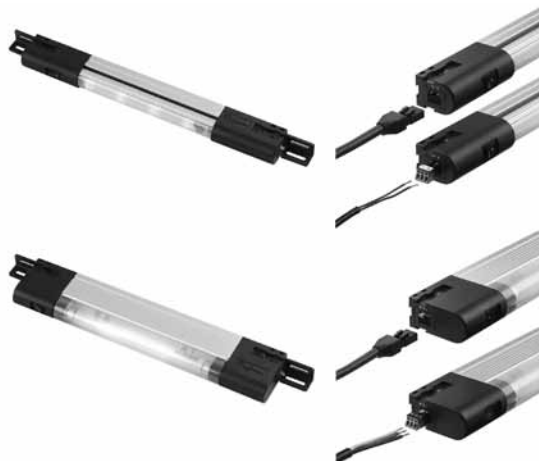


## PANELITE™ ENCLOSURE LIGHTS OVERVIEW



### INDUSTRY STANDARDS

#### PANELITE LED and Fluorescent Enclosure Lights

UL 508A Component Recognized; File No. E61997  
cUL Component Recognized per CSA C22.2 No 14; File No. E61997

CSA File No. 42186  
Maintains UL/CSA Type 4, 4X and 12 enclosure rating when properly installed in a Hoffman enclosure.

#### 230 VAC Fluorescent Enclosure Light

UL 508A Component Recognized; File No. E234324  
cUL Component Recognized per CSA C22.2 No 14; File No. E234324

CE

#### LED Light

UL 508A Component Recognized; File No. E234324  
cUL Component Recognized per CSA C22.2 No 14; File No. E234324

CE

Ingress protection : IP 20

*Maintains enclosure type rating up to 4X when installed per instructions*

### APPLICATION

Versatile, slim-profile LED and fluorescent lights provide mounting flexibility and are easy to install in any enclosure. Terminal blocks allow for easy wiring. Accessories include ganging cables, power cords and door switches, all provided with plug-and-play connectors for easy connection to the terminal blocks with an innovative terminal connection system. LED version provides superior lighting performance with minimal power consumption.

### FEATURES

- Slim profile allows light to be tucked up out of the way for easy panel installation
- Versatile mounting allows the light to be positioned horizontally or vertically; two-way mounting provides for ideal orientation
- Includes mounting hardware for the following enclosure installations: PROLINE™ Frame, Enclosure Top, Panel Mount and Unistrut
- On/off switch incorporated in light; optional remote door switch accessory available to activate light when enclosure door is opened (230 VAC Fluorescent Enclosure Light has switch or door-activated sensor)

#### PANELITE Only:

- Mounting tabs provide easy access point for attachment hardware; light does not need to be disassembled for installation
- Up to five lights can be daisy-chained together
- Plug-and-play terminal connection system:
  - Pre-wired connection sockets on both ends of light allow use of Hoffman cable accessories
  - Optional terminal blocks snap into the connection sockets allowing customers to use own wiring methods; two terminal blocks provided with each light kit
  - Power supply can be wired manually with Hoffman PANELITE Power Cable with Leads or with Hoffman optional PANELITE Power Cord
  - Ganging cables are available in 2-, 4- and 6-ft. lengths to easily join up to five lights together using one power supply
  - Remote door switch for easy door activation eliminates need to mount light in the exact location required to activate the light

#### LED Light Only:

- Mechanical screw- or magnetic mount (non-slip rubberized)
- Protection Class II (double insulated)
- Operating temperature -22 F to 140 F (-30 C to 60 C)
- On / Off or motion-sensor activation
- LED lights with 900 LM illumination; 120° angle of illumination
- Low, 5-watt power requirement
- Light-weight, all-composite construction
- Input and output connectors included with light (16 AWG)

### SPECIFICATIONS

#### PANELITE:

- Extruded aluminum center support
- Black composite end caps
- Black composite mounting tabs
- Each light fixture includes two mounting tabs, two pre-wired connection sockets, two optional terminal blocks that snap into the connection sockets and enclosure attachment hardware (bulb not included with fluorescent light)

#### 230 VAC Fluorescent Enclosure Light:

- Light gray composite construction – UL 94V-0 material
- Hardware kit provides fasteners to mount to PROLINE, NEMA (4, 4X, 12, and 13), CONCEPT™, FUSION™ and other cabinets
- Easy-access terminal block that accommodates up to 16 AWG wires
- Fluorescent light bulb included (2G7 Base)

