

Project Name:

Part Number:

Type:

# AL SERIES WALL MOUNT

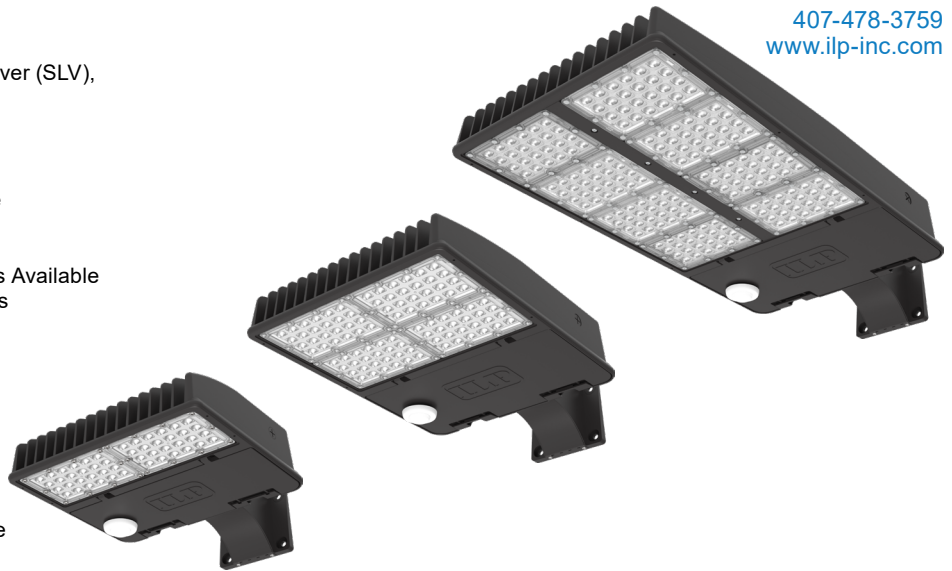
## OUTDOOR



407-478-3759  
www.ilp-inc.com

### FEATURES

- Slim Profile die-cast aluminum housing
- Factory Select Finishes: Bronze (BRZ), Black (BLK), Silver (SLV), and White (WHT)
- Custom colors finishes available<sup>1</sup>
- Type II, III, & IV optics available
- Toolless hinged drop down driver access
- 120–277V Universal Voltage or 347–480V High Voltage
- 0–10V Dimmable Driver (std.)
- Battery backup option available (56W, 90W)
- PIR Occupancy, Photocell, & Bi-Level Dimming Sensors Available
- 3-Pin & 7-Pin ANSI C136.41 Control Receptacle Options
- Wireless control integrated luminaire
- 3000K, 4000K & 5000K CCT
- >70 Color Rendering Index (CRI)
- Calculated L<sub>70</sub> >100,000 hrs @ 25°C per TM-21-11
- IP66 Rated Luminaire
- Dark Sky Compliant
- 5 Year Warranty
- ETL Listed for Wet Locations
- DesignLights Consortium® Premium Qualified Luminaire



<sup>1</sup>Contact factory for availability



### SUITABLE APPLICATIONS

• Parking Structures • Airports • Government Facilities • Parks • Education • Hospitals • Car Dealerships • Roadways • Shopping Centers

### ORDERING GUIDE:

SERIES	WATTS	DRIVER <sup>1</sup>	COLOR	OPTIC	FINISH
AL AL Series Wall Mount	56W	U 120-277V	50	T2	BLANK Bronze
	90W	HV <sup>1</sup> 347-480V	40	T3	BLK <sup>4</sup> Black
	110W		30	T4	SLV <sup>4</sup> Silver
	150W				WHT <sup>4</sup> White
	190W				CC <sup>4</sup> Custom Color
	225W				
	270W				
	375W				

#### OPTIONS

##### Factory Installed

SP1 <sup>2,3</sup>	10KA Max Univolt Surge Protector	PCU <sup>3</sup>	Electronic UNIV Photocell (120-277V)
SP2 <sup>2,3</sup>	22KA Max Univolt Surge Protector	CR3P	Universal 3-Pin control receptacle
SP480V <sup>2</sup>	20kA Max 347-480V Surge Protector	CR7P <sup>11</sup>	Universal 7-Pin control receptacle ANSI C136.41
F/ILBCP05 <sup>3,4</sup>	5W LED Factory Installed Battery Backup	USBD <sup>7</sup>	User Select Bi-Level Dim Occ. Sensor
F/ILBCP05/HE <sup>3,4</sup>	5W Title 20 HE Battery Backup	BDXX	Preset Bi-Level Dim Sensor (xx=% ex: 20,30)
FUSE/SXXX	Single-line Voltage Fuse (120, 277 or 347V)	BDXXPC	Preset Bi-Level Dim Sensor w/ photocell (xx=% ex: 20,30)
FUSE/DXXX	Dual-line Voltage Fuse (208, 240 or 480V)	WLOS	PIR Occupancy Sensor
SMLxxxx	Specified Lumen Output (xxxx = lumen output)		
SD347 <sup>3,5</sup>	347V Step Down Transformer		
SD480 <sup>3,5</sup>	480V Step Down Transformer		
TPS/L	Tamperproof Fixture Latches		
TPS/FF	Tamperproof Screws Full Fixture		

