RDA LIGHTING

The AWL3-LED103 is a wall pack with an adjustable head that can be aimed straight down for dark sky requirements or aimed out to deliver the light where required.

Project	
Type	
Date	
Notes	

APPLICATIONS

Ideal for use on outdoor walls along perimeters of buildings, townhouses, condominiums, schools.

SPECIFICATIONS

Construction
Die cast aluminum housing with tamperproof stainless steel hardware. Clear tempered glass lens with a gasket. There are 6 conduit entries. The unit has a unique hinge assembly for easy installation and a leveling bubble on the back box for proper alignment.

LED configuration
The AWL3-LED103 has three LED Chips On Board (COBs) that deliver 12 147 lumens. The LEDs have a color temperature of 5000K as standard. 3000K and 4000K also available. The LEDs have a CRI of greater than 70 and an operating temperature range of -40°C to +40°C.

Adjustable head
The fixture can be aimed 0° - 90° delivering more lumens on the ground where needed.

Electrical
Total system wattage of the unit is 110W. The standard unit has a high efficiency driver that operates at 120 - 277V.
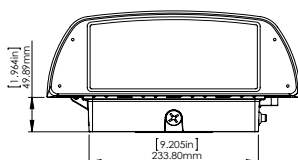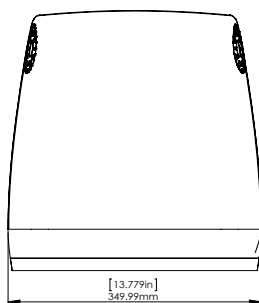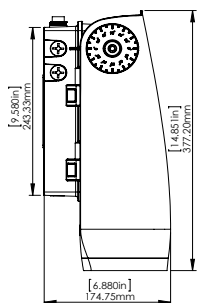
Finish
Standard finish is Bronze. Please consult factory for custom color.

Accessories
Visor, Polycarbonate Lens, Wire Guard, Photocontrol, On/Off Sensor and 0 – 10V Dimmable Smart Sensor.

Equivalent to	up to 400W MH
Input Watts	110W
Lumens	12 147 lumens
Efficiency	110 lumens per watt

Operating Temperature	-40°C to +40°C
Certification	cULus, DLC, IP65 meets LM79, LM80
Rated life	100,000 hours
Color Temperature	5000K (standard) 4000K, 3000K (option)
Warranty	5 Years
Total Harmonic Distortion	10%
Power Factor	0.9

DIMENSIONS

[9.580in] 243.33mm
[14.851in] 377.20mm
[6.880in] 174.75mm
[13.779in] 349.99mm
[1.964in] 49.89mm
[9.205in] 233.80mm

Shown with optional Motion Sensor

INSTALLATION INFORMATION

1. Open fixture, mount back box to junctiion box
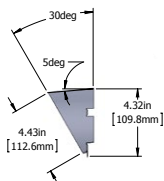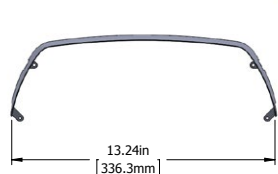
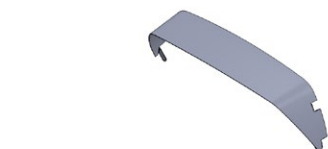2. Rest fixture onto hinges and connect wires
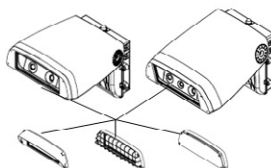
3. Reattach fixture to back box
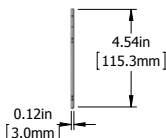
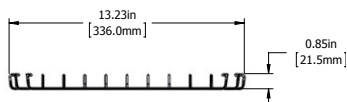4. Use set screw to adjust fixture to desired angle

ACCESSORIES
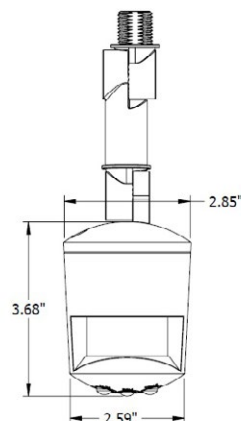
Visor (V), Wire Guard (WG), Polycarbonate lens (PCL)

MS180 DIM 0 - 10V Dimmable Smart Sensor (DMS), **MS180S** On/Off sensor (SMS)

13.24in [336.3mm]

30deg

5deg

4.43in [112.6mm]

4.32in [109.8mm]

Visor

2.85"

3.68"

2.59"

Dimmable Smart Sensor

The MS180DIM is a fully adjustable, dimmable smart sensor that allows you to provide reduced light levels as low as 10% when no motion is detected.

