

# Large Area Light: Optic-Line

3-CCT & 5-Power Selectable  
 Rotatable and EZ-Swap Optics



## Detail Specifications:

- Finish: Bronze, Black, White (Quick Ship)  
 - Custom colors available
- IP Rating: Wet Location (IP65)
- Beam Angle: Type III Installed (Type II, IV, V included in box)  
 - Tool-free interchangeable in the field
- CCT: 30/40/50K Selectable
- Chip: SMD 2835, R9 >50, CRI >80
- Operating Temperature: -40° - 122° F
- Lens: PC Lens: Clear acrylic with optics
- Average life (L70) of 70,000 hours

## Applications:

- Dock and Loading
- Walkways & Pathways
- Parking Lots
- Outdoor Corridors
- General Outdoor Lighting
- Commercial and Industrial

## Product Information:

- Sturdy die-cast aluminum housing finished with corrosion free powder coat
- 2' STJW 18.3 AWG cable whip included
- EZ-Optic-Switch allows for:
  - Field rotatable optics
  - Field optic lens swap
- Select-n-Switch Technology
- Instant-On to full brightness
- Twist-C Control: Control ready receptacle built into each fixture
  - Standard Sensors
  - SILVAIR Bluetooth Mesh
  - ENVISIONLS Bluetooth
  - [Click Here](#) for More Information

## Driver Options:

- UNV: 120-277V or HV: 277-480V 0-10V Dimmable
- Built in 6kV Surge Protector  
 - 20kV available
- THD: <20% (+/-5% tolerance), PF >0.9, 50/60Hz

## Mounting & Installation:

- Optional tenon mount adaptors available
- Several standard bracket options available (see below)

## Certifications:

- UL Listed for USA and CA
- DLC Premium Listed  
 - View DLC ID Chart
- ROHS Compliant
- Approved for CA T24
- 7 Year Limited Warranty
- FCC CFR 47, GCC Part 15, Subpart B:2017

5P150		5P300		5P450	
WATT	LUMENS	WATT	LUMENS	WATT	LUMENS
50	7,500	180	27,000	330	49,500
75	11,250	210	31,500	360	54,000
100	15,000	240	36,000	390	58,500
125	18,750	270	40,500	420	63,000
150	22,500	300	45,000	450	67,500

Model	DLC Premium Product ID:
LED-ARL3-OPT-5P150-TRI**-UNV	S-2LT221
LED-ARL3-OPT-5P150-TRI**-HV	S-JTG8ZP
LED-ARL3-OPT-5P300-TRI**-UNV	S-TCGQMC
LED-ARL3-OPT-5P300-TRI**-HV	S-P89NFV
LED-ARL3-OPT-5P450-TRI**-UNV	S-Y1SKLV

LUMENS BASED OFF 4000K. 30K & 50K +/- 5%

Series	Power	3CCT	Finish <sup>1</sup>	Voltage <sup>2</sup>	Photocell	EMB
<b>LED-ARL3-OPT - TRI -</b>	<b>5P150</b> 150/125/100 75/50w	30/40 50K	<b>BZ</b> Bronze (Standard)	<b>UNV</b> 120-277V (6kV Surge Protector)	<b>(Blank)</b> No Photocell	<b>(Blank)</b> No Emergency
<b>5P300</b>	300/270/240 210/180w		<b>BL</b> Black	<b>HV</b> 277-480V (6kV Surge Protector)	<b>PC</b> Photocell	<b>EMB</b> 40W Remote Emergency 6,000lm
<b>5P450</b>	450/420/390 360/330w		<b>WH</b> White <b>GRY</b> Gray <b>CS</b> Custom Color	<b>UNV20KV</b> 120-277V (20kV Surge Protector) <b>HV20KV</b> 277-480V (6kV Surge Protector)		

1. Standard quickship is bronze, black, and white. Other colors are custom finishes.  
 2. 6kV quick ship. 20kV models are made to order. 3P450 only available in UNV or UNV20KV

