

Scissor Lift SLX 115V & 240V AC



SUBMITTAL TECHNICAL INFO

Planning sheet submission required with your order or request for quotation. Please mark appropriate response to each numbered item (front and back).

Specifications — Scissor Lift SLX

video projector lifts:

White or black powder coat finish. Projector bolts onto operating pan, or mounts to pan with mounting bracket (by others). Electrically operated 240V AC, 50 Hz. UL recognized gearmotor, with metal chain drive system, to be lifetime lubricated.

Projector to be suspended from steel pan supported by steel scissor arms and operated by two, $\frac{3}{16}$ " (4.7625 mm) aircraft cables with 4200 foot/pounds tensile strength per cable.

Equipped with 3 sets of stabilizing scissors, positioned on the left, right, and rear sides. Also equipped with fail-safe inertial safety belt system and Cable Management System with projector power cord. Factory set limit switches to automatically stop travel at store, show, and service positions. Single Station Low Voltage Control, standard, consists of one 3-button wall switch to lower lift from "stored" to "show" position, and one momentary key switch to lower lift to "service" position.

Scissor Lift SLX is approved to UL 2442 and CSA C22.2 No. 60065-03.

OPTIONAL CURRENT SENSOR: Must be used with Environmental Air Space Housing.

OPTIONAL ENVIRONMENTAL AIR SPACE HOUSING: Consists of suitable steel panels for use in return Environmental Air Space situations. Includes trim ring for ceiling opening. Two sizes available. Must be used with Current Sensor.

Optional ceiling closure panel: Finished in white baked textured powder coat, shall descend smoothly with projector. Two sizes available.

Ceiling Finish Kit: Finished white. Trims ceiling opening when required. Consists of trim ring and closure panel. Two sizes available.

Factory-installed control cables available.

Please Note:

The Scissor Lift SLX should be specified in conjunction with a Draper motorized screen.

Optional Ceiling Access Door: Provides access to projector and lift when unit is installed above hard ceiling. Two styles: White painted finish or accepts ceiling tile.

Patented by Draper, Inc.

Patent information available at <http://www.draperinc.com/legal/patents/>

Downloadable 3-part specifications are available at www.draperinc.com.

| Added Pieces Reference | Part #s | Net Weight |
|------------------------|------------------|------------|
| Small Projector Mount | 300212 / 300215 | 6 lbs |
| Medium Projector Mount | 300454 / 300453 | 12 lbs |
| Large Projector Mount | - | 54 lbs |
| Cables | Varies by Length | 10-40 lbs |
| SLX Closure panel | 300265 / 300592 | 33 lbs |
| SLXR Closure panel | 300294 / 300595 | 39.5 lbs |

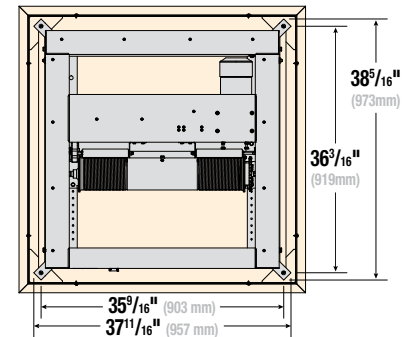
1. Select one model based on the maximum exact distance you need the projector to descend from "store" position to "service" position.

Draper does not recommend setting show position at the maintenance/service position.

For example, if you wish to have 8' (2.4M) Show position, order a lift with at least a 10' (3M) maintenance position.

