LUTRON

LED Tape Extrusions
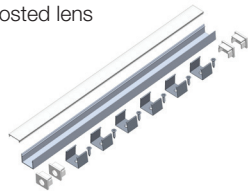
Please read before installing. **English**

Model Numbers:

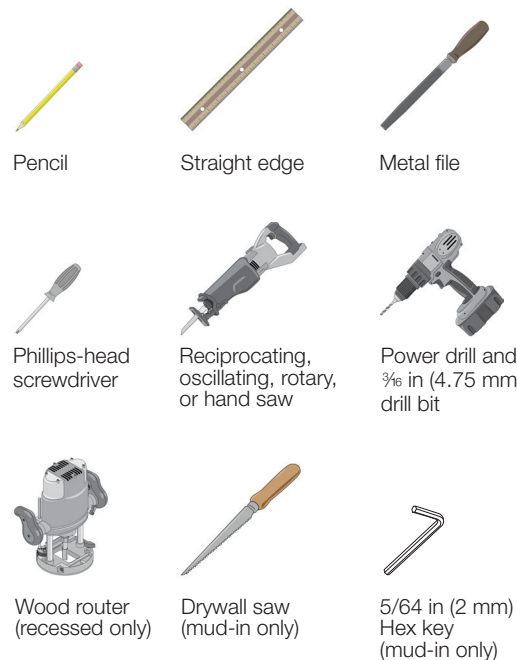|	
LU-SR1-K	LU-SR1-ACS
LU-SR2-K	LU-SR2-ACS
LU-SR3-K	LU-SR3-ACS
LU-45S-K	LU-45S-ACS
LU-45T-K	LU-45T-ACS
LU-RR1-K	LU-RR1-ACS
LU-MI1-K	LU-MI1-ACS

Contents

- 8 ft (2.44 m) channel and frosted lens
- Open end caps (2)
- Closed end caps (2)
- Mounting clips* (6)
- Wood screws* (6)

*Not included in the MI1 model.

Tools Needed for Install

Pencil   Straight edge   Metal file

Phillips-head screwdriver   Reciprocating, oscillating, rotary, or hand saw   Power drill and ³⁄₁₆ in (4.75 mm) drill bit

Wood router (recessed only)   Drywall saw (mud-in only)   5/64 in (2 mm) Hex key (mud-in only)

Help

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1 Determine Channel Length

Measure desired length of channel and mark with pencil. Note that the total length of the fixture will include the length of each end cap. See **Extrusion Dimensions** for end cap thickness.

Channel / Cover Cut Length

Additional End Cap Length

Additional End Cap Length

Total Fixture Length = Channel / Cover Cut Length + (2 x End Cap Length)
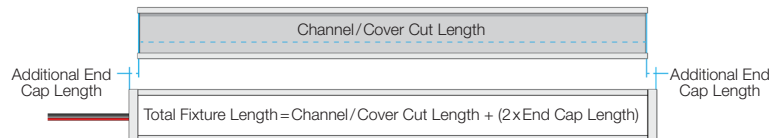
NOTE: A wire-to-tape connector inside the channel will add ⅝ in (15.87 mm) to the end of the LED tape. Wire should be routed through open end caps before inserting into connector.

2 Cut Channel and Lens

Channels can be cut to size with a reciprocating saw, oscillating saw, rotary saw, or hand saw fitted with an appropriate blade to cut metal objects. Once cut, deburr edges with a metal file. To ensure that the channel and lens are cut to equal lengths, consider cutting while they are assembled together and secured with painter's tape.
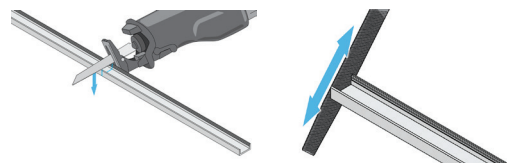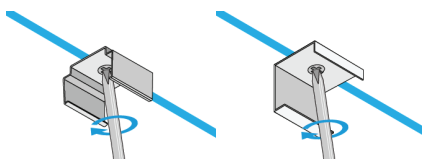
3a Mounting (using mounting clips)

NOTE: Mounting clips should be used for horizontal-oriented fixtures only. For non-horizontal fixtures, see step **3b**.

Using a straight edge and pencil, draw a straight guide line along the intended channel surface.
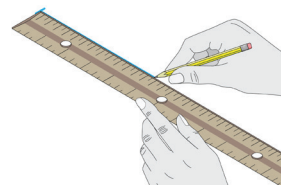
Mark holes and fasten mounting clips using a screwdriver. Maximum distance between mounting clips is 2 ft (0.61 m). Maximum mounting clip distance from the end of the fixture is 1 ft (0.3 m). A minimum of two mounting clips must be used for each fixture.
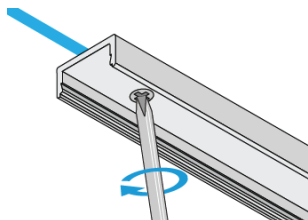
NOTE: The provided screws are suitable for mounting into wood substrates. It is the responsibility of the installer to select fasteners which are appropriate for their mounting surface.

3b Mounting (direct mounting)

Using a power drill fitted with a ³⁄₁₆ in (4.75 mm) metal drill bit, drill mounting holes through the channel every 2 ft (0.61 m).
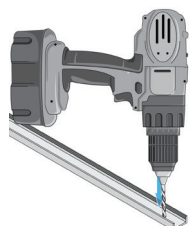
Fasten the channel to the mounting surface using a screwdriver.

