

Date: \_\_\_\_\_ Customer: \_\_\_\_\_

Project: \_\_\_\_\_

Type: \_\_\_\_\_ Qty: \_\_\_\_\_



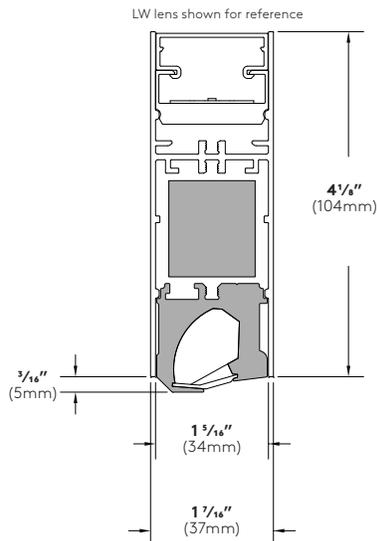
# M36 MRC Wall Washer LED Direct/Indirect



Order Code: L36DI - WW - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

<u>L36DI</u>	Series	<b>L36DI</b> M36 LED Direct/Indirect									
	Direct Light Engine	<b>A45</b> 724lm 9.2W per foot	<b>A35</b> 563lm 7.2W per foot	<b>A25</b> 402lm 5.1W per foot	<b>A15</b> 241lm 3.1W per foot				*Values calculated from a 4' fixture at 3500K, DIM driver (and LW shielding on indirect). For additional information please see page 2.		
	Indirect Light Engine	<b>1C45<sup>1</sup></b> 908lm 11.8W per foot	<b>1C40<sup>1</sup></b> 821lm 10.5W per foot	<b>1C35</b> 722lm 9.2W per foot	<b>1C25<sup>1</sup></b> 553lm 6.8W per foot	<b>1C3<sup>1</sup></b> 617lm 7.7W per foot	<b>1C20<sup>1</sup></b> 417lm 5.1W per foot	*Mixed output available 4' and up, see page 7 for details.			
<u>WW</u>	Direct Shielding	<b>WW</b> M36 MRC Wall Wash Optic									
	Indirect Shielding	<b>LW</b> LED Optimized White Lens	<b>MI</b> Clear Lens with Microprism	<b>NB</b> LMO Symmetric	<b>A2</b> LMO Asymmetric 20° Wall Washer	<b>A5</b> LMO Asymmetric 5° Wall Grazer	<b>WB</b> LMO Wide Batwing	<b>LU</b> Light Up Lens	<b>IA</b> LMO Indirect Asymmetric	* Select one Shielding option - optics cannot be "stacked" within the same fixture.	
	CCT	<b>927</b> 2700K 90+ CRI	<b>930</b> 3000K 90+ CRI	<b>935</b> 3500K 90+ CRI	<b>940</b> 4000K 90+ CRI						
	Mounting	<b>C</b> Cable	<b>S</b> Swivel Stem	<b>RS</b> Rigid Stem							
	Nominal Fixture Length	<b>04</b> 4 ft.	<b>05</b> 5 ft.	<b>06</b> 6 ft.	<b>07</b> 7 ft.	<b>08</b> 8 ft.	<b>09</b> 9 ft.	<b>10</b> 10 ft.	<b>11</b> 11 ft.	<b>12</b> 12 ft.	<b>XX</b> Runs (over 12') & Configurations, round up to the nearest foot and replace the "xx" with the # (i.e. 13=13' nominal)
	Housing Finish	<b>WH</b> White	<b>BL</b> Black; Semi-Matte	<b>SV</b> Silver	<b>SP</b> Specify Premium Color						* Custom colors are available, Please consult factory. Optic cover painted to match housing finish. For Semi-Matte Black optic cover, please consult factory.
	Voltage	<b>U</b> 120V through 277V 50/60hz capable	<b>3</b> 347V (consult factory)								
	Driver	<b>DIM<sup>2</sup></b> 0-10V, 1% (Linear)	<b>DED<sup>2</sup></b> eldoLED 1% ECOdrive DALI-2 (Logarithmic)	<b>D01<sup>2,3</sup></b> eldoLED 0.1% SOLOdrive 0-10V (Linear)	<b>DE1<sup>2</sup></b> Lutron 1% EcoSystem	<b>DC3</b> Lutron 1% 3-Wire (consult factory)					<sup>2</sup> See page 5 for details <sup>3</sup> Available in 1' increments only
	Fixture Options	<b>FS</b> In-Line Fuse	<b>SS<sup>4</sup></b> Separate Switching								<sup>4</sup> See page 6 for details
	Sensor Options	<b>xS1</b> Sensor Switch Daylight (consult factory)	<b>xS2</b> Sensor Switch Occ/Vac (consult factory)	<b>xS3</b> Sensor Switch Occ/Vac/ Daylight (consult factory)	<b>xSN</b> nLight Enabled (consult factory)	<b>xV</b> Lutron Vive (consult factory)	<b>AWR</b> Lutron Athena Wireless Node - RF only (consult factory)	<b>CA</b> Casambi Enabled (consult factory)			
	Emergency Options	<b>EC<sup>5</sup></b> Emergency Circuit	<b>EMR</b> Remote Micro Inverter (consult factory)	<b>EM<sup>5,6</sup></b> Integral EM Battery Pack							<sup>5</sup> See page 7 for full details and restrictions <sup>6</sup> EM available in 4' and x6'. Please consult factory for 5'
	Configuration Options	<b>IL9<sup>7</sup></b> Unlit Horizontal 90° Inside Corner (consult factory)	<b>OL9<sup>7,8</sup></b> Unlit Horizontal 90° Outside Corner								<sup>7</sup> See page 7 for details and restrictions. <sup>8</sup> Unlit corner uses blank faceplate, standard length is 36" long nominal. For other configurations, please consult factory.





