CURRIE lum™

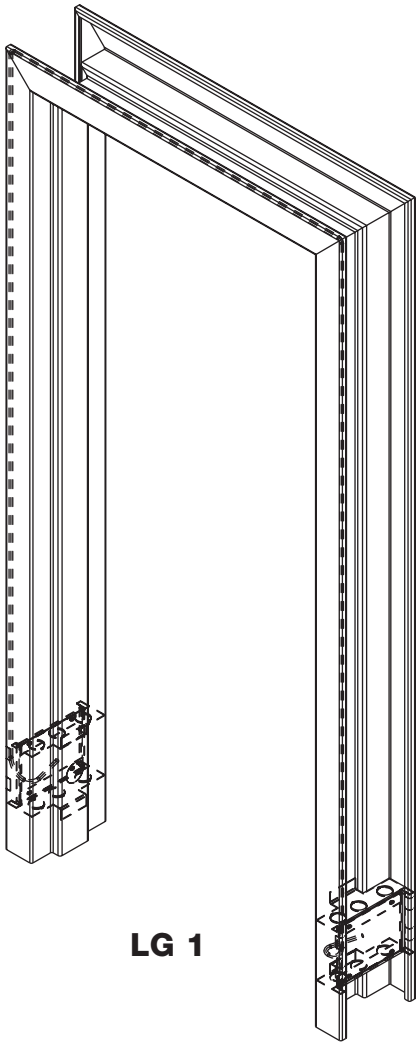
Frame System and Low Level Exit Signs

See the Difference

CURRIElum™ Frame System and Low Level Exit Signs Part of the LiteGuide™ System

CURRIES offers frame and door preparations that are part of the ASSA ABLOY LiteGuide System. The frame system augments existing exit signs by providing a highly visible light strip around the perimeter of openings designated as part of the egress pathway. The frame system design is patent pending. Options are available permitting easy and retrofittable compatibility with the E-Lume-A-Path™ (ELAP) egress marking system. Door preparations are available for 2 types of low-level exit signs on the door face.

The CURRIElum Frame System, part of the LiteGuide System, is available in 5 optional packages as described below. Option functionality requires certain standard features be included with each option. Product offering and limitations are described below:



LG 1

LG 1 – BYPASS FRAME ASSEMBLY

This frame has a 2 conductor jacketed wire harness encased by a continuous steel cover in the return of the frame around the frame perimeter. This allows the E-Lume-A-Path (ELAP) egress marking product to be connected through the frame system to continue the egress path lighting from the opposite door jamb without illuminating the frame perimeter. The appropriate ElectroLynx option may be selected if electric hardware (including LiteGuide exit sign and /or hardware, electric hardware and/or trim, etc.) is specified in the door.

Standard Features

- Knockouts @ 4" & 6" in returns
- Full jamb depth junction box at base of both jambs with 1-1/4" access knockouts @ 5" AFF in frame jamb soffits
- 2 conductor 18 gauge jacketed wire harness in opposite door rabbet return, around frame perimeter. Wire rated at 300 VAC minimum. No connectors – connect to E-Lume-A-Path egress marking product with wire nuts

Product Offering:

- M, CM, G, WM, WG, Profiles – one return will have backbend
- Welded anchors (no slip in or compression anchors)
- No 4" heads – equal jamb and head faces only
- **SMW only**. Welding available at factory or regional door group service centers
- Singles, pairs, 4 pan and 3 pan transom frames, sidelite frames
- No half sidelight frames
- 14 and 16 gauge
- No stainless steel
- No bottom Pivots

Components and Who Supplies:

- Bypass frame assembly: Hollow Metal Distributor

Who Installs:

- Contractor installs frame. Connection to E-Lume-A-Path egress marking product by exit lighting contractor

Suggested Architectural Specification – LG 1 *(Include paragraph in 08110 under "Part 2 – Products")*