Scissor Lift—SLX Series

| Quantity | Closed Height | Extended Height | Lift Max Load (lbs)* | Lift Net WT (lbs) |
|--|-------------------------------|-----------------|----------------------|-------------------|
| <input type="checkbox"/> 10' (3M) — Model SLX10 | 14 $\frac{1}{16}$ " (35.6cm) | 10'7" (322.6cm) | 453 | 232 |
| <input type="checkbox"/> 14' (4.25M) — Model SLX14 | 16 $\frac{5}{16}$ " (40.6cm) | 14'2" (431.8cm) | 435 | 250 |
| <input type="checkbox"/> 17' (5.2M) — Model SLX17 | 18 $\frac{9}{16}$ " (45.7cm) | 17'8" (538.5cm) | 418 | 267 |
| <input type="checkbox"/> 21' (6.4M) — Model SLX21 | 20 $\frac{13}{16}$ " (50.8cm) | 21'3" (662.9cm) | 393 | 292 |
| <input type="checkbox"/> 24' (7.3M) — Model SLX24 | 23 $\frac{1}{16}$ " (58.4cm) | 24'9" (754.4cm) | 375 | 310 |
| <input type="checkbox"/> 28' (8.5M) — Model SLX28 | 25 $\frac{5}{16}$ " (63.4cm) | 28'5" (866.1cm) | 350 | 335 |
| *Net Weight of Projector + Mount + Closure Panel + Cables (See Added Pieces Chart Above) | | | | |



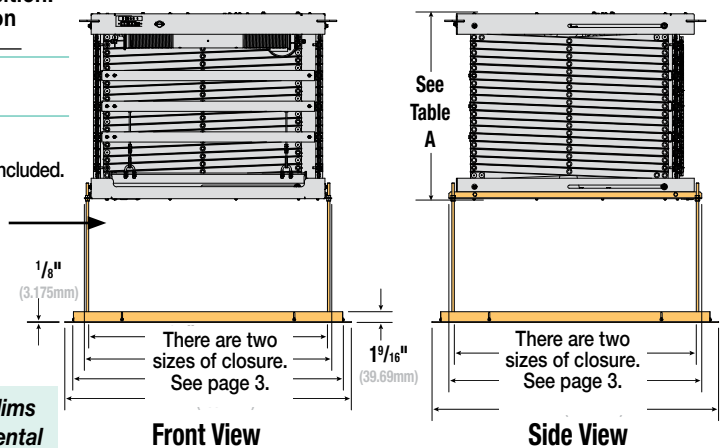
Top View

2. Standard, factory set "show" position is 36" (914 mm) below "store" position. "Show" position can be adjusted after installation. For "show" position of more or less than 36" (914 mm), list show position: _____

3. Select Powder Coat Finish:

- ☐ White (Standard)
- ☐ Black
 - ☐ Trim Ring Only (Standard)
 - ☐ Entire Environmental Air Space Housing (Optional)

16" (406 mm) threaded rod included. Can be cut down to match projector and mount dims.



For drawings/dims with Environmental Air Space Housing, see page 3.

PROJECT: _____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____



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4. Select Optional Accessories

- ☐ Optional Ceiling Access Door (2' x 2' [60 x 60 cm]) to allow access above finished ceiling (highly recommended).

☐ White Painted Finish☐ Accepts Ceiling Tile
- ☐ Optional Environmental Air Space Housing: Optional ceiling closure panel not included (see page 3).

☐ SLX☐ SLXR
- ☐ Optional Ceiling Closure Panel: Pairs with Environmental Air Space Housing. Installs with ceiling trim lip or as Lipless Closure (see page 3).

☐ SLX☐ SLXR
- ☐ Optional Ceiling Finish Kit: Ceiling closure panel and mating trim kit used to finish ceiling opening when no Air Space Housing is needed (see page 3).

☐ SLX☐ SLXR
- ☐ Optional Universal Projector Mount (max. load 200 lbs.).
- ☐ Optional Current Sensor. (Please Note: Optional Current Sensor may reduce projector space available. Contact Draper).

