selux

Piix™ MRC
LED Intervals Direct

Order Code: PXID ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___ ‑ ___

PXID	Series	**PXID** Piix™ MRC (Micro Reflector Cell) LED Intervals Direct							

Light Engine
- **35G1** 332lm/3.5W per cell
- **18G1** 192lm/1.75W per cell

[1] Values calculated from each configuration at 3500K, 90+ CRI, 35° reflector, no secondary optic, and DIM driver

CCT
- **927** 2700K 90+ CRI
- **930** 3000K 90+ CRI
- **935** 3500K 90+ CRI
- **940** 4000K 90+ CRI
- **TW** 2700K-6500K My White 90+ CRI (consult factory)

Optics
- **10** 10° Very Narrow (beam angle 20°)
- **20** 20° Narrow (beam angle 40°)
- **35** 35° Medium (beam angle 70°)
- **50** 50° Wide (beam angle 100°)

Secondary Optics
- **CL** Clear Lens (defined edge)
- **DF** 30% Diffuse Lens (soft edge)
- **LF** 5% Lightly Diffuse Lens (soft edge)
- **HX** Hexcell Louver
- **XX** No Secondary Optics (defined edge)

Baffle Finish
- **PW** Matte White
- **PB** Matte Black

Mounting
- **C** Cable
- **S** Swivel Stem
- **RS** Rigid Stem
- **W** Wall Mount
- **F** Surface

Nominal Fixture Length
- **02** 2 ft.
- **03** 3 ft.
- **04** 4 ft.
- **05** 5 ft.
- **06** 6 ft.
- **07** 7 ft.
- **08** 8 ft.
- **XX** For Luminaires with OAL > 8 feet, round up to the nearest foot and replace the "xx" with the #, note exact OAL on fixture schedule. For Luminaires with OAL < 8 feet, please consult factory.

Piix™ Module
- **#P3** 3 cells nominal 6"
- **#P6** 6 cells nominal 12"

▶ Replace # with quantity of Piix™ modules per complete Run.
Notes: For illuminated sections between Piix™ cells, use M100 spec sheets.
Please consult factory if other configurations are required.

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

* Custom colors are available, please consult factory

Voltage
- **1** 120 Volt
- **2** 277 Volt
- **U** 120 thru 277 50/60Hz
- **3** 347 Volt (consult factory)

Driver
- **DIM[2]** 0-10V 1% (Linear)
- **DIL[2]** eldoLED 1% ECOdrive 0-10V (Logarithmic)
- **DED[2]** eldoLED 1% ECOdrive DALI (Logarithmic)
- **D01[2]** eldoLED 0.1% SOLOdrive 0-10V (Linear)
- **DL01[2]** eldoLED 0.1% SOLOdrive 0-10V (Logarithmic)
- **DC2[2,3]** Lutron 1% 2-Wire
- **DE1[2]** Lutron 1% EcoSystem
- **DC3** Lutron 1% 3-Wire (consult factory)

[2] See page 8 for full details.
[3] 120V only

Sensor Options
- **xE[5,6]** Enlighted (consult factory)
- **xS1[4,5]** Sensor Switch Daylight
- **xS2[4,5]** Sensor Switch Occ/Vac
- **xS3[4,5]** Sensor Switch Occ/Vac/Daylight
- **xSN** nLight Enabled (consult factory)
- **xV** Lutron Vive (consult factory)

Replace "x" with quantity

[4] See page 10 for full details and restrictions
[5] For use with DIM or DIL driver only

Emergency Options
- **EC[6,7]** Emergency Circuit Wiring
- **EMR** Remote Micro Inverter (consult factory)
- **EM** Integral EM Battery Pack (consult factory)

[6] See page 9 for full details and restrictions
[7] For emergency EM with sensors, please consult factory

Configuration Options
- **L9[8]** Lit Horizontal 90° Corner
- **T9[8]** Lit "T" section
- **X9[8]** Lit "X" section

[8] See pages 11-12 for full details and restrictions

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3 ¹⁵/₁₆″ (100mm)

2 ¹/₄″ (58mm)

2 ³/₈″ (60mm)

Weight - 2.5 lb. per foot for housing

Piix™ MRC Modules

Size	Weight (lbs)
1x6	1.17
1x3	0.58

Construction:

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

Faceplate - Extruded aluminum profile with laser cut cells for accuracy.

Baffles - Injection molded nylon material with a semi-matte Black or White finish.

Reflectors - Precision-designed, injection molded polycarbonate material for accurate distributions and powerful lighting effects. Three different distributions – 10° Very Narrow (beam angle 20°), 20° Narrow (beam angle 40°), 35° Medium (beam angle 70°), or 50° Wide (beam angle 100°).

Optional Optics - Clear Lens (CL), Diffuse Lens (DF), Lightly Diffuse Lens (LF), or Hexcell Louver (HX) snaps in behind the baffle. Optics cannot be combined within the same cell.

Mounting(s) - ³/₆₄″ Aircraft Cable, Wall Bracket, Surface mounting (see pages 3 through 7 for details).

Standard Luminaire Lengths - All standard luminaires are supplied in nominal lengths to ensure even distribution of optical cells. Housing runs and configurations are available in approximately ¼″ increments starting at the nominal 8' fixture length. Piix™ modules are available in approximately 2″ increments (due to MRC size).
****Individual luminaires are not joinable in the field.

Exact Length Luminaires - Individual luminaires, Runs, and Configurations are available to meet your project needs. Please consult factory with your requirements.

PX Joiner – Runs and Configurations are supplied in multiple housings that are joined together in the field using the supplied PX Joiner system. This allows ease of installation (see page 9 for details).

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 73% based on LM-80 test reports. The rated lumen maintenance life of L80 (10K) > 37,000 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 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 pages 13 for details.

CRI - 90+.

All Drivers - High efficient, 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 see page 10.

Emergency - There are multiple emergency options available, Emergency Circuit, Remote Micro Inverter and Integral EM Battery Pack. All options compliant with UL 924 listed emergency luminaire. Please consult factory for use of sensors with emergency options. For more details on EC options, see page 9.

Thermal Performance:

Ambient Operating Temperature - Luminaires are 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, DIL, DED D01, and DL01 drivers; 0°C (32°F) for DC2 and DE1 drivers.

