

OPTIC-Line Selectable: Large Area Lights

2200k Amber & 5-Power
& 3-Beam Angle Selectable



Detail Specifications:

- Finish: Bronze, Black, White, Gray
- IP Rating: Wet Location (IP65)
- Beam Angle: Type III, IV, V
- CCT: 2200k
- 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
- <2% Blue Light

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
- Select-n-Switch Technology: 5-Power & 3-Beam Angle Selectable
- Full Cutoff/Fully Shielded
- 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:

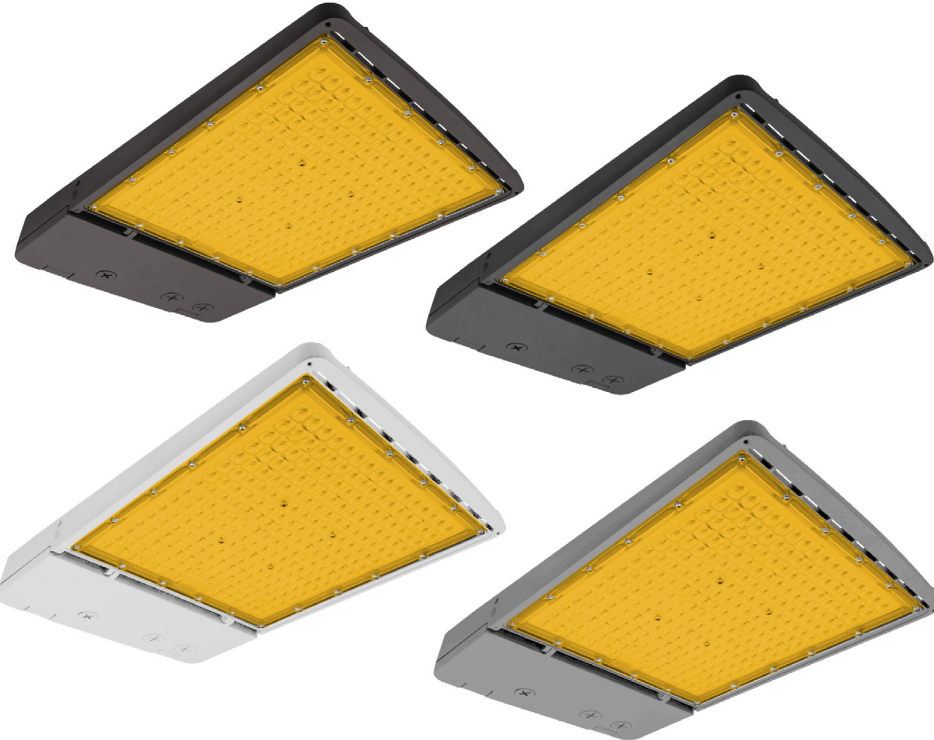
- UNV: 120-277V or HV: 277-480V, 0-10V Dimmable
- Built in 6kV Surge Protector
 - 20kV available
- THD: <20% (+/-5% tolerance), PF >0.9, 50/60Hz

Mounting & Installation:

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

Certifications:

- UL Listed for USA and CA
- DLC Premium Listed
- Pending ETA 5/1/2025
- ROHS Compliant
- Approved for CA T24
- 7 Year Limited Warranty
- FCC CFR 47, GCC Part 15, Subpart B:2017
- In compliance with Hawai'i County Code (HCC 14-9) and Maui County Code (Ord No.5434) for preserving dark skies.
- Must use shield and fixture must be mounted horizontally.
- <2% Blue Light Content



5P150		5P300		5P430	
WATT	LUMENS	WATT	LUMENS	WATT	LUMENS
50	7,500	180	27,000	310	46,500
75	11,250	210	31,500	340	51,000
100	15,000	240	36,000	370	55,500
125	18,750	270	40,500	400	60,000
150	22,500	300	45,000	430	64,500

