Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

selux

M100
LED Recessed

Order Code: _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____

Series

L10	L1R1	L1R2
Multi-Mount Form	Continuous Flange (Flanged Endcaps)	Continuous Flange (Flangeless Endcaps)

Light Engine

1C45[1]	1C40[1]	1C35	1C30[1]	1C25[1]	1C20[1]
80CRI-1123lm 90CRI-944lm 11.1W per foot	80CRI-1014lm 90CRI-852lm 9.9W per foot	80CRI-957lm 90CRI-805lm 8.7W per foot	80CRI-765lm 90CRI-643lm 7.3W per foot	80CRI-640lm 90CRI-538lm 6.1W per foot	80CRI-530lm 90CRI-445lm 4.9W per foot

* Values calculated from a 4' fixture at 3500K, 90+ CRI using LW shielding and DIM driver. For additional information please see page 2.
[1] Available starting at 2' and up.

CCT

927	930	935	940	827	830	835	840	RGBW
2700K 90+ CRI	3000K 90+ CRI	3500K 90+ CRI	4000K 90+ CRI	2700K 80+ CRI	3000K 80+ CRI	3500K 80+ CRI	4000K 80+ CRI	(consult factory)

Shielding

LW	MI	NB	A2	A5	BW
LED Optimized White Lens	Clear Lens with Microprism	LMO Symmetric with Satine Lens	LMO Asymmetric 20° Wall Washer with Satine Lens	LMO Asymmetric 5° Wall Grazer with Satine Lens	LMO Batwing with Satine Lens

Mounting L10

SF1	SF2	SF3	SG[3]	DC
Spackle Flange (½" Drywall)	Spackle Flange (⅝" Drywall)	Spackle Flange (After Drywall)	Slot Grid (⁹⁄₁₆") (Wire Suspension or ¼"-20 stud)	Decoustic Ceiling (up to 2" thick)

or

Mounting L1R1 or L1R2

TB[2]	TBS[2]	RC[3]	TS
T-Bar Length with Suspension Clips	T-Bar Length with 1" ¼"-20 Stud	Rotating Crossbar (Ceilings ¼" to 2" thick)	1" ¼"-20 Stud

[2] L1R1 only.
[3] Consult factory for lengths under 2'.
* For mixed mountings consult factory.

Nominal Fixture Length

01*	02[4]	03[5]	04[4]	05[4]	06[4]	07[5]	08[4]	XX
1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	Runs (over 8') and Configurations, round up to the nearest foot and replace the "xx" with the # (i.e. 09=09' nominal).

**1' fixture only available with 1C35 light engine.*
Individual fixtures, Runs, and Configurations are supplied in nominal lengths to ensure full, even, illumination. See pages 2 through 6 for additional details.

[4] Length intended to fit centered between the grid for SG, TB, and TBS mountings.
[5] SG, TB, and TBS mount not available in 3ft and 7ft lengths.

Finish

WH	BL	SV	SP
White	Semi-Matte Black	Silver	Specify Premium Color

* Custom colors are available, please consult factory.

Voltage

1	2	U	3
120V	277V	120V through 277V 50/60Hz capable	347V (consult factory)

Driver

DIM[6]	DIL[6,7]	DED[6,7]	D01[6,7]	DL01[6,7]	DE1[6,7]	DC3
0-10V 1% (Linear)	eldoLED 1% ECOdrive 0-10V (Logarithmic)	eldoLED 1% ECOdrive DALI-2 (Logarithmic)	eldoLED 0.1% SOLOdrive 0-10V (Linear)	eldoLED 0.1% SOLOdrive 0-10V (Logarithmic)	Lutron 1% Eco-System	Lutron 1% 3-Wire (consult factory)

[6] See page 7 for details.
[7] Not available for 1' length.

Fixture Options

FS[8]	SS[8,9]	CS	CCEA[10]	#P1[11]	#P3[11]
In-line Fuse	Separate Switching	Custom Switching (consult factory)	Chicago Plenum (consult factory)	1 Cell Piix™ ~332lm/3.5W per cell	3 Cell Piix™ ~332lm/3.5W per cell

▶ Provide quantity (#) of Piix™ modules required.
▶ Piix™ modules provided with same CCT, finish and driver as M100. Standard module provided with Black Baffle and 35° reflectors. For other configurations, please consult factory.

Example: 2P1 will yield an M100 with two (2) 1 cell Piix™ modules located at either end of the fixture.

[8] See page 10 for details.
[9] SS option for linear section only.
[10] Not available with EM.
[11] Piix™ modules are switched separate standard. Minimum 6' M100 required for Piix™ module. See page 11 for full details.

Sensor Options

xE[12,13]	xS1[12,13]	xS2[12,13]	xS3[12,13]	xSN	xV	AWN	CA
Enlighted	Sensor Switch Daylight	Sensor Switch Occ/Vac	Sensor Switch Occ/Vac/ Daylight	nLight enabled (consult factory)	Lutron Vive (consult factory)	Lutron Athena Wireless Node ready (consult factory)	Casambi Enabled (consult factory)

Replace "x" with quantity

[12] Minimum length 2'. See page 12 for details
[13] Requires DIM driver (0-10V).

Emergency Options

EC[14,15]	EMR	EM[14,15,16]
Emergency Circuit Wiring	Remote Micro Inverter (consult factory)	Integral EM Battery Pack (non-IC Rated)

[14] See page 10 for details..
[15] For emergency options with sensors, please consult factory.
[16] EM available in 4' and ≥6'. Please consult factory for 5'.

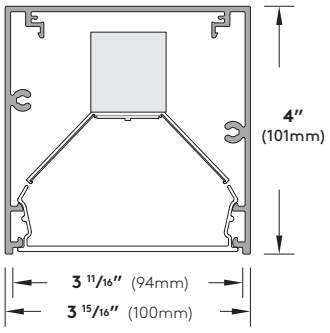
Configuration Options

L9	T9	X9	V9	LC	TC	XC	VC
Lit Horizontal 90° Corner	Lit "T" section 90° Corner	Lit "X" section 90° Corner	Vertical Mount with Lit Inside 90° Corners	Lit Horizontal Custom Angle Corners (consult factory)	Lit "T" section Custom Angle Corners (consult factory)	Lit "X" section Custom Angle Corners (consult factory)	Vertical Mount with Lit Inside Custom Angle Corners (consult factory)

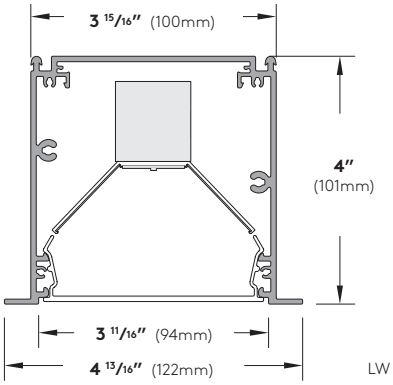
* See pages 13-14 for details.

BUY AMERICAN · 5 YEAR LED WARRANTY · ARRA Compliant · OHS IMPLIENT · UNION MADE IBEW LOCAL 363 · LUTRON ECOSYSTEM ADVANTAGE · nLIGHT · IC RATED · CASAMBI

L10
Multi-Mount Form housing



L1R1x
Continuous Flange housing



LW lens shown for reference

Construction:

Housing - Continuous, low copper 6063-T6 extruded aluminum profile with aluminum endcaps, available as Individual fixtures (up to 8') or Runs.

Flange (L1R1 or L1R2) - 9/16" (14mm) wide flange runs full lengths of both sides and is part of the main extruded body. Specify continuous flange (L1R1) or flush (L1R2) endcap. L1R2 does not work in T-Bar ceiling.