Luminaire Finish:

Powder Coat - All Selux luminaries 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 colors for Piix™ MRC are White (WH), Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.
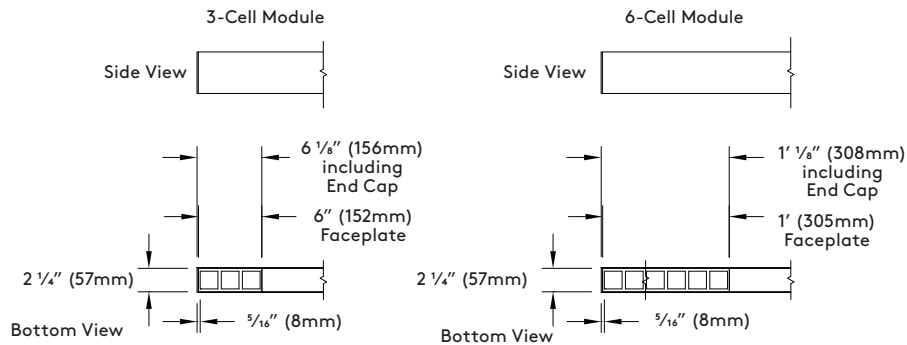
Warranty:

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Piix™ MRC 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."
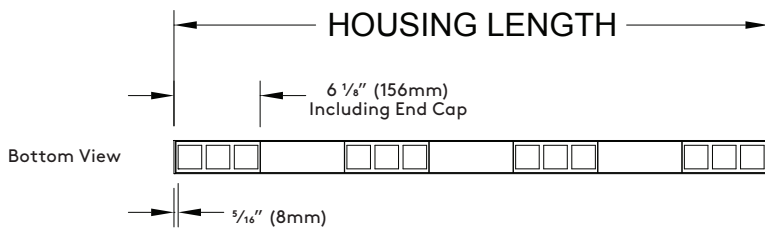
Certifications and Compliance:

NRTL - For Dry locations
　　　　(I.E. cULus; cCSAus)
NRTL - For Damp locations with the clear or
　　　　diffuse secondary optics (I.E. cULus;
　　　　cCSAus)
ARRA Compliant
ADA Compliant when mounted parallel to the wall
RoHS Compliant

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Standard Cell Placement
If a different configuration is required, please provide a sketch or detailed description

3-Cell Module

Side View

6 ⅛" (156mm)
including
End Cap

6" (152mm)
Faceplate

2 ¼" (57mm)

Bottom View

⁵⁄₁₆" (8mm)

6-Cell Module

Side View

1' ⅛" (308mm)
including
End Cap

1' (305mm)
Faceplate

2 ¼" (57mm)

Bottom View

⁵⁄₁₆" (8mm)

Please note: maximum faceplate length of 8' (2438mm)

HOUSING LENGTH

6 ⅛" (156mm)
Including End Cap

Bottom View

⁵⁄₁₆" (8mm)

HOUSING LENGTH

1' ⅛" (308mm)
Including End Cap

Bottom View

⁵⁄₁₆" (8mm)

HOUSING LENGTH

6 ⅛" (156mm)
Including End Cap

Bottom View

⁵⁄₁₆" (8mm)
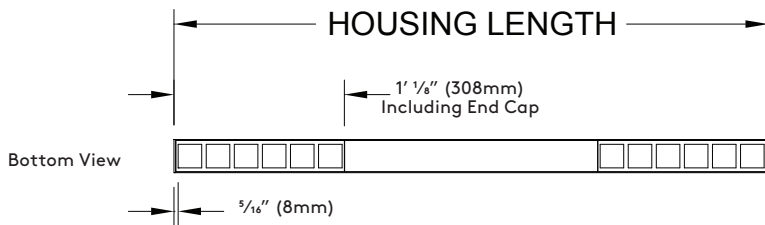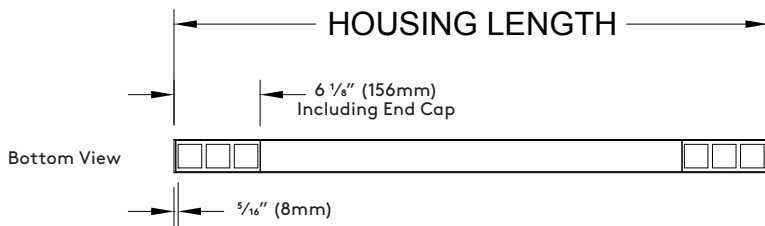
Notes:

1. When two (2) Piix™ modules are specified, they will always be located at ends of fixture length.
2. When more than two (2) Piix™ modules are specified, they will be at the ends, and evenly spaced along length of total fixture Run.
3. Any cell quantity is available. Please consult factory.
4. Blank faceplate will be cut from separate material. There is a discrete flush seam between end of blank section and Piix™ faceplate.
5. Please note typical drivers are approximately 13" long. For fitment of integral drivers, minimum housing length of 2' for 1P3 or 1P6. Minimum 4' housing length for 2P3 or 2P6.
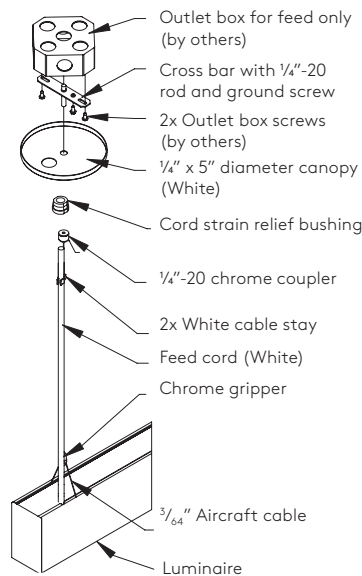6. Please consult factory if another configurations are required.

Cable Mounting (C)

Top View

Feed

Side View

"A"

"B" "C" "B"

48" Max.

"D" Feed

Bottom View

"A"
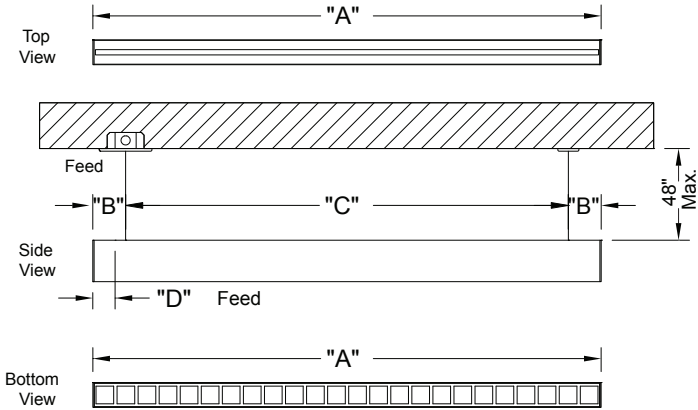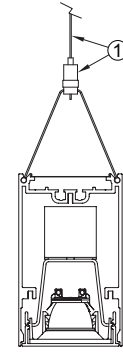
Cable Mounting (C)

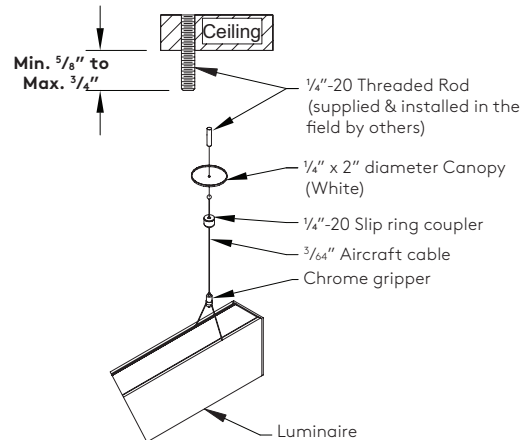1. $^3/_{64}$" Aircraft Cable with chrome gripper for easy adjustment (48" max. from ceiling to luminaire).