### Construction:

**Housing** - Continuous, low copper 6063-T6 extruded aluminum profile with aluminum endcaps, available as Individual fixtures (up to 12') or Runs.

**Geartray** - Low copper 6063-T6 extruded aluminum profile.

**Direct Optics**- Injection molded Polycarbonate lens and aluminum vacuum metalized reflector.

**Shielding** - Injection molded Polycarbonate lens and aluminum vacuum metalized reflector (Direct).

Indirect - Extruded, impact resistant acrylic lens:

- LED Optimized White Lens (LW)
  - Clear Lens with Microprism Inlay (MI)
  - "LMO" Symmetric (NB)
  - "LMO" Asymmetric 20° Wall Washer (A2)
  - "LMO" Asymmetric 5° Wall Grazer (A5)
  - "LMO" Wide Batwing (WB)
  - LED Optimized Light Up Lens (LU)
  - "LMO" Indirect Asymmetric (IA)
- "LMO" refers to the Selux proprietary LED optical system - Light Modulation Optics.

**Mounting(s)** - 1/8" Aircraft Cable, Ø1/2" Swivel or Rigid Steel Stem, Wall Bracket, (see pages 3 through 4 for details).

\*\* Cable and Stem mountings may not be symmetrical for Runs and Configurations due to the use of modular housing lengths. If symmetrical suspensions are required please consult the factory.

**Standard Luminaire lengths** - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination. Runs and Configurations are available in approximately 6" increments starting at the nominal 4' fixture length with integral drivers (without EM).

\*\* 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. Run will comprise of 6" optic lengths that will fill length of Run, and identical blank optic covers at either end of fixture to fill in non-illuminated length. If any other configuration or run is required, please consult factory.

**M36 Joiner(s)** - Runs and Configurations are supplied in multiple housings that are joined together in the field using the supplied M36 Joiner System. This allows ease of installation and ensures a uniform appearance (see page 6 for detail).

**Weight** - 2.5 lb. per foot

### Electrical/Performance:

**LED Light Engine** - Brand-name mid-power LEDs create a high efficiency LED light engine with a reported luminous flux maintenance at 50,000 hours is 89% based on LM-80 test reports. The rated lumen maintenance life of L80 (10K) > 60,000 hours. Luminous flux values calculated in accordance to IES TM-21 procedures based on ANSI/IES LM-80 compliant reported measurement data. For Title 24 compliant model numbers, please consult factory.