##### Ship with Accessories

TLPC/UNV <sup>10</sup>	Voltage is 120-277V	SU/5S/LR/IL <sup>1,3</sup>	Enlighted 5S Individual Lighting (IL) Sensor with Control Unit
TLPC/HV <sup>10</sup>	Voltage is 347-480V	SU/5S/LR/CL <sup>1,3</sup>	Enlighted 5S Connected Lighting (CL) Sensor with Control Unit
FSIR/100	FSP-2x1 Remote Programmer Tool	SU/5S/LR/IOT <sup>1,3</sup>	Enlighted 5S Internet of Things (IOT) Sensor with Control Unit
SRP/281	IR-TEC OS-NET Remote Sensor Configuration Tool	LPL/INT <sup>1,3</sup>	Limelight by Lutron Wireless Control System w/ Sensor
		IRTEC/W/B <sup>1,3,8</sup>	IR-TEC OS-NET Wireless Control System w/ Sensor

<sup>1</sup>Not available with SD347 or SD480 options

<sup>2</sup>SP1/SP2 specified in combination w/ battery backups, separate surge protectors are required per electrical line

<sup>3</sup>Not available with HV option

<sup>4</sup>56W-90W ONLY

<sup>5</sup>EXCLUDES 56W-90W

<sup>6</sup>EXCLUDES 270W-375W

<sup>7</sup>Requires FSIR/100 remote to program

<sup>8</sup> Requires SRP/281 to program

<sup>9</sup>Only 1 control option allotted (Basic/Advanced)

<sup>10</sup>Only compatible with CR3P & CR7P

<sup>11</sup>Dimming leads will be wired to receptacle unless otherwise specified

# AL SERIES WALL MOUNT

## OUTDOOR

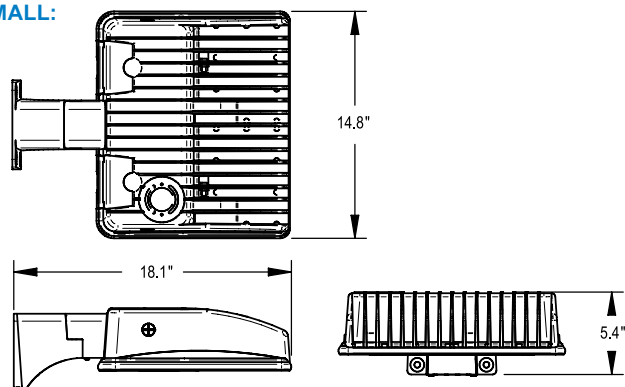
LED SYSTEMS INFORMATION <sup>1</sup>		3000K		4000K		5000K		Watts <sup>2</sup>	DLC Listing	Replaces		
Part Numbers	Distribution	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy					
AL-56W	T2	7,780 lm	133 lm/W	8,484 lm	147 lm/W	8,558 lm	149 lm/W	58 W	Premium	250W MH		
	T3	7,576 lm	130 lm/W	8,457 lm	147 lm/W	8,531 lm	148 lm/W					
	T4	7,515 lm	129 lm/W	8,217 lm	143 lm/W	8,289 lm	144 lm/W					
AL-90W	T2	12,137 lm	130 lm/W	12,782 lm	135 lm/W	12,894 lm	137 lm/W	94 W		Premium	250W MH	
	T3	11,784 lm	126 lm/W	12,741 lm	135 lm/W	12,853 lm	136 lm/W					
	T4	11,689 lm	125 lm/W	12,380 lm	131 lm/W	12,489 lm	132 lm/W					
AL-110W	T2	16,640 lm	147 lm/W	17,584 lm	156 lm/W	17,739 lm	158 lm/W	113 W			Premium	400W MH
	T3	16,205 lm	143 lm/W	17,528 lm	156 lm/W	17,682 lm	157 lm/W					
	T4	16,074 lm	142 lm/W	17,031 lm	151 lm/W	17,181 lm	153 lm/W					
AL-150W	T2	19,533 lm	133 lm/W	21,671 lm	146 lm/W	21,861 lm	147 lm/W	149 W				Premium
	T3	19,022 lm	130 lm/W	21,601 lm	145 lm/W	21,601 lm	145 lm/W					
	T4	18,869 lm	129 lm/W	20,989 lm	141 lm/W	21,173 lm	142 lm/W					
AL-190W	T2	24,185 lm	128 lm/W	26,664 lm	142 lm/W	26,898 lm	143 lm/W	188 W	Premium			
	T3	23,552 lm	125 lm/W	26,579 lm	142 lm/W	26,812 lm	143 lm/W					
	T4	23,362 lm	124 lm/W	25,825 lm	137 lm/W	26,052 lm	139 lm/W					
AL-225W	T2	28,370 lm	124 lm/W	30,326 lm	131 lm/W	30,592 lm	135 lm/W	232 W		Premium		
	T3	27,688 lm	120 lm/W	30,229 lm	131 lm/W	30,495 lm	135 lm/W					
	T4	27,405 lm	119 lm/W	29,372 lm	127 lm/W	29,630 lm	131 lm/W					
AL-270W	T2	37,589 lm	139 lm/W	40,094 lm	149 lm/W	40,446 lm	150 lm/W	270 W			Premium	
	T3	36,605 lm	136 lm/W	39,966 lm	148 lm/W	40,317 lm	150 lm/W					
	T4	36,310 lm	135 lm/W	38,833 lm	144 lm/W	38,655 lm	147 lm/W					
AL-375W	T2	48,914 lm	128 lm/W	52,323 lm	137 lm/W	52,783 lm	138 lm/W	383 W				Premium
	T3	47,634 lm	125 lm/W	52,156 lm	136 lm/W	52,614 lm	137 lm/W					
	T4	47,250 lm	124 lm/W	50,677 lm	132 lm/W	51,122 lm	134 lm/W					

