP2 24/CS 2/SKU
SKU UPC	0046135412028
NAED	41202
Family Brand Name	DUALescent™ Universal Hybrid
General Description	4ft LED Universal Hybrid (Type A+B) T8/T12, glass with shatter-resistant PET coating, 16W, 120-277V, 82CRI, 1800lm, 3000K, 4100K, 5000K CCT Selectable, 36000 Hrs life. Retail 2pk.
Warranty	3 years

Electrical data

Nominal Wattage	16.00 W
Nominal voltage	120.00...277.00 V
Claimed Equivalent Lamp Pwr	32 W

Photometrical data

Lumens	1800 lm
Efficacy	113
Color Temperature/CCT	3000/4100/5000 K
Color Rendering Index (CRI)	82
Light color	830

Dimensions & Weight

Overall length	1212.19 mm
Diameter	1.02 in
Product weight	0.44 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	SOFT GLASS

Application & Mounting

Dimming	No
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Temperatures & operating conditions

Ambient temperature range	-15...+45 °C
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Lifespan

Average Rated Life (hr)	36000
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Capabilities

Dimming	No
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Certificates & Standards

Certification Listing	cULus / FCC / RoHS
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Logistical data

SKU Qty	2
Case Qty	24
Case Length (in)	48.625
Case Width (in)	8.250
Case Depth (in)	5.313
Case Cube (ft)	1.233
Case Weight (lbs)	14.648
SKU UPC	0046135412028
Pallet Qty	1,080

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).

- Not for use on dedicated voltage ballasts.
- Maximum mounting distance between lamp and ballast is 20 feet
- Not for use with other LED or fluorescent lamps on the same ballast.
- 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.
- Suitable for dry and damp locations (cannot come in direct contact with water).

DOWNLOAD DATA

Spec Sheets and Product Documents		Document name
	Installation Guide	Universal Hybrid CCT Select
	Product Family Spec Sheet	SYLVANIA DUALescent Universal 3 CCT Selectable LED T8

DISCLAIMER

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