Cable Mounting (C) - Dimensions								
Nominal Length	"A" Housing Length		* "B" (Ref.) Typical Mounting Distance for Normal Installation		"C" Mid. Suspension		"D" Feed Location	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
02 (2 ft.)	2' - $^5/_{16}$"	617	0' - 2 $^1/_8$"	54	1' - 8 $^1/_{16}$"	509	0' - 1 $^1/_8$"	29
03 (3 ft.)	3' - $^5/_{16}$"	922	0' - 3 $^1/_8$"	79	2' - 6 $^1/_{16}$"	763	0' - 2 $^1/_8$"	54
04 (4 ft.)	4' - $^5/_{16}$"	1227	0' - 3 $^1/_8$"	79	3' - 6 $^1/_{16}$"	1068	0' - 2 $^1/_8$"	54
05 (5 ft.)	5' - $^5/_{16}$"	1531	0' - 3 $^1/_8$"	79	4' - 6 $^1/_{16}$"	1373	0' - 2 $^1/_8$"	54
06 (6 ft.)	6' - $^5/_{16}$"	1836	0' - 3 $^1/_8$"	79	5' - 6 $^1/_{16}$"	1677	0' - 2 $^1/_8$"	54
07 (7 ft.)	7' - $^5/_{16}$"	2141	0' - 3 $^1/_8$"	79	6' - 6 $^1/_{16}$"	1982	0' - 2 $^1/_8$"	54
08 (8 ft.)	8' - $^5/_{16}$"	2446	0' - 3 $^1/_8$"	79	7' - 6 $^1/_{16}$"	2287	0' - 2 $^1/_8$"	54

*Dimension(s) rounded to the nearest $^1/_{16}$" with a ± $^1/_{16}$" (1mm) tolerance.

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

Outlet box for feed only (by others)

Cross bar with ¼"-20 rod and ground screw

2x Outlet box screws (by others)

¼" x 5" diameter canopy (White)

Cord strain relief bushing

¼"-20 chrome coupler

2x White cable stay

Feed cord (White)

Chrome gripper

$^3/_{64}$" Aircraft cable

Luminaire

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

Ceiling

Min. $^5/_8$" to Max. $^3/_4$"

¼"-20 Threaded Rod (supplied & installed in the field by others)

¼" x 2" diameter Canopy (White)

¼"-20 Slip ring coupler

$^3/_{64}$" Aircraft cable

Chrome gripper

Luminaire
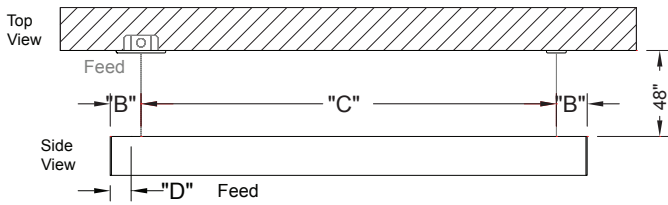
Stem Mounting (S & RS)

Swivel Stem (S) & Rigid Stem Mounting (RS)
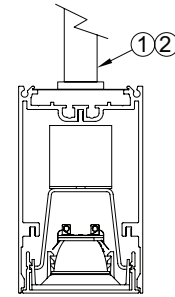
1. ⁵/₈" Swivel Stem provides 30° swivel and **can be cut in field** (48" max. from ceiling to luminaire).
2. ⁵/₈" Rigid Stem is fixed and is **not able to be cut/adjusted in field** (48" max. from ceiling to luminaire).

Swivel (S) & Rigid Stem (RS) Mountings - Dimensions									
Nominal Length	"A" Housing Length		* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Feed Location	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
02 (2 ft.)	2' – ⁵/₁₆"	617	0' – ⁷/₁₆"	22	1' – 10 ⁹/₁₆"	573	0' – ⁷/₈"	22
03 (3 ft.)	3' – ⁵/₁₆"	922	0' – ⁷/₁₆"	22	2' – 10 ⁹/₁₆"	877	0' – ⁷/₈"	22
04 (4 ft.)	4' – ⁵/₁₆"	1227	0' – ⁷/₁₆"	22	3' – 10 ⁹/₁₆"	1182	0' – ⁷/₈"	22
05 (5 ft.)	5' – ⁵/₁₆"	1531	0' – ⁷/₁₆"	22	4' – 10 ⁹/₁₆"	1487	0' – ⁷/₈"	22
06 (6 ft.)	6' – ⁵/₁₆"	1836	0' – ⁷/₁₆"	22	5' – 10 ⁹/₁₆"	1792	0' – ⁷/₈"	22
07 (7 ft.)	7' – ⁵/₁₆"	2141	0' – ⁷/₁₆"	22	6' – 10 ⁹/₁₆"	2097	0' – ⁷/₈"	22
08 (8 ft.)	8' – ⁵/₁₆"	2446	0' – ⁷/₁₆"	22	7' – 10 ⁹/₁₆"	2401	0' – ⁷/₈"	22

*Dimension(s) rounded to the nearest ¹/₁₆" with a ± ¹/₁₆" (1mm) tolerance.
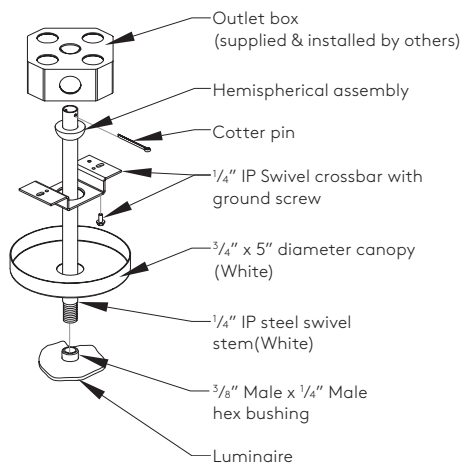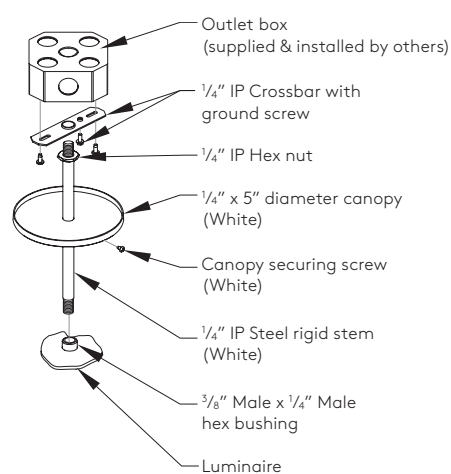
Swivel Stem (S) Suspension Detail
(feed wires through stem supplied by Selux)