**Photometrics** - Consult website or factory for IES Files. Photometric lumen measurement complies with - Consult website or factory for IES Files. 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 8 for details.

**CCT and CRI** - Available in 2700K, 3000K, 3500K and 4000K at 90+ CR, tolerance within a 3 step MacAdam ellipse.

**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 5.

**Sensors** - Selux offers a variety of integral sensor options. Consult factory for details and specifications.

**Emergency** - There are multiple emergency options available - emergency circuit, remote micro inverter, and integral battery pack. Please consult factory for use of sensors with emergency options. For more details on EC and EM options, see page 6.

### Thermal Performance:

**Ambient Operating Temperature** - Luminaires suitable for maximum ambient temperature of 35°C (95°F) for all drivers. Luminaires are suitable for minimum ambient temperatures of -40°C (-40°F) for DIM, DED, and D01 drivers; 0°C (32°F) for DC2 and 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), Black; Semi-Matte (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

### Warranty:

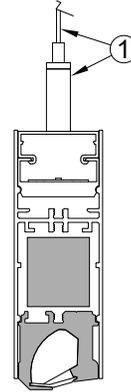
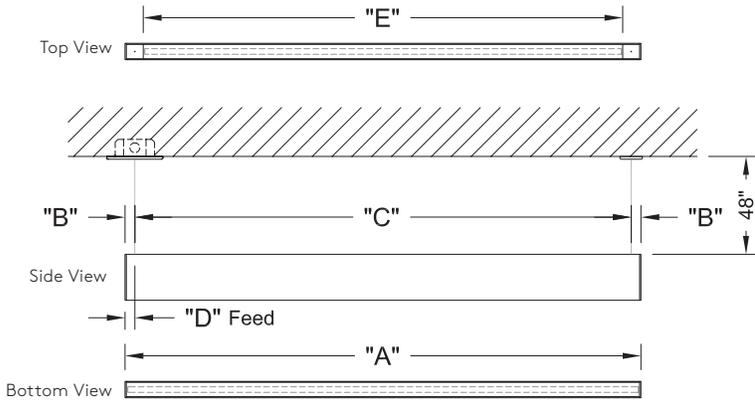
**5 Year Limited LED Luminaire Warranty** - Selux offers a 5 Year Limited Warranty to the original purchaser that the M36 series LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light 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 location  
(I.E. cULus; cCSAus)  
ARRA Compliant  
RoHS Compliant

**Cable Mounting (C)**

Cable Mounting (C)

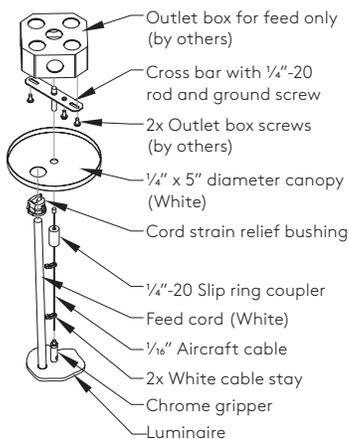


1. Ø 1/16" Aircraft Cable with chrome gripper for easy adjustment (48" max. from ceiling to luminaire).