NOTE: The provided screws are suitable for mounting into wood substrates. It is the responsibility of the installer to select fasteners which are appropriate for their mounting surface and sit flush inside the channel.

3c Mounting (recessed)

Using a router, create a track to fit the size of the desired channel. Reference the **Extrusion Dimensions** section for more information. For a straight and even track, consider clamping a straight guiding edge.
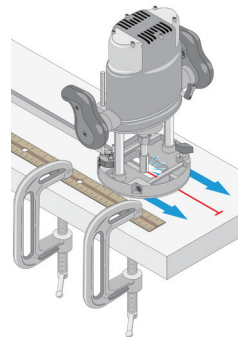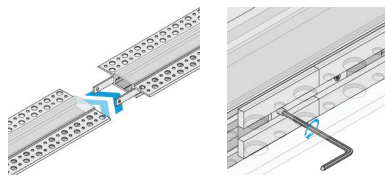
NOTE: A through-hole must be drilled in one side for wiring to the LED tape.

Referencing **3b**, place the channel in the track and secure it using direct screw mounting.

3d Mounting (mud-in)

If assembling two pieces of channel together, use the provided end-to-end connectors by sliding one into each side of the channel and then fastening using a hex key (5/64 in or 2 mm).

Cut out an appropriately sized area for the channel height and width. Reference the **Extrusion Dimensions** section for more information.
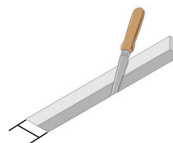
Place the channel into the wall cutout and fasten it to the surface using drywall screws.
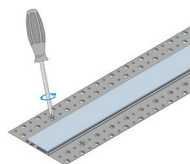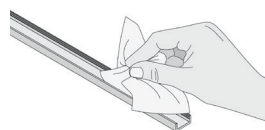
Cover the lens with painter's tape, cover the wings of the channel with drywall tape, and then cover with drywall mud. Once the drywall mud is dry, remove the painter's tape.
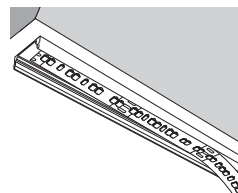
1.   2.   3.   4.
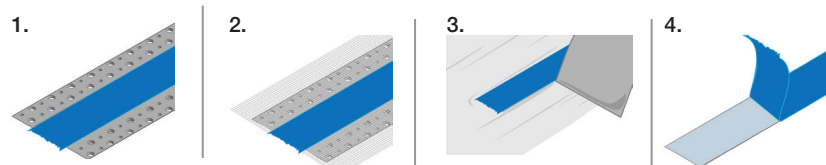
4 Clean the Channel and Adhere the Tape Light

Clean the inside of the channel, ensuring that it is dry and free of dust.

Peel the backing off of the LED tape and attach the LED tape to the channel. Press and hold for 10 seconds.
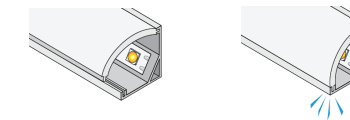
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5 Assemble the Extrusion

Attach the lens by firmly pressing one edge into the channel and then firmly press in the other edge. Continue pressing along the channel until the lens is fully seated. Some lenses have a thin plastic film that must be removed after the installation is finished. Attach the end caps.
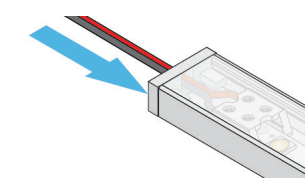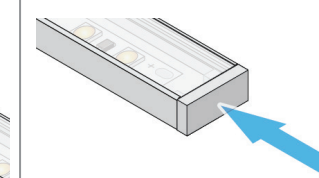
Flat Lens:
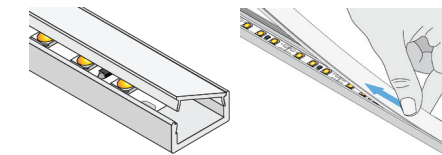
Angled Lens:

Open End Cap: **Closed End Cap:**

Extrusion Dimensions

Measurements shown as: in (mm)

SR1
End cap thickness: 0.11 (3)
Height with mounting clip: 0.81 (20.6)

0.81 (20.6)
0.87 (22.1)

SR2
End cap thickness: 0.08 (2)
Height with mounting clip: 0.65 (16.5)

0.57 (14.5)
0.74 (18.8)

SR3
End cap thickness: 0.1 (2.7)
Height with mounting clip: 0.53 (13.5)

0.38 (9.6)
0.83 (21.1)

45S
End cap thickness: 0.07 (1.7)
Height with mounting clip: 0.89 (22.6)

0.78 (19.8)
0.78 (19.8)

45T
End cap thickness: 0.08 (2)
Height with mounting clip: 1.25 (31.7)

1.18 (30)
1.18 (30)

RR1
End cap thickness: 0.08 (2)
Height with mounting clip: 0.63 (16)

1.03 (26.2)
0.42 (10.7)
0.49 (12.4)
0.74 (18.8)

MI1
End cap thickness: 0.08 (2)
Height with mounting clip: Not applicable

2.42 (61.5)
0.58 (14.7)
1.12 (28.4)