

Schedule	Symbol	Label	Quantity	Manufacturer	Creating Number	Description	Lamp	Number Lamps	Wattage	Lumens Per Lamp	Light Loss Factor	Wattage
		G	16	Lithonia Lighting	1527LED-F3-40K-VF-MVOLT	WST LED, Performance package 3, 4000 K, LED visual comfort forward throw, MVOLT	14 WHITE LEDS WITH CLEAR PLASTIC OPTICS BELOW EACH	1	WST LED, F3-40K-VF-MV OLT ies	6609	0.95	50
		S	46	STERBERG LIGHTING	1527LED-6ARC45T3-FG	CAST ALUMINUM HOUSING, CLEAR "FLAT" GLASS ENCLOSURE		1	1527LED-6ARC45T3-FG IES	4139	0.95	96.4
		V1	24	VISIONAIRE LIGHTING, LLC	ARI-1-L-T4-8ALC-S-4K	ARIA 20"DIAM. x 28-1/4"L. X 7-1/4"H. LED LUMINAIRE		1	ARI-1-L-T4-42LCS-4KIES	4370	0.95	66
		V2	4	VISIONAIRE LIGHTING, LLC	ARI-1-L-T4-8ALC-S-4K	ARIA 20"DIAM. x 28-1/4"L. X 7-1/4"H. LED LUMINAIRE		1	ARI-1-L-T4-42LCS-4KIES	4370	0.95	136

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.0 fc	6.9 fc	0.0 fc	N/A	N/A

Luminaire Locations						
No.	Label	Location		Orientation	Tilt	
1	G	693.80	520.80	21.00	180.00	0.00
2	G	688.00	749.00	21.00	0.00	0.00
3	G	208.90	336.70	21.00	180.00	0.00
4	G	279.50	338.20	21.00	180.00	0.00
5	G	63.00	246.70	21.00	180.00	0.00
6	G	43.40	67.50	21.00	270.00	0.00
7	G	386.16	86.37	21.00	249.00	0.00
8	G	154.01	77.80	21.00	90.00	0.00
9	G	252.40	108.40	21.00	90.00	0.00
10	G	334.04	136.32	21.00	68.29	0.00
11	G	486.91	201.35	21.00	68.29	0.00
12	G	545.87	204.37	21.00	227.64	0.00
13	G	596.31	175.77	21.00	47.88	0.00
14	G	58.20	463.00	21.00	0.00	0.00
15	G	303.00	596.70	21.00	0.00	0.00
16	G	274.20	566.20	21.00	0.00	0.00
17	S	51.75	138.25	15.00	0.00	0.00
18	S	238.00	128.00	15.00	348.69	0.00
19	S	357.84	160.31	15.00	342.65	0.00
20	S	517.05	248.99	15.00	321.61	0.00
21	S	608.00	386.69	15.00	321.61	0.00
22	S	642.25	549.70	15.00	270.00	0.00
23	S	640.85	594.40	15.00	270.00	0.00
24	S	534.73	691.27	15.00	241.39	0.00
25	S	523.95	648.08	15.00	251.56	0.00
26	S	638.57	712.20	15.00	270.00	0.00
27	S	616.00	340.30	15.00	321.61	0.00
28	S	467.04	215.41	15.00	342.65	0.00
29	S	118.75	255.00	15.00	90.00	0.00
30	S	109.10	315.90	15.00	90.00	0.00
31	S	106.10	450.80	15.00	90.00	0.00
32	S	191.75	349.25	15.00	270.00	0.00
33	S	189.40	483.20	15.00	270.00	0.00
34	S	187.45	546.75	15.00	270.00	0.00
35	S	467.75	516.50	15.00	60.00	0.00
36	S	447.25	579.75	15.00	60.00	0.00
37	S	398.15	648.95	15.00	350.00	0.00
38	S	394.75	593.25	15.00	350.00	0.00
39	S	137.25	528.50	15.00	79.36	0.00
40	S	103.50	531.25	15.00	90.00	0.00
41	S	167.00	631.00	15.00	136.17	0.00
42	S	288.75	671.15	15.00	153.43	0.00
43	S	402.05	717.45	15.00	63.43	0.00
44	S	453.00	784.40	15.00	232.43	0.00
45	S	361.45	691.35	15.00	153.43	0.00
46	S	476.95	471.25	15.00	153.43	0.00
47	S	402.25	419.25	15.00	153.43	0.00
48	S	107.40	389.95	15.00	90.00	0.00
49	S	190.80	402.20	15.00	270.00	0.00
50	S	118.00	121.25	15.00	0.00	0.00
51	S	176.55	123.15	15.00	0.00	0.00
52	S	296.40	141.05	15.00	348.69	0.00
53	S	411.70	183.95	15.00	348.69	0.00
54	S	563.40	290.69	15.00	321.61	0.00
55	S	638.75	160.50	15.00	270.00	0.00
56	S	565.82	499.70	15.00	261.74	0.00
57	S	523.30	547.70	15.00	261.74	0.00
58	S	437.75	653.45	15.00	60.00	0.00
59	S	481.00	681.75	15.00	232.43	0.00
60	S	507.55	651.15	15.00	350.00	0.00
61	S	230.00	658.30	15.00	162.73	0.00
62	S	116.77	592.11	15.00	116.37	0.00
63	VI	621.25	514.25	25.00	270.00	0.00
64	VI	615.75	742.25	25.00	270.00	0.00
65	VI	340.00	244.53	25.00	339.83	0.00
66	VI	131.15	179.80	25.00	180.00	0.00
67	VI	36.40	179.10	25.00	180.00	0.00
68	VI	362.65	275.80	25.00	160.00	0.00
69	V2	172.75	204.50	25.00	359.57	0.00
70	V2	394.35	430.79	25.00	215.42	0.00
71	V2	236.01	121.10	25.00	350.61	0.00
72	V2	432.32	289.00	25.00	328.37	0.00
73	V0-1	431.80	280.17	25.00	228.37	0.00
74	V2-2	433.05	287.83	25.00	148.37	0.00
75	VI	169.75	268.00	25.00	180.00	0.00
76	VI	303.95	284.40	25.00	160.00	0.00
77	VI	392.05	238.30	25.00	160.00	0.00
78	VI	361.74	368.85	25.00	140.56	0.00
79	VI	495.74	186.97	25.00	133.99	0.00
80	VI	478.45	323.30	25.00	325.01	0.00
81	VI	551.15	389.79	25.00	215.42	0.00
82	VI	340.65	330.70	25.00	160.00	0.00
83	VI	502.80	456.20	25.00	136.04	0.00
84	VI	633.40	410.75	25.00	148.69	0.00
85	VI	397.90	364.65	25.00	148.69	0.00
86	VI	710.61	406.70	25.00	227.60	0.00
87	VI	686.11	145.11	25.00	215.06	0.00
88	VI	169.25	294.95	25.00	270.00	0.00
89	VI	564.05	576.00	25.00	90.00	0.00
90	VI	381.05	633.50	25.00	90.00	0.00
91	VI	666.25	792.75	25.00	180.00	0.00
92	VI	564.25	779.65	25.00	180.00	0.00