Outlet box
(supplied & installed by others)

Hemispherical assembly

Cotter pin

¼" IP Swivel crossbar with ground screw

³/₄" x 5" diameter canopy (White)

¼" IP steel swivel stem(White)

³/₈" Male x ¼" Male hex bushing

Luminaire

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

Outlet box
(supplied & installed by others)

¼" IP Crossbar with ground screw

¼" IP Hex nut

¼" x 5" diameter canopy (White)

Canopy securing screw (White)

¼" IP Steel rigid stem (White)

³/₈" Male x ¼" Male hex bushing

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Wall Mounting (W)

For patterns and configurations that include a wall mounted option, please see page 11 for details.

Top View

"B" "C" "B"

"D" Feed

Bottom View

"A"
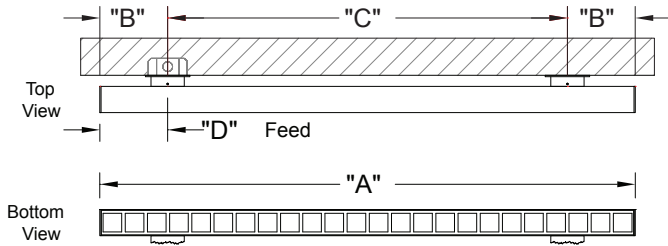
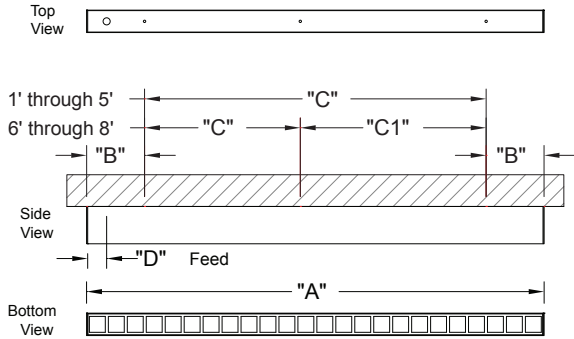| Wall (W) - Dimensions								
Nominal Length	"A" Housing Length		* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"D" Feed Location	
	Feet/Inch	mm	Feet/Inch	mm	Feet/Inch	mm	Feet/Inch	mm
02 (2 ft.)	2' - 5/16"	617	0' - 3 1/8"	79	1' - 1/16"	458	0' - 3 1/8"	79
03 (3 ft.)	3' - 5/16"	922	0' - 6 1/8"	156	2' - 1/16"	611	0' - 6 1/8"	156
04 (4 ft.)	4' - 5/16"	1227	0' - 6 1/8"	156	3' - 1/16"	915	0' - 6 1/8"	156
05 (5 ft.)	5' - 5/16"	1531	0' - 6 1/8"	156	4' - 1/16"	1220	0' - 6 1/8"	156
06 (6 ft.)	6' - 5/16"	1836	0' - 6 1/8"	156	5' - 1/16"	1525	0' - 6 1/8"	156
07 (7 ft.)	7' - 5/16"	2141	0' - 6 1/8"	156	6' - 1/16"	1830	0' - 6 1/8"	156
08 (8 ft.)	8' - 5/16"	2446	0' - 6 1/8"	156	7' - 1/16"	2135	0' - 6 1/8"	156

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

Wall Mount (W)
(Covers a 2x4 J-Box only)

4" (102mm)

4" (102mm)

1" (25mm)

3 3/8" (85mm)
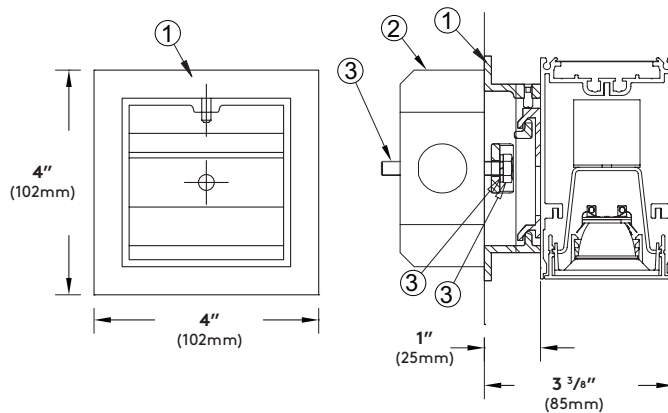
1. Aluminum wall bracket (by Selux)
2. 4" x 4" J-box at feed location (supplied and installed by others).
3. 1/4"-20 Threaded rod, 1/4"-20 lock washer and 1/4"-20 nut required to anchor the wall bracket. Mounting hardware supplied and installed to code by others.

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Surface Mounting (F)

Top View

1' through 5'   "C"
6' through 8'   "C"   "C1"
"B"   "B"

Side View

"D"   Feed

"A"

Bottom View

Surface Mount (F) - Dimensions										
Nominal Length	"A" Housing Length		* "B" (Ref.) End Suspensions		"C" Mid. Suspension		"C1" Mid. Suspension		"D" Feed Location	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
02 (2 ft.)	2' - $^5/_{16}$"	617	0' - 1 $^5/_8$"	41	1' - 9 $^1/_{16}$"	534	N/A		0' - 4 $^1/_8$"	105
03 (3 ft.)	3' - $^5/_{16}$"	922	0' - 6 $^1/_8$"	156	2' - $^1/_{16}$"	611	N/A		0' - 2 $^1/_8$"	54
04 (4 ft.)	4' - $^5/_{16}$"	1227	0' - 6 $^1/_8$"	156	3' - $^1/_{16}$"	915	N/A		0' - 2 $^1/_8$"	54
05 (5 ft.)	5' - $^5/_{16}$"	1531	0' - 6 $^1/_8$"	156	4' - $^1/_{16}$"	1220	N/A		0' - 2 $^1/_8$"	54
06 (6 ft.)	6' - $^5/_{16}$"	1836	0' - 6 $^1/_8$"	156	3' - 0"	914	2' - $^1/_{16}$"	611	0' - 2 $^1/_8$"	54
07 (7 ft.)	7' - $^5/_{16}$"	2141	0' - 6 $^1/_8$"	156	3' - 0"	914	3' - $^1/_{16}$"	915	0' - 2 $^1/_8$"	54
08 (8 ft.)	8' - $^5/_{16}$"	2446	0' - 6 $^1/_8$"	156	3' - 0"	914	4' - 0$^1/_{16}$"	1220	0' - 2 $^1/_8$"	54

*Dimension(s) rounded to the nearest $^1/_{16}$" with a ± $^1/_{16}$" (1mm) tolerance.