2.04 Bypass Frame Assemblies

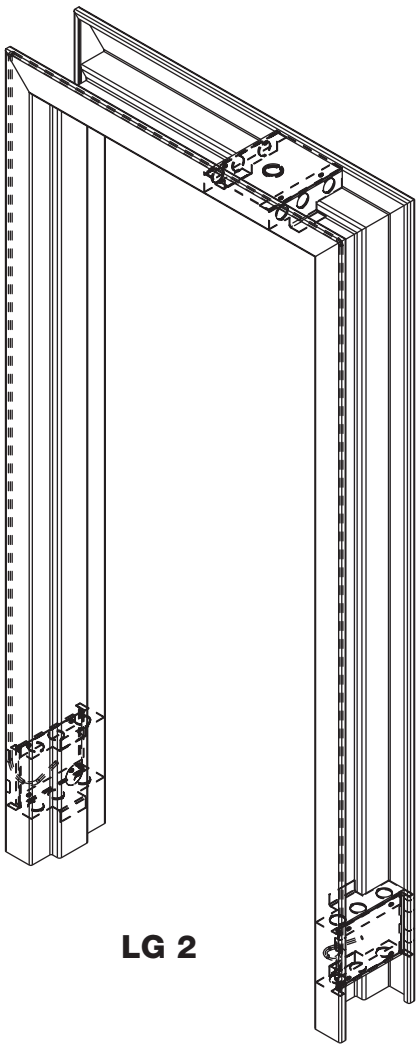
A. Provide designated hollow metal frames with a bypass option for the E-Lume-A-Path (ELAP) egress marking product. This option shall include:

1. Knockouts at four inches and six inches in frame returns
2. Full jamb depth junction box at base of both jambs with 1-1/4 inch access knockouts at five inches AFF in frame jamb soffits
3. A 2 conductor 18 gauge jacketed wire harness encased in a continuous steel cover in opposite door rabbet return, around frame perimeter
4. Wire rated at 300 VAC minimum

B. Connect to E-Lume-A-Path egress marking product with wire nuts

LG 2 – JUNCTION BYPASS FRAME ASSEMBLY

This frame has a 2 conductor jacketed wire harness encased by a continuous steel cover in the return of the frame around the frame perimeter. This allows the E-Lume-A-Path™ (ELAP) egress marking product to be connected through the frame system to continue the egress path lighting from the opposite door jamb without illuminating the frame perimeter. The frame has conduit between a head junction box and lock jamb base junction box with a 2 conductor jacketed wire harness to allow control (e.g., power, dimming, etc.) of door LiteGuide hardware via connection to ELAP system. The appropriate ElectroLynx option may be selected if electric hardware (including LiteGuide exit sign and/or hardware, electric hardware and/or trim, etc.) is specified in the door.



LG 2

Standard Features:

- Knockouts @ 4" & 6" in returns
- Full jamb depth junction box at base of both jambs with 1-1/4" diameter access knockouts @ 5" AFF in frame jamb soffits
- Full jamb depth junction box at head with 1" diameter access knockout in rabbet
- Conduit and two conductor 22 gauge wire harness between head and lock jamb junction boxes with 4 pin quick connect connector at lock jamb junction box
- 2 conductor 18 gauge jacketed wire harness in opposite door rabbet return, around frame perimeter. Wire rated at 300 VAC minimum. No connectors –connect to E-Lume-A-Path egress marking product with wire nuts

Product Offering:

- M, CM, G, WM, WG profiles – one return will have backbend
- Welded anchors (no slip in or compression anchors)
- No 4" heads – equal jamb and head faces only
- **SMW only**. Welding available at factory or regional door group service centers
- Singles, Pairs, 4 pan and 3 pan transom frames, sidelite frames
- No half sidelite frames
- 14 and 16 gauge
- No stainless steel
- No bottom pivots

Components and Who Supplies:

- Bypass frame assembly: Hollow Metal Distributor

Who Installs:

- Contractor installs frame. Connection to ELAP by exit lighting contractor
- If frame to be used as start of ELAP system, exit lighting contractor should supply two conductor 18 gauge wire from ELAP Power Supply to lock jamb junction box.