Geartray - Low copper 6063-T6 extruded aluminum profile.

Shielding - Extruded, impact resistant acrylic snap in lens:
- LED Optimized White Lens (LW)
- Clear Lens with Microprism (MI)

"LMO" refers to the Selux proprietary LED optical system - Light modulation optics. These lenses are offered in M100 behind a Satine Lens for even illumination and comfortable lit appearance.
- "LMO" Symmetric Lens (NB)
- "LMO" Asymmetric 20° Wall Washer (A2)
- "LMO" Asymmetric 5° Wall Grazer (A5)
- "LMO" Batwing (BW)

Mounting(s) - Spackle in (drywall), Slot Grid, Decoustic, T-bar Grid, Rotating Crossbar and Threaded Stud mountings (see pages 3 through 6 for details).
**Mixed mountings are possible – consult factory.

Standard luminaire lengths - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination. Runs and Configurations are available in approximately ¼" increments starting at the nominal 8' fixture length.
** Individual luminaires are not joinable in the field.

Exact length luminaires - Individual luminaires, Runs, and Configurations are available in exact lengths to meet your project needs. Please consult factory with your requirements.
** Lens luminance may soften at the very ends of the straight sections for exact length luminaires.

L10 Joiner(s) - Runs and Configurations are supplied in multiple housings that are joined together in the field using the supplied L10 Joiner System. This allows ease of installation and ensures a uniform appearance (see page 10 for details).

Weight: 3.2 lb. per foot.

Electrical/Performance:

LED Light Engine - Brand-name mid-power LEDs create a high efficiency LED light engine able to provide a lumen maintenance of 95% at 25,000 hours and 90% at 60,000 hours at 25°C per TM-21 reports. Reported L70 greater than 60,000 hours.

Photometrics - Consult website or factory for IES Files. Independent photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a ±5% tolerance. For outputs based on different optics or CCT, please see page 15 for details.

CCT - Available in 2700K, 3000K, 3500K and 4000K, tolerance within a 3-step MacAdam ellipse.

CRI - 90+ and 80+ CRI.

All Drivers - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90. For more detailed information on the available drivers please see page 7.

Sensors - Selux offers a variety of integral sensor options. For details and specifications, please refer to page 12.

Emergency - There are multiple emergency options available - Emergency Circuit, Remote Micro Inverter, and Integral EM Battery Pack. Please consult factory for use of sensors with emergency options. For more details on EC and EM options, see page 10.

Thermal Performance:

Ambient Operating Temperature - Luminaires suitable for maximum ambient temperature of 25°C (77°F) for DE1 at 1C40 and 1C45 light engines; 35°C (95°F) for all others.

Luminaires are suitable for minimum ambient temperatures of -40°C (-40°F) for DIM, DIL, DED, D01, and DL01 drivers; 0°C (32°F) for DE1 drivers.

Luminaire Finish:

Powder Coat - All Selux luminaires are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention.

Standard interior colors are White (WH), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

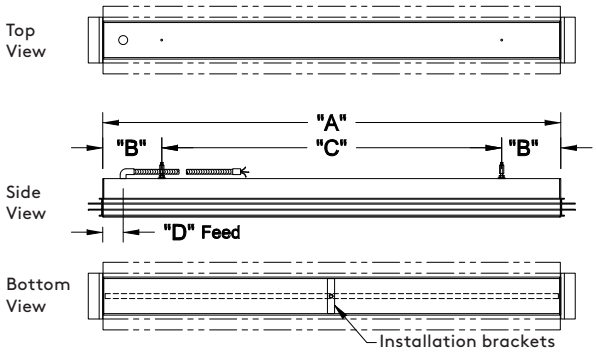
Warranty:

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the M100 LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the Ambient Temperature.
For additional details and exclusions, see "Selux Terms and Condition of Sale."

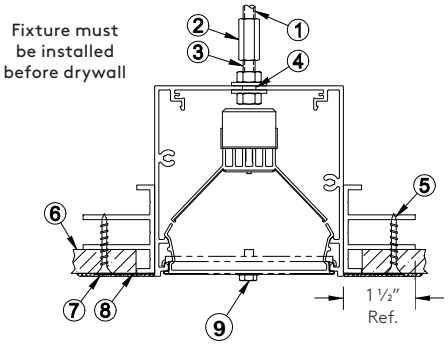
Certifications and Compliance:

NRTL - For Dry and Damp Locations
(I.E. cULus; cCSAus)
ARRA Compliant
RoHS Compliant
IC Rated (EM option is non-IC Rated)

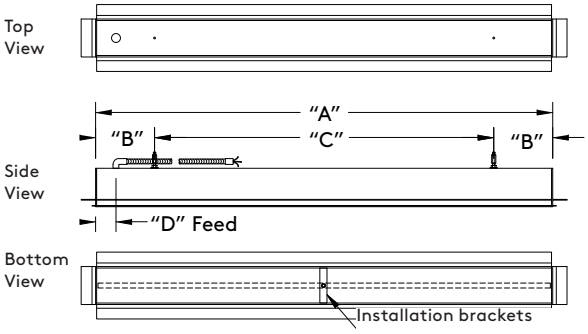
½" Spackle Flange Mounting (SF1)



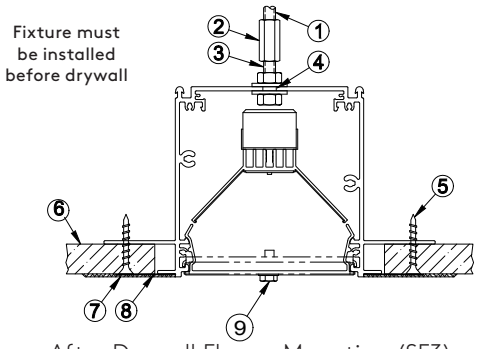
½" Spackle Flange Mounting (SF1)



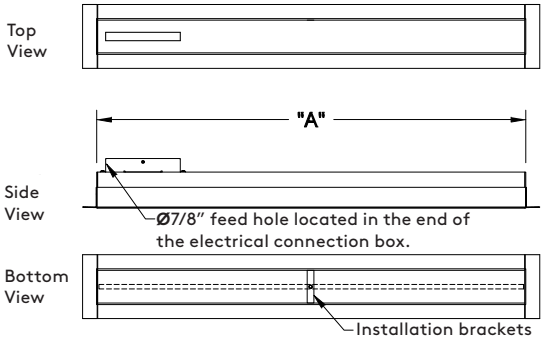
⅝" Spackle Flange Mounting (SF2)



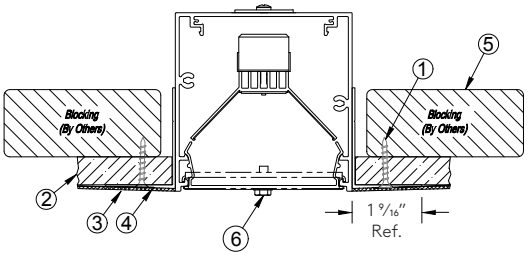
⅝" Spackle Flange Mounting (SF2)



After Drywall Flange Mounting (SF3)



After Drywall Flange Mounting (SF3)