#### LED Light:

- LED (Light Emitting Diode) low-power light kit
- Screw mounting using included hardware kit (maintains enclosure rating up to UL Type 4X)
- No user-serviceable parts
- Life expectancy of 60,000 hours at 68 F (20 C) under specifications
- Operating temperature: -22 to +140 F (-30 to +60 C) under specifications
- 5-watt power consumption
- Transparent, composite construction

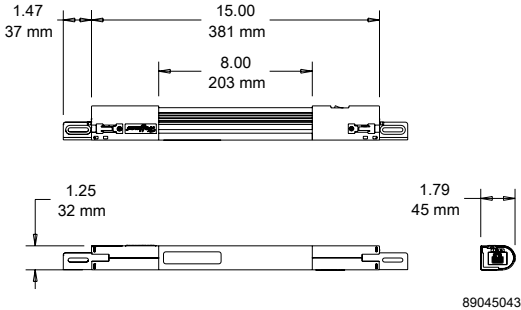
PANELITE™ LED ENCLOSURE LIGHT



- 24 VDC operation for superior lighting performance with minimal power consumption
- 140-degree cone angle casts a broad covering of neutral light
- Center section rotates 120 degrees to re-direct light where needed
- Long life; 70 percent of initial luminance at 50,000 hours (at 25 C)
- High power LED emitters produce 470 Lumens for superior lighting performance; provides up to 50 percent more usable light than comparable length fluorescent lights
- Can be wired using optional PANELITE Cable Accessories or can be hard-wired with terminal blocks included in hardware kit
- Up to five lights can be daisy-chained together using hard-wired connection to power supply or catalog number LPC72 power cable with leads

BULLETIN: A80LT

| Catalog Number | Description       | VDC | Amps | W<br>in./mm  | X<br>in./mm |
|----------------|-------------------|-----|------|--------------|-------------|
| LED24V15       | LED Light, 15 in. | 24  | .5   | 15.00<br>381 | 8.00<br>203 |

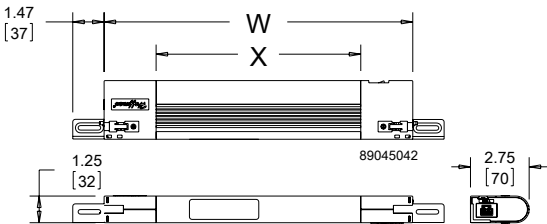


PANELITE™ FLUORESCENT ENCLOSURE LIGHT



- 120 VAC, 50/60 Hz operation
- Can be wired using optional PANELITE™ Cable Accessories or can be hard-wired with terminal blocks included in hardware kit
- Available in 15-, 18- and 28-in. lengths with ability to daisy chain up to five lights together using one power supply
- Fluorescent bulb not included

BULLETIN: A80LT



| Catalog Number | Description               | VAC | Hz    | Amps | W<br>in./mm  | X<br>in./mm  | Bulb<br>(purchase<br>separately) | Replacement<br>Lens Cover |
|----------------|---------------------------|-----|-------|------|--------------|--------------|----------------------------------|---------------------------|
| LF120V15       | Fluorescent Light, 15 in. | 120 | 50/60 | .13  | 14.50<br>368 | 9.63<br>245  | F6T5                             | LFL15                     |
| LF120V18       | Fluorescent Light, 18 in. | 120 | 50/60 | .13  | 17.50<br>445 | 12.63<br>321 | F8T5                             | LFL18                     |
| LF120V28       | Fluorescent Light, 28 in. | 120 | 50/60 | .26  | 27.75<br>705 | 22.88<br>581 | F14T5                            | LFL28                     |

## PANELITE™ POWER CORDS



- Connects light to standard North American wall socket
- LF120VCORD is for 120 VAC Fluorescent lights (up to five lights can be daisy chained together using one power cord)
- LED24VCORD is for 24 VDC LED lights and includes a transformer to convert 100-240 VAC power supply (capable of powering only one LED light)
- Plugs directly into a connection socket on switch end of the light
- Includes one cable

*Power cord not required. Terminal blocks are provided with each light for wired connection to electric supply.*

**BULLETIN: A80LT**

| Catalog Number | Description                  | Length |
|----------------|------------------------------|--------|
| LF120VCORD     | Fluorescent Light Power Cord | 72 in. |
| LED24VCORD     | LED Light Power Cord         | 60 in. |

## PANELITE™ POWER CABLE WITH LEADS



- 72-in. power cord provides convenient connection to an electrical supply
  - Eliminates need to run and tag individual wires into the light
  - Compatible with PANELITE™ LED and Fluorescent lights
  - Plugs directly into connection socket on switch end of the light
  - Includes one 16 AWG cable, black
- Power Cable not required. Terminal blocks are provided with each light for wired connection to electric supply.*