LUMENS ARE BASED ON 4000k. 30K & 50K +/- 5%

Series	Beam Angle ¹	Power	3CCT	Finish	Voltage ²	Photocell ³	EMB
LED-ARL3 -			- 22K -				
3B	5P150		2000K	BZ	UNV	(Blank)	(Blank)
Type III, IV, V	150/125/100			Bronze	120-277V	No Photocell	No
Selectable	75/50w			(Standard)	(6kV Surge Protector)	PC	Emergency
2BN	5P300			BL	HV	Photocell is included.	EMB
Type I, II, III	300/270/240			Black	277-480V	Easy quick disconnect.	40W Remote
Selectable	210/180w			WH	(6kV Surge Protector)		Emergency 6,000lm
	5P430			GRY	UNV20KV		
	430/400/370			White	120-277V		
	340/310w			Gray	(20kV Surge Protector)		
					HV20KV		
					277-480V		
					(6kV Surge Protector)		

2. 6kV quick ship. 20kV models are made to order.
3. Photocell is only available for UNV models. Use "TWC-DL" for UNV & HV model twist-c technology easy field install photocell.

Required Accessories

Bronze Bracket Black Bracket

ARL3-SF Slip Fitter	ARL3-SF-BL Slip Fitter
ARL3-SA Straight Arm	ARL3-SA-BL Straight Arm
ARL3-SFA Adjustable	ARL3-SFA-BL Adjustable
ARL3-SFA-TR Slip Fitter/Straight Arm Combo	ARL3-SFA-TR-BL Slip Fitter/Straight Arm Combo
ARL3-TR Trunnion	ARL3-TR-BL Trunnion
White Bracket	Gray Bracket

ARL3-SF-WH Slip Fitter	ARL3-SF-GRY Slip Fitter
ARL3-SA-WH Straight Arm	ARL3-SA-GRY Straight Arm
ARL3-SFA-WH Adjustable	ARL3-SFA-GRY Adjustable
ARL3-SFA-WH-TR Slip Fitter/Straight Arm Combo	ARL3-SFA-GRY-TR Slip Fitter/Straight Arm Combo
ARL3-TR-WH Trunnion	ARL3-TR-GRY Trunnion