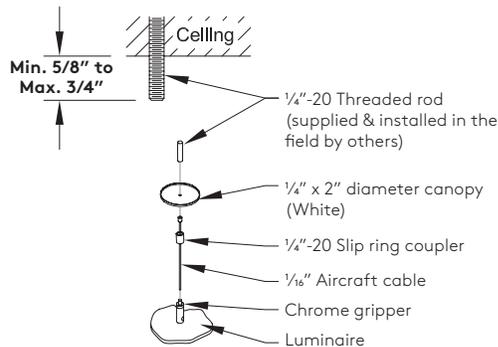
Cable Mounting (C) - Dimensions										
Nominal Length	"A" Housing Length		* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Feed Location		"E" Illuminated Length	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
04 (4 ft.)	4' - 1/2"	1,232	0' - 7/8"	22	3' - 10 3/4"	1,187	0' - 3/8"	10	3' - 9"	1,144
05 (5 ft.)	5' - 1/2"	1,536	0' - 7/8"	22	4' - 10 3/4"	1,492	0' - 3/8"	10	4' - 9"	1,448
06 (6 ft.)	6' - 1/2"	1,841	0' - 7/8"	22	5' - 10 3/4"	1,797	0' - 3/8"	10	5' - 9"	1,753
07 (7 ft.)	7' - 1/2"	2,146	0' - 7/8"	22	6' - 10 3/4"	2,102	0' - 3/8"	10	6' - 9"	2,058
08 (8 ft.)	8' - 1/2"	2,451	0' - 7/8"	22	7' - 10 3/4"	2,406	0' - 3/8"	10	7' - 9"	2,363
09 (9 ft.)	9' - 1/2"	2,756	0' - 7/8"	22	8' - 10 3/4"	2,711	0' - 3/8"	10	8' - 9"	2,668
10 (10 ft.)	10' - 1/2"	3,060	0' - 7/8"	22	9' - 10 3/4"	3,016	0' - 3/8"	10	9' - 9"	2,972
11 (11 ft.)	11' - 1/2"	3,365	0' - 7/8"	22	10' - 10 3/4"	3,321	0' - 3/8"	10	10' - 9"	3,277
12 (12 ft.)	12' - 1/2"	3,670	0' - 7/8"	22	11' - 10 3/4"	3,626	0' - 3/8"	10	11' - 9"	3,582

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

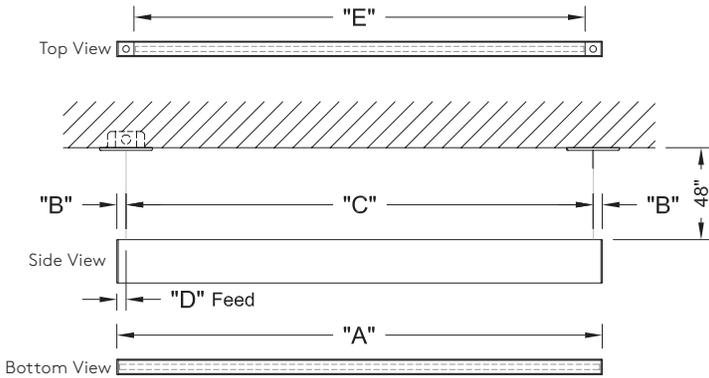
L36DI Cable (C) Suspension Detail  
(Feed location(s) only)



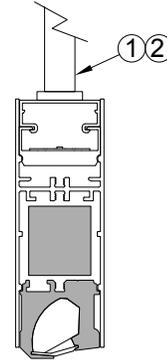
L36DI Cable (C) Suspension Detail  
(Non-Feed location(s) only)



**Stem Mounting (S & RS)**



Stem Mounting (S & RS)

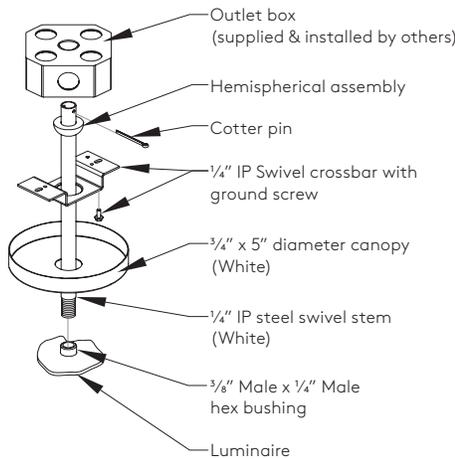


1.  $\varnothing 1/2"$  Swivel Stem provides 45° swivel and **can be cut in field** (48" max. from ceiling to luminaire).
2.  $\varnothing 1/2"$  Rigid Stem is fixed and is **not able to be cut/adjusted in field** (48" max. from ceiling to luminaire).