PIN: 12-02-32-100-002
OWNER: NATURAL GAS PIPELINE

WEST LINE OFF E 102 NW 1/4 SECTION 20-37-10

PIN: 12-02-32-200-031
OWNER: VILLAGE OF ROMEOVILLE

PIN: 12-02-32-200-032
OWNER: PLANNED HARVEST LLC

Plan View
Scale = 1" = 30'

DESIGNER: D. HIRSH
DATE: 5/03/2017
SCALE: Not to Scale
DRAWING NO.: Summary

LIGHTING & CONTROLS

KSA

VILLAGE PLACE APARTMENTS
ROMEOVILLE, IL



1527LED OMEGA SERIES

LED

EPA
.93 (ft²)
WEIGHT
38 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
5,240 to
16,300

LIFE SPAN
L70
MINIMUM
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ's

RATED
IP65

JOB NAME

FIXTURE TYPE

MEMO

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-1527LED-F-4ARC45T5-MDH03-SV1-HSHS/CA4/5214P5/UBKT**

Mounting Config.	Fixture	Shade Edge	LED	CCT	Type	Driver	Lens	Optional Control Receptacle	Optional Control	Option Fuse	Option Hang-straight	Option Term. Block	Option House Side Shield	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to link to mounting configuration specification page)

- IW • 2A90 • 4A • SH44¹
- 1A • 3A • 1AM • CH44¹
- 2A • 3A90 • 2AM • CAT

W = Wall Mount A = Arm Mount AM = Arm Mid-Mount
SH = Stem Hung CH = Chain Hung CAT = Catenary

¹Include stem/chain length in inches after designation (IE: CH44-36")

Fixture

- 1527LED • 1527LEDSM

Shade Edge

- R (Round Edge) • F (Flared Edge)

LED

- 10ARC • 8ARC • 6ARC • 4ARC

CCT - Color Temperature (K)

- 45(OO) • 35(OO) • 27(OO)

Type

- T2 • T3 • T3R • T4 • T5

Driver

- MDL03 (120v-277v, 350Ma)
- MDH03 (347v-480v, 350Ma)

Lens

- FG (Flat Glass)
- SG (Sag Glass)
- FSG (Frosted Sag Glass)
- SV1 (Flat Soft Vue Medium Acrylic Lens)
- SV2 (Flat Soft Vue Heavy Acrylic Lens)

Options (Click here to view accessories sheet)