Optional Accessories

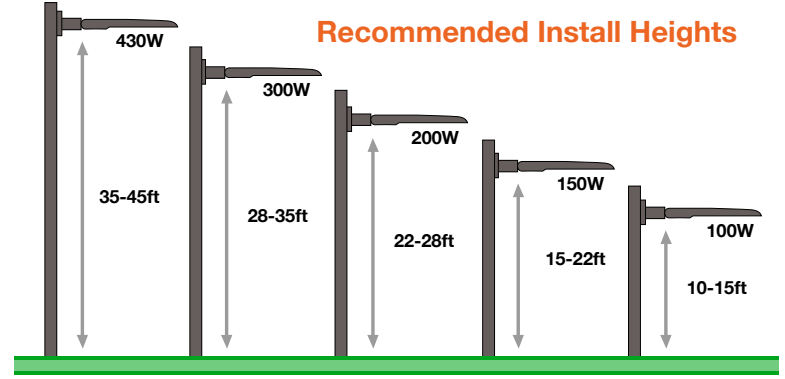
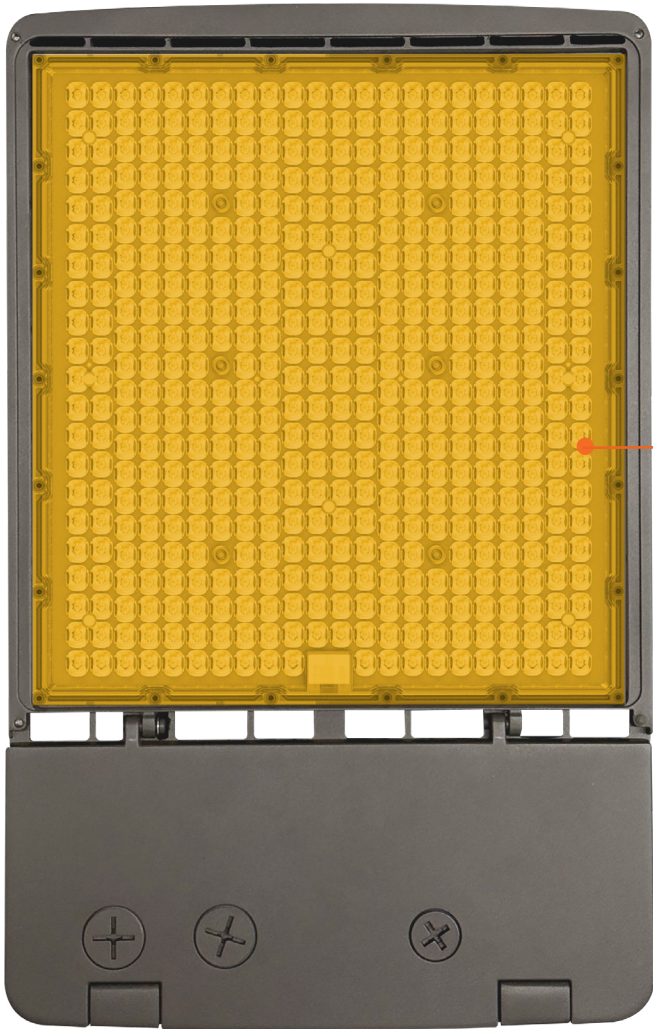
Control Sensors	Wall Mount	Shields
S-TWC-MW-1 S-Line: Twist-C Microwave Sensor Remote Required: (S-LINE-R)	ARL3-WM Must Purchase with SA or SFA Bronze	4-Piece Shield. Back/Front/Sides.
S-TWC-PIR-1 PIR Bi-Level Motion + Daylight Sensor Remote Required: (S-LINE-R)	ARL3-WM-BL Black	ARL3-3B-L-HSS-BZ 5P150 Model: Bronze
S-TWC-PIR-SL PIR SILVAIR Bluetooth Mesh	ARL3-WM-WH White	ARL3-3B-L-HSS-BL 5P150 Model: Black
S-TWC-PIR-BT PIR ENVISIONLS Bluetooth Control	ARL3-WM-GRY Gray	ARL3-3B-L-HSS-WH 5P150 Model: White
TWC-DL S-Line: Twist-C Daylight Sensor: Photocell		ARL3-3B-L-HSS-GRY 5P150 Model: Gray
		ARL3-3B-XL-HSS-BZ 5P150 Model: Bronze
		ARL3-3B-XL-HSS-BL 5P150 Model: Black
		ARL3-3B-XL-HSS-WH 5P150 Model: White
		ARL3-3B-XL-HSS-GRY 5P150 Model: Gray
		ARL3-3B-XXL-HSS-BZ 5P150 Model: Bronze
		ARL3-3B-XXL-HSS-BL 5P150 Model: Black
		ARL3-3B-XXL-HSS-WH 5P150 Model: White
		ARL3-3B-XXL-HSS-GRY 5P150 Model: Gray

Specs and model numbers are subject to change with or without notice.

FEATURES

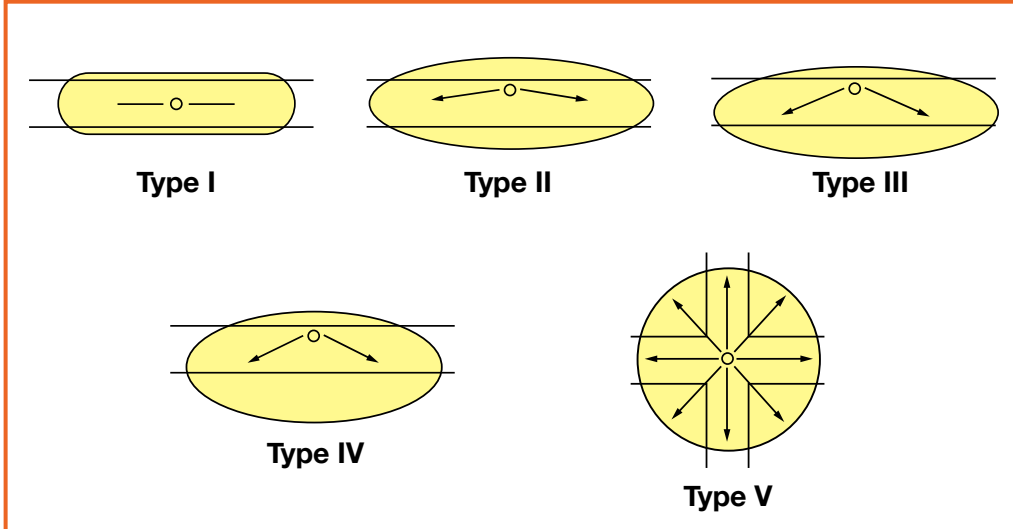


EPA & BUG						
WATTAGE	Diagram 1		Diagram 2		Diagram 3	
	BUG	1PC FIXTURE	2PC 180°	2PC 90°	3PC 90°	4PC 90°
5P150	B3-U0-G3	0.384	0.776	0.599	0.914	0.914
5P300	B4-U0-G4	0.468	0.945	0.73	1.114	1.114