Surface Mount (F)*

①
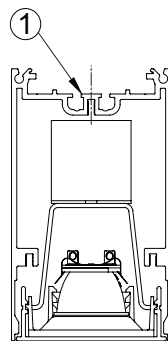
1. $^5/_{16}$" Mounting hole drilled at the factory(mounting hardware to code by others).
   *Please note: Fixture does not cover a 4 x 4 J-box.

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Drivers:

0-10V linear dimming (DIM)
Luminaires supplied with drivers offering the capability of either normal switched operation or 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%.

0-10V logarithmic eldoLED ECOdrive (DIL)
Luminaires supplied with drivers offering the capability of either normal switched operation or 0-10V dimming for logarithmic 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 SOLOdrive 0-10V linear dimming (D01)
Luminaires supplied with SOLOdrive 0-10V dimming driver for 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 for logarithmic dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

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

LUTRON 2-wire dimming (DC2)
Luminaires supplied with Hi-Lume 2-wire dimming driver (120V only) programmed for Constant Current Reduction (CCR). For Pulse Width Modulation (PWM) dimming, please consult factory. Minimum dimming level down to 1%.

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

* Driver Quantity								
Fixture Length								
Dimming Protocol	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	RUN
DIM, DIL, DC2, DE1	1	1	1	2	2	2	2	Approximately 1 driver per 4 ft.
DED, D01, DL01	1	1	1	2	2	2	2	Approximately 1 driver per 4 ft.

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

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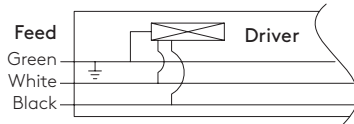
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Wiring Diagrams

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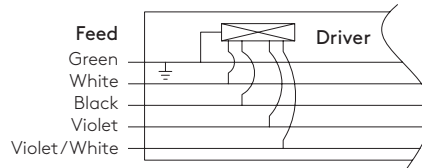0-10V logarithmic eldoLED SOLOdrive (DL01)
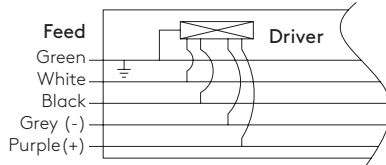
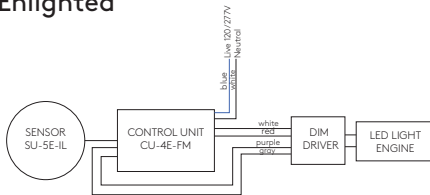| Standard Wiring supplied for all drivers	Green = Ground White = Neutral Black = Hot
- The following wire(s) are in addition to the standard above -	
DIM, DIL, DED, D01, DL01	Gray = (-) DALI or 0-10V Dimming Control Purple = (+) DALI or 0-10V Dimming Control
DC2	No additional wires
DE1	Violet = "E1"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

Feed
Green
White
Black
Grey (-)
Purple(+)
Driver

Lutron 2-Wire (DC2)

Feed
Green
White
Black
Driver

Lutron EcoSystem (DE1)

Feed
Green
White
Black
Violet
Violet/White
Driver

Sensor Wiring Diagrams

Enlighted

SENSOR SU-5E-IL — CONTROL UNIT CU-4E-FM — DIM DRIVER — LED LIGHT ENGINE

Lutron Vive

Neutral
Line
FIXTURE CONTROL DIGITAL INTERFACE
ECOSYSTEM DRIVER
LUTRON VIVE

Sensor Switch

ELDO 0-10V
0-10V AUX (+) AUX (-)

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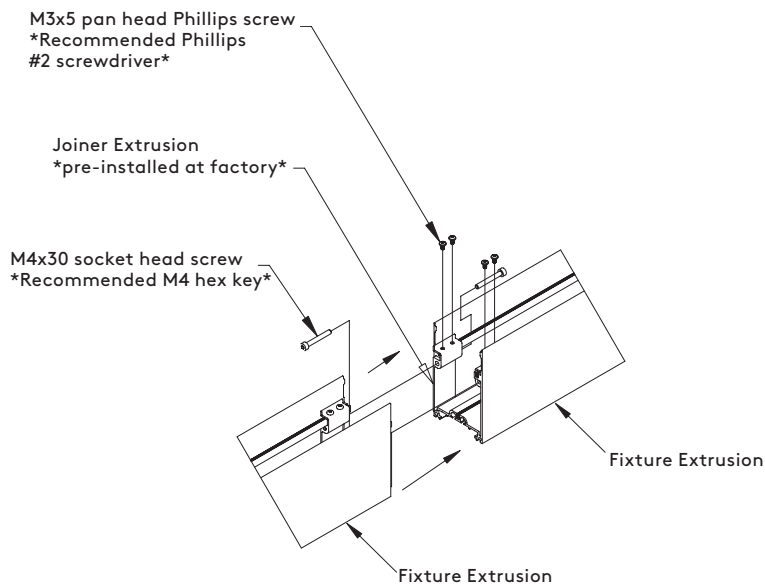
Emergency Circuit (EC) - Luminaires with EC option compliant to UL 924 listed emergency luminaire. EC luminaires are intended to be wired to sepa-rate unswitched circuit for emergency use.

* For individual Piix™ MRC modules on a single driver, the single fixture is wired for operation on emergency circuit.

* For multiple Piix™ MRC modules on a single driver, all luminaires connected to that driver will be wired for emergency.

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

Joiner System - standard for Runs and Configurations

M3x5 pan head Phillips screw
*Recommended Phillips
#2 screwdriver*

Joiner Extrusion
pre-installed at factory

M4x30 socket head screw
Recommended M4 hex key

Fixture Extrusion

Fixture Extrusion

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Sensor Ordering Chart		
Quantity	**Sensor**	**Settings***
x Number of Sensors	**E** Enlighted SU-5E-IL **S** Sensor Switch MSD EZ **V** Lutron Vive DFCSJ	**1** Daylight **2** Occupancy/Vacancy **3** Daylight/Occupancy/Vacancy * Settings not available with Enlighted

Enlighted SU-5E-IL (E)
Enlighted Micro Sensor SU-5E-IL (Independent Lighting) provided as standard with an Enlighted CU-4E-FM Fixture Mount Control Unit integral to fixture. If SU-5E-CL (Connected Lighting) or SU-5E-IoT (Internet of Things) is desired, please contact factory. Occupancy/vacancy, thermal, daylight sensing plus Tunable White, Room & Zone control, Internet of Things (IoT) data collection and reporting control. For full details, please see SU-5E-(IoT/CL/IL) spec sheet on the Enlighted website. Must be paired with a 0-10V driver with auxiliary (DIM driver selection). Commissioning by Enlighted.