- R² Pin control receptacle only
- R5² 5-Pin control receptacle only
- R7² 7-Pin control receptacle only
- PE³ Twist-Lock Photocontrol (120v-277v)
- PE3³ Twist-Lock Photocontrol (347v)
- PE4³ Twist-Lock Photocontrol (480v)
- SC³ Shorting Cap
- PEC Electronic Button Photocontrol (120v-277v)
- PEC4 Electronic Button Photocontrol (480v)
- FHD⁴ Double Fuse and Holder

- HSHS⁵ Standard Horizontal Hangstraight, Spike Finial
- HSHN⁵ Standard Horizontal Hangstraight, No Finial
- HSHB⁵ Standard Horizontal Hangstraight, Ball Finial
- HSCB⁵ Clamp Style Horizontal Hangstraight, Ball Finial
- HSCS⁵ Clamp Style Horizontal Hangstraight, Spike Finial
- HSCN⁵ Clamp Style Horizontal Hangstraight, No Finial

- EZ⁵ Vertical Hangstraight, Large, "EZ" Mount
- HSV⁵ Vertical Hangstraight, Standard
- TB Terminal Block
- HSS 120° House Side Shield

² Only available with HSH₋₋₋, HSC₋₋₋, & SM.

³ Requires control receptacle.

⁴ Ships loose for installation in base.

⁵ Not for use with 1531LEDSM.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- CA • CSA • FFA • CAS
- DAG • R2⁶ • R3⁶ • RA

⁶ Luminaires above grade height to be 2' higher than pole height, REQUIRES "EZ" hangstraight.

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish

Standard Urban Finishes (Click here to view paint finish sheet)

- UGMT Gun Metal Textured
- UGM Gun Metal Matte
- UBT Urban Bronze Textured
- UB Urban Bronze Matte
- ULBT Urban Light Bronze Textured
- ULB Urban Light Bronze Matte
- USLT Urban Silver Textured
- USL Urban Silver Matte
- UWHT Urban White Textured
- UWH Urban White Matte
- UCHS Urban Champagne Satin Smooth
- BKT Black Textured

Custom Urban Finishes⁷

- CM Custom Match

⁷ Smooth finishes are available upon request.

Specifications

Fixture

The 1527LED Omega series is medium scale, decorative downlight fixture with a spun aluminum bell styled dome. The dome is available with two types of shades: round edge (R) and flared edge (F) styles. The luminaire measures 27" outside diameter and 19" overall height. The luminaire has a hinged door for tool-less driver and LED access. The luminaire is U.L. listed in U.S. and Canada.

LEDs

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be roof mounted to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable, they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. They shall operate in a -40°C (-40°F) to +50°C (122°F) ambient air temperature range. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4500K (3500K or 2700K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Optics

The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 3R, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

See next page

Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be dimmable using a 0-10v signal.

For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection which reduces output to less than half rating if the case temperature reaches 85°C.

For sources under 50w: The driver shall have a minimum efficiency of 88%.

Photocontrols

Button Style: On a single assembly the photocontrol shall be mounted on the fixture and pre-wired to driver. On multiple head assembly's the photocontrol shall be mounted in the pole shaft on an access plate. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Twist-Lock Style: The photocontrol shall be mounted externally on the fixture and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

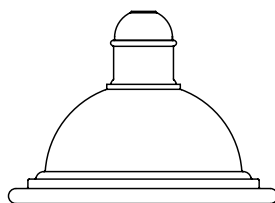
Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

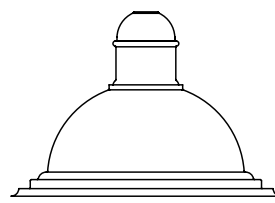
Finish

Refer to website for details.

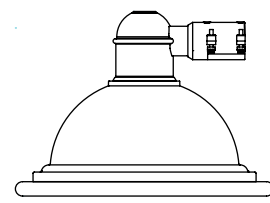
Fixtures



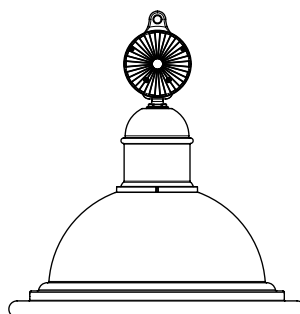
1527LED-R
27"W x 19-1/8"H



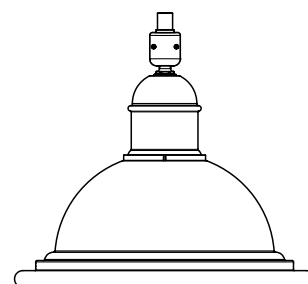
1527LED-F
27"W x 19"H



1527LED SM-R
27"W x 19"H



CAT-1527LED-R
27"W x 19-1/8"H



1527LED-EZ
27"W x 19-1/8"H

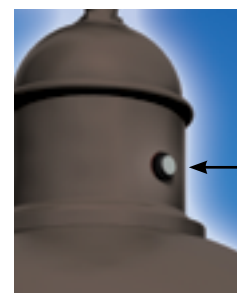
Options

R-PE



Twist-lock
receptacle
with photocell

PEC



Electronic
button
photocell

FHD

Fuse holder



SternbergLighting

ESTABLISHED 1923 / EMPLOYEE OWNED

800-621-3376
555 Lawrence Ave., Roselle, IL 60172
info@sternberglighting.com
www.sternberglighting.com