Required Accessories	
<b>Bronze Bracket Finish</b>	
<b>ARL3-SF</b> Slip Fitter	<b>(Blank)</b> Bronze
<b>ARL3-SA</b> Straight Arm	<b>BL</b> <sup>†</sup> Black
<b>ARL3-SFA</b> Adjustable	<b>WH</b> <sup>†</sup> White
<b>ARL3-SFA</b> Slip Fitter/Straight	<b>GRY</b> <sup>†</sup> Gray
<b>ARL3-TR</b> Arm Combo	<b>CS</b> <sup>†</sup> Custom
<b>ARL3-YK</b> -100-150	
<b>ARL3-YK</b> -240-450	
Yokey for 240-450	
1. Standard quickship finish is bronze. Other colors are custom finishes.	

Optional Accessories		
<b>Control Sensors</b>	<b>Wall Mount</b> Must Purchase with SA or SFA	<b>Shields</b>
<b>S-TWC-MW-1</b> S-Line: Twist-C Microwave Sensor  Remote Required: (S-LINE-R)	<b>ARL3-WM</b> Bronze	<b>ARL3-OPT-L-HSS-BZ</b> Compatible w/ 5P150
<b>S-TWC-PIR-1</b> PIR Bi-Level Motion + Daylight Sensor   Remote Required: (S-LINE-R)	<b>ARL3-WM-BL</b> Black	<b>ARL3-OPT-L-HSS-WH</b> Compatible w/ 5P150
<b>S-TWC-PIR-SL</b> PIR SILVAIR Bluetooth Mesh	<b>ARL3-WM-WH</b> White	<b>ARL3-OPT-XL-HSS-BZ</b> Compatible w/ 5P300
<b>S-TWC-PIR-BT</b> PIR ENVISIONLS Bluetooth Control		<b>ARL3-OPT-XL-HSS-WH</b> Compatible w/ 5P300
<b>TWC-DL</b> S-Line: Twist-C Daylight Sensor: Photocell		<b>ARL3-OPT-XXL-HSS-BZ</b> Compatible w/ 5P450
		<b>ARL3-OPT-XXL-HSS-BL</b> Compatible w/ 5P450
		<b>ARL3-OPT-XXL-HSS-WH</b> Compatible w/ 5P450

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## FEATURES

Photocell Access  
(Receptacle Not Included)



Die-Cast Aluminum

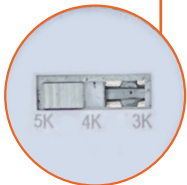


Toolless Access to Optic Lens

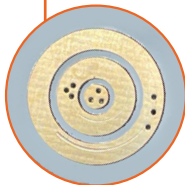
Wattage Selector  
Inside J-Box



Toolless Access to Driver



3-CCT  
Selectable



Twist-C Control  
Receptacle



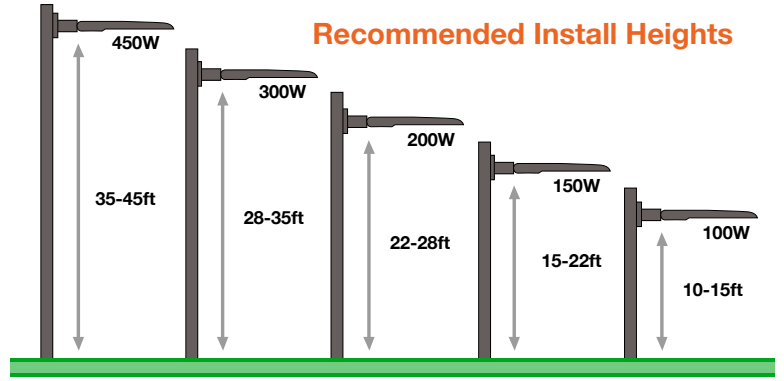
S-TWC-MW-1    S-TWC-PIR-1  
S-TWC-MW-BT    S-TWC-PIR-BT  
TWC-DL