<sup>1</sup>Values are nominal, see IES file for more detail

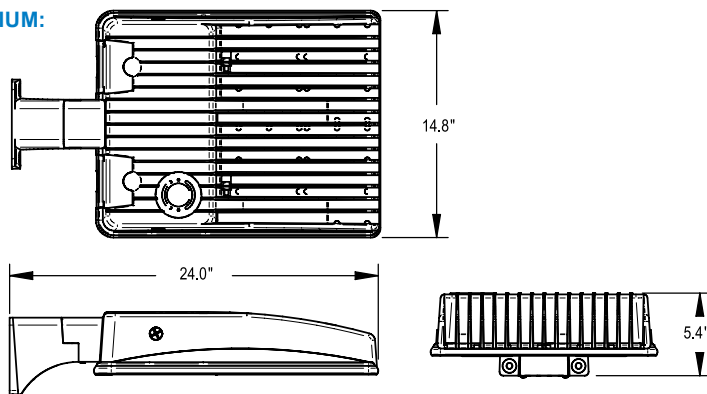
<sup>2</sup>Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

## LINE DRAWINGS

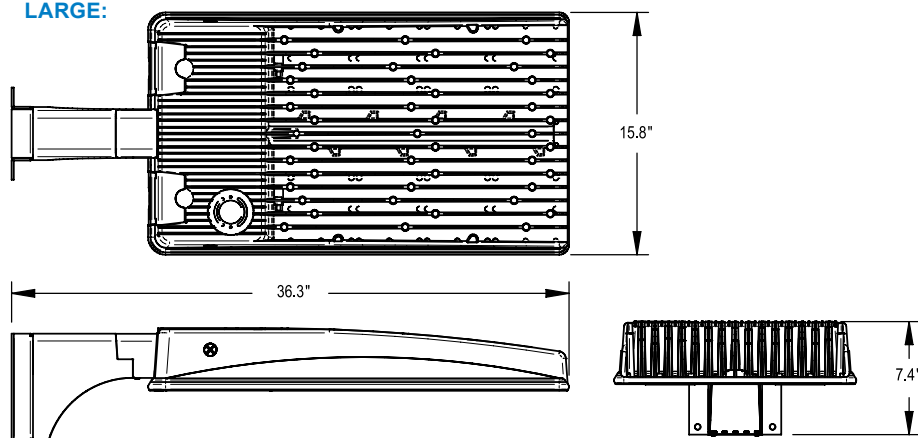
**SMALL:**



**MEDIUM:**



**LARGE:**



# AL SERIES WALL MOUNT

## OUTDOOR

### SPECIFICATIONS

#### CONSTRUCTION

The AL Series Wall Mount luminaire features a slim profile die-cast aluminum housing available in 3 different sizes for a fully scalable solution. The versatile wall mount casting allows for easy installation while the toolless swappable hinged door allows for quick drop down driver access for maintenance. The fully gasketed housing is IP66 rated for whole luminaire ingress protection. The AL Series Wall Mount is protected with a durable bronze polyester powder coat finish to withstand extreme weather changes without cracking or peeling. Alternate standard or custom finishes are wet painted over the bronze powder coat.

#### ELECTRICAL

High-performance driver features over-voltage, under-voltage, short circuit and over temperature protection. 0-10V dimming (10% - 100%) standard. Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac). L70 >100,000 hrs. in accordance of IESNA TM-21-11 projected values at 25°C Ambient temperature. Total harmonic distortion: <20%. Power factor: >0.90. Input power stays constant over life. Minimum 6kV surge rating meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2). Additional protection is available in 10kV and 20kV options. Optional 120-277V standard battery backups and CEC Title 20 compliant battery backups are available in the small size housing (56W-90W). The 90-minute batteries provide constant power to the LED system, ensuring code compliance and a test switch/indicator button is installed on the housing for ease of maintenance.

#### INSTALLATION

The versatile 3 step mounting method provides quick easy installation of the AL Series Wall Mount to any vertical wall surface. Simply attach the wall mount bracket to the wall utilizing 5/16" hardware (provided by others), slide the AL head down onto the dove-tail (the fixture will hold itself), and install the screws and arm cover. A 3-wire 3' outdoor rated cord is provided for wiring. 5-wire cord optional for external dimming, consult factory.