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1527LED OMEGA SERIES

LED

Performance (Based on FG Lens)

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTS
10ARC27-MD_03	12635	80.0	12495	79.1	12710	80.5	12670	80.2	12570	79.6	158
10ARC35-MD_03	14415	91.2	14255	90.2	14505	91.8	14455	91.5	14340	90.8	158
10ARC45-MD_03	16200	102.5	16020	101.4	16300	103.1	16245	102.8	16115	102.0	158
8ARC27-MD_03	10175	82.1	9935	80.1	10280	82.9	10050	81.1	10215	82.4	124
8ARC35-MD_03	11610	93.6	11335	91.4	11730	94.6	11470	92.5	11655	94.0	124
8ARC45-MD_03	13045	105.2	12735	102.7	13180	106.3	12885	103.9	13095	105.6	124
6ARC27-MD_03	7575	78.9	7465	77.7	7685	80.0	7650	79.7	7590	79.1	96
6ARC35-MD_03	8645	90.0	8515	88.7	8765	91.3	8730	90.9	8660	90.2	96
6ARC45-MD_03	9715	101.2	9570	99.7	9850	102.6	9810	102.2	9730	101.4	96
4ARC27-MD_03	5350	81.1	5240	79.4	5350	81.0	5280	80.0	5380	81.5	66
4ARC35-MD_03	6105	92.5	5980	90.6	6100	92.5	6025	91.3	6140	93.0	66
4ARC45-MD_03	6860	103.9	6715	101.8	6855	103.9	6765	102.5	6895	104.5	66

Aria Size1 LED

Project Name:

Catalog Number:

Type

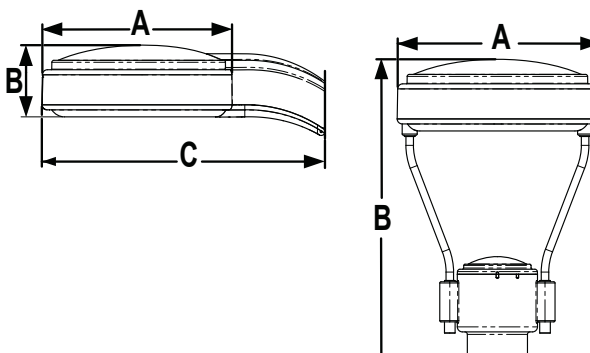
ARI-1-L (AM)



ARI-1-L (PT)



Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
ARI-1 (AM)	20"	7 1/4"	28 1/4"	84	41
ARI-1 (PT)	20"	29 3/4"	6"	84	41.5

More Products Available in the Aria Series



Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Options
ARI-1-L Low Profile	Type I (T1)	# of LEDs 42 (42LC)	350 (3)	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	Arm Mount (AM)	Bronze (BZ)	Photocell & Receptacle *Specify voltage (PCR120) (PCR208) (PCR240) (PCR277)
	Type II (T2)	84 (84LC)	530 (5)	5000K *Cool white (5K)	480 (5)	Post Top *Slips over 3"ØD tenon x 4" tall with special threaded mounting plate.	Black (BK)	Photo Receptacle (PER) *With shorting cap
	Type III (T3)				347 (8)	Requires special tenon adaptor if poles are not Visionaire Lighting poles. (PT)	White (WH)	Button Type Photocell *Specify voltage (PC120) (PC208) (PC240) (PC277)
	Type IV (T4)					Wall Mount (WM)	Forest Green (FG)	Painted Bars (PB) *For Post Top: Painted same color as housing. Bars come standard with chrome finish.
	Type V (T5)						Grey (GY)	Round Pole Plate Adaptor For 4"Ø Pole (RPP4) For 5"Ø Pole (RPP5)
	Type V-W (T5W)						Silver Metallic (SL)	Cutoff Louver System (CLS)
							Verdigris (VG)	Aria Wall Plate (AWP)
							Weathered Brown (WB)	Aria Conduit Box (ACB)
							Soft Gold (SG)	0-10 V Dimming Driver (DIM) *No controls
							Custom Color (CC)	

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

Housing

- Die cast aluminum fixture housing is 20" diameter with integral tool-less push latch sealing mechanism.