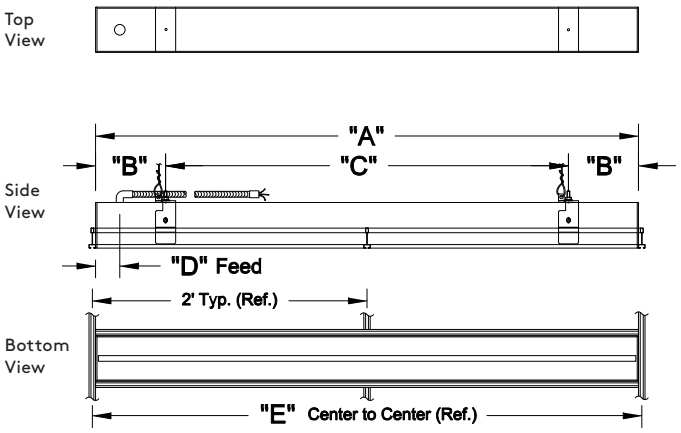


Spackle Flange Mounting (SF1, SF2, and SF3) - Dimensions								
Nominal Length	**"A" Overall Length without Flange**		**"B" End Suspensions**		*** "C" (Ref.) Mid Suspension**		**"D" Feed Location**	
	Feet/Inch	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**
01 (1 ft.)	1' - ¼"	311	0' - 1 ⅝"	41	0' - 9"	229	0' - 4 ⅛"	105
02 (2 ft.)	2' - ¼"	616	0' - 1 ⅝"	41	1' - 9"	533	0' - 4 ⅛"	105
03 (3 ft.)	3' - ¼"	921	0' - 6 ⅛"	156	2' - 0"	609	0' - 2 ⅛"	54
04 (4 ft.)	4' - ¼"	1226	0' - 6 ⅛"	156	3' - 0"	914	0' - 2 ⅛"	54
05 (5 ft.)	5' - ¼"	1530	0' - 6 ⅛"	156	4' - 0"	1219	0' - 2 ⅛"	54
06 (6 ft.)	6' - ¼"	1835	0' - 6 ⅛"	156	5' - 0"	1524	0' - 2 ⅛"	54
07 (7 ft.)	7' - ¼"	2140	0' - 6 ⅛"	156	6' - 0"	1829	0' - 2 ⅛"	54
08 (8 ft.)	8' - ¼"	2445	0' - 6 ⅛"	156	7' - 0"	2134	0' - 2 ⅛"	54

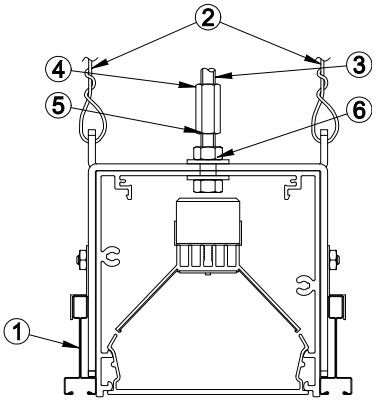
*Dimension(s) rounded to the nearest 1⁄16" with a ± 1⁄16" (1mm) tolerance.

1. ¼"-20 Threaded rod to structure (supplied and installed by others).
2. ¼"-20 Coupler hardware (supplied and installed by others).
3. 1" ¼"-20 Stud (by Selux).
4. Ø5⁄16" (Ø7mm) mounting hole.
5. Drywall screw (Reference).
6. Drywall (Reference).
7. 1⁄16" Plaster skimcoat (Reference).
8. Drywall/Drywall tape (Reference).
9. Blocking to secure fixture (by others).
10. Electrical connection box, removable side cover for electrical connection pre-installation, once installed the wiring is accessible from below the ceiling through the luminaire.
11. Luminaires ship with the brackets pre-installed.
    - The brackets cannot be removed until the fixture is completely installed and secured through the spackle flange.
    - Once the brackets are removed, the lens can be installed.

Slot Grid Mounting (SG)



9⁄16" Slot Grid Mounting (SG)
(Wire Suspension or ¼"-20 Stud)

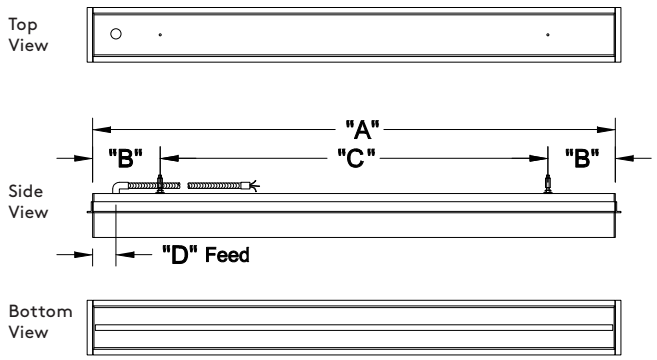


1. 9⁄16" Slot grid (shown as reference).
2. Support wire to structure (supplied and installed by others).
3. ¼"-20 Threaded rod to structure (supplied and installed by others).
4. ¼"-20 Coupler hardware (supplied and installed by others).
5. 1" ¼"-20 Stud (by Selux).
6. Ø5⁄16" (Ø7mm) mounting hole.

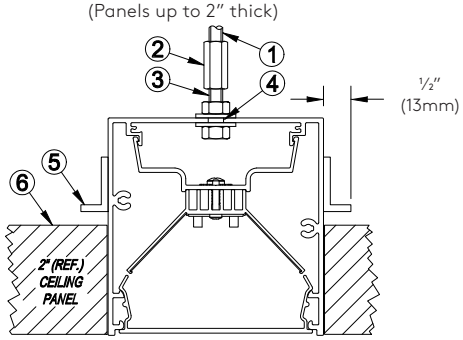
Slot Grid Mounting (SG) - Dimensions									
Nominal Length	"A" Housing Length		"B" End Suspensions		* "C" (Ref.) Mid. Suspension		"D" Feed Location		"E" Grid Spacing
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	
02 (2 ft.)	1' - 11 5⁄16"	592	0' - 1 5⁄8"	41	1' - 5 3⁄16"	437	0' - 1 1⁄8"	29	2' Center to Center
04 (4 ft.)	3' - 11 5⁄16"	1202	0' - 6 1⁄8"	156	2' - 11 3⁄16"	894	0' - 2 1⁄8"	54	4' Center to Center
05 (5 ft.)	4' - 11 5⁄16"	1507	0' - 6 1⁄8"	156	3' - 11 3⁄16"	1199	0' - 2 1⁄8"	54	5' Center to Center
06 (6 ft.)	5' - 11 5⁄16"	1811	0' - 6 1⁄8"	156	5' - 11 3⁄16"	1504	0' - 2 1⁄8"	54	6' Center to Center
08 (8 ft.)	7' - 11 5⁄16"	2421	0' - 6 1⁄8"	156	6' - 11 3⁄16"	2113	0' - 2 1⁄8"	54	8' Center to Center

*Dimension(s) rounded to the nearest 1⁄16" with a ± 1⁄16" (1mm) tolerance.

Decoustic Mounting (DC)



Decoustic Mounting (DC)
(Panels up to 2" thick)