4.54in [115.3mm]

13.33in [338.6mm]

0.12in [3.0mm]

Polycarbonate Lens

2.85"

3.61"

2.59"
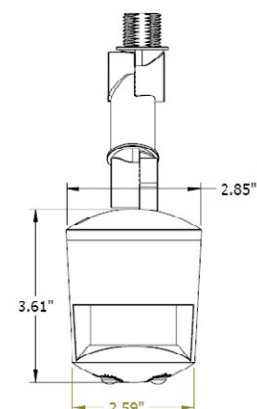
On/Off Sensor

The MS180S is a fully adjustable motion sensor that can be set for dusk to dawn operation or other custom applications.

13.23in [336.0mm]

0.85in [21.5mm]

4.53in [115.2mm]

Wire Guard

Contact us to learn more.

PHOTOMETRIC DATA

IESNA:LM-63-2002
[TEST]
[TESTLAB]
[TESTDATE] 2/26/2015
[ISSUEDATE] 2/26/2015

[LUMCAT] AWL3-LED103-B-5K-BRZ
[LUMINAIRE] AWL3 SERIES
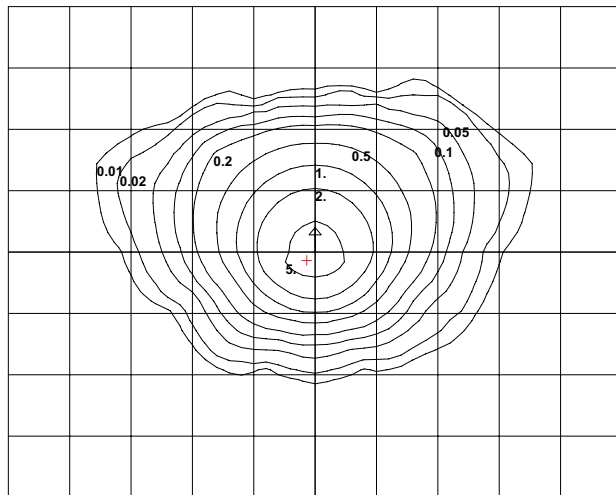
CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10815
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	100.56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5365.308
Maximum Candela Angle	225H 11V
Maximum Candela (<90 Degrees Vertical)	5365.308
Maximum Candela Angle (<90 Degrees Vertical)	225H 11V
Maximum Candela At 90 Degrees Vertical	3.476 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	94.344 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

POLAR GRAPH
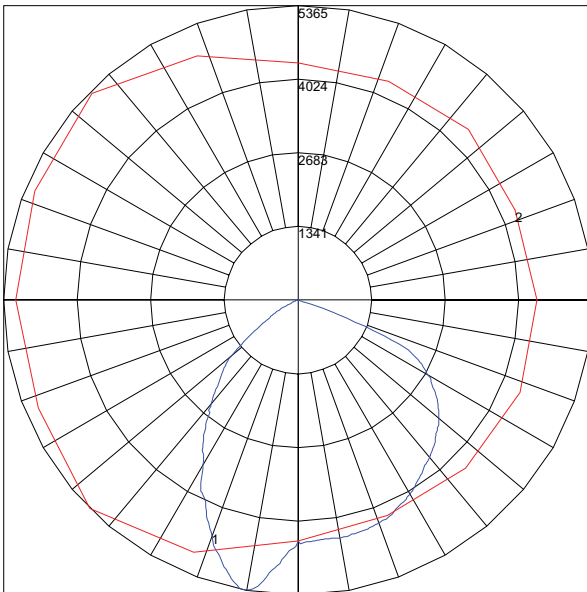
5365
4024
2683
1341

Maximum Candela = 5365.308   Located At Horizontal Angle = 225, Vertical Angle = 11
1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (11) (Through Max. Cd.)

Isoilluminance Diagram

0.01 0.02 0.2 0.5 0.1 0.05
1.
2.
5.

Mounting Height = 25 '. Each box is one mounting height.

Mounting Height	Multiplier
10	6.250
15	2.778
20	1.563
25	1.000
30	0.694
35	0.510
40	0.391
45	0.309
50	0.250

ORDERING GUIDE

AWL3	–	LED103	–		–		–		–	

VOLTAGE	COLOR TEMP	FINISH	OPTIONS
B - 120 - 277V*	5K - 5000K*	BRZ - BRONZE*	V - Visor
A - 120V	4K - 4000K	CC - CUSTOM	WG - Wire Guard
F - 277V	3K - 3000K	COLOR	PCL - Polycarbonate Lens
			DMS - Dimmable Sensor
			SMS - On/Off Sensor
			PCA - 120V Photocell**
			PCF - 277V Photocell**

* Standard configuration
** Chosen photocell option must be the same as voltage