#### WARRANTY

5 Year Warranty (Terms and Conditions apply). See Website for more details. <https://www.ilp-inc.com/documents/>

#### OPTICS

The IP66 silicone gasket sealed optical chamber utilizes proprietary polycarbonate refractive optics to provide exceptional coverage and uniformity in IES Types 2, 3, & 4. Available in 5000K, 4000K, and 3000K, color temperatures per ANSI C78.377. Minimum CRI of 70. The AL series produces Zero upright and is IDA listed in 3000K color temperature.

#### THERMAL

The AL Series Wall Mount has an array of High-efficacy LED's mounted on a metal core circuit board. The LED boards are mounted directly to the cast aluminum housing with heat dissipating fins to provide excellent thermal performance extending the life of electronic components. Operating Ambient Temperature: -40°C to +50°C (-40°F to 120°F). Operating temperature for standard battery backup: -0°C to +50°C (-32°F to +122°F).

#### CONTROLS

**Standalone Controls:** Two ½" NPT apertures allow for field installed 120-277V universal electronic pencil photocells. Factory installed 3-Pin & 7-Pin ANSI C136.41 Control Receptacle Options available. Twist lock photocells sold separately (See accessories). Optional PIR sensors available installed in housing hinged door. Sensors provide optional on/off control, photocell capability, bi-level dimming, and the remote configuration tool allows for on-site modifications.

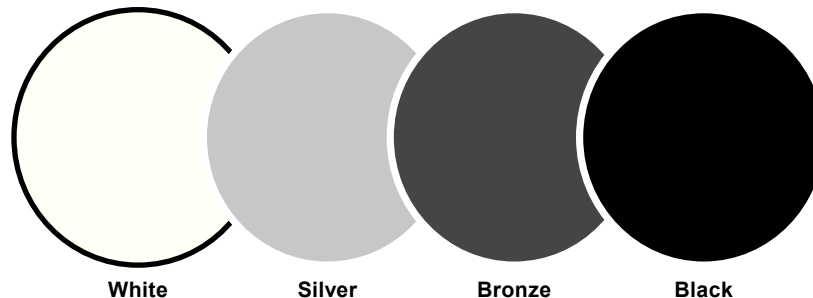
**Wireless Control Systems:** The AL Series Wall Mount is wireless mesh controls ready with IR-TEC, Enlighted, and Lutron Limelight wireless control platforms. Available with and without PIR sensors.

Inquire with factory for more information or for additional controls options, including customer supplied items.

#### CERTIFICATIONS

ETL Listed for wet locations. Tested in accordance with IESNA LM-79 and LM-80 standards. BAA compliant. RoHS Compliant. IDA compliant; with 3000K color temperature selection. Title 24 Compliant; see local ordinance for qualification information. IP66 rated Luminaire per IEC 60598. IP66 rated optical chamber. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### FACTORY SELECT COLOR GUIDE



COLOR NAME AND DESCRIPTION		SHEEN	PRICING
WHT	- ILP White	SEMI GLOSS	Standard
SLV	- ILP Silver - Ultrasonic Chrome	GLOSS	Standard
BRZ	- ILP Bronze	SEMI GLOSS	Standard
BLK	- ILP Black	SEMI GLOSS	Standard

**COLORS SHOWN ABOVE ARE TO BE USED AS REFERENCE, NOT EXACT MATCH. PLEASE REQUEST PAINT CHIPS FOR EXACT MATCH.**

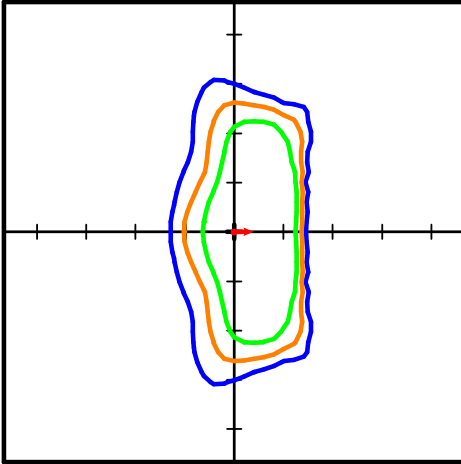
# AL SERIES WALL MOUNT

## OUTDOOR

### PHOTOMETRIC REPORTS

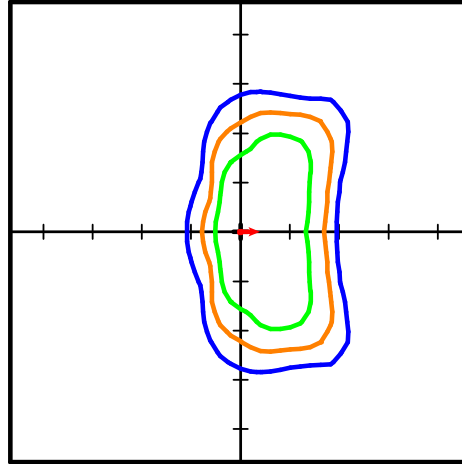
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)  
Blue = .5 fc, Orange = 1 fc, & Green = 2 fc