Suggested Architectural Specification – LG 2 *(Include paragraph in 08110 under "Part 2 – Products")*

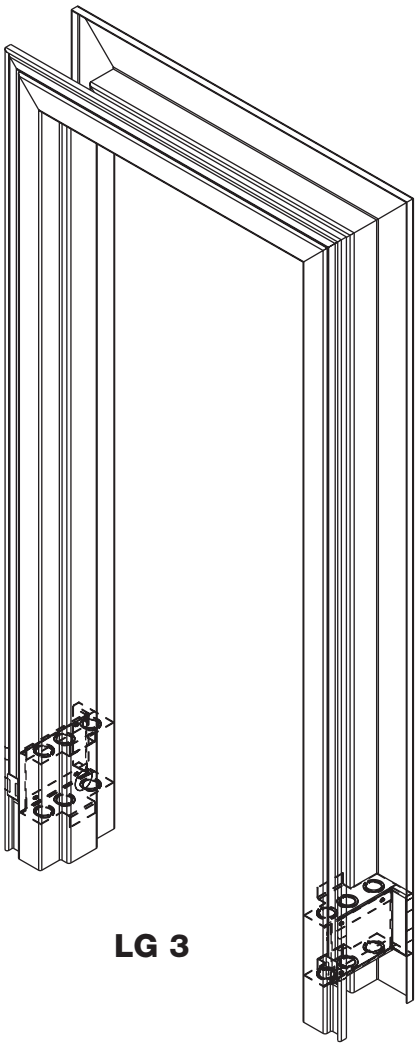
2.04 Junction Bypass Frame Assemblies

A. Provide designated hollow metal frames with a junction bypass option for the E-Lume-A-Path (ELAP) egress marking product. This option shall include:
   1. Knockouts at four inches and six inches in frame returns
   2. Full jamb depth junction box at base of both jambs with 1-1/4 inch access knockouts at five inches AFF in frame jamb soffits
   3. Full jamb depth junction box at head with one inch diameter access knockout in frame rabbet
   4. Conduit and a two conductor 22 gauge wire harness between the head and lock jamb junction boxes, with a four pin quick connect connector at the lock jamb junction box
   5. A 2 conductor 18 gauge jacketed wire harness encased in a continuous steel cover in opposite door rabbet return, around frame perimeter
   6. Wire rated at 300 VAC minimum

B. Connect to E-Lume-A-Path egress marking product with wire nuts

LG 3 – EGRESS FRAME ASSEMBLY – Used With E-Lume-A-Path™ Corridor Marking System

A channel feature is formed in this frame's face to accommodate installation of a clear PVC extrusion with the FLATLITE® lamp, a registered trademark of E-Lite Technologies, Inc., US Patent 5,047,755. The FLATLITE® lamp in this assembly is powered by connection at the base of each jamb with E-Lume-A-Path™ egress marking product. The appropriate ElectroLynx option may be selected if electric hardware (including LiteGuide exit sign and/or hardware, electric hardware and/or trim, etc.) is specified in the door.



LG 3

Standard Features included in Option LG 3:

- Knockouts @ 4" & 6" in returns
- Full jamb depth junction box at base of both jambs, 1-1/4" diameter access knockouts @ 5" AFF in frame jamb soffits

Product Offering:

- M, CMG, WM, WG profiles with channel in 1 face
- Hemmed channel feature
- Welded anchors (no slip in or compression anchors)
- No 4" heads – equal jamb and head faces
- **SMW only**. Welding available at factory or regional door group service centers
- Singles or pairs only (removable & fixed mullion included)
- 14 and 16 gauge
- 2-13/16" minimum face for channel feature (jamb & head face dimensions are equal). Unequal faces available. 1-3/4" minimum opposite face
- No stainless steel
- No bottom pivots

Optional Accessories:

- FlatLite Kit (FLATLITE lamp power supply, connector system, clear PVC extrusion packaged for up to 4080 and 8080 openings. Connection kit includes raceway ends, screws, and hole plugs to ELAP and powered by ELAP)

Components and Who Supplies:

- Egress frame assembly: Hollow metal distributor
- FlatLite Lamp Kit: Hollow metal distributor

Who Installs:

- Contractor installs frame
- FlatLite Kit installed by exit lighting contractor. Connection to E-Lume-A-Path egress marking product by exit lighting contractor
- Exit lighting contractor may run FlatLite from ELAP so light kit not required

Suggested Architectural Specification – LG 3 *(Include paragraph in 08110 under "Part 2 – Products")*