*Sensor can control up to 5 drivers. Please refer to driver quantity chart on page 8. 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 8. 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 Control 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 8. Multiple sensors may be required for longer lengths.

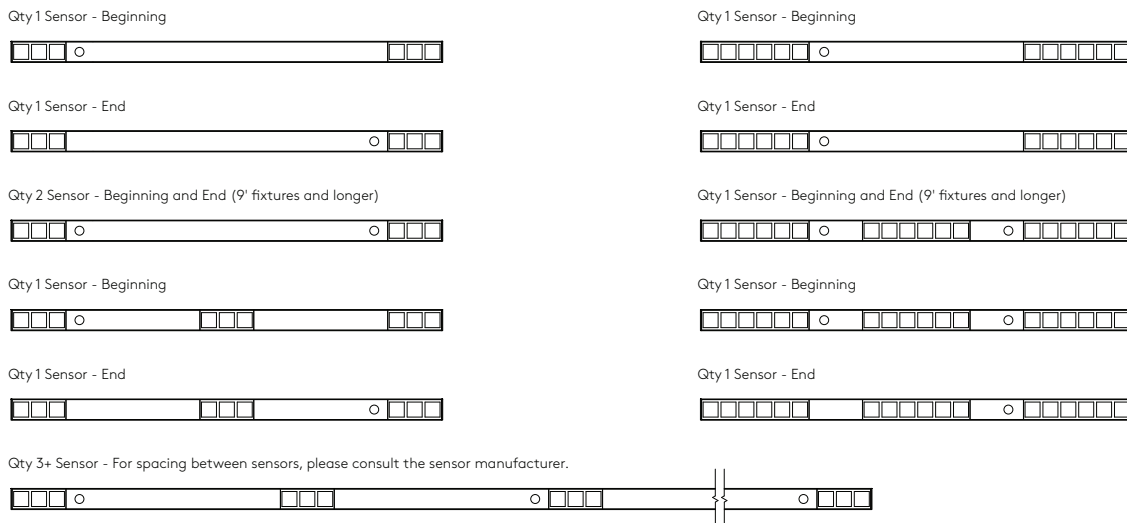|	**Occupancy**	**Vacancy**	**Daylight Harvesting**	**Driver Compatibility**
Enlighted SU-5E-IL (E)	√	√	√	DIM
Sensor Switch MSD EZ (S)	√	√	√	DIM
Lutron Vive DFCSJ (V)	√	√	√	DE1

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.

Standard Sensor Placement - 1.5" (38mm) in from the edge of the the blank section. for other placement options, please consult factor. For functionality and limitations, please see sensor details above.

Qty 1 Sensor - Beginning

Qty 1 Sensor - End

Qty 2 Sensor - Beginning and End (9' fixtures and longer)

Qty 1 Sensor - Beginning

Qty 1 Sensor - End

Qty 1 Sensor - Beginning

Qty 1 Sensor - End

Qty 1 Sensor - Beginning and End (9' fixtures and longer)

Qty 1 Sensor - Beginning

Qty 1 Sensor - End

Qty 3+ Sensor - For spacing between sensors, please consult the sensor manufacturer.

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Standard Direct (PXID) shapes/configurations:

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 open shapes is 2' x 2' nominal (example: leg, 90, leg)
- L9 closed shapes is 4' x 4' nominal (example: 90, leg, 90)
- L9 corners can be joined directly together to provide a 4' x 4' nominal shape.

*For sensors in configurations, please consult factory.

For patterns and configurations that include a wall mounting option, please consult factory to identify location, on which side of housing, and spacing of both brackets required.

The minimum standard lengths for "T" & "X" shapes:
- T9 = 2' nominal on the short leg and 4' nominal on the long side
- X9 = 4' nominal for either direction

Project Specific Direct (PXID) 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.

L9 - Horizontal Center

T9 - "T" Section

X9 - "X" Section
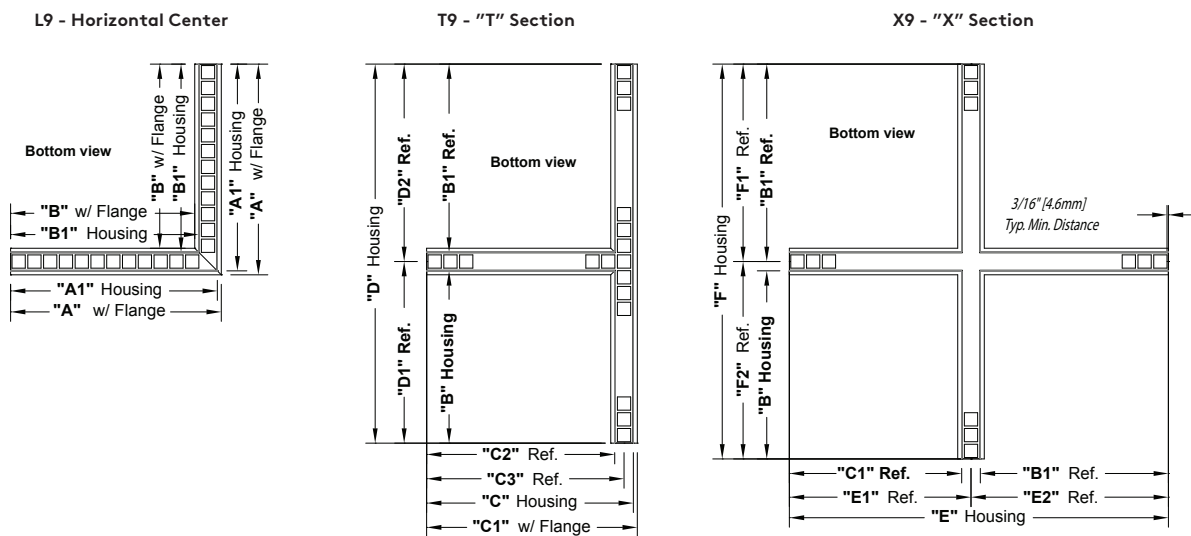
Direct (PXID) Corner and Section - Dimensions						
Nominal Length	L9		T9		X9	
	Feet/Inch	MM	Feet/Inch	MM	Feet/Inch	MM
"A" Housing (Outside)	2' - 2 3/16"	666	N/A	N/A	N/A	N/A
"A1" Housing (Inside)	1' - 11 13/16"	606	N/A	N/A	N/A	N/A
"B" Housing	N/A	N/A	1' - 9 13/16"	555	1' - 11 13/16"	606
* "B1" Ref.	N/A	N/A	1' - 11 13/16"	606	1' - 11 13/16"	606
"C" Housing	N/A	N/A	2' - 2 13/16"	666	N/A	N/A
* "C1" Ref.	N/A	N/A	1' - 11 13/16"	606	1' - 9 13/16"	555
* "C2" Ref.	N/A	N/A	2' - 1"	636	N/A	N/A
"D" Housing	N/A	N/A	4' - 1/16"	1220	N/A	N/A
* "D1" Ref.	N/A	N/A	1' - 11"	585	N/A	N/A
* "D2" Ref.	N/A	N/A	2' - 1"	636	N/A	N/A
"E" Housing	N/A	N/A	N/A	N/A	4' - 1/16"	1220
* "E1" Ref.	N/A	N/A	N/A	N/A	1' - 11"	585
* "E2" Ref.	N/A	N/A	N/A	N/A	2' - 1"	636
"F" Housing	N/A	N/A	N/A	N/A	4' - 2 1/16"	1271
* "F1" Ref.	N/A	N/A	N/A	N/A	2' - 1"	636
* "F2" Ref.	N/A	N/A	N/A	N/A	2' - 1"	636