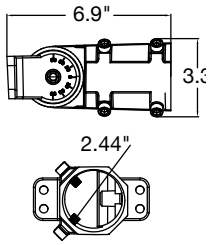


Field Swap Optics

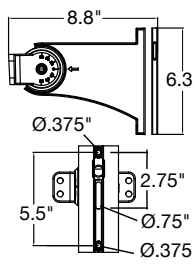
Light Distribution



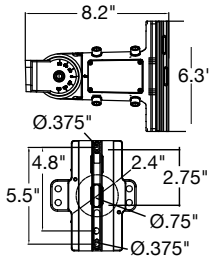
BRACKET DIMENSIONS



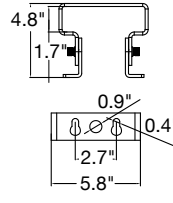
ARL3-SF



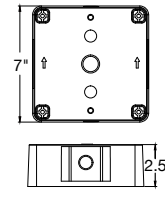
ARL3-SA



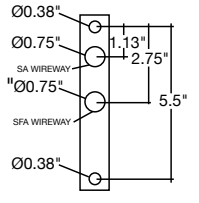
ARL3-SFA



ARL3-TR

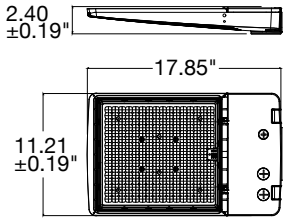


ARL3-WM

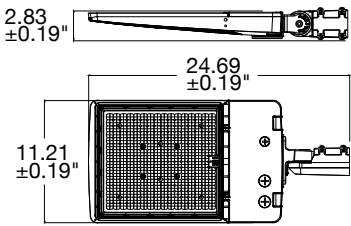


SA/SFA

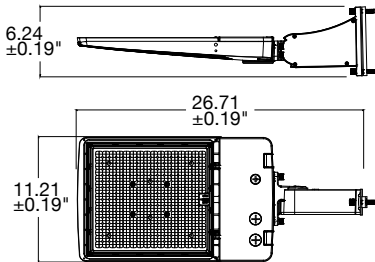
5P150



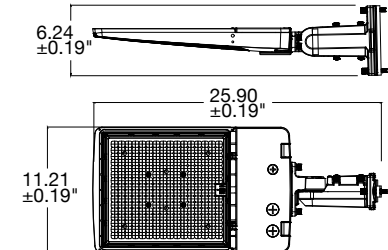
SF



SA

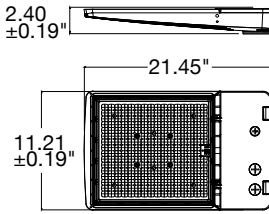


SFA

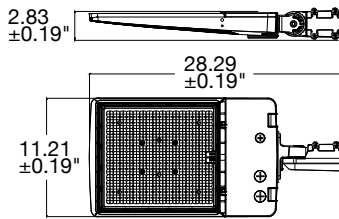


TR

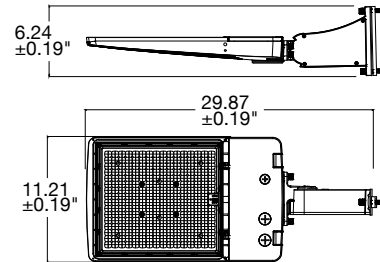
5P300



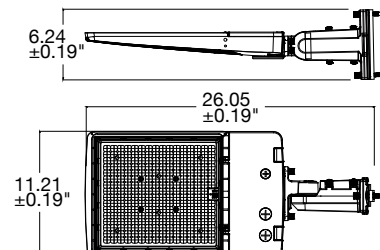
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SA