**BULLETIN: A80LT**

| Catalog Number | Length |
|----------------|--------|
| LPC72          | 72 in. |

## PANELITE™ GANGING CABLES



- Ganging Cables provide convenient method for joining up to five lights together while utilizing one power supply
  - Available in 24-, 48- and 72-in. lengths
  - Plugs directly into connection socket on either end of the light
  - Compatible with PANELITE™ LED and Fluorescent lights
  - Includes one 16 AWG cable, black
- Ganging Cables not required. Terminal blocks are provided with each light for hard-wired connections.*

**BULLETIN: A80LT**

| Catalog Number | Length |
|----------------|--------|
| LGCABLE24      | 24 in. |
| LGCABLE48      | 48 in. |
| LGCABLE72      | 72 in. |

## PANELITE™ DOOR SWITCH CABLE



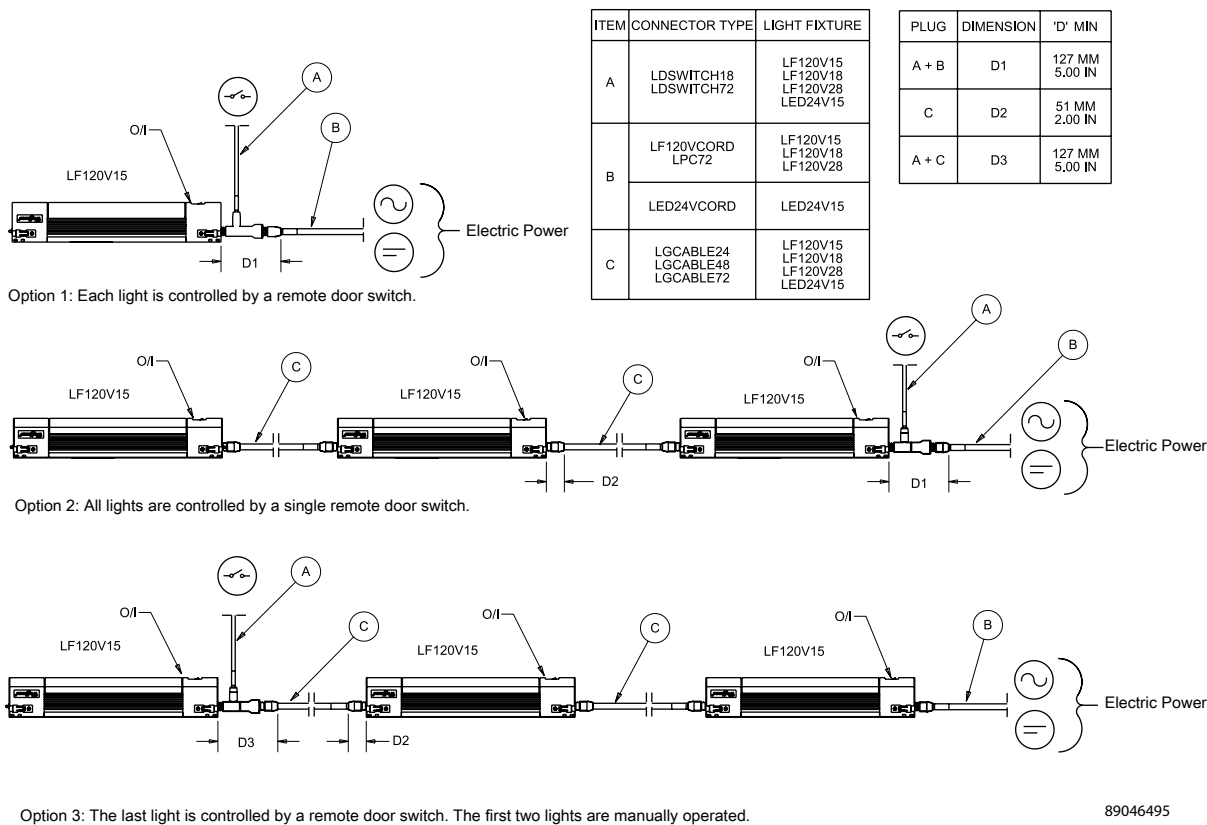
- Easily connects PANELITE™ LED or Fluorescent Light to a Remote Door Switch
  - T-connector allows the Door Switch Cable to be connected with a ganging cable or power supply to the switch end of the light
  - Available in 18- and 72-in. lengths
  - Includes one 18 AWG cable, black
- Door Switch Cables not required. Terminal blocks are provided with each light for hard-wired connection to remote door switch.*

**BULLETIN: A80LT**

| Catalog Number | Length |
|----------------|--------|
| LDSWITCH18     | 18 in. |
| LDSWITCH72     | 72 in. |

PANELITE™ WIRING OPTIONS

See the table on the drawing for cable clearance dimensions.