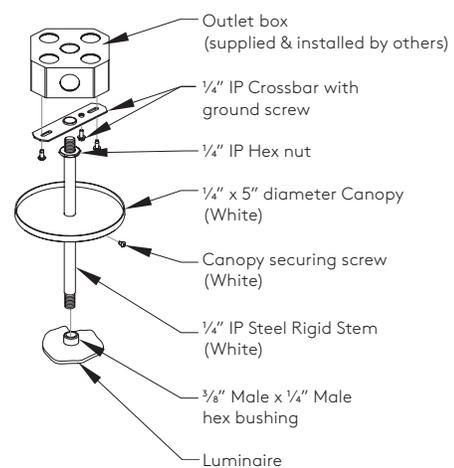
Swivel (S) & Rigid Stem (RS) Mountings - Dimensions										
Nominal Length	"A" Housing Length		* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Feed Location		"E" Illuminated Length	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
04 (4 ft.)	4' - 1/2"	1,232	0' - 7/8"	22	3' - 10 3/4"	1,187	0' - 7/8"	22	3' - 9"	1144
05 (5 ft.)	5' - 1/2"	1,536	0' - 7/8"	22	4' - 10 3/4"	1,492	0' - 7/8"	22	4' - 9"	1,448
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\*Dimension(s) rounded to the nearest 1/16" with a  $\pm 1/16"$  (1mm) tolerance.

L36DI Swivel Stem (S) Suspension Detail  
(feed wires through stem supplied by Selux)



L36DI Rigid Stem (RS) Suspension Detail  
(feed wires through stem supplied by Selux)



**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%.

**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”.

**LUTRON EcoSystem dimming (DE1)**

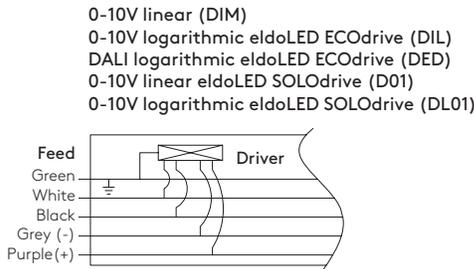
Luminaires supplied with Hi-Lume EcoSystem (4 wire, digital link) dimming driver programmed for Constant Current Reduction (CCR). Minimum dimming level down to 1% with SoftOn/FadeToBlack.

\*For control recommendations, please contact driver manufacturer.

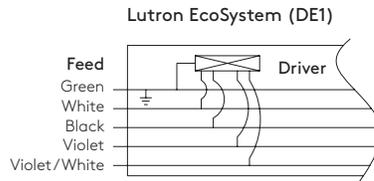
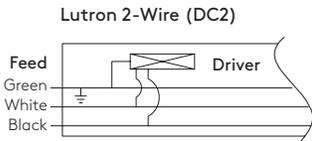
\*Consult factory for lead time.

\*Consult factory for drivers with logarithmic dimming.

**Wiring Diagrams**



Standard Wiring supplied for all drivers	Green = Ground White = Neutral Black = Hot
<b>- The following wire(s) are in addition to the standard above -</b>	
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



**Fuse (FS)** - Luminaires supplied with an in-line fuse located on the hot wire for each feed. (Supplied with an 8A slow burn fuse).

**Damp Location (DL)** - Luminaires are suitable for use in damp location(s). Examples of such locations include protected areas under canopies, marquees, roofed porches, and similar locations where the fixture(s) are protected from direct contact with rain, snow, or excessive moisture (such as ocean spray). Interior locations include areas subject to moderate degrees of moisture, such as basements and certain barns and cold storage buildings.

**Mixed Output** - Luminaires have ability to offer mixed light engines (i.e. A35 direct and 1C25 indirect) starting at 4' and then in 2' steps (i.e. 6', 8', 10', 12'...).

**Separate Switching (SS)** - Luminaire available with the Direct side switched separately from the Indirect side starting at the 4' nominal length and then in 2' nominal steps, i.e. 6', 8', 10', 12', etc... 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.

\*If the project requires different separate switching than outlined above please consult the factory.

\*For separate switching with sensors, 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. To be installed in accordance with national and local code.

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.

Emergency test switch and plate is a non-illuminated 3" blank section located adjacent to the length of fixture wired for emergency.