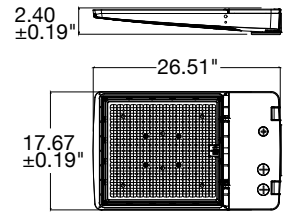


SFA

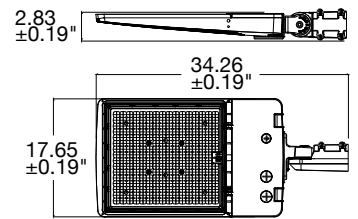


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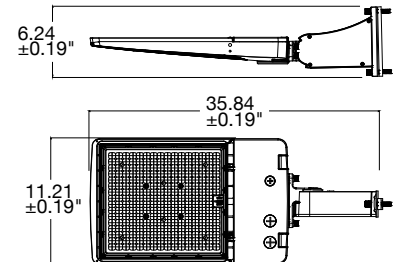
5P430



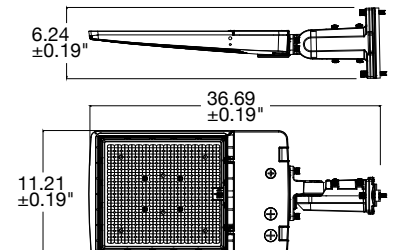
SF



SA



SFA

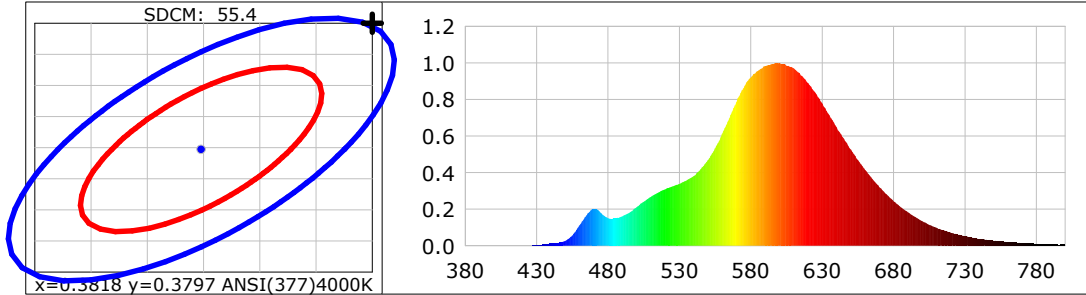


TR

WAVELENGTH DATA

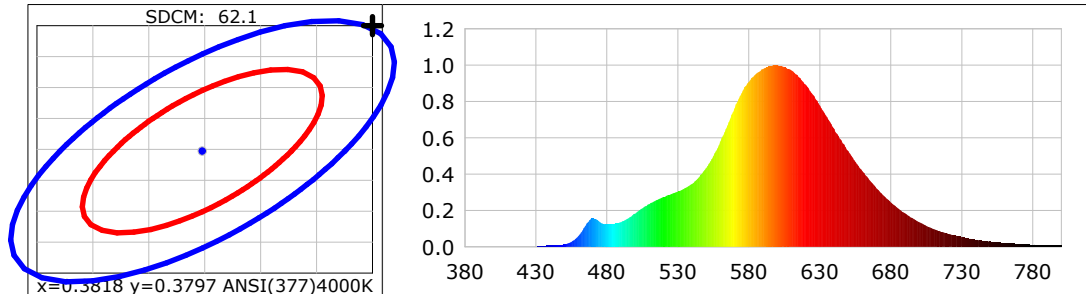
430W CIE COLORIMETRIC PARAMETERS

Chromaticity coordinates: $x=0.4960$ $y=0.4437$ $u(u')=0.2706$ $v=0.3631$ $v'=0.5446$
CCT: $T_c=2492K$ ($duv=0.00912$) Color Ratio: $R=0.247$ $G=0.737$ $B=0.017$
Peak Wavelength: 599.8nm Half Bandwidth: 99.7nm
Dominant Wavelength: 582.9nm Color Purity: 0.821
CRI: $R_a=69.9$, $avgR(1\sim14)=64.6$, $avgR(1\sim15)=63.9$ TM30: $R_f=71$, $R_g=76$
 $R1=66$ $R2=84$ $R3=91$ $R4=62$ $R5=65$ $R6=82$ $R7=73$ $R8=37$
 $R9=0$ $R10=68$ $R11=56$ $R12=58$ $R13=69$ $R14=95$ $R15=55$
Color Quality Scale: $Q_a=63.9$, $Q_f=68.2$, $Q_p=59.0$, $Q_g=64.9$
 $Q1=66$ $Q2=77$ $Q3=88$ $Q4=76$ $Q5=69$ $Q6=62$ $Q7=59$ $Q8=62$
 $Q9=61$ $Q10=50$ $Q11=58$ $Q12=63$ $Q13=67$ $Q14=54$ $Q15=64$