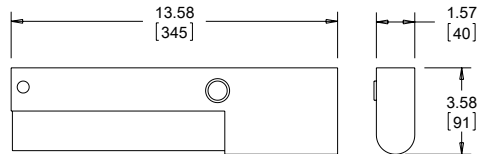
230 VAC FLUORESCENT ENCLOSURE LIGHT



- 230 VAC, 50/60 Hz operation with electronic ballast
- Compact light-gray plastic housing, UL 94V-0
- Easy access to wiring terminals, integral strain relief, 16 AWG max.
- Versatile mounting to many enclosure types
- Complete assembly, long-life fluorescent bulb included, Luminosity 900 LM
- Switch and Door motion sensor offering

BULLETIN: A80LT

| Catalog Number | AxBxC in./mm                         | Description                         |
|----------------|--------------------------------------|-------------------------------------|
| LF230VM        | 1.57 x 13.58 x 3.58<br>40 x 345 x 91 | Light Kit, 230VAC, Manual switch    |
| LF230VD        | 1.57 x 13.58 x 3.58<br>40 x 345 x 91 | Light Kit, 230VAC, IR Motion Sensor |



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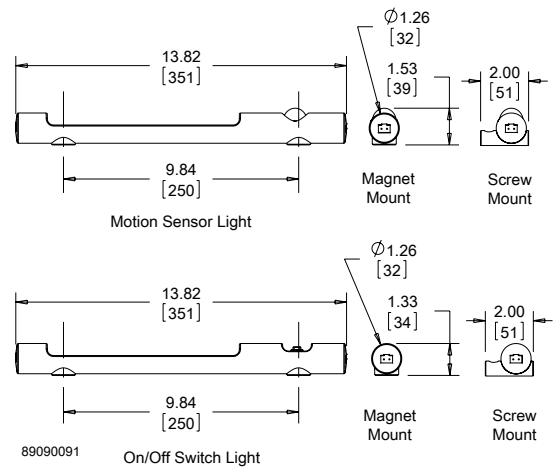
## LED LIGHT KIT



LED light kits provide interior enclosure lighting. These light kits are ideal for remote and darkened enclosure applications. The light can be mechanically fastened with included hardware to maintain enclosure UL listing (up to Type 4X), or can be magnetically attached to flat steel surfaces. The lights have auto-sensing circuitry (AC voltage 90 VAC to 260 VAC and DC voltage 20 VDC to 60 VDC). LED lights are light-weight and in a small form factor while providing 900 LM of 6500K light. Power consumption for all models is 5 watts.

### BULLETIN: A80LT

| Catalog Number | AxBxC in./mm                         | Weight (oz) | Weight (gm) | Mounting Style | Power Source | Activation       | Voltage        |
|----------------|--------------------------------------|-------------|-------------|----------------|--------------|------------------|----------------|
| LEDA1M35       | 1.34 x 1.26 x 13.82<br>34 x 32 x 351 | 4.8         | 135         | Magnetic       | AC           | On/off switch    | 90 VAC-260 VAC |
| LEDA2M35       | 1.54 x 1.26 x 13.82<br>39 x 32 x 351 | 5.0         | 140         | Magnetic       | AC           | IR Motion Sensor | 90 VAC-260 VAC |
| LEDA1S35       | 1.42 x 2.05 x 13.82<br>36 x 52 x 351 | 4.8         | 135         | Screw          | AC           | On/off switch    | 90 VAC-260 VAC |
| LEDA2S35       | 1.63 x 2.05 x 13.82<br>41 x 52 x 351 | 5.0         | 140         | Screw          | AC           | IR Motion Sensor | 90 VAC-260 VAC |
| LEDD1M35       | 1.34 x 1.26 x 13.82<br>34 x 32 x 351 | 4.8         | 135         | Magnetic       | DC           | On/off switch    | 20 VDC-60 VDC  |
| LEDD2M35       | 1.54 x 1.26 x 13.82<br>39 x 32 x 351 | 5.0         | 140         | Magnetic       | DC           | IR Motion Sensor | 20 VDC-60 VDC  |
| LEDD1S35       | 1.42 x 2.05 x 13.82<br>36 x 52 x 351 | 4.8         | 135         | Screw          | DC           | On/off switch    | 20 VDC-60 VDC  |
| LEDD2S35       | 1.63 x 2.05 x 13.82<br>41 x 52 x 351 | 5.0         | 140         | Screw          | DC           | IR Motion Sensor | 20 VDC-60 VDC  |



## LED LIGHT INPUT CONNECTOR/CABLE ASSEMBLY



The input connector/cable assembly is used to provide supply power to the LED light. Pre-assembled connector/cable assembly with

78.7-in. (2000 mm) long cable whip. Cables are constructed of 16 AWG copper wire.