Emergency battery is suitable for a minimum temperature of 32°F. For lower temperatures, please consult factory.

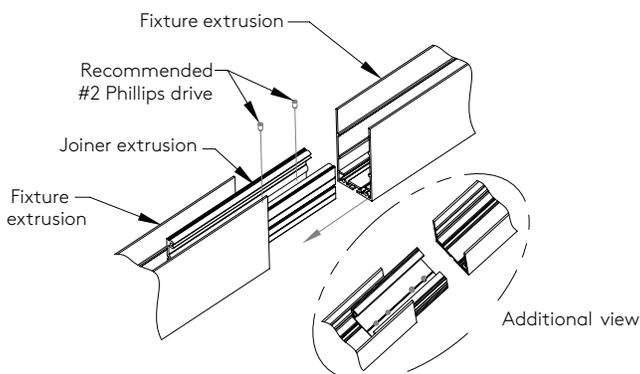
\*Emergency battery option is UNV for use with 120V or 277V and is not available for 347V.

\*Please note battery pack requires an unswitched hot.

\*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.

### Joiner System - Standard for Runs and Configurations



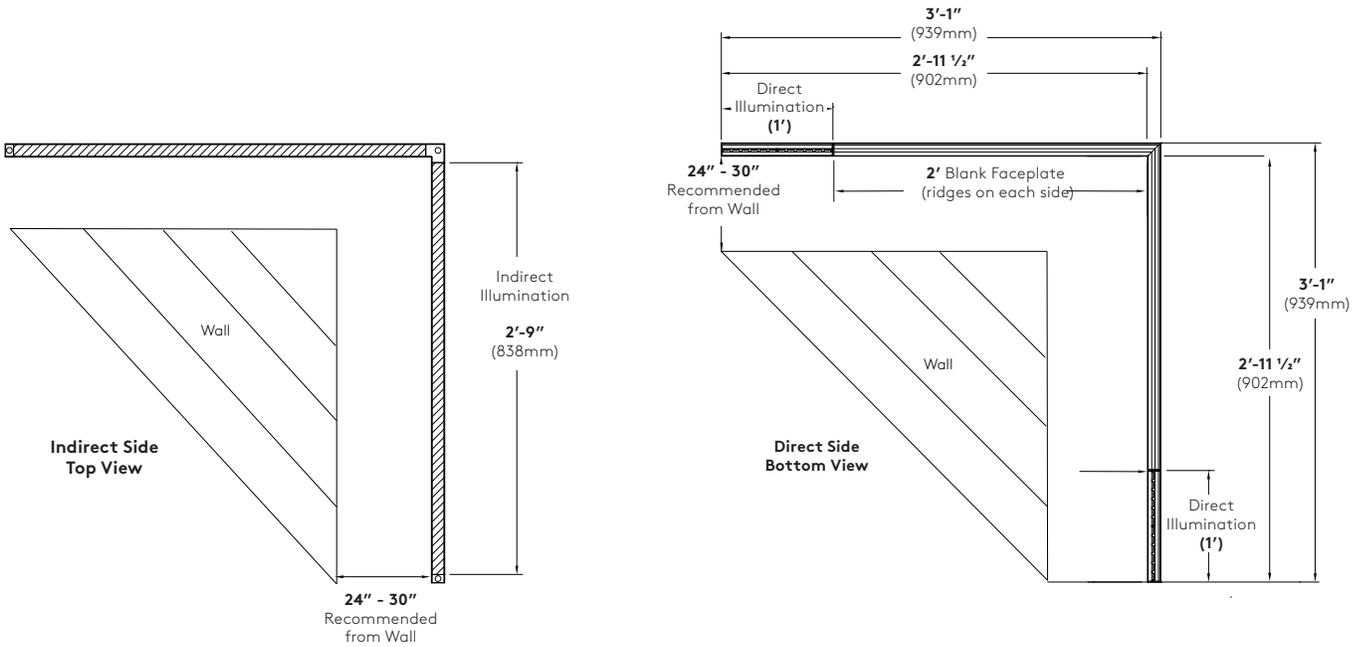
**Standard Direct/Indirect shapes/configurations:** Listed below are the minimum lengths and details for unlit horizontal 90° outside corners. These standard corners can be combined with each other and/or the standard luminaire lengths, ensuring full even illumination. If you have any questions, please consult the factory.