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

3 15/16" (100mm)

2 1/4" (58mm)

2 3/8" (60mm)

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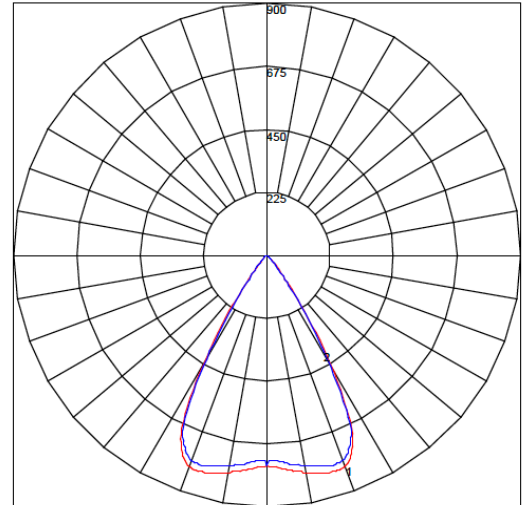(Rev. 05/2021)
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Photometry

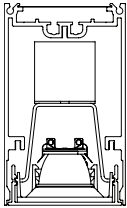### Direct - 03 Cell – 35G1 / 35° Optics / Clear Lens / 12W / 3500K
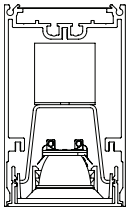
Catalog #: PXID-35G1-935-35-CL-PB-XX-C-1P3-XX-U-DIM
Report #: 12929227.07
Delivered Lumens: 907
Input Watts: 12.2
Efficacy: 74 lm/W
CCT: 3500K
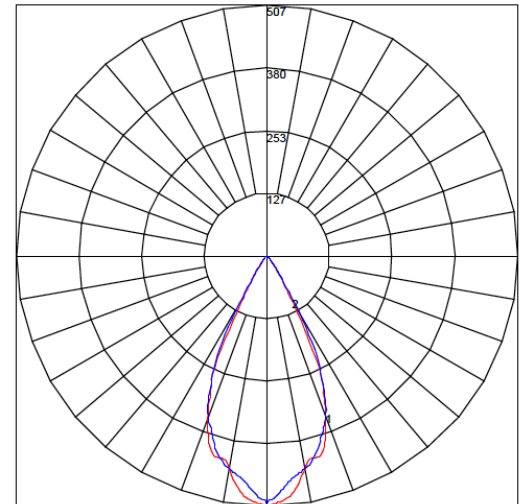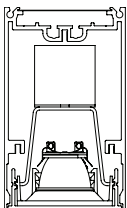CRI (Ra): 92.9
CRI (R9): 66.8
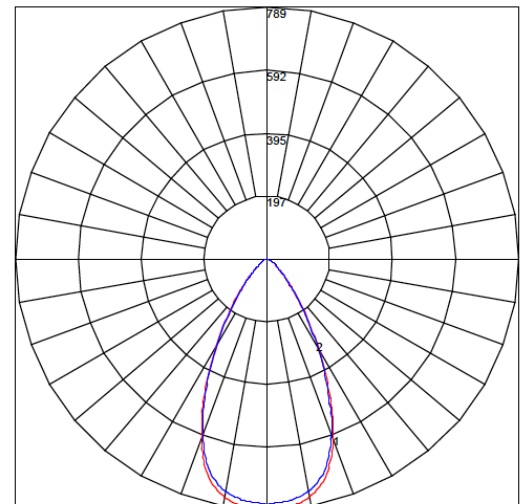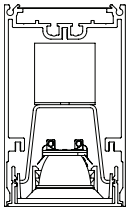TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 900.3   Located At Horizontal Angle = 45, Vertical Angle = 25.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 03 Cell – 35G1 / 35° Optics / Hexcell Louver / 12W / 3500K

Catalog #: PXID-35G1-935-35-HX-PB-HX-C-1P3-XX-U-DIM
Report #: 12929227.08
Delivered Lumens: 334
Input Watts: 12.2
Efficacy: 27 lm/W
CCT: 3500K
CRI (Ra): 92.9
CRI (R9): 66.8
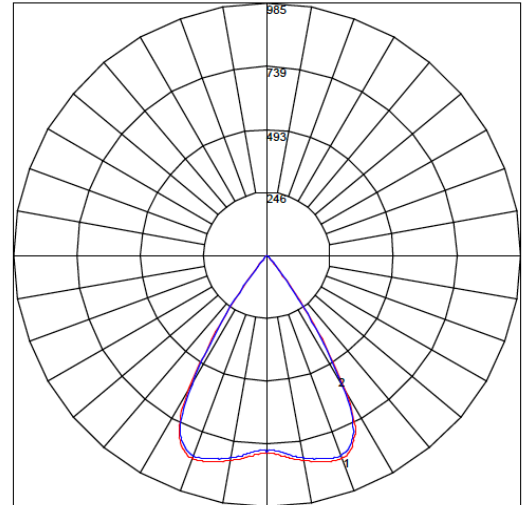TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 506.5   Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 03 Cell – 35G1 / 35° Optics / Diffuse Lens / 12W / 3500K

Catalog #: PXID-35G1-935-35-DF-PB-XX-C-1P3-XX-U-DIM
Report #: 12929227.09
Delivered Lumens: 742
Input Watts: 12.2
Efficacy: 61 lm/W
CCT: 3500K
CRI (Ra): 92.9
CRI (R9): 66.8
TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 789   Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

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### Direct - 03 Cell – 35G1 / 35° Optics / No Lens / 12W / 3500K