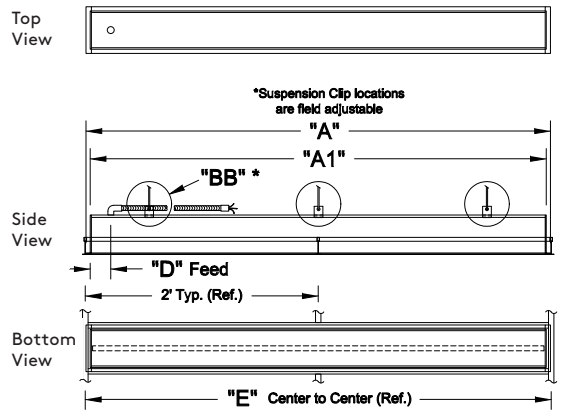


Decoustic Mounting (DC) - Dimensions								
Nominal Length	"A" Housing Length		"B" End Suspensions		* "C" (Ref.) Mid. Suspension		"D" Feed Location	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
01 (1 ft.)	1' - ¼"	311	0' - 1 5⁄8"	41	0' - 9"	229	0' - 4 1⁄8"	105
02 (2 ft.)	2' - ¼"	616	0' - 1 5⁄8"	41	1' - 9"	533	0' - 4 1⁄8"	105
03 (3 ft.)	3' - ¼"	921	0' - 6 1⁄8"	156	2' - 0"	609	0' - 2 1⁄8"	54
04 (4 ft.)	4' - ¼"	1226	0' - 6 1⁄8"	156	3' - 0"	914	0' - 2 1⁄8"	54
05 (5 ft.)	5' - ¼"	1530	0' - 6 1⁄8"	156	4' - 0"	1219	0' - 2 1⁄8"	54
06 (6 ft.)	6' - ¼"	1835	0' - 6 1⁄8"	156	5' - 0"	1524	0' - 2 1⁄8"	54
07 (7 ft.)	7' - ¼"	2140	0' - 6 1⁄8"	156	6' - 0"	1829	0' - 2 1⁄8"	54
08 (8 ft.)	8' - ¼"	2445	0' - 6 1⁄8"	156	7' - 0"	2134	0' - 2 1⁄8"	54

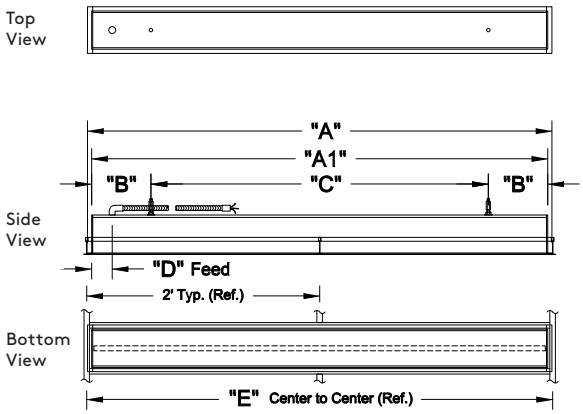
*Dimension(s) rounded to the nearest 1⁄16" with a ± 1⁄16" (1mm) tolerance.

1. ¼"-20 Threaded rod to structure (supplied and installed by others).
2. ¼"-20 Coupler hardware (supplied and installed by others).
3. 1" ¼"-20 Stud (by Selux).
4. Ø5⁄16" (Ø7mm) mounting hole.
5. ½" wide aluminum angle runs the entire length of fixture to block view into plenum area from below fixture.
6. Suitable for Decoustic® ceiling panel installations with panels up to 2" thick (supplied and installed by others). Other ceiling systems possible, please consult factory. Decoustic® is a registered trademark of Decoustics Ltd. Corporation.

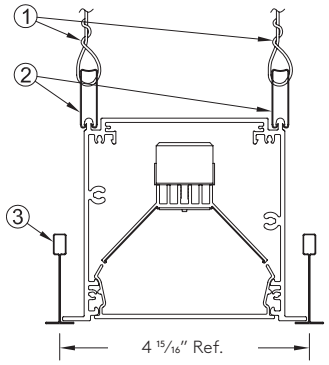
T-Bar Mounting (TB)



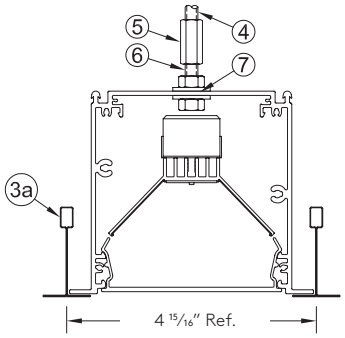
T-Bar with Stud Mounting (TBS)



T-Bar with Suspension Clips (TB)
(9⁄16" or 15⁄16" grid)



T-Bar with ¼"-20 Stud (TBS)
(9⁄16" or 15⁄16" grid)



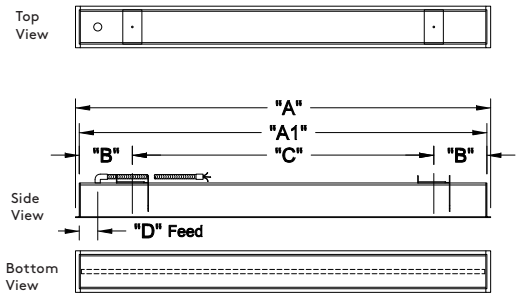
1. Support wire to structure (supplied and installed by others).
2. Spring steel suspension clips located approximately every 4 ft. (supplied by Selux).
3. 9⁄16" T-bar grid (shown as ref.)
3a. 15⁄16" T-bar grid (shown as ref.)
4. ¼"-20 Threaded rod to structure (supplied and installed by others).
5. ¼"-20 Coupler hardware (supplied and installed by others).
6. 1" ¼"-20 Stud (by Selux).
7. Ø5⁄16" (Ø7mm) mounting hole.

T-Bar (TB and TBS) - Dimensions														
Nominal Length	**"A" Overall Length with Flange**		**"A1" Overall Length without Flange**		**"B" End Suspensions**		**"BB" (TB mounting) Suspension Clips**	**** "C" (Reference) Mid Suspension**		**"D" Feed Location**		**"E" Grid Spacing**	**"F" Wall Angle**	
	Feet/Inch	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**	**Quantity**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**		**Feet/Inch**	**MM**
***02 (2 ft.)**	1' - 11 13⁄16"	605	1' - 11"	583	0' - 1 5⁄8"	41	4x	1' - 4 3⁄4"	425	0' - 1 1⁄8"	29	2' Center to Center	1' - 11 13⁄16"	605
***04 (4 ft.)**	3' - 11 13⁄16"	1215	3' - 11"	1193	0' - 6 1⁄8"	156	6x	2' - 10 3⁄4"	882	0' - 2 1⁄8"	54	4' Center to Center	3' - 11 13⁄16"	1215
***05 (5 ft.)**	4' - 11 13⁄16"	1519	4' - 11"	1497	0' - 6 1⁄8"	156	6x	3' - 10 3⁄4"	1187	0' - 2 1⁄8"	54	5' Center to Center	4' - 11 13⁄16"	1519
***06 (6 ft.)**	5' - 11 13⁄16"	1825	5' - 11"	1803	0' - 6 1⁄8"	156	6x	4' - 10 3⁄4"	1492	0' - 2 1⁄8"	54	6' Center to Center	5' - 11 13⁄16"	1825
***08 (8 ft.)**	7' - 11 13⁄16"	2434	7' - 11"	2412	0' - 6 1⁄8"	156	8x	6' - 10 3⁄4"	2101	0' - 2 1⁄8"	54	8' Center to Center	7' - 11 13⁄16"	2434

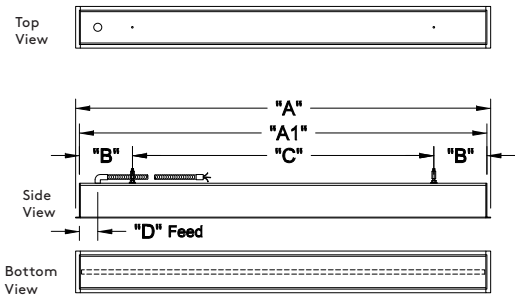
*For other lengths consult factory

**Dimension(s) rounded to the nearest 1⁄16" with a ± 1⁄16" (1mm) tolerance.

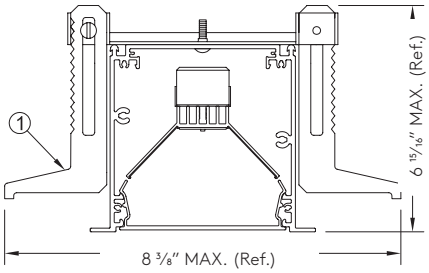
Rotating Crossbar Mounting (RC)



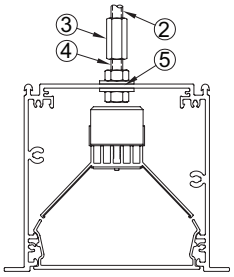
¼"-20 Threaded Stud Mounting (TS)



Rotating Crossbars (RC)
(¼" to 2" thick ceiling)



¼"-20 Threaded Stud (TS)
(1" Threaded Stud)



1. Rotating Crossbar intended for inaccessible ceilings, adjustable for ceiling thickness of ¼" to 2".
2. ¼"-20 Threaded rod to structure (supplied and installed by others).
3. ¼"-20 Coupler hardware (supplied and installed by others).
4. 1" ¼"-20 Stud (by Selux).
5. Ø5/16" (Ø7mm) mounting hole.