### EPA & BUG

WATTAGE	EPA & BUG					
	BUG	1PC FIXTURE	2PC 180°	2PC 90°	3PC 90°	4PC 90°
5P150	B3-U0-G3	0.384	0.776	0.599	0.914	0.914
5P300	B4-U0-G4	0.468	0.945	0.73	1.114	1.114

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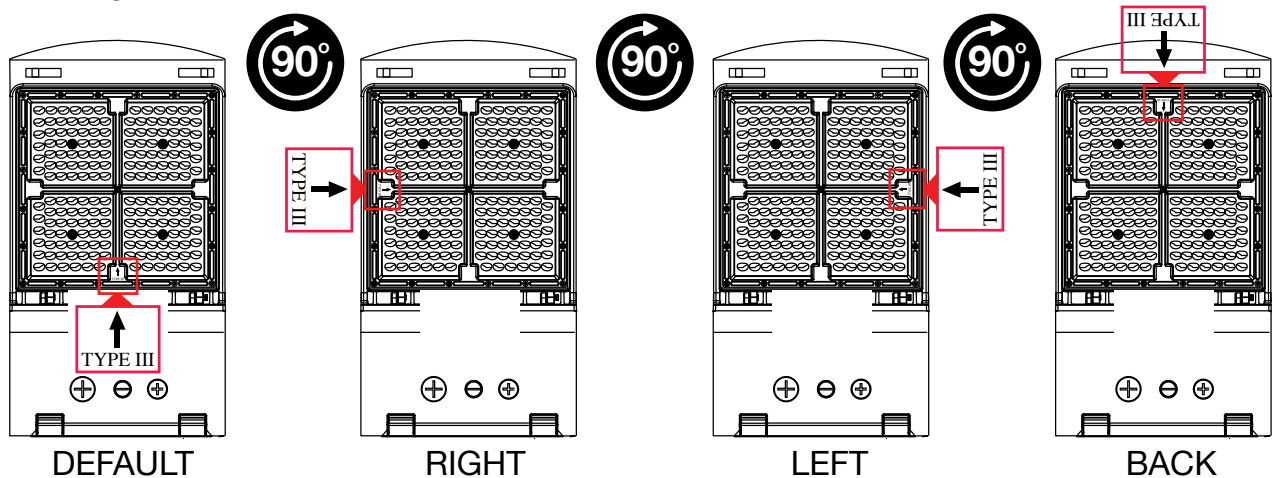
Rotatable Optics

Field Swap Optics



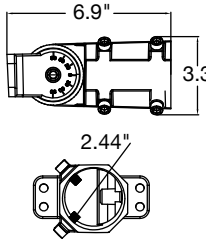
## Rotatable Optic Lens

Field rotation eases lighting design implementation.  
Rotate lens and receive different light distribution in different directions.  
No change to fixture installation and EPA.