Catalog #: PXID-35G1-935-35-XX-PB-XX-C-1P3-XX-U-DIM
Report #: 12929227.06
Delivered Lumens: 1048
Input Watts: 12.2
Efficacy: 85 lm/W
CCT: 3500K
CRI (Ra): 92.9
CRI (R9): 66.8
TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 985.3 Located At Horizontal Angle = 45, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 06 Cell – 35G1 / 35° Optics / Clear Lens / 24W / 3500K
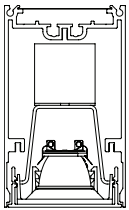
Catalog #: PXID-35G1-935-35-CL-PB-XX-C-1P6-XX-U-DIM
Report #: 12929227.07
Delivered Lumens: 1813
Input Watts: 24
Efficacy: 76 lm/W
CCT: 3500K
CRI (Ra): 92.9
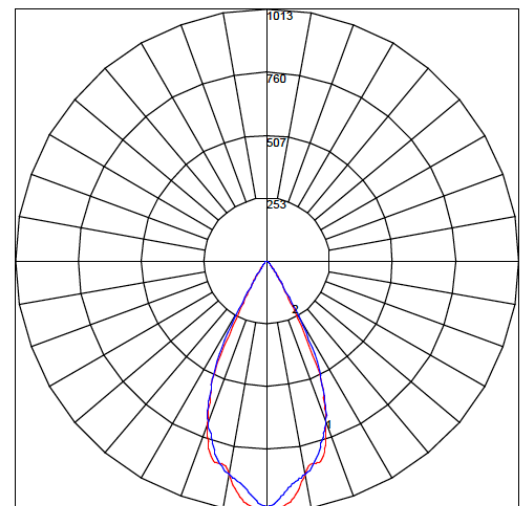CRI (R9): 66.8
TM-30 Rf: 90.5
TM-30 Rg: 97.4
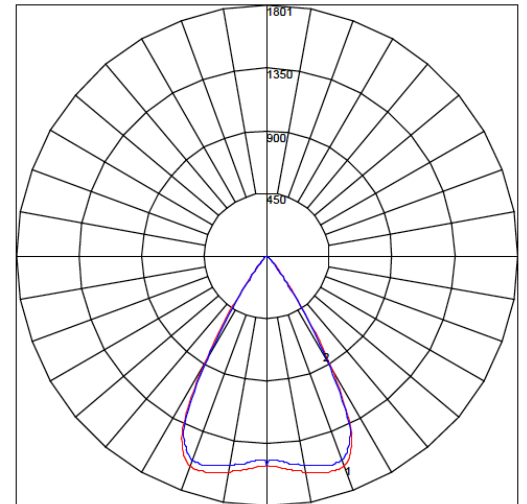
Maximum Candela = 1800.6 Located At Horizontal Angle = 45, Vertical Angle = 25.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

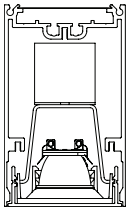### Direct - 06 Cell – 35G1 / 35° Optics / Hexcell Louvers / 24W / 3500K
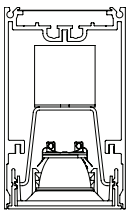
Catalog #: PXID-35G1-935-35-HX-PB-HX-C-1P6-XX-U-DIM
Report #: 12929227.08
Delivered Lumens: 668
Input Watts: 24
Efficacy: 28 lm/W
CCT: 3500K
CRI (Ra): 92.9
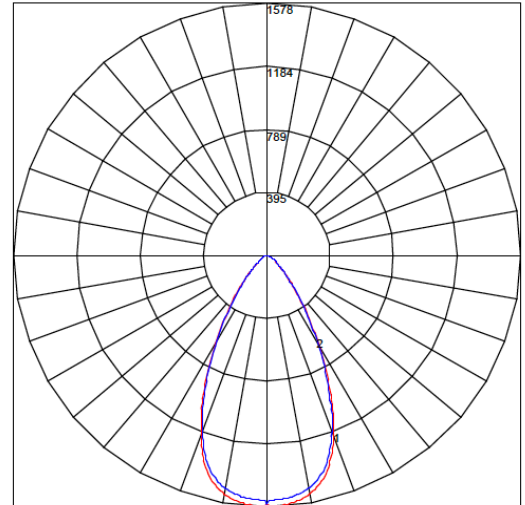CRI (R9): 66.8
TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 1013 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Photometry

Direct - 06 Cell – 35G1 / 35° Optics / Diffuse Lens / 24W / 3500K
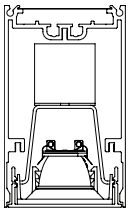

Catalog #: PXID-35G1-935-35-DF-PB-XX-C-1P6-XX-U-DIM
Report #: 12929227.09
Delivered Lumens: 1484
Input Watts: 24
Efficacy: 62 lm/W
CCT: 3500K
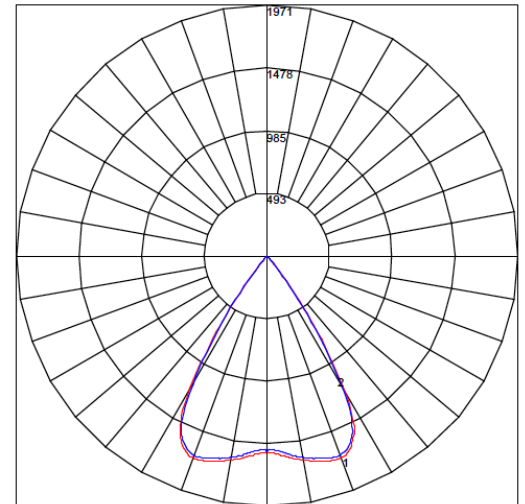CRI (Ra): 92.9
CRI (R9): 66.8
TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 1578   Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Direct - 06 Cell – 35G1 / 35° Optics / No Lens / 24W / 3500K

Catalog #: PXID-35G1-935-35-XX-PB-XX-C-1P6-XX-U-DIM
Report #: 12929227.06
Delivered Lumens: 2096
Input Watts: 24
Efficacy: 87 lm/W
CCT: 3500K
CRI (Ra): 92.9
CRI (R9): 66.8
TM-30 Rf: 90.5
TM-30 Rg: 97.4

Maximum Candela = 1970.6   Located At Horizontal Angle = 45, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Piix™ Intervals Direct	
CCT Multiplier*	
4000K	1.000
3500K	0.913
3000K	0.903
2700K	0.903
Direct Lens Multiplier*	
CL	0.84
HX	0.31
DF	0.69
XX	1.00

* Values calculated from a 4' fixture at 4000K,
  90+ CRI using 35° reflector and DIM driver

Note: Due to the amount of variation of lens/distri-
bution 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).

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