Rotating Crossbar (RC) and Threaded Stud (TS) - Dimensions												
Nominal Length	**"A" O.A.L. with Flange**		**"A1" O.A.L. without Flange**		**"B" End Suspensions**		**** "C" (Ref.) Mid. Suspension**		**"D" Feed Location**		**"E" Wall Angle**	
	Feet/Inch	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**	**Feet/Inch**	**MM**
***01 (1 ft.)**	1' - 1 1/8"	333	1' - 1/4"	311	0' - 1 5/8"	41	0' - 9"	229	0' - 4 1/8"	105	1' - 0"	305
02 (2 ft.)	2' - 1 1/8"	638	2' - 1/4"	616	0' - 1 5/8"	41	1' - 9"	533	0' - 4 1/8"	105	2' - 0"	610
03 (3 ft.)	3' - 1 1/8"	942	3' - 1/4"	921	0' - 6 1/8"	156	2' - 0"	609	0' - 2 1/8"	54	3' - 0"	914
04 (4 ft.)	4' - 1 1/8"	1247	4' - 1/4"	1226	0' - 6 1/8"	156	3' - 0"	914	0' - 2 1/8"	54	4' - 0"	1219
05 (5 ft.)	5' - 1 1/8"	1552	5' - 1/4"	1530	0' - 6 1/8"	156	4' - 0"	1219	0' - 2 1/8"	54	5' - 0"	1524
06 (6 ft.)	6' - 1 1/8"	1857	6' - 1/4"	1835	0' - 6 1/8"	156	5' - 0"	1524	0' - 2 1/8"	54	6' - 0"	1829
07 (7 ft.)	7' - 1 1/8"	2162	7' - 1/4"	2140	0' - 6 1/8"	156	6' - 0"	1829	0' - 2 1/8"	54	7' - 0"	2134
08 (8 ft.)	8' - 1 1/8"	2466	8' - 1/4"	2445	0' - 6 1/8"	156	7' - 0"	2134	0' - 2 1/8"	54	8' - 0"	2438

*RC mounting, consult factory for lengths under 2'

**Dimension(s) rounded to the nearest 1/16" with a ± 1/16" (1mm) tolerance.

Drivers:

0-10V linear dimming (DIM)
Luminaires supplied with drivers offering the capability of either normal switched operation of 0-10V dimming for linear dimming curve. Fixtures ship wired for dimming. For on/off functionality, simply cap the dimming leads. Minimum dimming level preset at factory to 1%. (Due to size constraints, 1' luminaires are supplied with a driver from a different manufacturer than 2' and above luminaires. For details, please consult factory).

0-10V logarithmic dimming (DIL)
Luminaires supplied with drivers offering the capability of either normal switched operation of 0-10V dimming for logarithmic dimming curve, Fixtures shipped wired for dimming. For on/off functionality, simply cap the dimming leades. Minimum dimming level preset at factory to 1%.

eldoLED ECOdrive DALI-2 dimming (DED)
Luminaires supplied with ECOdrive DALI-2 dimming driver with logarithmic dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

eldoLED SOLOdrive 0-10V linear dimming (D01)
Luminaires supplied with SOLOdrive 0-10V dimming driver with linear dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

eldoLED SOLOdrive 0-10V logarithmic dimming (DL01)
Luminaires supplied with SOLOdrive 0-10V dimming driver with logarithmic dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

LUTRON EcoSystem dimming (DE1)
Luminaires supplied with Hi-Lume EcoSystem (4 wire, digital link) dimming driver programmed for Constant Current Reduction (CCR). Minimum dimming level down to 1% with SoftOn/FadeToBlack.

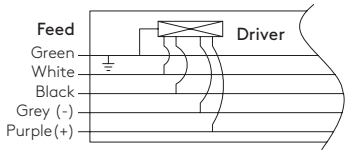
* For control recommendations, please contact driver manufacturer.

<table>
<tr><td colspan="18">Driver Quantity</td></tr>
<tr><td rowspan="2">Light Engine</td><td rowspan="2">Dimming Code</td><td colspan="16">Length</td></tr>
<tr><td>1ft</td><td>2ft</td><td>2ft SG/TB</td><td>3ft</td><td>4ft</td><td>4ft SG/TB</td><td>5ft</td><td>5ft SG/TB</td><td>6ft</td><td>6ft SG/TB</td><td>7ft</td><td>8ft</td><td>8ft SG/TB</td><td>9ft</td><td>10ft</td><td>11ft</td><td>12ft</td></tr>
<tr><td rowspan="2">1C20</td><td>DIM/DIL</td><td rowspan="4">N/A</td><td colspan="7" rowspan="6">1</td><td rowspan="6">2</td><td rowspan="6">1</td><td rowspan="6">2</td><td colspan="2" rowspan="4">1</td><td colspan="2" rowspan="4">2</td><td colspan="2" rowspan="4">2</td><td rowspan="3">1</td></tr>
<tr><td>D01/DL01/DED/DE1</td></tr>
<tr><td rowspan="2">1C25</td><td>DIM/DIL</td></tr>
<tr><td>D01/DL01/DED/DE1</td></tr>
<tr><td rowspan="2">1C30</td><td>DIM/DIL</td><td colspan="2" rowspan="3">2</td><td rowspan="3">2</td></tr>
<tr><td>D01/DL01/DED/DE1</td></tr>
<tr><td rowspan="2">1C35</td><td>DIM/DIL</td><td>1</td><td>1</td><td>2</td><td>1</td></tr>
<tr><td>D01/DL01/DED/DE1</td><td rowspan="4">N/A</td><td colspan="7" rowspan="4">1</td><td rowspan="4">2</td><td rowspan="4">1</td><td rowspan="4">2</td><td rowspan="2">2</td><td colspan="4" rowspan="2">2</td><td colspan="2" rowspan="4">3</td></tr>
<tr><td rowspan="2">1C40</td><td>DIM/DIL/DE1</td></tr>
<tr><td>D01/DL01/DED</td><td>1</td></tr>
<tr><td rowspan="2">1C45</td><td>DIM/DIL/DE1</td><td colspan="6" rowspan="2">1</td><td>2</td><td colspan="4" rowspan="2">2</td><td>3</td><td rowspan="2">2</td></tr>
<tr><td>D01/DL01/DED</td><td>1</td><td>2</td></tr>
</table>

*For inrush and control current, please refer to the driver manufacturers' spec sheets.