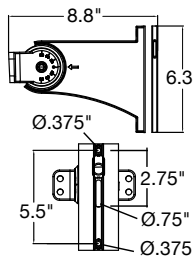




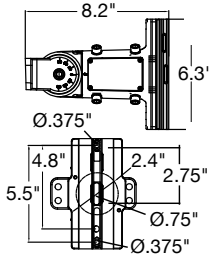
# BRACKET DIMENSIONS



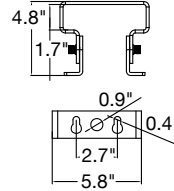
**ARL3-SF**



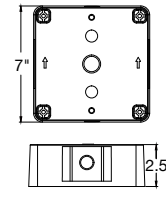
**ARL3-SA**



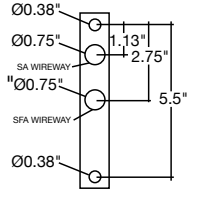
**ARL3-SFA**



**ARL3-TR**

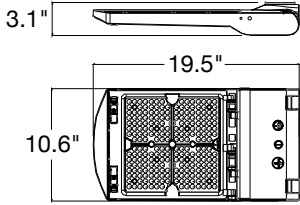


**ARL3-WM**

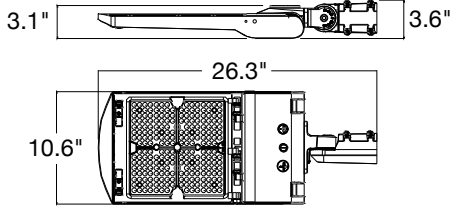


**SA/SFA**

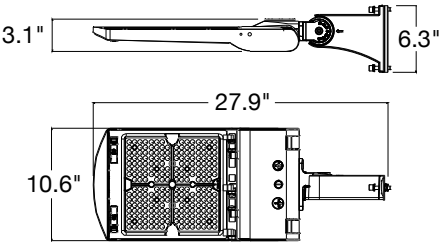
**5P150**



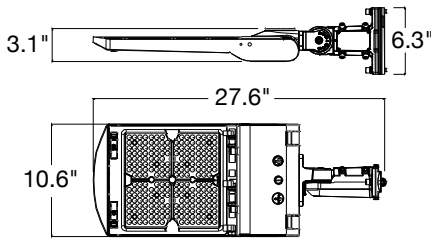
**SF**



**SA**

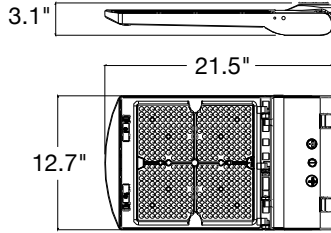


**SFA**

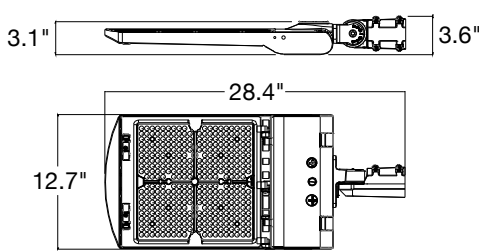


**TR**

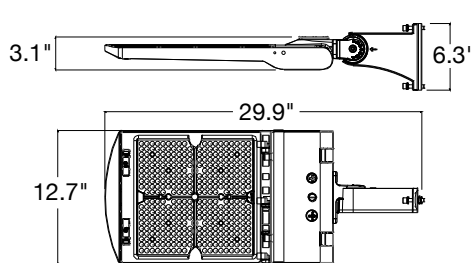
**5P300**



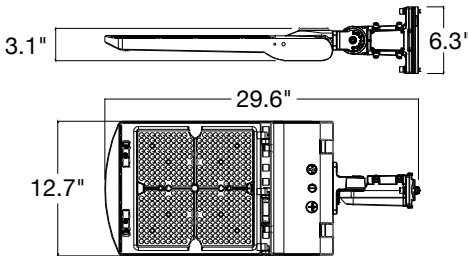
**SF**



**SA**

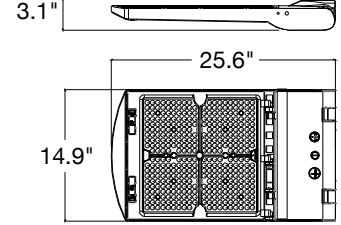


**SFA**

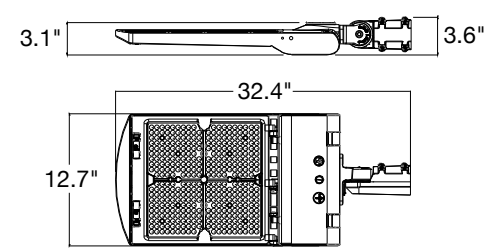


**TR**

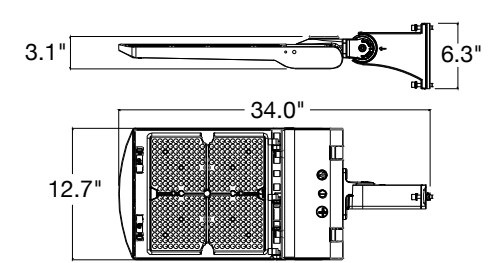