5. Select up to four (4) optional factory installed cables for RGB, Video and Projector Control?

(Note: Cables are Optional, not plenum rated and are shielded)

- ☐ Yes☐ No
- What type of connectors do you need? (Inputs to Projector and Outputs at top of Lift)

- ☐ BNC

How Many? _____
- ☐ 15 Pin HD

How Many? _____
- ☐ RCA

How Many? _____
- ☐ S-Video

How Many? _____
- ☐ RS232 (DB9)

How Many? _____
- ☐ Cat 6

How Many? _____
- ☐ HDMI

How Many? _____

* Please note: In addition to the 2 power cords provided, there is a limit of four (4) additional video, RGB and control cables per Scissor Lift.

6. Select Voltage:

- ☐ 110-120V
- ☐ 220-230V
- 

7. Select Low Voltage Controls: This unit comes with one 3-Button Wall Switch and one Momentary Key Control.

For other switching options, please select from below:

- ☐ Replace 3-Button Wall Switch with optional second Momentary Key Control (SP-KSM)
- ☐ Optional Key Operated Power Supply Key Switch (On-off)
- ☐ Optional R2D7 RS232 interface for Serial Communication (Controls the "Show" position only)

8. Will this unit be controlled by other equipment?

- ☐ No.
- ☐ Yes. What kind of equipment? _____

SLX Scissor Lift – Dimensions & Data

| | SLX10 | SLX14 | SLX17 | SLX21 | SLX24 | SLX28 |
|--|---|---|---|--|---|---|
| Height of lift in closed position ¹ | 14 ¹ / ₁₆ " (36 cm) | 16 ⁵ / ₁₆ " (41 cm) | 18 ⁹ / ₁₆ " (47 cm) | 20 ¹³ / ₁₆ " (53 cm) | 23 ¹ / ₁₆ " (59 cm) | 25 ⁵ / ₁₆ " (64 cm) |
| Max. down travel (to service position) | 10'7" (323 cm) | 14'2" (432 cm) | 17'8" (538 cm) | 21'3" (648 cm) | 24'9" (754 cm) | 28'5" (866 cm) |
| Net weight | 213lbs (98kg) | 230lbs (104kg) | 260lbs (118kg) | 275lbs (125kg) | 289lbs (131kg) | 303lbs (137kg) |
| Approx. travel time (to service position) | 1 min. 43 sec. | 2 min. 24 sec. | 2 min. 55 sec. | 3 min. 36 sec. | 4 min. 7 sec. | 4 min. 48 sec. |

¹ Height of Scissor Lift in closed position only. Overall height of projector, plus optional mount, plus optional ceiling closure, plus optional Environmental Air Space Housing adds to overall height of equipment installed above ceiling.

² Up direction with full load of 350 lbs. "Down" travel time or lighter loads will have shorter travel times.

Lipless Ceiling Closure Dimensions (Optional)

| | SLX | SLXR |
|-------|--|---|
| Width | 39 ¹ / ₈ " (994mm) | 39 ¹ / ₈ " (994mm) |
| Depth | 39 ¹ / ₈ " (994mm) | 45 ¹ / ₈ " (1146mm) |

Lipless Closure Option is available by removing the Trim Ring from the Closure Panel. A substrate material (ceiling tile, gypsum board, etc.) can be attached directly to the Closure Panel using adhesive, double-sided tape or screws.

NOTE: Make sure the added weight of the substrate does not exceed the stated weight capacity of the lift. Substrate should be installed so that it is centered within the finished opening in the ceiling, with a gap of no less than ³/₁₆" (5mm) around all edges.

PROJECT: _____

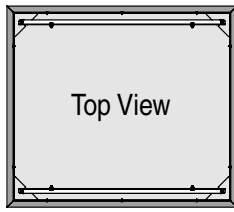
ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

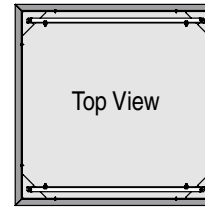
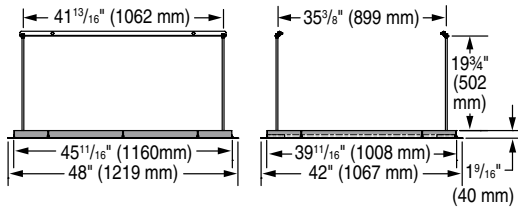
DATE: _____ REVISED: _____