#### AL-56W-U-40-T2



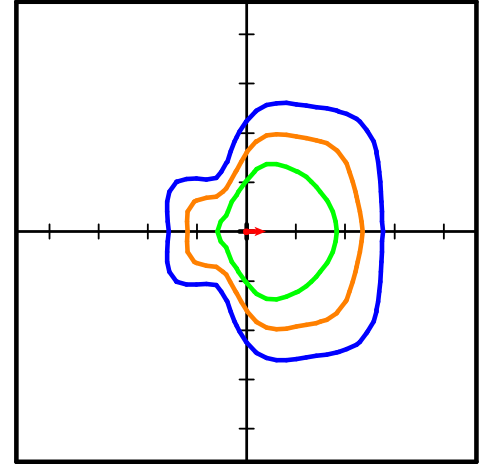
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 8436  
Mounting Height = 15.00 Ft  
Maximum Calculated Value = 6.09 Fc

#### AL-56W-U-40-T3



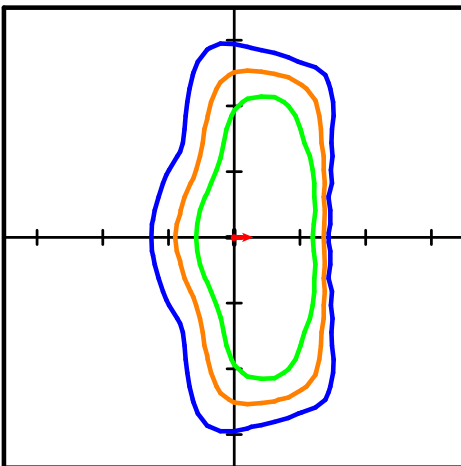
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 8355  
Mounting Height = 15.00 Ft  
Maximum Calculated Value = 5.81 Fc

#### AL-56W-U-40-T4



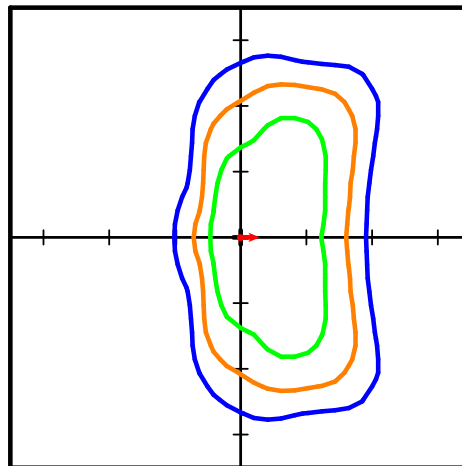
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 8357  
Mounting Height = 15.00 Ft  
Maximum Calculated Value = 6.55 Fc

#### AL-90W-U-40-T2



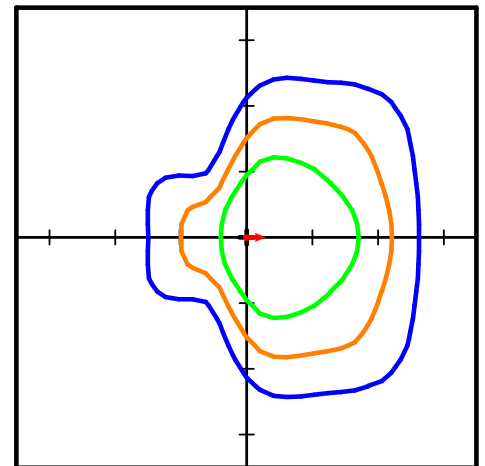
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 12846  
Mounting Height = 20.00 Ft  
Maximum Calculated Value = 5.33 Fc

#### AL-90W-U-40-T3



Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 12806  
Mounting Height = 20.00 Ft  
Maximum Calculated Value = 5.36 Fc

#### AL-90W-U-40-T4



Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 12461  
Mounting Height = 20.00 Ft  
Maximum Calculated Value = 5.43 Fc

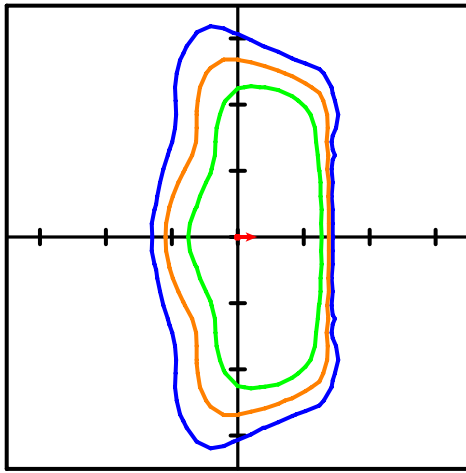
# AL SERIES WALL MOUNT

## OUTDOOR

### PHOTOMETRIC REPORTS

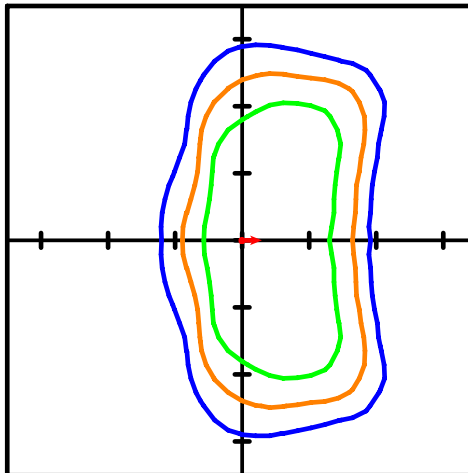
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)  
Blue = .5 fc, Orange = 1 fc, & Green = 2 fc