The minimum standard lengths for "L" shapes:

- OL9 is 3' x 3' nominal (example: leg, 90, leg).
- Standard unlit corner lengths are 36" to match with optimal wall washer distance from wall. If another length is desired, please consult factory.
- For inside corners, please consult factory.

\*For sensors in configurations, please consult factory.

**Unlit 90° Outside Corner (OL9)**

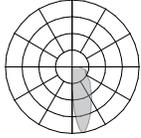


\*Dimension(s) rounded to the nearest 1/16" with a ± 1/16 (1mm) tolerance.

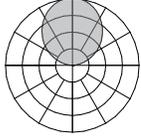
**Project Specific Direct/Indirect shapes/configurations:**

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.

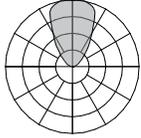
Photometry



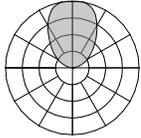
WW - M36 MRC Wall Wash (Direct Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
A35	2246	562	7.2	78



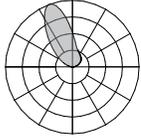
LW - LED Optimized White Lens (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
1C35	3322	831	8.86	94



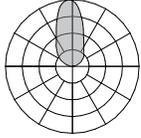
MI - Clear Lens with Microprism Inlay (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
1C35	3389	847	8.86	96



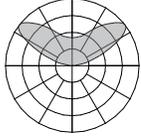
NB - LMO Symmetric (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
1C35	4051	1013	8.86	114



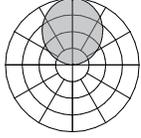
A2 - LMO Asymmetric 20° Wall Washer (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
1C35	4185	1046	8.86	118



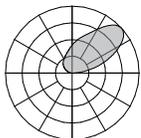
A5 - LMO Asymmetric 5° Wall Grazer (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	LM/W
1C35	4195	1049	8.86	118



WB - LMO Wide Batwing (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
1C35	3938	984	8.86	111



LU - Light Up Lens (Indirect Only)				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	Lm/W
1C35	3433	858	8.86	97



IA - Indirect Asymmetric				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1C35	3082	771	8.7	89

M36 MRC Wall Washer	
CCT Multiplier*	
4000K	1.02
3500K	1.00
3000K	0.97
2700K	0.93

M36 MRC Wall Washer	
Indirect Lens Multiplier**	
LW	1.00
MI	1.02
NB	1.22
A2	1.27
BW	1.11
LU	1.07
IA	0.93

Note: Due to the amount of variation of lens/distribution options possible, please import and align the individual direct and indirect IES files and group within the photometric program you are using.

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

Light engine and lens multiplier supplied for per foot values listed on page 1 (light engine).

\* Values calculated from a 4' fixture at 3500K, 90+ CRI WW optic and DIM driver.  
 \*\* Values calculated from a 4' fixture at 3500K, 90+ CRI using an LW lens and DIM driver.

## Declare.

**M36 MRC Wall Washer**  
Selux Corporation

Final Assembly: Highland, New York, USA  
 Life Expectancy: 5+ Year(s)  
 End of Life Options: Recyclable (90%), Landfill (10%)

Ingredients:  
 Aluminum, Copper, LED Driver, Polymethyl methacrylate, LED  
 PCB, Stainless Steel, Nylon 6/6, Steel, Polyamide fibers,  
 Polyethylene

↳ LBC Temp Exception RE-002 - Small Electrical Components

Living Building Challenge Criteria: Compliant

I-13 Red List:  
 ☐ LBC Red List Free      % Disclosed: 100% at 100ppm  
 ■ LBC Red List Approved      VOC Content: Not Applicable  
 ☐ Declared

I-10 Interior Performance: Not Applicable  
 I-14 Responsible Sourcing: Not Applicable

SLX-0002  
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