Door Frame and Lens

- Die cast aluminum door frame incorporates two one-piece silicone channel gaskets to seal the housing and arm completely. Opening the hinged door frame allows for direct access to the lamp and driver. The door frame includes an aircraft cable support to hold it securely while servicing the fixture.

Thermal Management

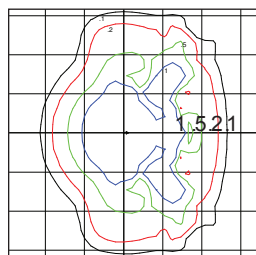
- The **Aria** provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture (see Interior View). This enables the **Aria** to withstand higher ambient temperatures and higher drive currents without degrading LED life.
- The L_{70} test determines the point in an LED's life when it reaches 70 percent of its initial output. **Aria** series LEDs have been determined to last a minimum of 100,000 hours in 40 °C environments when driven at 350 mA. See LED Data Chart below for actual test results.

Optical System

- The highest lumen output **Evo/C LEDr** are utilized in the **Aria** series. IES Types I, II, III, IV, V and V-W distributions are standard. The LED light assemblies are available in 42 or 84 LED configurations. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
- CRI values are 70 for 4000K and 75 for 5000K.

Quali-Guard® Finish

- A Quali-Guard® thermoset polyester powder coat painted finish is available in white and custom colors.



ARIA-1 ISOLUX CURVE
TYPE III OPTICS
84 LEDs @ 530 mA

Scale: 1 Square = 20 ft
Initial Light Loss Factor = 1.00
Total Lumens Per Luminaire = 0
Mounting Height = 16 ft
Arrangement: Single

Mounting

- Post Top Mount: The cast aluminum post top mount fitter houses the driver assembly. The contractor-friendly mounting hardware is concealed inside the post top fitter; which slips over a 3" O.D. x 4" tall tenon with a special threaded mounting plate, and is secured by a high-strength bolt.
- Arm Mount: The fixture mounts directly to the pole by means of three stainless steel mounting bolts attaching to an in-pole nut plate, to ensure level installation.
- A Round Pole Plate Adaptor (RPP-4/5) is required for mounting to 4" or 5" round poles.

Electrical Assembly

- The **Aria** is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120 V thru 277 V, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

- Photocell & receptacle
- Photo receptacle
- Button type photocell
- Aria** wall plate
- Acrylic or glass tear drop lens
- 0-10 V dimming driver
- Painted bars for post top mount
- Round pole plate adaptor
- Cutoff louver system
- Aria** conduit box

Please consult factory for custom options.

Listings

- Aria** is ETL listed, suitable for wet locations.
- LM79.
- LM80.
- RoHS compliant.
- Powder Coated Tough™



Heat Sink Detail



EPA Data

Fixture with Arm						
ARI-1-L (AM)	1.2	2.2	2.5	2.7	2.6	2.7
ARI-1-L (PT)	1.8	3.6	3.6	5.3	5.3	5.3

LED Data Chart for 5000K*

# Bars	# LEDs	Output mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5-W	System Watts	L70 Hours
1	42	350	3,840	3,941	3,754	3,811	3,988	4,140	46	150,000
		530	4,647	5,132	4,925	4,855	5,410	5,644	68	100,000
2	84	350	7,507	7,883	6,663	7,320	7,976	8,280	92	150,000
		530	9,155	10,265	9,988	9,710	10,820	11,288	136	100,000

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.95

Aria Size1 LED

Project Name:

Catalog Number:

Type

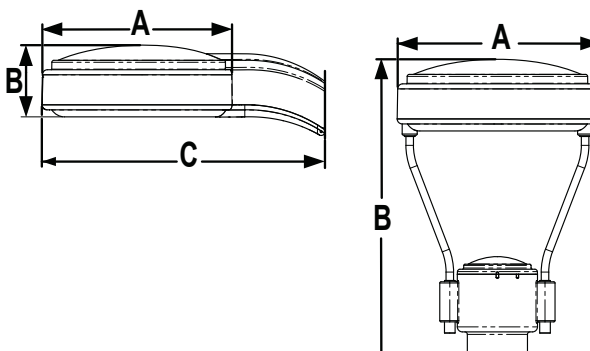
ARI-1-L (AM)



ARI-1-L (PT)



Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
ARI-1 (AM)	20"	7 1/4"	28 1/4"	84	41
ARI-1 (PT)	20"	29 3/4"	6"	84	41.5