Optional Ceiling Closure Dimensions



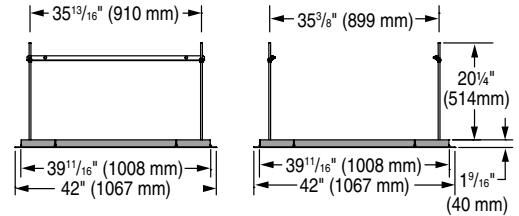
SLXR

Net Weight:
39 lbs (18 kg)

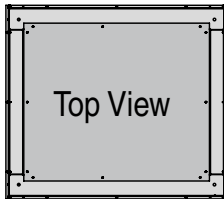


SLX

Net Weight:
34 lbs (15 kg)

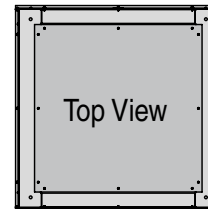
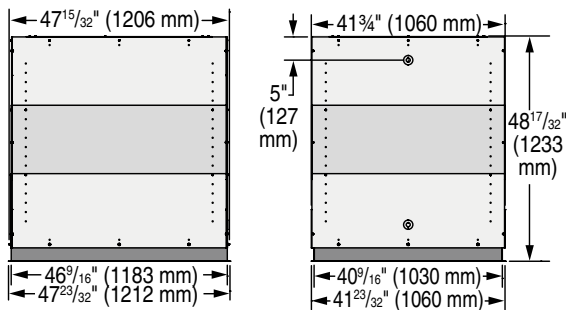


Optional Environmental Air Space Housing Dimensions



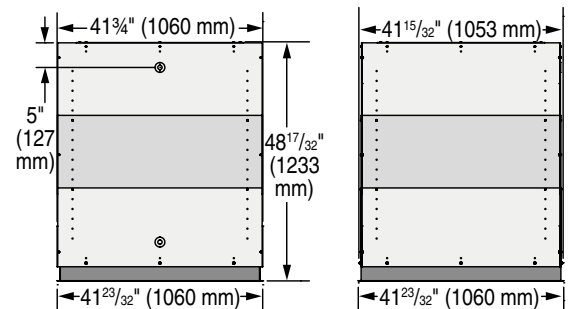
SLXR

Net Weight:
208 lbs (94 kg)

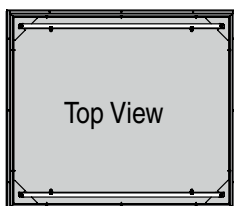


SLX

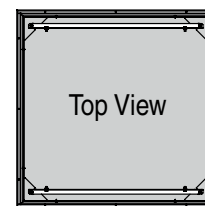
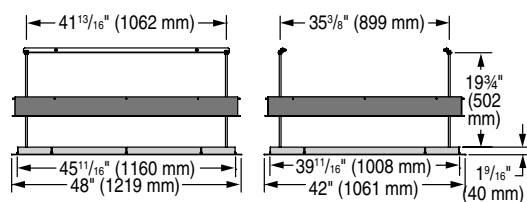
Net Weight:
192 lbs (87 kg)