**5P450**



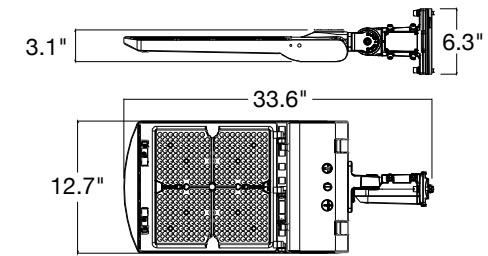
**SF**



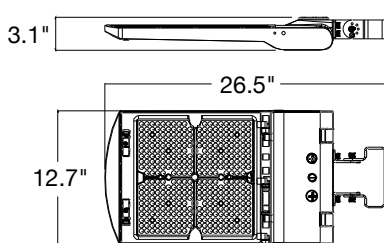
**SA**



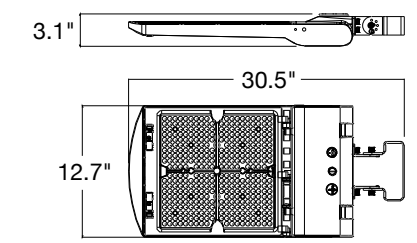
**SFA**



**TR**



**TR**



**TR**



## ACCESSORIES



ARL3-TR

### Trunnion

- Flood light bracket
- Ideal use on a wall
- Can be used for shoebox
- Adjustable design to angle area light luminaire



ARL3-SA

### Straight Arm Adjustable

- For use with round or square poles
- Adjustable design to angle area light luminaire



ARL3-SF

### Slip Fitter

- For use with round or square poles
- Adjustable design to angle area light luminaire
- Fits 2 3/8" tenon



ARL3-SFA

### Slip Fitter & Straight Arm

- Flood light bracket
- For use with round or square poles
- Can be used for shoebox
- Adjustable design to angle area light luminaire

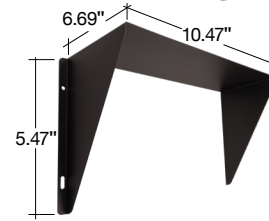
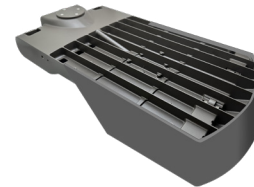