### BULLETIN: A80LT

| Catalog Number | A in./mm      | Power Source | Use with      |
|----------------|---------------|--------------|---------------|
| LEDA20C        | 78.74<br>2000 | AC           | AC LED Lights |
| LEDD20C        | 78.74<br>2000 | DC           | DC LED Lights |

## LED LIGHT EXTENSION CONNECTOR/CABLE ASSEMBLY



The extension connector/cable assembly is used to connect adjacent LED lights (daisy chain). Up to 10 LED lights can be ganged or connected in series. Pre-assembled connector/cable assembly with 39.4-in. (1000 mm) long cable between input and output connectors. Cables are constructed of 16 AWG copper wire.

### BULLETIN: A80LT

| Catalog Number | A in./mm      | Power Source | Use with      |
|----------------|---------------|--------------|---------------|
| LEDA10E        | 39.37<br>1000 | AC           | AC LED Lights |
| LEDD10E        | 39.37<br>1000 | DC           | DC LED Lights |

REMOTE DOOR SWITCHES



- Remote door switch activates the light when the enclosure door is opened
- Mounts on enclosure frame and includes mounting hardware
- Mounting plate is 14 gauge steel with a plated finish
- Can be hard-wired to the PANELITE LED or Fluorescent light or connected via the PANELITE Door Switch Cable

BULLETIN: A80LT, P20

| Catalog Number | Description                                                           |
|----------------|-----------------------------------------------------------------------|
| ALFSWD         | Door switch assembly (order connection cable separately)              |
| PLFSWD         | Door switch assembly for PROLINE™ (order connection cable separately) |

TOUCH-SAFE UL LIGHT SWITCH



APPLICATION

The Touch-Safe light switch is designed to be used with Hoffman™ light kits (AC and DC). It provides a UL listed touch-safe switch that can be used on many enclosure types and includes hardware for most applications. The light switch maintains enclosure overall rating up to UL 508A Type 4X or 12.

FEATURES

- UL listed for a touch-safe wire connection
- Easily mounted to various enclosure types; common bracket and hardware included for many enclosure types (NEMA, CONCEPT™ / FUSION™ G7, PROLINE™, Freestanding Type 12)
- Cable PG compression hub
- Wide operating temperature range: -49°F to +158°F [-45°C to 70°C]
- Rugged die-cast anodized zinc construction
- Connection 3 cage clamps for solid and stranded wire AWG 20-14 (0.5-2.5mm²)
- Protection class I (grounded)

BULLETIN: A80LT

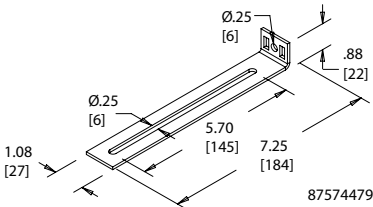
| Catalog Number | Max. Cable Dia. | Max. Voltage   |
|----------------|-----------------|----------------|
| LDSWITCH       | .375 in.        | 250 AC / 48 DC |

MOUNTING BRACKET KIT FOR LIGHT PACKAGE

Kit simplifies mounting light package in Hoffman PROLINE™ disconnect enclosures. Includes brackets, all mounting hardware and complete instructions.

BULLETIN: A80LT

| Catalog Number | Description          |
|----------------|----------------------|
| PDLFBRKT       | Mounting Bracket Kit |



LED PUCK LIGHT



The LED Puck Light is ideal for remote and darkened applications. This versatile light provides mounting flexibility; it can be magnetically attached to flat steel surfaces or can be hung with a swivel hook. This small form factor, light-weight LED light provides superior lighting performance with minimal power consumption. It can be used as a three-LED flashlight or as a 24-LED work light with operating temperature of 40 F to 120 F (4 C to 48 C). An on/off switch is incorporated in the light and three AAA batteries are included.

BULLETIN: A80LT

| Catalog Number | AxBxC in./mm                       | Product Weight |
|----------------|------------------------------------|----------------|
| LEDPUCK        | 2.25 x 3.75 x 1.38<br>57 x 95 x 35 | 0.22 lbs.      |