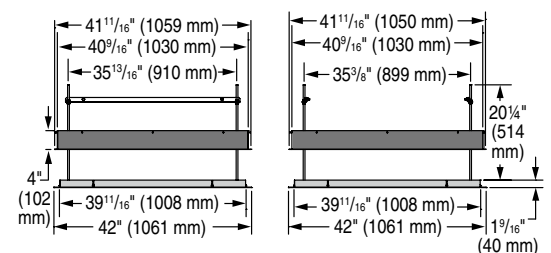
Optional Ceiling Trim Kit Dimensions



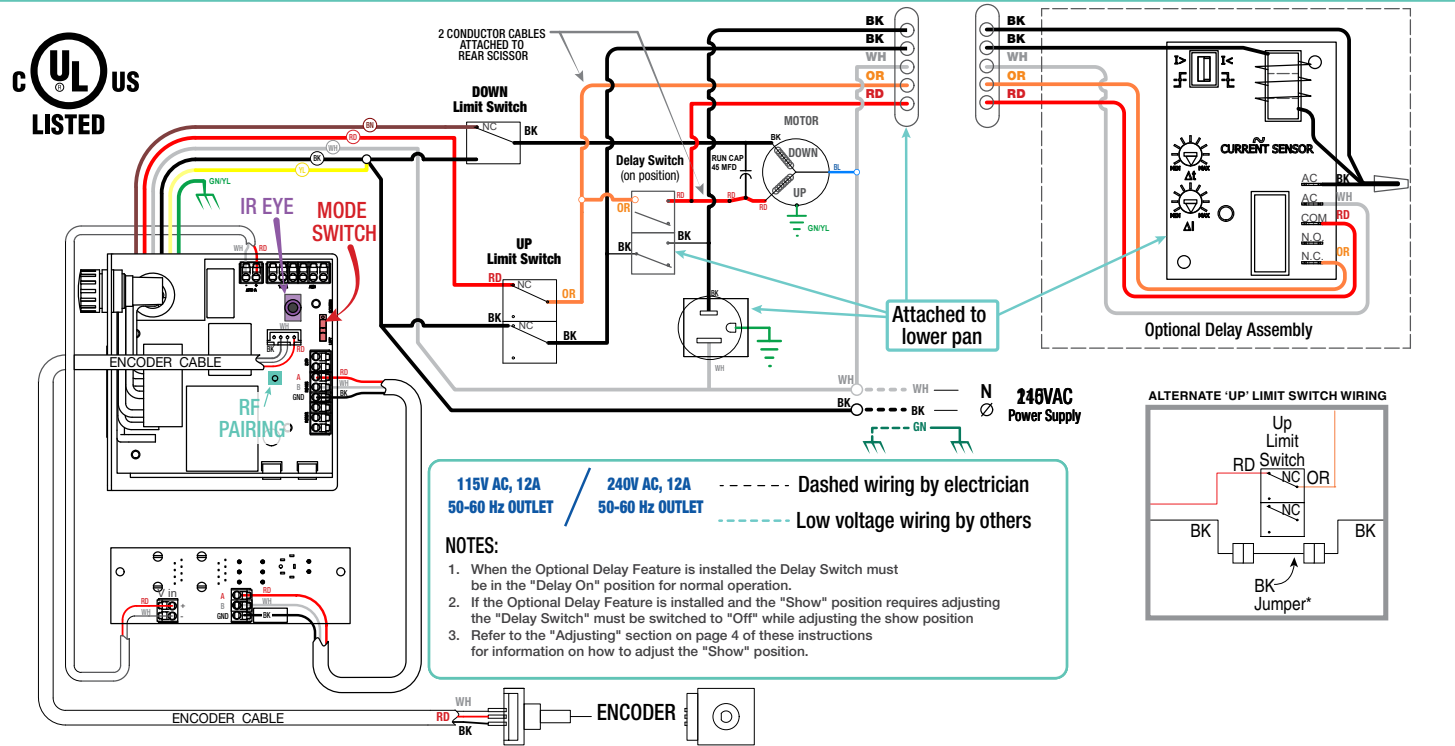
SLXR



SLX



Wiring Schematic



Connecting Controls to Data Cable Splitter Board

- Controls plug into the Data Cable Splitter Board (See diagram below) which is located on the Top Frame on the front side of the lift, using RJ45 connectors.
- IR or RF Control options available.
- For serial control, use data cable connectors on splitter board.

Please Note:
Any control, including automated dry contact systems, being connected to the wall switch input MUST send a momentary signal.