More Products Available in the Aria Series



Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Options
ARI-1-L Low Profile	Type I (T1)	# of LEDs 42 (42LC)	350 (3)	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	Arm Mount (AM)	Bronze (BZ)	Photocell & Receptacle *Specify voltage (PCR120) (PCR208) (PCR240) (PCR277)
	Type II (T2)	84 (84LC)	530 (5)	5000K *Cool white (5K)	480 (5)	Post Top *Slips over 3"ØD tenon x 4" tall with special threaded mounting plate.	Black (BK)	Photo Receptacle (PER) *With shorting cap
	Type III (T3)				347 (8)	Requires special tenon adaptor if poles are not Visionaire Lighting poles. (PT)	White (WH)	Button Type Photocell *Specify voltage (PC120) (PC208) (PC240) (PC277)
	Type IV (T4)					Wall Mount (WM)	Forest Green (FG)	Painted Bars (PB) *For Post Top: Painted same color as housing. Bars come standard with chrome finish.
	Type V (T5)						Grey (GY)	Round Pole Plate Adaptor For 4"Ø Pole (RPP4) For 5"Ø Pole (RPP5)
	Type V-W (T5W)						Silver Metallic (SL)	Cutoff Louver System (CLS)
							Verdigris (VG)	Aria Wall Plate (AWP)
							Weathered Brown (WB)	Aria Conduit Box (ACB)
							Soft Gold (SG)	0-10 V Dimming Driver (DIM) *No controls
							Custom Color (CC)	

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

Housing

- Die cast aluminum fixture housing is 20" diameter with integral tool-less push latch sealing mechanism.

Door Frame and Lens

- Die cast aluminum door frame incorporates two one-piece silicone channel gaskets to seal the housing and arm completely. Opening the hinged door frame allows for direct access to the lamp and driver. The door frame includes an aircraft cable support to hold it securely while servicing the fixture.

Thermal Management

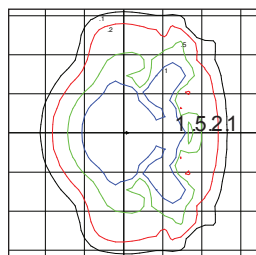
- The **Aria** provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture (see Interior View). This enables the **Aria** to withstand higher ambient temperatures and higher drive currents without degrading LED life.
- The L_{70} test determines the point in an LED's life when it reaches 70 percent of its initial output. **Aria** series LEDs have been determined to last a minimum of 100,000 hours in 40 °C environments when driven at 350 mA. See LED Data Chart below for actual test results.

Optical System

- The highest lumen output **Evo/C LEDr** are utilized in the **Aria** series. IES Types I, II, III, IV, V and V-W distributions are standard. The LED light assemblies are available in 42 or 84 LED configurations. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution.
- CRI values are 70 for 4000K and 75 for 5000K.

Quali-Guard® Finish

- A Quali-Guard® thermoset polyester powder coat painted finish is available in white and custom colors.



ARIA-1 ISOLUX CURVE
TYPE III OPTICS
84 LEDs @ 530 mA

Scale: 1 Square = 20 ft
Initial Light Loss Factor = 1.00
Total Lumens Per Luminaire = 0
Mounting Height = 16 ft
Arrangement: Single

Mounting

- Post Top Mount: The cast aluminum post top mount fitter houses the driver assembly. The contractor-friendly mounting hardware is concealed inside the post top fitter; which slips over a 3" O.D. x 4" tall tenon with a special threaded mounting plate, and is secured by a high-strength bolt.
- Arm Mount: The fixture mounts directly to the pole by means of three stainless steel mounting bolts attaching to an in-pole nut plate, to ensure level installation.
- A Round Pole Plate Adaptor (RPP-4/5) is required for mounting to 4" or 5" round poles.

Electrical Assembly

- The **Aria** is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120 V thru 277 V, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

- Photocell & receptacle
- Photo receptacle
- Button type photocell
- **Aria** wall plate
- Acrylic or glass tear drop lens
- 0-10 V dimming driver
- Painted bars for post top mount
- Round pole plate adaptor
- Cutoff louver system
- **Aria** conduit box

Please consult factory for custom options.

Listings

- **Aria** is ETL listed, suitable for wet locations.
- LM79.
- LM80.
- RoHS compliant.
- Powder Coated Tough™



Heat Sink Detail



EPA Data

Fixture with Arm						
ARI-1-L (AM)	1.2	2.2	2.5	2.7	2.6	2.7
ARI-1-L (PT)	1.8	3.6	3.6	5.3	5.3	5.3

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* For 4000K multiply values by 0.95



WST LED

Architectural Wall Sconce



Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

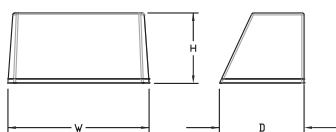
Luminaire

Height: 8-1/2"
(21.59 cm)

Width: 17"
(43.18 cm)

Depth: 10-3/16"
(25.9 cm)

Weight: 20 lbs
(9.1 kg)