ARL3-WM

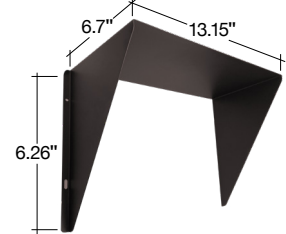
### Wall Mount Adapter

- Attach to SA or SFA arm
- Does not attach to the body of the fixture directly

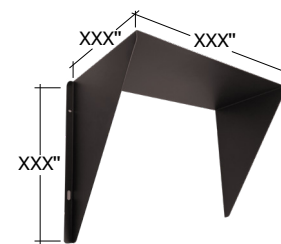
Accessory Model	Description
ARL3-SF	ARL3: Slip Fitter
ARL3-SF-BL	ARL3: Slip Fitter (Black)
ARL3-SF-WH	ARL3: Slip Fitter (White)
ARL3-SA	ARL3: Straight Arm
ARL3-SA-BL	ARL3: Straight Arm (Black)
ARL3-SA-WH	ARL3: Straight Arm (White)
ARL3-SFA	ARL3: Slip Fitter/Straight Arm Combo
ARL3-SFA-BL	ARL3: Slip Fitter/Straight Arm Combo (Black)
ARL3-SFA-WH	ARL3: Slip Fitter/Straight Arm Combo (White)
ARL3-TR	ARL3: Trunnion
ARL3-TR-BL	ARL3: Trunnion (Black)
ARL3-TR-WH	ARL3: Trunnion (White)
ARL3-WM	ARL3: Wall Mount Adapter (Requires ARL3-SA or ARL3-SFA)
ARL3-WM-BL	ARL3: Wall Mount Adapter (Black) (Requires ARL3-SA or ARL3-SFA)
ARL3-WM-WH	ARL3: Wall Mount Adapter (White) (Requires ARL3-SA or ARL3-SFA)
ARL3-OPT-L-HSS-BZ	ARL3: OPTIC-Line: House Side Shield for 5P150
ARL3-OPT-L-HSS-BL	ARL3: OPTIC-Line: House Side Shield for 5P150
ARL3-OPT-L-HSS-WH	ARL3: OPTIC-Line: House Side Shield for 5P150
ARL3-OPT-XL-HSS-BZ	ARL3: OPTIC-Line: House Side Shield for 5P300
ARL3-OPT-XL-HSS-BL	ARL3: OPTIC-Line: House Side Shield for 5P300
ARL3-OPT-XL-HSS-WH	ARL3: OPTIC-Line: House Side Shield for 5P300
ARL3-OPT-XXL-HSS-BZ	ARL3: OPTIC-Line: House Side Shield for 5P450
ARL3-OPT-XXL-HSS-BL	ARL3: OPTIC-Line: House Side Shield for 5P450
ARL3-OPT-XXL-HSS-WH	ARL3: OPTIC-Line: House Side Shield for 5P450
ARL3-450W-HSS-BZ	ARL3: Front & House Side Shield for 450W
S-LINE-R	Remote for S-LINE Series Sensors
PC-SHORT-CAP	3 Pin Shorting Cap



ARL3-OPT-L-HSS-BZ  
ARL3-OPT-L-HSS-BL  
ARL3-OPT-L-HSS-WH



ARL3-OPT-XL-HSS-BZ  
ARL3-OPT-XL-HSS-BL  
ARL3-OPT-XL-HSS-WH



ARL3-OPT-XXL-HSS-BZ  
ARL3-OPT-XXL-HSS-BL  
ARL3-OPT-XXL-HSS-WH



S-TWC-PIR-1  
S-TWC-PIR-SL  
S-TWC-PIR-BT



S-TWC-MW-1  
S-TWC-MW-BT  
TWC-DL



S-LINE-R  
Controller



Optic Lenses  
Beam Angle: Type III Installed  
(Type II, IV, V included in box)  
Tool-free interchangeable in the field



3 Pin Photocell  
120-277V  
PC-TWL-UNV



3 Pin Photocell  
347-480V  
PC-TWL-HV











PC  
Short Cap  
PC-SHORT-CAP

## SENSORS

Accessory	Description
S-TWC-MW-1	S-Line: Twist-C Microwave Sensor   Remote Required: (S-LINE-R)
S-TWC-PIR-1	PIR Bi-Level Motion + Daylight Sensor (Remote Req'd)
S-TWC-PIR-SL	PIR SILVAIR Bluetooth Mesh
S-TWC-PIR-BT	PIR ENVISIONLS Bluetooth Control
TWC-DL	S-Line: Twist-C Daylight Sensor: Dusk to Dawn, works like a photocell

# Control Options

EnVision LED offers 3 control systems compatible with our LED Fixtures for projects of all sizes and budgets.