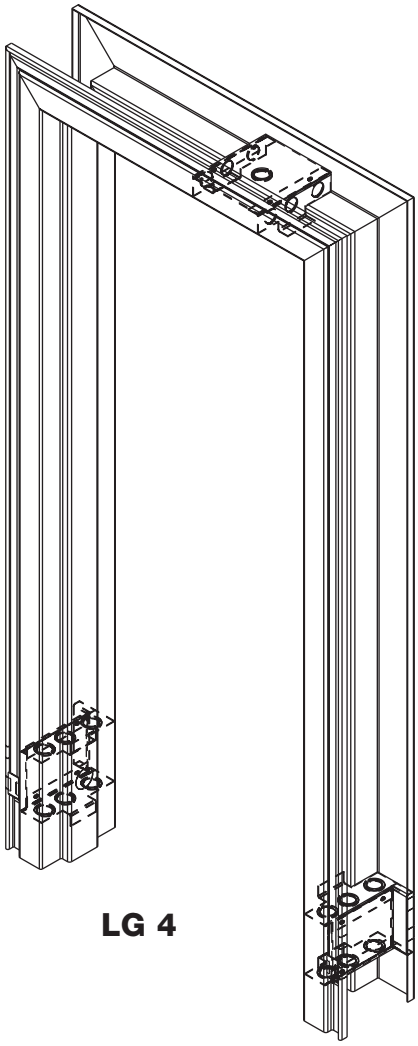
2.04 Egress Frame Assemblies

A. Provide designated hollow metal frames with a channel feature in the frame face to accommodate installation of a clear PVC extrusion with the FLATLITE lamp. These frames shall include:
   1. Knockouts at four inches and six inches in frame returns
   2. Full jamb depth junction box at base of both jambs with 1-1/4" access knockouts at five inches AFF in frame jamb soffits

B. Provide FlatLite kit for connection to E-Lume-A-Path™ egress marking product. Each kit shall consist of a FLATLITE lamp, connector system, clear PVC extrusion raceway ends and fasteners, and hole plugs. (Note to specifier: Delete paragraph B if exit lighting contractor is running FlatLite from ELAP)

LG 4 – JUNCTION EGRESS FRAME ASSEMBLY – Stand Alone Assembly

This frame has a channel feature formed in the face to accommodate installation of a clear PVC extrusion with the FLATLITE® lamp, a registered trademark of E-Lite Technologies, Inc., US Patent 5,047,755. The FLATLITE lamp in this assembly can be powered by connection at the base of each jamb with the E-Lume-A-Path™ egress marking product or powered by the building power supply in a stand-alone application. This frame is also used when controlling (e.g., power, dimming, etc.) LiteGuide door hardware with the ELAP system. The appropriate ElectoLynx option may be selected if electric hardware (including LiteGuide exit sign and/or hardware, electric hardware and/or trim, etc.) is specified in the door.



LG 4

Standard Features:

- Knockouts @ 4" & 6" in returns
- Full jamb depth junction box at base of both jambs with 1-1/4" diameter access knockouts @ 5" AFF in frame jamb soffits
- Full jamb depth junction box at head with 1" diameter access knockout in rabbet
- Conduit and two conductor 22 gauge wire harness between head and lock jamb junction boxes with 4 pin quick connect connector at lock jamb junction box

Product Offering:

- M, CM, G, WM, WG profiles with channel in 1 face
- Hemmed channel feature
- Welded anchors (no slip in or compression anchors)
- No 4" heads. Equal jamb and head faces only
- **SMW only**. Welding available at factory or regional door group service centers
- Singles or pairs only (removable & fixed mullion included)
- 14 and 16 gauge
- 2-13/16" minimum face for channel feature (jamb & head face dimensions are equal). Unequal faces available. 1-3/4" minimum opposite face
- No stainless steel
- No bottom pivots

Optional Accessories:

- FlatLite Kit (FLATLITE lamp power supply, connector system, clear PVC extrusion packaged for up to 4080 and 8080 openings. Connection kit includes raceway ends, screws, and hole plugs to ELAP and powered by ELAP)
- Above FlatLite Kit and 24 volt AC/DC to 170 volt AC power supply for connection to 24 Volt building power supply without ELAP

Components and Who Supplies:

- Egress frame assembly: Hollow metal distributor
- FlatLite light kit: Hollow metal distributor

Who Installs:

- Contractor installs frame
- FlatLite Kit installed by exit lighting contractor. Connection to E-Lume-A-Path egress marking product by exit lighting contractor
- If frame to be used as start of ELAP system, exit lighting contractor should supply two conductor 18 gauge wire from ELAP power supply to jamb junction box.
- Exit lighting contractor may run FlatLite from ELAP so kit not required
- Contractor will install the FlatLite light kit if the opening is not a continuation of the ELAP system. Certified electrician is required to connect the building wiring to the harness termination in the frame head junction box

LG 4 – Junction Egress Frame Assembly (Continued)

Suggested Architectural Specification LG 4 *(Include paragraph in 08110 under "Part 2 – Products")*

2.04 Junction Egress Frame Assemblies

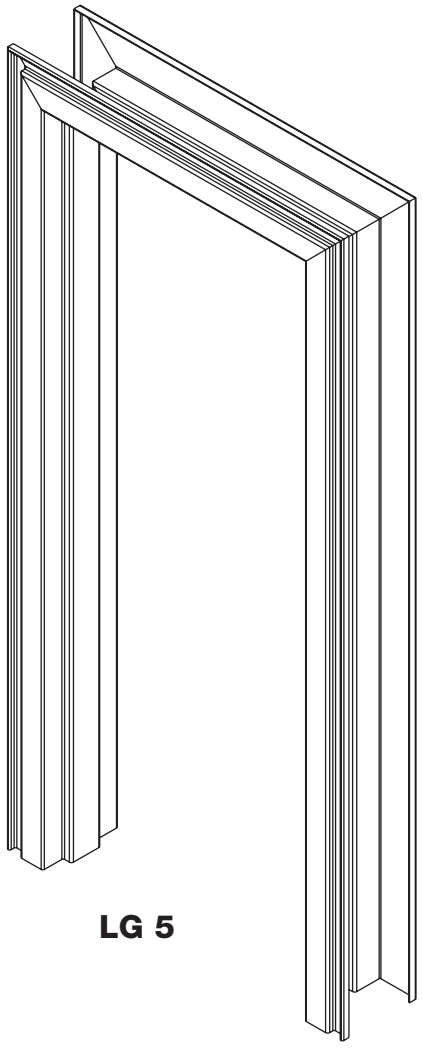
A. Provide designated hollow metal frames with a channel feature in the frame face to accommodate installation of a clear PVC extrusion with the FLATLITE® lamp. These frames shall include:
   1. Knockouts at four inches and six inches in frame returns
   2. Full jamb depth junction box at base of both jambs with 1-1/4" access knockouts at five inches AFF in frame jamb soffits
   3. Full jamb depth junction box at head with one inch diameter access knockout in frame rabbet
   4. Conduit and a two conductor 22 gauge wire harness between the head and lock jamb junction boxes, with a four pin quick connect connector at the lock jamb junction box
   5. Wire rated at 300 VAC minimum

B. Connect to E-Lume-A-Path egress marking product with wire nuts

C. Provide FlatLite kit for connection to E-Lume-A-Path egress marking product. Each kit shall consist of a FLATLITE lamp, connector system, clear PVC extrusion raceway ends and fasteners, and hole plugs. (Note to specifier: Delete paragraph B if exit lighting contractor is running FlatLite from ELAP)

LG 5 – PHOTOLUMINESCENT EGRESS FRAME ASSEMBLY

A channel feature is formed in this frame's face to accommodate installation of a photoluminescent tape



LG 5

Standard features:
- Channel feature integrally formed in frame face

Product Offering:
- M, CM, G, WM, WG with channel in 1 face
- Welded anchors (no slip in or comp anchors)
- No 4" heads
- **SMW only**. Welding available at factory or regional door group service centers
- Singles or pairs only (removable & fixed mullion included)
- 14 and 16 gauge
- 2-13/16" minimum face for channel feature (jamb & head face dimensions are equal). 1-3/4" minimum opposite face
- Unequal F1 and F2 available
- No stainless steel
- No bottom pivots