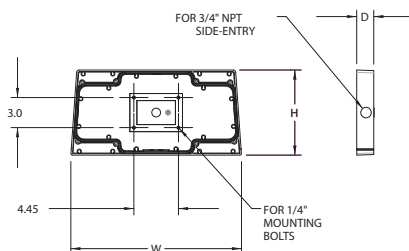


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Introduction

The WST LED is designed with the specifier in mind. The traditional, trapezoidal shape offers a soft, non-pixelated light source for end-user visual comfort. For emergency egress lighting, the WST LED offers six battery options, including remote. For additional code compliance and energy savings, there is also a Bi-level motion sensor option. With so many standard and optional features, three lumen packages, and high LPW, the WST LED is your "go to" luminaire for most any application.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED					
Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT ¹ 277 ¹ 120 ¹ 347 208 ¹ 480 240 ¹	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ² PBBW Premium surface-mounted back box ^{2,3}

Options	Finish (required)
PE Photoelectric cell, button type PER NEMA twist-lock receptacle only PER5 Five-wire receptacle only PER7 Seven-wire receptacle only DMG 0-10V dimming extend out back of housing for external control (no control) ⁴ PIR Motion/Ambient Light Sensor, 8-15' mounting height ⁵ PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ⁵ PIRH 180° motion/ambient light sensor, 15-30' mounting height ⁵ PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ⁵ SF Single fuse (120, 277, 347V) ⁶ DF Double fuse (208, 240, 480V) ⁶ DS Dual switching ⁷ E7WH Emergency battery backup (7W) ⁸	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSTBBW DDBTX U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only. when ordering with button type photocell (PE), fusing (SF, DF), or dual switching (DS).
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with E7WH, E7WC, E7WHR, E20WC, E20WH, or E23WHR. Not

- available with PER5 & PER7.
- Not available with PE, PER, PER5, PER7, VG or WG.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with E7WH, E7WC, E7WHR, E20WC, E20WH, or E23WHR. Used

- with inverter system. Not available with 347/480V. Not available with PE, PER, PER5 & PER7.
- Not available with 347/480V.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.



Emergency Battery Operation

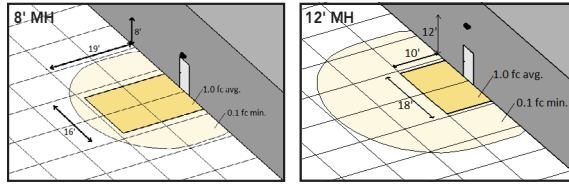
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of [NFPA 70/NEC 2008 - 700.16](#)

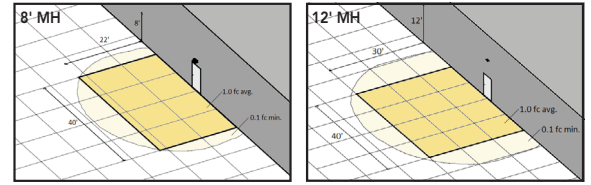
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance Package	System Watts (MVOLT ¹)	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,660	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,162	1	0	1	126	3,236	1	0	1	129	3,468	1	0	1	139	3,468	1	0	1	139
		VW	3,202	1	0	0	128	3,277	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,023	1	0	1	120	6,164	1	0	1	123	6,607	1	0	1	132	6,607	1	0	1	132
		VW	6,100	1	0	1	122	6,242	1	0	1	125	6,691	1	0	1	134	6,691	1	0	1	134

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

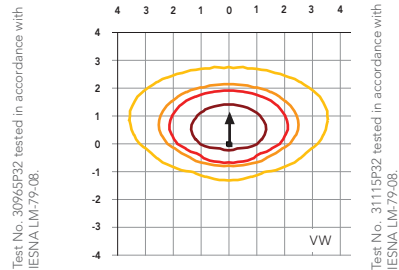
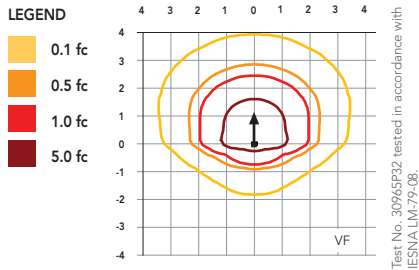
Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
P2	25	0.21	0.13	0.11	0.1	---	---
	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
P3	50	0.42	0.24	0.21	0.19	---	---
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

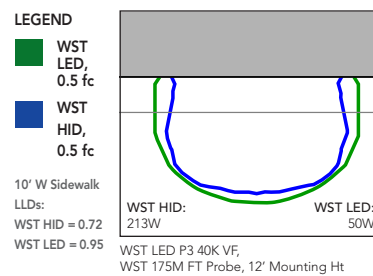
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [WST LED homepage](#).