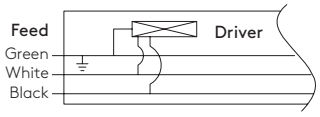
Wiring Diagrams

0-10V linear (DIM)
0-10V logarithmic eldoLED ECOdrive (DIL)
DALI logarithmic eldoLED ECOdrive (DED)
0-10V linear eldoLED SOLOdrive (D01)
0-10V logarithmic eldoLED SOLOdrive (DL01)

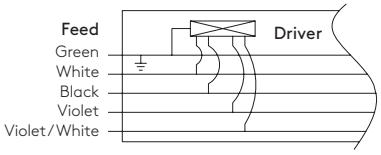


Standard Wiring supplied for all drivers	Green = Ground White = Neutral Black = Hot
- The following wire(s) are in addition to the standard above -	
DIM, DIL, DED, D01, DL01	Gray = (-) DALI or 0-10V Dimming Control Purple = (+) DALI or 0-10V Dimming Control
DC2	No additional wires
DE1	Violet = "E1" Digital Link Dimming Control Violet/White = "E2" Digital Link Dimming Control

Lutron 2-Wire (DC2)

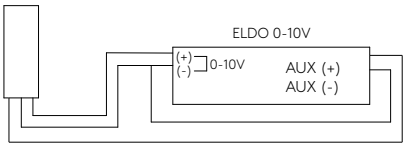


Lutron EcoSystem (DE1)

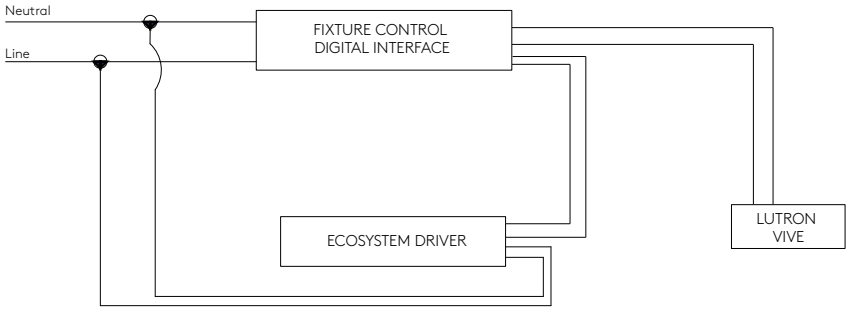


Sensor Wiring Diagrams

Sensor Switch



Lutron Vive



Driver power chart - use below values to determine the nominal watts per foot based on driver, light engine, and voltage.
* Driver losses increase the wattage for fixtures less than 4 foot.
** Values are nominal values determined based on multiple tested fixtures.

Driver Power Usage				
Driver	**Light Engine**	**Nominal W/ft**		
		120V	**277V**	**347V**
DIM, DIL, DED, D01, DL01	1C20	4.9	5.3	n/a
	1C25	6.1	6.5	
	1C30	7.3	7.7	
	1C35	8.7	8.9	
	1C40	9.9	10.1	
	1C45	11.1	11.3	
DE1	1C20	5.5	5.2	n/a
	1C25	6.7	6.3	
	1C30	8.0	7.6	
	1C35	9.3	8.8	
	1C40	10.5	10.0	
	1C45	11.7	11.2	
DIM@347V	1C20	n/a	n/a	5.4
	1C25			6.5
	1C30			7.7
	1C35			8.8
	1C40			10.0
	1C45			11.2
EM	all	6		n/a

Fuse (FS) - Fusing, luminaires supplied with a in-line fuse located on the hot wire for each feed (supplied with an 8A slow burn fuse).

Mixed Output - Luminaires have ability to offer mixed light engines (i.e. 1C35 direct and 1C25 indirect) starting at 4' and then in 2' steps (i.e. 6', 8', 10', 12', etc.).

Separate Switching (SS) - Luminaires available with separately switched 4' (nominal) sections starting at 7' and up. Luminaire is intended to be wired to the same panel/breaker (not intended for Emergency use).

* All separately switched (non-EM) circuits within an individual luminaire, linear run, or configuration must be connected to the same branch circuit on-site.

* To specify this option, the number of separately switched sections and locations of these sections must be provided at time of order.

* For Separate Switching with sensors, please consult factory.

Custom Switching (CS) - For project-specific switching requirements, please consult factory.

Emergency Wiring (EC) - EC luminaires are intended to be wired to separate panels/breakers for emergency use. See install instructions for proper wiring.

For 1' to 6' nominal luminaires, the entire fixture is wired for operation on emergency circuit.

For 7' and up nominal luminaires, the first 4' nominal length is wired for operation by a separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101).

If a different configuration is needed, please consult factory.

Note: Wiring may vary slightly due to on-site conditions or local codes. Please follow all safety installation protocols contained within install instructions when installing luminaire.

Emergency Battery (EM) – The EM battery is located integral to fixture and is factory pre-wired. See install instructions for proper wiring.

10W constant power Emergency Battery Pack.

Direct fixtures are available for emergency battery (EM) use in 4' and ≥6. Due to size constraints, EM is not available in 5' fixtures.

For individual fixtures, emergency option will illuminate the first 4' section of fixture. For continuous runs, please consult factory to advise on 4' section intended for emergency use. For fixtures >12' or if a different configuration is needed, please consult factory.

For fixtures >12' or if a different configuration is needed, please consult factory.

Emergency test switch is located next to the geartray, behind the lens.

*Emergency battery option is UNV for use with 120V or 277V and is not available for 347V.

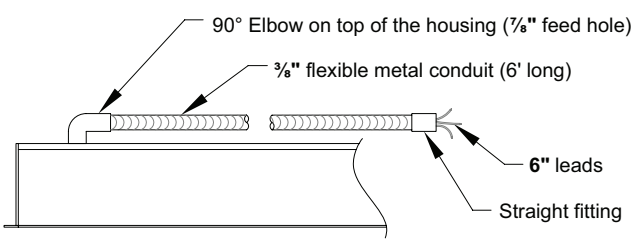
*Please note battery pack requires an unswitched hot.

*For EM with sensors, please consult factory.

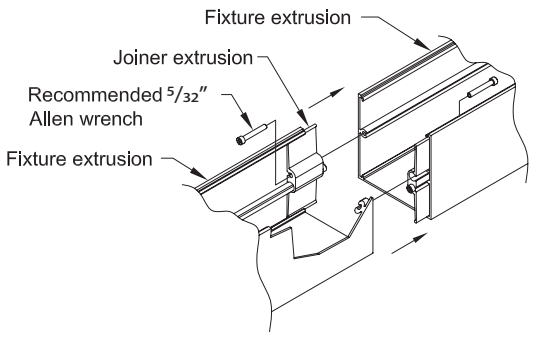
*If a different configuration is needed, please consult factory.

Note: Wiring may vary slightly due to on-site conditions or local codes. Please follow all safety installation protocols contained within install instructions when installing luminaire.