	Basic Controls	EnVisionLS 	EnVisionLED.x SILVAIR 
<b>Description</b>	Standard Plug In Sensors	Basic Bluetooth Wireless Control	Advanced Bluetooth Wireless Control
<b>Recommended Quantity</b> (but not limited to)	N/A	>40-50 Nodes	>50 Nodes
<b>Maximum Zone Quantity</b>	N/A	100	3,000
<b>Commissioning Tool</b>	Remote Only	  ENVISIONLS App 	  SILVAIR App 
<b>Commissioning Process</b>	Individually Set via Remote	Wireless Must be done on site	Wireless- Initial linking must be done on site. Commissioning can be done via desktop remotely.
<b>Floor Plan Upload</b>	N/A	N/A	Yes Add a floor plan and mark luminaires & zones via desktop
<b>Gateway</b>	N/A	N/A	Required only for energy monitoring, advanced scheduling, automated demand response.
<b>Individual Luminaire Control</b>	Yes	Yes	Yes
<b>Luminaire Grouping Zoning</b>	N/A	Yes	Yes
<b>High End Power Low End Power</b>	Yes but limited (View Remote)	Yes	Yes
<b>Cost</b>	\$	\$\$	\$\$\$
<b>DLC NLC Listed</b>	N/A	Yes	Yes
<b>Energy Monitoring &amp; Data Reporting</b>	N/A	N/A	Monitor energy usage per individual zone & retrofit cost savings calculation + detailed reporting







# Compatible Products:

EnVision offers a variety of nodes, sensors, & gateways that are controlled via remote, ENVISIONLS Bluetooth Mesh & SILVAIR Bluetooth Mesh on all of our 0-10V dimmable fixtures.






## Individual Fixture Controls: PIR Sensor, Bi-Level Dimming, Daylight


Basic Note: **-1** • ENVISIONLS Models Note: **-BT** • SILVAIR Models Note: **-SL**

	MODEL #	DESIGN	RECOMMENDED FIXTURE	FEATURES
	<b>S-TWC-PIR-1</b> <b>S-TWC-PIR-BT</b> <b>S-TWC-PIR-SL</b>	Twist-C Control Sensor	Sensor Ready Fixtures: Area Lights, Canopies, Flood Lights, High Bays	All models are equipped with PIR occupancy sensing, high & low end bi-level dimming, & daylight sensing.
	<b>S-TWC-90 + S-TWC-PIR-1</b> <b>S-TWC-90 + S-TWC-PIR-BT</b> <b>S-TWC-90 + S-TWC-PIR-SL</b>	Twist-C Control Sensor + 90 Degree Arm	Cylinders, Strips, Wall Packs	
	<b>S-AUD-PIR-1</b> <b>S-AUD-PIR-BT</b> <b>S-AUD-PIR-SL</b>	2.5m Audio Jack	Panels & Troffers	
	<b>S-SN-PIR-1</b> <b>S-SN-PIR-BT</b> <b>S-SN-PIR-SL</b>	Snap In Sensor	Troffers & Wraps	

## Group Controls ENVISIONLS Models Note : **-BT** • SILVAIR Models Note: **-SL**

	MODEL #	DESIGN	VOLTAGE	FEATURES	RECOMMENDED FEATURES
	<b>S-CM-PIR-LV-BT</b> <b>S-CM-PIR-LV-SL</b>	Ceiling Mounted PIR Sensor	12-24V	PIR Sensor, Bi-Level Dimming, Daylight, 360° detection, 12' Max Mounting Height	Connects to 0-10V dimmable fixtures
	<b>S-WM-PIR-CUNV-BT</b> <b>S-WM-PIR-CUNV-SL</b>	Wall Mounted PIR Occupancy Sensor, Bi-Level Dimming, Daylight	120-277V	On/Off PIR occupancy sensor, 180° detection, 30' detection @ 4' Mounting Height	Connects to LED fixtures
	<b>S-WS-120V-USB-SL</b>		120V	Dimming Wall Socket, Two Sockets	Floor Lamps, Other Lamps

## Gateway (Silvair Only) 4.5–5.5 V DC, 2A Power over Ethernet 36–57 V DC

	MODEL #	DESIGN	VOLTAGE	FEATURES	RECOMMENDED FEATURES
	<b>SGW-102</b>	Wall or Ceiling Mounted	POE	Advanced Energy Monitoring Control	Connects to Silvair Controls. Gateway is not required.