AL-110W-U-40-T2



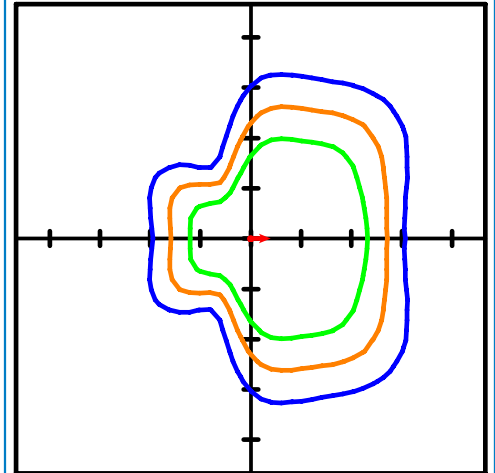
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 17489  
Mounting Height = 20.00 Ft  
Maximum Calculated Value = 7.37 Fc

AL-110W-U-40-T3



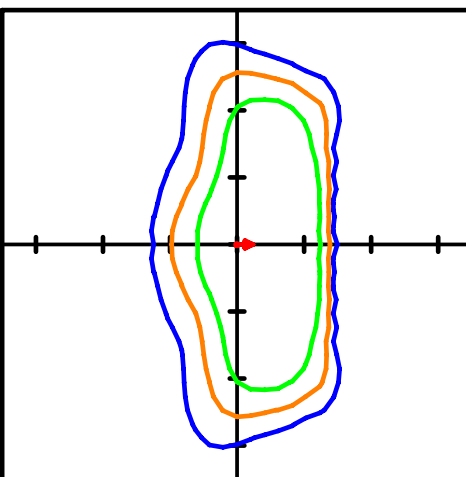
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 16600  
Mounting Height = 20.00 Ft  
Maximum Calculated Value = 6.19 Fc

AL-110W-U-40-T4



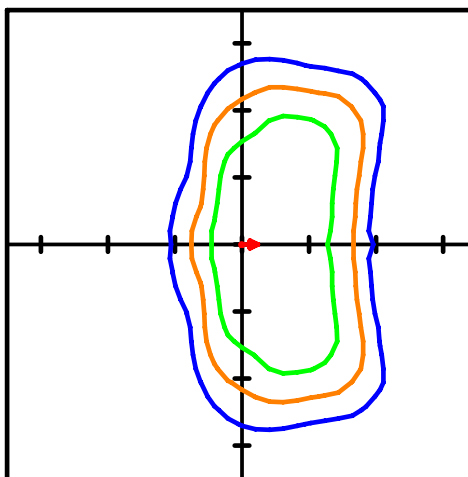
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 17031  
Mounting Height = 15.00 Ft  
Maximum Calculated Value = 13.05 Fc

AL-150W-U-40-T2



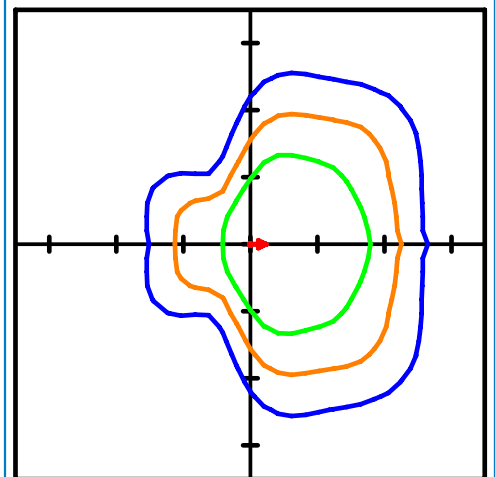
Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 21715  
Mounting Height = 25.00 Ft  
Maximum Calculated Value = 5.61 Fc

AL-150W-U-40-T3



Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 21541  
Mounting Height = 25.00 Ft  
Maximum Calculated Value = 5.40 Fc

AL-150W-U-40-T4



Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 20988  
Mounting Height = 25.00 Ft  
Maximum Calculated Value = 5.62 Fc

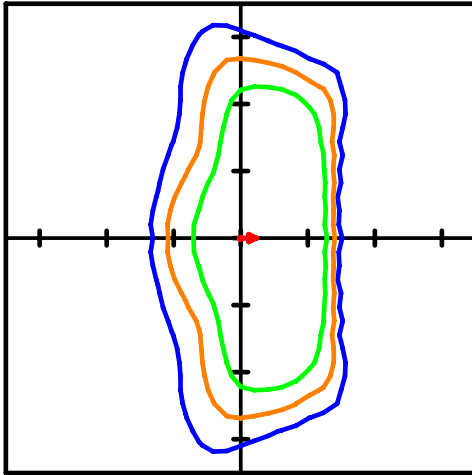
# AL SERIES WALL MOUNT

## OUTDOOR

### PHOTOMETRIC REPORTS

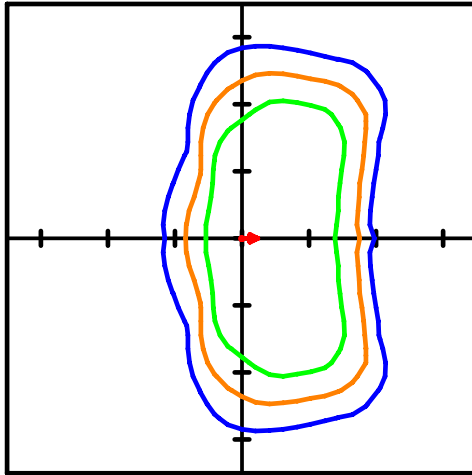
Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at [www.ilp-inc.com](http://www.ilp-inc.com)  
Blue = .5 fc, Orange = 1 fc, & Green = 2 fc