Flex Whip - standard for recessed fixtures

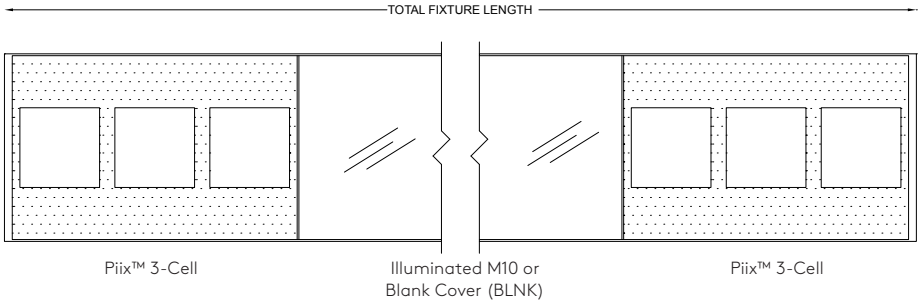


Joiner System - standard for Runs and Configurations

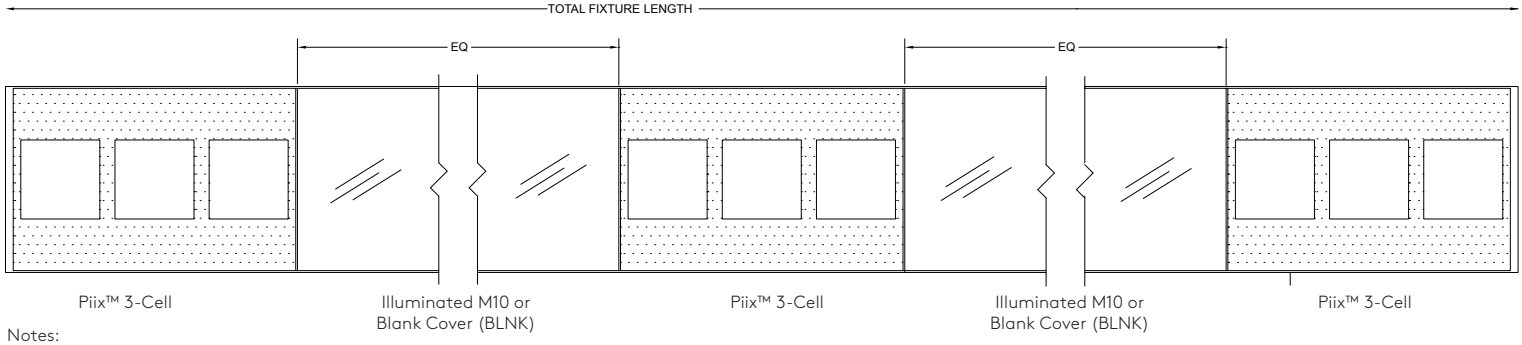


M100 + Piix™ - Piix™ module standard placement. For other placement options, please consult factory.

Example 2P3



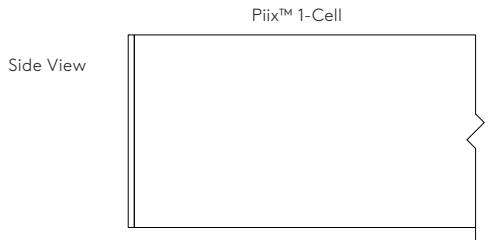
Example 3P3

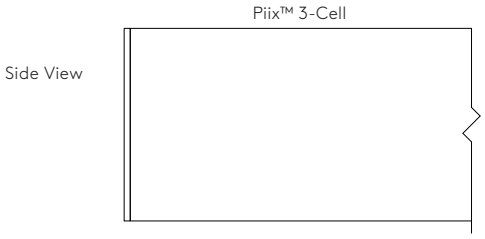


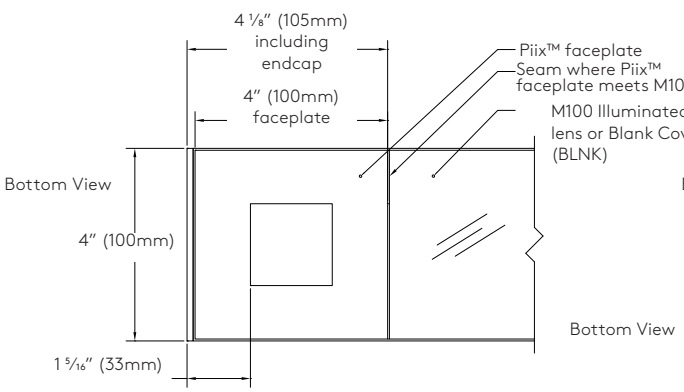
Notes:
1. 1-cell and 3-cell Piix™ modules available standard.
2. Piix™ cells will always have Black baffle, no secondary optics, 35° reflector, and 35G1 light engine.
3. Piix™ faceplate finish will match M100 housing finish.
4. CCT of Piix™ will match CCT specified for M100.
5. If (2) Piix™ modules are specified, they will always be located at the ends of fixture length.
6. If more than (2) Piix™ modules are specified, they will always be located at the ends of the fixture, and evenly spaced along length of the fixture.

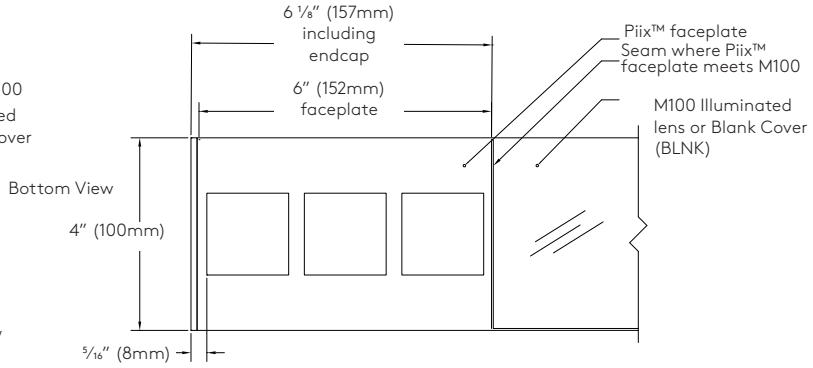
If any other configuration is needed, please consult factory.

M100 + Piix™ - Piix™ module standard placement. If other number of Piix™ cells are required, please consult factory.









Sensor Ordering Chart		
Quantity	**Sensor**	**Settings***
x Number of Sensors	**S** Sensor Switch MSD EZ **V** Lutron Vive DFCSJ	**1** Daylight **2** Occupancy/Vacancy **3** Daylight/Occupancy/Vacancy * Settings not available with Enlighted

.
*Sensor can control up to 5 drivers. Please refer to driver quantity chart on page 7. Multiple sensors may be required for longer lengths.

Sensor Switch MSD EZ (S)
Occupancy/vacancy and daylight harvesting. For full functionality and programming options, select settings option 3. If a different settings option is selected, other settings may be unavailable. For full details, please see MSD EZ spec sheets on the Sensor Switch website. Must be paired with DIM driver selection. Manual control of dimming not available with MSD EZ sensor.

*Sensor can control up to 30 drivers. Please refer to driver quantity chart on page 7. Multiple sensors may be required for longer lengths.

Lutron Vive DFCSJ (V)
The DFCSJ-OEM-OCC provides the capabilities of daylight harvesting and occupancy/vacancy sensing. When integrated with the DFC-OEM-DBI (Fixture Contrio Digital Link Interface), the sensor is wirelessly compatible with the DE1 Lutron EcoSystem driver. Commissioning by certified Lutron technician.

*Vive DFCSJ sensor can control up to a maximum of five (5) drivers per sensor. Please refer to driver chart on page 7. Multiple sensors may be required for longer lengths.

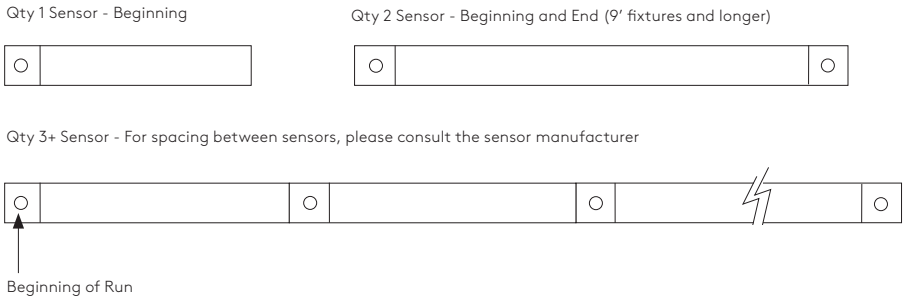
	Occupancy	**Vacancy**	**Daylight Harvesting**	**Driver Compatibility**
Sensor Switch MSD EZ (S)	√	√	√	DIM
Lutron Vive DFCSJ (V)	√	√	√	DE1

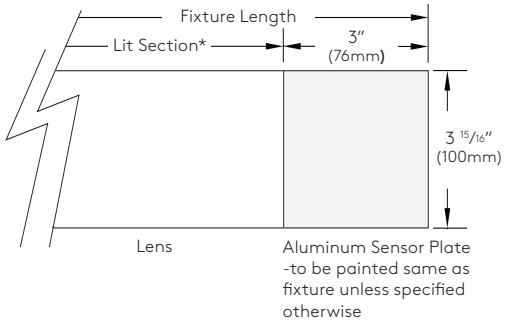
Please contact controls manufacturer for details prior to specifying.