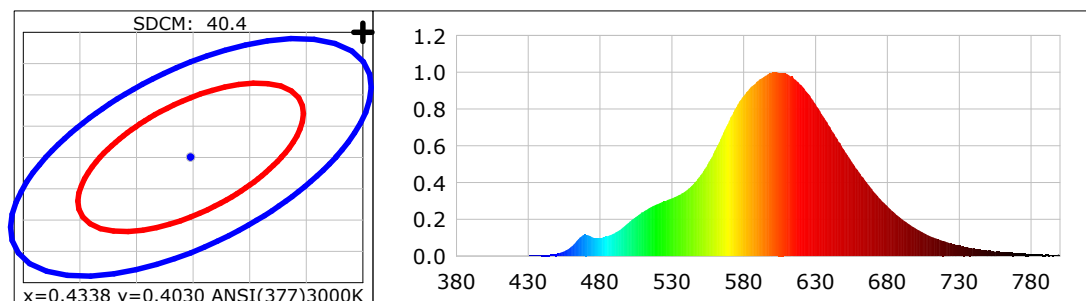
300W CIE COLORIMETRIC PARAMETERS

Chromaticity coordinates: $x=0.5082$ $y=0.4454$ $u(u')=0.2774$ $v=0.3647$ $v'=0.5470$
CCT: $T_c=2375K$ ($duv=0.00930$) Color Ratio: $R=0.256$ $G=0.730$ $B=0.014$
Peak Wavelength: 599.8nm Half Bandwidth: 97.3nm
Dominant Wavelength: 583.6nm Color Purity: 0.863
CRI: $R_a=67.8$, $avgR(1\sim14)=62.6$, $avgR(1\sim15)=61.9$ TM30: $R_f=68$, $R_g=72$
 $R1=63$ $R2=82$ $R3=90$ $R4=59$ $R5=63$ $R6=80$ $R7=72$ $R8=34$
 $R9=0$ $R10=65$ $R11=52$ $R12=56$ $R13=66$ $R14=94$ $R15=53$
Color Quality Scale: $Q_a=56.6$, $Q_f=61.8$, $Q_p=50.7$, $Q_g=58.6$
 $Q1=64$ $Q2=71$ $Q3=85$ $Q4=75$ $Q5=68$ $Q6=60$ $Q7=54$ $Q8=53$
 $Q9=50$ $Q10=35$ $Q11=44$ $Q12=52$ $Q13=59$ $Q14=49$ $Q15=62$



150W CIE COLORIMETRIC PARAMETERS

Chromaticity coordinates: $x=0.5132$ $y=0.4468$ $u(u')=0.2799$ $v=0.3655$ $v'=0.5482$
CCT: $T_c=2333K$ ($duv=0.00964$) Color Ratio: $R=0.265$ $G=0.722$ $B=0.012$
Peak Wavelength: 602.7nm Half Bandwidth: 101.4nm
Dominant Wavelength: 583.8nm Color Purity: 0.882
CRI: $R_a=70.4$, $avgR(1\sim14)=64.9$, $avgR(1\sim15)=64.3$ TM30: $R_f=68$, $R_g=71$
 $R1=66$ $R2=83$ $R3=91$ $R4=63$ $R5=66$ $R6=81$ $R7=74$ $R8=39$
 $R9=0$ $R10=66$ $R11=57$ $R12=58$ $R13=69$ $R14=95$ $R15=56$
Color Quality Scale: $Q_a=52.6$, $Q_f=58.1$, $Q_p=46.1$, $Q_g=56.1$
 $Q1=64$ $Q2=67$ $Q3=81$ $Q4=78$ $Q5=72$ $Q6=63$ $Q7=53$ $Q8=48$
 $Q9=41$ $Q10=24$ $Q11=34$ $Q12=44$ $Q13=55$ $Q14=49$ $Q15=65$