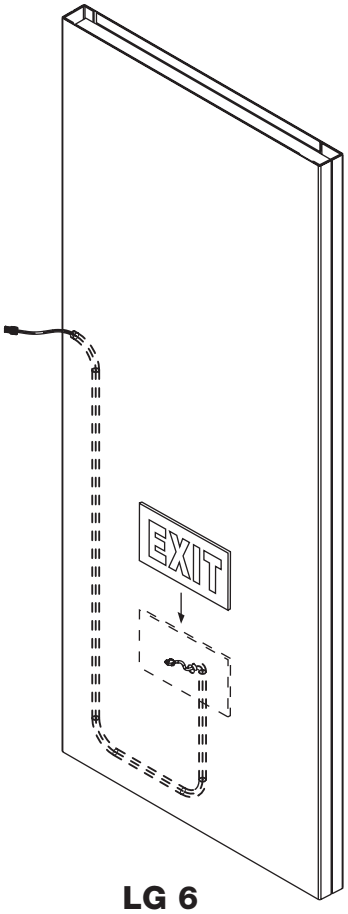
Optional Accessories:
- Photoluminescent tape

LG 6 – LOW LEVEL EXIT SIGN PREPARATIONS

Two LiteGuide Low Level Exit Sign preparations in doors are available as described below. Exit sign functionality requires certain standard features be included with each preparation. Product offering, limitations, and specifications are described below:

Electroluminescent (EL) Low Level Exit Sign

The preparation in the door includes an electric hinge preparation, face hole located at 11" from bottom of door and centered in door width, and a wire harness between face hole and hinge preparation. The appropriate LiteGuide frame option (1-4) and ElectroLynx frame options must be selected when ordering frames. Standard features included in the option (price add covers these features):



LG 6

Standard Features:

- 22 gauge two conductor wire harness with quick connect connectors compatible with LiteGuide power supply
- Door face hole punch
- Electric hinge preparation

Product Offering:

- 707, 727, 747, 847, 857 door construction
- No embossed panel doors
- 1-3/4" or 2" thick door
- 4-1/2" or 5" hinges
- Bottom of vision kit must be greater than 20" from bottom of door

Optional Accessories:

- Electroluminescent Exit sign with LiteGuide power supply (Note: McKinney 'MM' hinge not compatible)
- Order door and frame hinge preparation for McKinney ElectroLynx for compatible connection with wiring harness in door
- ElectroLynx frame option can be ordered for quick connection to building wire via junction box in the head

Components and Who Supplies:

- Hollow metal door assembly: Hollow metal distributor
- Electroluminescent exit sign with LiteGuide power supply: Hollow metal distributor
- Electric hinge: Hardware distributor
- 24 volt DC, 2 amp regulated power supply for exit signs not powered by ELAP: Hardware distributor

Photoluminescent (PL) Low Level Exit Sign

A photoluminescent exit sign is available that may be attached to the door face.

Product Offering:

- 707, 727, 747, 757, 847, 857 door construction
- No embossed panel doors
- Bottom of vision kit must be greater than 20" from bottom of door

Optional Accessories:

- Photoluminescent Exit Sign

Components and Who Supplies:

- Hollow metal door assembly: Hollow metal distributor
- Photoluminescent exit sign: Hollow metal distributor

Who Installs:

- Contractor installs door
- Hardware installer, contractor, or owner installs exit sign

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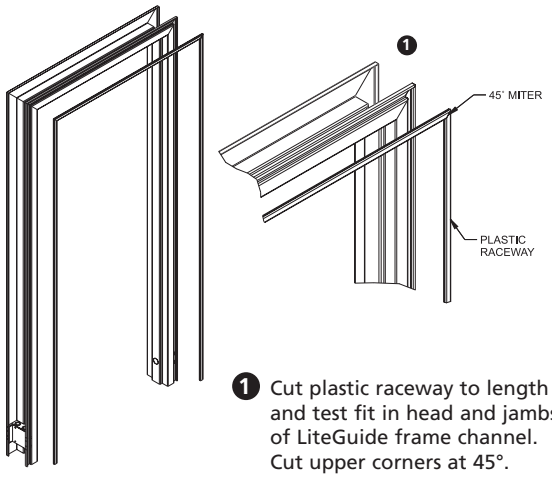
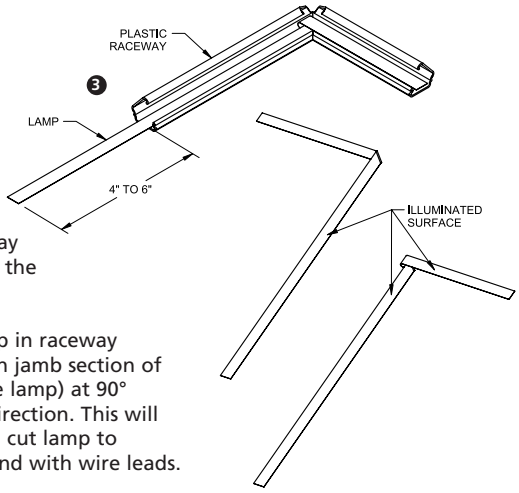
LiteGuide™ Option LG4 Installation Instructions