Factory Presets - Sensors come from the sensor manufacturer with factory presets for each of the settings in above chart. Please see sensor manufacturers' spec sheets for details on presets and re-programming.

Commissioning - Commissioning of sensors and installation by others. Contact sensor manufacturer for details and costs associated with commissioning the system prior to specification of sensors.

Standard Sensor Placement - for other placement options, please consult factory. For functionality and limitations, please see sensor details above.





Notes: 1. For spacing between sensors, please consult the sensor manufacturer.
2. Exact sensor placement and coverage will be defined by approved factory drawing.
3. Sections controlled by sensors may not be symmetrical - consult factory for layout.

*Lit section will be the fixture length minus 3" for sensor plate.

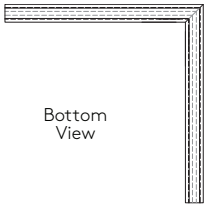
Standard Recessed (L10) shapes/configurations (L9, T9, X9, V9):

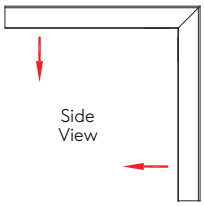
Listed below are the minimum lengths and details for standard shapes. These standard shapes can be combined with each other and/or the standard luminaire lengths, ensuring full even illumination. If you have any questions, please consult the factory.

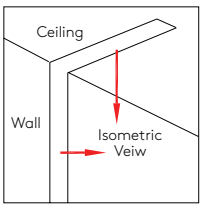
The minimum standard lengths for “L” shapes:
- L9 or V9 open shapes is 4’ x 4’ nominal (example: leg, 90, leg)
- L9 or V9 closed shapes is 6’ x 6’ nominal (example: 90, leg, 90)
(Exception is that the L9 and V9’s can be joined directly to provide a 4’ x 4’ nominal shape)

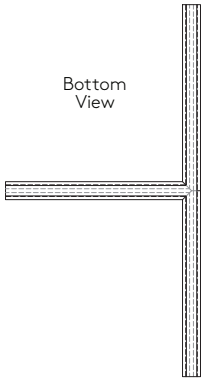
The minimum standard lengths for “T” and “X” shapes:
- T9 = 4’ nominal on the short leg and 8’ nominal on the long side
- X9 = 8’ nominal for either direction

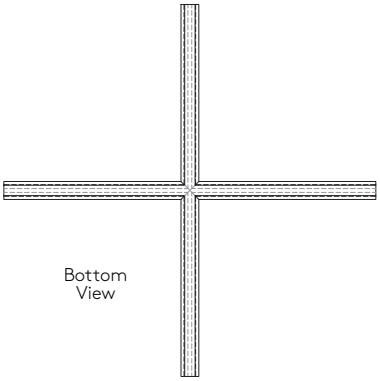
*For sensors in configurations, please consult factory.











Project Specific Recessed (L10) shapes/configurations (LC, TC, XC, VC):

Selux is capable of supplying a wide range of project solutions including different shapes, angles, and sizes to meet the project requirements. Due to the complex nature of these project specific layout(s) we ask that you please consult the factory with the project requirements for review.

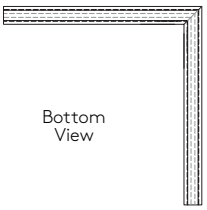
Standard Recessed (L1R1/2) shapes/configurations (L9, T9, X9, V9):

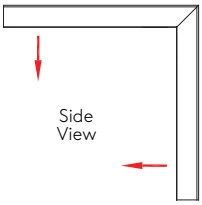
Listed below are the minimum lengths and details for standard shapes. These standard shapes can be combined with each other and/or the standard luminaire lengths, ensuring full even illumination. If you have any questions please consult the factory.

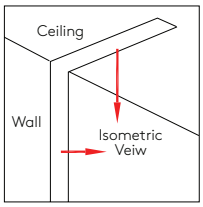
The minimum standard lengths for “L” shapes:
- L9 or V9 open shapes is 4’ x 4’ nominal (example, leg, 90, leg)
- L9 or V9 closed shapes is 6’ x 6’ nominal (example, 90, leg, 90)
(Exception is that the L9 and V9’s can be joined directly to provide a 4’ x 4’ nominal shape)

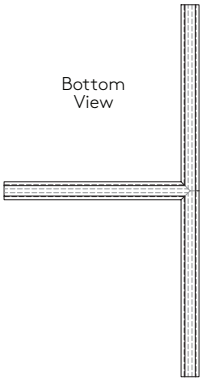
The minimum standard lengths for “T” and “X” shapes:
- T9 = 4’ nominal on the short leg and 8’ nominal on the long side
- X9 = 8’ nominal for either direction

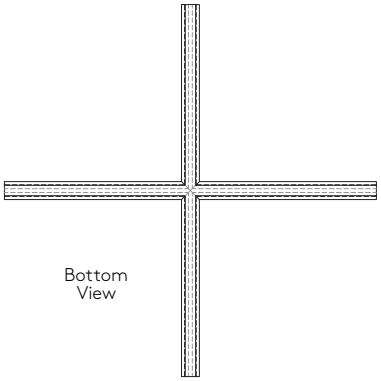
*For sensors in configurations, please consult factory.







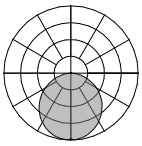




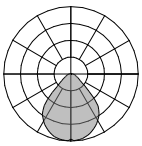
Project Specific Recessed (L36) shapes/configurations (LC, TC, XC, VC):

Selux is capable of supplying a wide range of project solutions including different shapes, angles, and sizes to meet the project requirements. Due to the complex nature of these project specific layout(s) we ask that you please consult the factory with the project requirements for review.

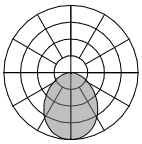
Photometry



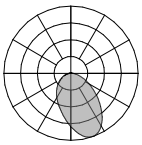
LW - LED Optimized White Lens				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	3219	758	8.8	86



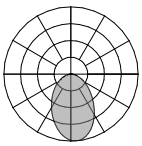
MI - Clear Lens with Microprism Inlay				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	3356	839	8.8	95



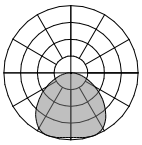
NB - LMO Symmetric				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	3005	751	8.8	85



A2 - LMO Asymmetric 20° Wall Washer				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	3032	758	8.8	86



A5 - LMO Asymmetric 5° Wall Grazer				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	3018	755	8.8	85



BW - LMO Batwing				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	2789	697	8.8	79

M100 Recessed	
CCT Multiplier	
4000K	1.05
3500K	1.00
3000K	0.96
2700K	0.92
CRI Multiplier	
90+ CRI	1.00
80+ CRI	1.19
Lens Multiplier	
LW	1.00
MI	1.04
NB	0.93
A2	0.94
A5	0.96
BW	0.87

CCT and CRI multipliers apply to the photometry, IES files, and per foot values listed on page 1 (light engine).

Lens multipliers supplied for per foot values listed on page 1 (light engine).