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

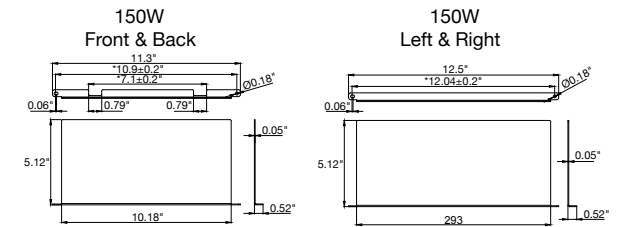
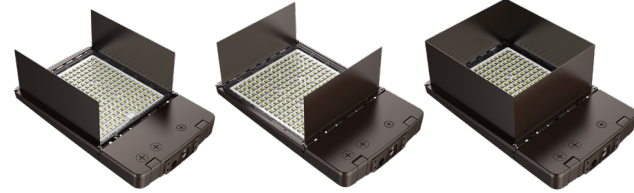


ARL3-WM

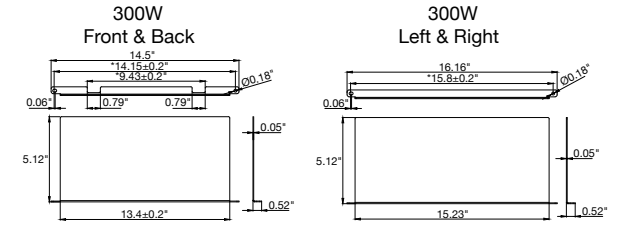
Wall Mount Adapter

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

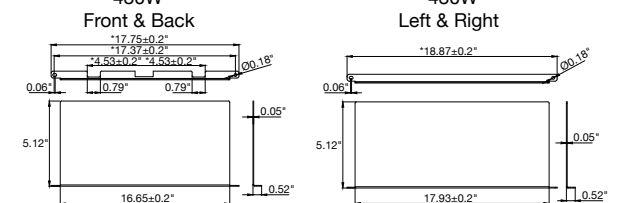
Accessory Model	Description
ARL3-SF	ARL3: Slip Fitter
ARL3-SF-BL	ARL3: Slip Fitter (Black)
ARL3-SF-WH	ARL3: Slip Fitter (White)
ARL3-SF-GRY	ARL3: Slip Fitter (Gray)
ARL3-SA	ARL3: Straight Arm
ARL3-SA-BL	ARL3: Straight Arm (Black)
ARL3-SA-WH	ARL3: Straight Arm (White)
ARL3-SA-GRY	ARL3: Straight Arm (Gray)
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-SFA-GRY	ARL3: Slip Fitter/Straight Arm Combo (Gray)
ARL3-TR	ARL3: Trunnion
ARL3-TR-BL	ARL3: Trunnion (Black)
ARL3-TR-WH	ARL3: Trunnion (White)
ARL3-TR-GRY	ARL3: Trunnion (Gray)
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-WM-GRY	ARL3: Wall Mount Adapter (Gray) (Requires ARL3-SA or ARL3-SFA)
ARL3-3B-L-HSS-BZ	ARL3: OPTIC-Line: 4 Piece Shield for 5P150: BACK/FRONT/SIDES
ARL3-3B-L-HSS-BL	ARL3: OPTIC-Line: 4 Piece Shield for 5P150 BACK/FRONT/SIDES
ARL3-3B-L-HSS-WH	ARL3: OPTIC-Line: 4 Piece Shield for 5P150 BACK/FRONT/SIDES
ARL3-3B-L-HSS-GRY	ARL3: OPTIC-Line: 4 Piece Shield for 5P150 BACK/FRONT/SIDES
ARL3-3B-XL-HSS-BZ	ARL3: OPTIC-Line: 4 Piece Shield for 5P300 BACK/FRONT/SIDES
ARL3-3B-XL-HSS-BL	ARL3: OPTIC-Line: 4 Piece Shield for 5P300 BACK/FRONT/SIDES
ARL3-3B-XL-HSS-WH	ARL3: OPTIC-Line: 4 Piece Shield for 5P300 BACK/FRONT/SIDES
ARL3-3B-XL-HSS-GRY	ARL3: OPTIC-Line: 4 Piece Shield for 5P300 BACK/FRONT/SIDES
ARL3-3B-XXL-HSS-BZ	ARL3: OPTIC-Line: 4 Piece Shield for 5P450 BACK/FRONT/SIDES
ARL3-3B-XXL-HSS-BL	ARL3: OPTIC-Line: 4 Piece Shield for 5P450 BACK/FRONT/SIDES
ARL3-3B-XXL-HSS-WH	ARL3: OPTIC-Line: 4 Piece Shield for 5P450 BACK/FRONT/SIDES
ARL3-3B-XXL-HSS-GRY	ARL3: OPTIC-Line: 4 Piece Shield for 5P450 BACK/FRONT/SIDES
ARL3-3P150-3B-1-2-3	Area Light: OPTIC-Line (Selectable): Lens for Type I, II, III 5P150
ARL3-3P300-3B-1-2-3	Area Light: OPTIC-Line (Selectable): Lens for Type I, II, III 5P300
ARL3-3P450-3B-1-2-3	Area Light: OPTIC-Line (Selectable): Lens for Type I, II, III 5P450