AL-190W-U-40-T2



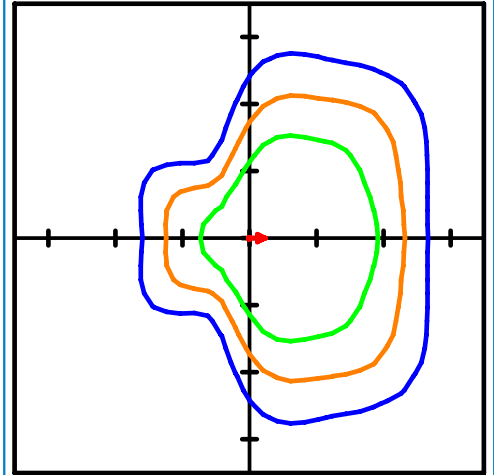
Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 26479  
Mounting Height = 25.00 Ft  
Maximum Calculated Value = 6.84 Fc

AL-190W-U-40-T3



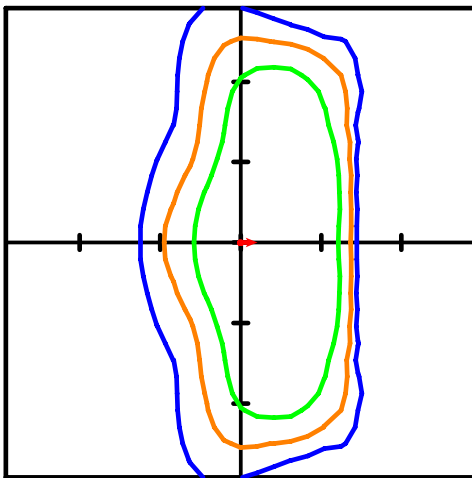
Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 26548  
Mounting Height = 25.00 Ft  
Maximum Calculated Value = 6.86 Fc

AL-190W-U-40-T4



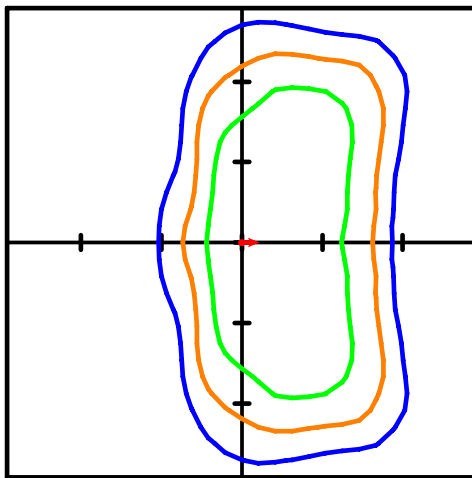
Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 25824  
Mounting Height = 25.00 Ft  
Maximum Calculated Value = 6.89 Fc

AL-225W-U-40-T2



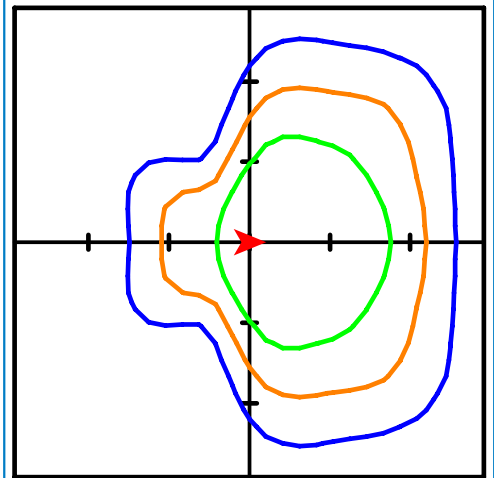
Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 30326  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 5.50 Fc

AL-225W-U-40-T3



Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 30229  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 5.35 Fc

AL-225W-U-40-T4



Horizontal Footcandles  
Scale: 1 inch = 25ft  
Luminaire Lumens = 29371  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 5.55 Fc