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



WST LED

Architectural Wall Sconce



Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

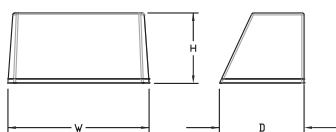
Luminaire

Height: 8-1/2"
(21.59 cm)

Width: 17"
(43.18 cm)

Depth: 10-3/16"
(25.9 cm)

Weight: 20 lbs
(9.1 kg)

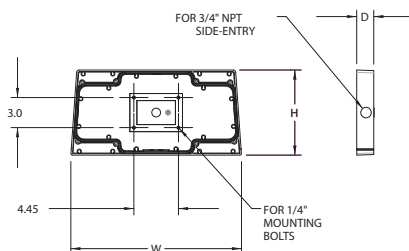


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Introduction

The WST LED is designed with the specifier in mind. The traditional, trapezoidal shape offers a soft, non-pixelated light source for end-user visual comfort. For emergency egress lighting, the WST LED offers six battery options, including remote. For additional code compliance and energy savings, there is also a Bi-level motion sensor option. With so many standard and optional features, three lumen packages, and high LPW, the WST LED is your "go to" luminaire for most any application.

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EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED					
Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT ¹ 277 ¹ 120 ¹ 347 208 ¹ 480 240 ¹	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ² PBBW Premium surface-mounted back box ^{2,3}

Options	Finish (required)
PE Photoelectric cell, button type PER NEMA twist-lock receptacle only PER5 Five-wire receptacle only PER7 Seven-wire receptacle only DMG 0-10V dimming extend out back of housing for external control (no control) ⁴ PIR Motion/Ambient Light Sensor, 8-15' mounting height ⁵ PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ⁵ PIRH 180° motion/ambient light sensor, 15-30' mounting height ⁵ PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ⁵ SF Single fuse (120, 277, 347V) ⁶ DF Double fuse (208, 240, 480V) ⁶ DS Dual switching ⁷ E7WH Emergency battery backup (7W) ⁸	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSTBBW DDBTX U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only. when ordering with button type photocell (PE), fusing (SF, DF), or dual switching (DS).
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with E7WH, E7WC, E7WHR, E20WC, E20WH, or E23WHR. Not

available with PER5 & PER7.

- Not available with PE, PER, PER5, PER7, VG or WG.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
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with inverter system. Not available with 347/480V. Not available with PE, PER, PER5 & PER7.

- Not available with 347/480V.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.



Emergency Battery Operation

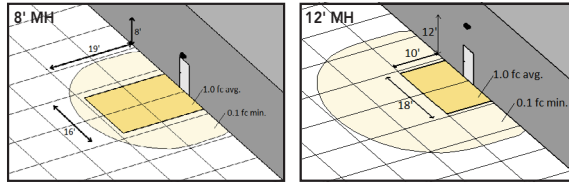
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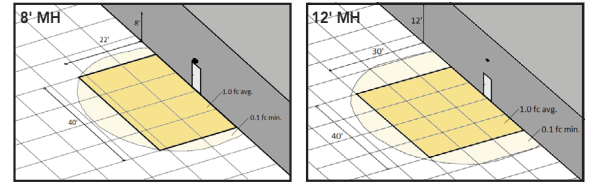
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The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH

Performance Data

Lumen Output

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P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,660	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,162	1	0	1	126	3,236	1	0	1	129	3,468	1	0	1	139	3,468	1	0	1	139
		VW	3,202	1	0	0	128	3,277	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,023	1	0	1	120	6,164	1	0	1	123	6,607	1	0	1	132	6,607	1	0	1	132
		VW	6,100	1	0	1	122	6,242	1	0	1	125	6,691	1	0	1	134	6,691	1	0	1	134

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Electrical Load

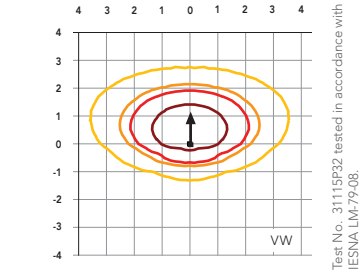
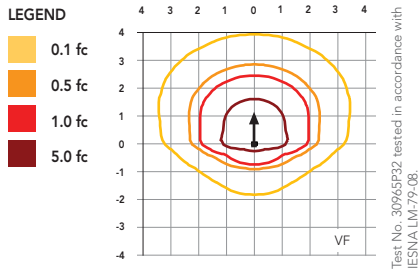
Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
P2	25	0.21	0.13	0.11	0.1	---	---
	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
P3	50	0.42	0.24	0.21	0.19	---	---
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Projected LED Lumen Maintenance

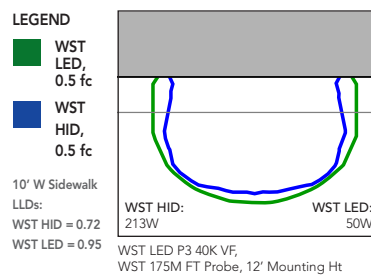
Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.