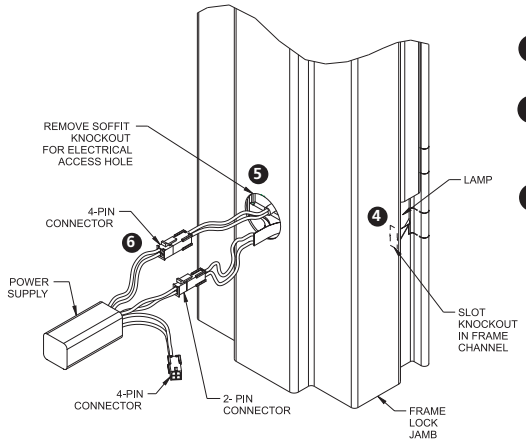
The LiteGuide™ System consists of clear PVC raceway and electroluminescent lamp that can be installed around the perimeter of a LiteGuide frame. The LiteGuide frame profile has a channel integrally formed in the frame face. A power supply is provided to convert 24 volt AC/DC power to required lamp voltage.

1 Cut plastic raceway to length and test fit in head and jambs of LiteGuide frame channel. Cut upper corners at 45°.



2 Peel the adhesive liner off the raceway, and attach the raceway to the channel in the face of the LiteGuide frame. Test fitting the pieces prior to removing the adhesive liner is recommended.

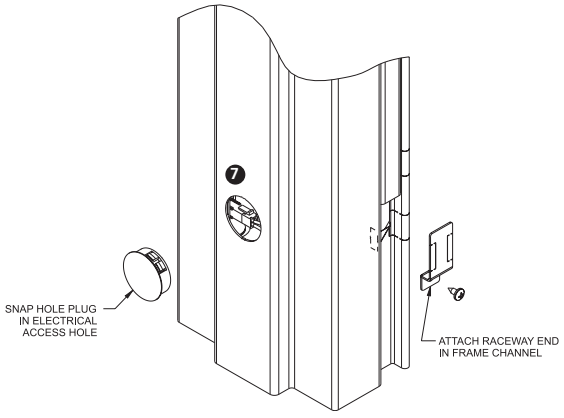
3 Open raceway and install the lamp in the raceway. Insert lamp in raceway flange. Provide an extra 4" to 6" of lamp past the end of each jamb section of raceway. At upper corners, fold lamp (be careful not to crease lamp) at 90° opposite of desired direction and then 90° again to desired direction. This will ensure correct orientation of illuminated surface. If necessary, cut lamp to length and apply transparent tape over cut end. Do not cut end with wire leads.



4 Remove slot "knockout" located in frame channel. Route the lamp through the slot in the frame channel.

5 Remove electrical access hole 'knockout' located in the LiteGuide frame soffit, and route lamp and 24 volt wire leads through the access hole.

6 Attach lamp and 24 volt wire lead connectors to power supply connectors.



7 Route lamp ends, wire leads, and power supply back through electrical access hole in frame soffit. Install hole plug in frame soffit electrical access hole. Attach raceway end in frame channel.

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Founded in 1958, CURRIES is an industry leader in the manufacture of hollow metal doors and frames.
The company supplies a full line of custom and standard products for new and retrofit construction projects in the commercial, educational and healthcare markets.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locks and associated products, dedicated to satisfying end-user needs for security, safety and convenience.