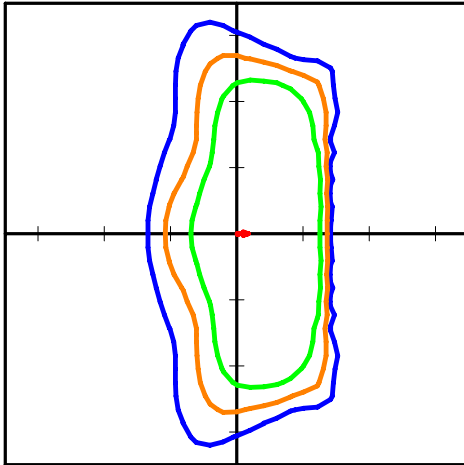
# AL SERIES WALL MOUNT

## OUTDOOR

### PHOTOMETRIC REPORTS

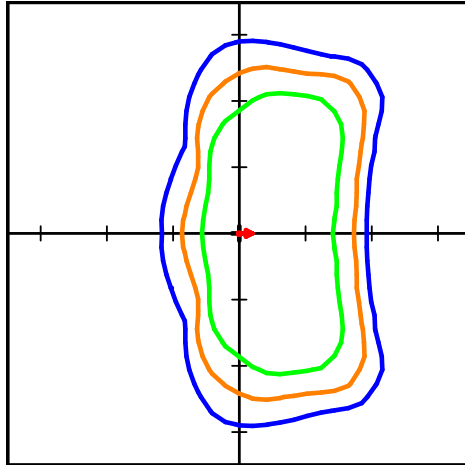
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Blue = .5 fc, Orange = 1 fc, & Green = 2 fc

AL-270W-U-40-T2



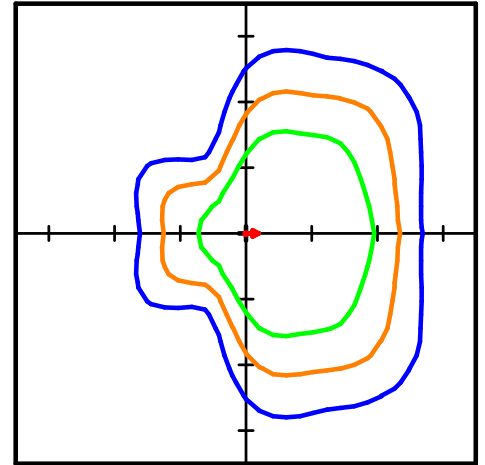
Horizontal Footcandles  
Scale: 1 inch = 20ft  
Luminaire Lumens = 40930  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 7.53 Fc

AL-270W-U-40-T3



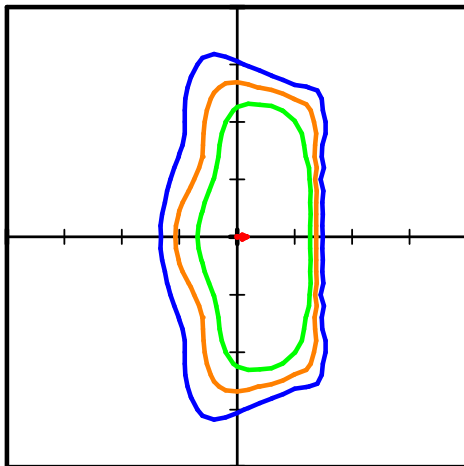
Horizontal Footcandles  
Scale: 1 inch = 30ft  
Luminaire Lumens = 40520  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 7.22 Fc

AL-270W-U-40-T4



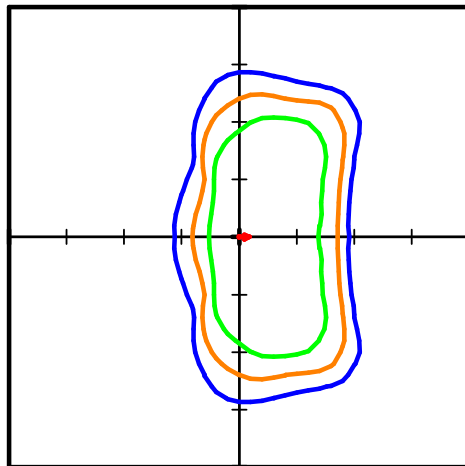
Horizontal Footcandles  
Scale: 1 inch = 30ft  
Luminaire Lumens = 38832  
Mounting Height = 30.00 Ft  
Maximum Calculated Value = 7.22 Fc

AL-375W-U-40-T2



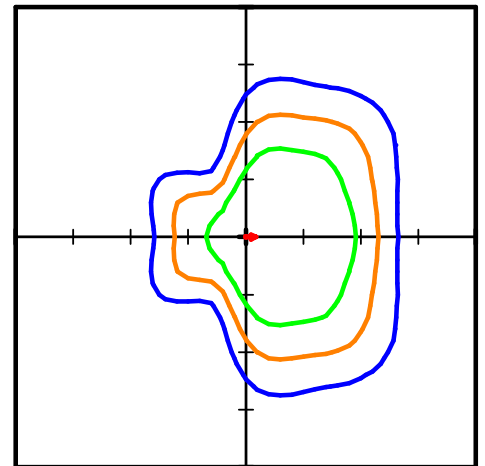
Horizontal Footcandles  
Scale: 1 inch = 40ft  
Luminaire Lumens = 52278  
Mounting Height = 35.00 Ft  
Maximum Calculated Value = 7.01 Fc

AL-375W-U-40-T3



Horizontal Footcandles  
Scale: 1 inch = 40ft  
Luminaire Lumens = 52158  
Mounting Height = 35.00 Ft  
Maximum Calculated Value = 7.18 Fc

AL-375W-U-40-T4



Horizontal Footcandles  
Scale: 1 inch = 40ft  
Luminaire Lumens = 50676  
Mounting Height = 35.00 Ft  
Maximum Calculated Value = 6.91 Fc