**ARL3-3B-L-HSS-BZ · ARL3-3B-L-HSS-BL
ARL3-3B-L-HSS-WH · ARL3-3B-L-HSS-GRY**



**ARL3-3B-XL-HSS-BZ · ARL3-3B-XL-HSS-BL
ARL3-3B-XL-HSS-WH · ARL3-3B-XL-HSS-GRY**



**ARL3-3B-XXL-HSS-BZ · ARL3-3B-XXL-HSS-BL
ARL3-3B-XXL-HSS-WH · ARL3-3B-XXL-HSS-GRY**



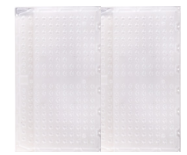
**S-TWC-PIR-1 · S-TWC-PIR-SL
S-TWC-PIR-BT**



**S-TWC-MW-1
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

EnVisionLED™ 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 
Description	Standard Plug In Sensors	Basic Bluetooth Wireless Control	Advanced Bluetooth Wireless Control
Recommended Quantity (but not limited to)	N/A	>40-50 Nodes	>50 Nodes
Maximum Zone Quantity	N/A	100	3,000
Commissioning Tool	Remote Only	  ENVISIONLS App 	  SILVAIR App 
Commissioning Process	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.
Floor Plan Upload	N/A	N/A	Yes Add a floor plan and mark luminaires & zones via desktop
Gateway	N/A	N/A	Required only for energy monitoring, advanced scheduling, automated demand response.
Individual Luminaire Control	Yes	Yes	Yes
Luminaire Grouping Zoning	N/A	Yes	Yes
High End Power Low End Power	Yes but limited (View Remote)	Yes	Yes
Cost	\$	\$\$	\$\$\$
DLC NLC Listed	N/A	Yes	Yes
Energy Monitoring & Data Reporting	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
	S-TWC-PIR-1 S-TWC-PIR-BT S-TWC-PIR-SL	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.
	S-TWC-90 + S-TWC-PIR-1 S-TWC-90 + S-TWC-PIR-BT S-TWC-90 + S-TWC-PIR-SL	Twist-C Control Sensor + 90 Degree Arm	Cylinders, Strips, Wall Packs	
	S-AUD-PIR-1 S-AUD-PIR-BT S-AUD-PIR-SL	2.5m Audio Jack	Panels & Troffers	
	S-SN-PIR-1 S-SN-PIR-BT S-SN-PIR-SL	Snap In Sensor	Troffers & Wraps	

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

	MODEL #	DESIGN	VOLTAGE	FEATURES	RECOMMENDED FEATURES
	S-CM-PIR-LV-BT S-CM-PIR-LV-SL	Ceiling Mounted PIR Sensor	12-24V	PIR Sensor, Bi-Level Dimming, Daylight, 360° detection, 12' Max Mounting Height	Connects to 0-10V dimmable fixtures
	S-WM-PIR-CUNV-BT S-WM-PIR-CUNV-SL	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
	S-WS-120V-USB-SL		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
	SGW-102	Wall or Ceiling Mounted	POE	Advanced Energy Monitoring Control	Connects to Silvair Controls. Gateway is not required.