



Item#: **90439**
LED HYBRID LINEAR T8/U6
 DUAL MODE INTERNAL DRIVER
 (UL TYPE A AND TYPE B)

FEATURES

The LED T8 Super Hybrid U6 lamp provides exceptional lighting with reduced energy and maintenance costs. The hybrid tube works with or without a ballast, making it a top-of-the-line replacement for standard fluorescent lamps.

DIRECT WIRE OR PLUG & GO™

Simple rewiring installation allows lamps to run off main or use it with an instant start ballast as a plug and go.

- Thermal fuse - for added safety
- Exceptional efficacy
- Tubes will work with shunted and non-shunted sockets
 (See on Page 2 under Additional Information)

**Not suitable for dimming or emergency ballasts.*

PERFORMANCE DATA

ELECTRICAL

| | LAMP | DLC® SYSTEM POWER |
|---------------------------------|----------|----------------------|
| Wattage | 13W | 16W |
| Voltage | 120-277V | |
| Power Factor | 0.9 | |
| Total Harmonic Distortion (THD) | 20 | |

LIGHTING PERFORMANCE

| | | |
|--|---------|--------------|
| Lumens | 1950 | |
| Lumens Per Watt (Lm/W) | 122 | |
| Color Temperature (CCT) | 3500K | |
| Color Rendering (CRI) | 83 | |
| R9 (Red Value) | 1 | |
| R13 (Skin Tones) | -- | |
| Beam Angle | 160° | |
| Light Distribution | Type VS | |
| BUG Rating (Backlight, Uplight, and Glare) | 2 Lamp | B1 - U2 - G1 |
| Dimmable Lighting Control | | |

ENVIRONMENT

| | | |
|---------------------------|-------------|--|
| Operating Temperature | -4° ~ 113°F | |
| Suitable Location | DAMP | |
| Ingress Protection Rating | IP20 | |
| Suitable Fixture Type | Enclosed | |

LIFESPAN

| | | |
|----------------------|----------|--|
| Average Life (Hours) | 50,000 | |
| Warranty (Years) | 5 | |

COMPONENTS

| | | |
|------------------|-------------------|--|
| LED Light Source | Samsung SPMWH1228 | |
|------------------|-------------------|--|

CONSTRUCTION

| | | |
|---------------------|-----------------------|--|
| Housing | PC / Plastic End Caps | |
| Lens | Frosted | |
| Base / Power Supply | G13 - Medium Bi Pin | |

QUALIFICATIONS



Visit www.designlights.org/search to confirm qualification. • DLC lists the wattage of the system power. • Published lumens on LED products are approximate and may vary slightly. • Specifications are subject to change without notice.

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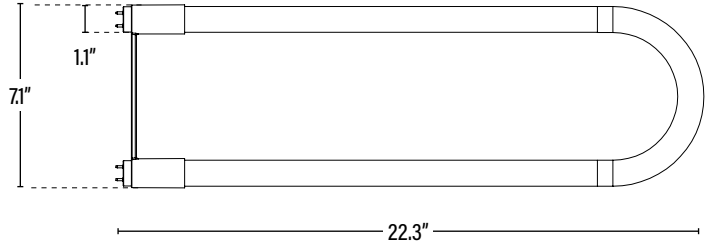
ITEM INFORMATION

DIMENSIONS (Inches)

| | |
|----------------------|-------|
| Length (MOL) | 22.3" |
| Width/Diameter (MOD) | 7.1" |
| Net Weight (Lbs) | -- |

SUPPORTING DOCUMENTS (Grey = not available at this time.)

| | |
|----------------------------|------|
| Product Sheet | VIEW |
| Install Instructions | VIEW |
| Ballast Compatibility | VIEW |
| IES Download from Web Item | VIEW |
| LM79 | VIEW |
| LM80 | VIEW |



PACKAGING

| | | UPC | DIMENSIONS (LxWxH) | GROSS WEIGHT (Lbs) |
|-------------------|--------------|----------------|----------------------|--------------------|
| Master Carton | 12 | 10899645001568 | 24.4" x 15.2" x 8.3" | 10.8 |
| Individual Box | 1 | 899645001561 | 23" x 7.2" x 1.1" | 0.9 |
| Country of Origin | China | | | |
| HS Tariff | 8539.50.0010 | | | |

ORDERING

| ITEM# | DESCRIPTION | CASE |
|-------|--|------|
| 90439 | LED 13WT8/U6/35K/FR/SUPER HYBRID - SUPERIOR LIFE® DLC® | 12 |

ADDITIONAL INFORMATION:

Family Item(s): 90440/4000K - 90441/5000K

- In direct wire application; shunted sockets use double ended wiring only and non-shunted can use either single or double ended wiring. Please refer to install instructions for further details.