

EDISON ROAD



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MARICOPA RETAIL
EDISON RD & JOHN WAYNE PARKWAY
MARICOPA, ARIZONA
SITE PHOTOMETRIC PLAN

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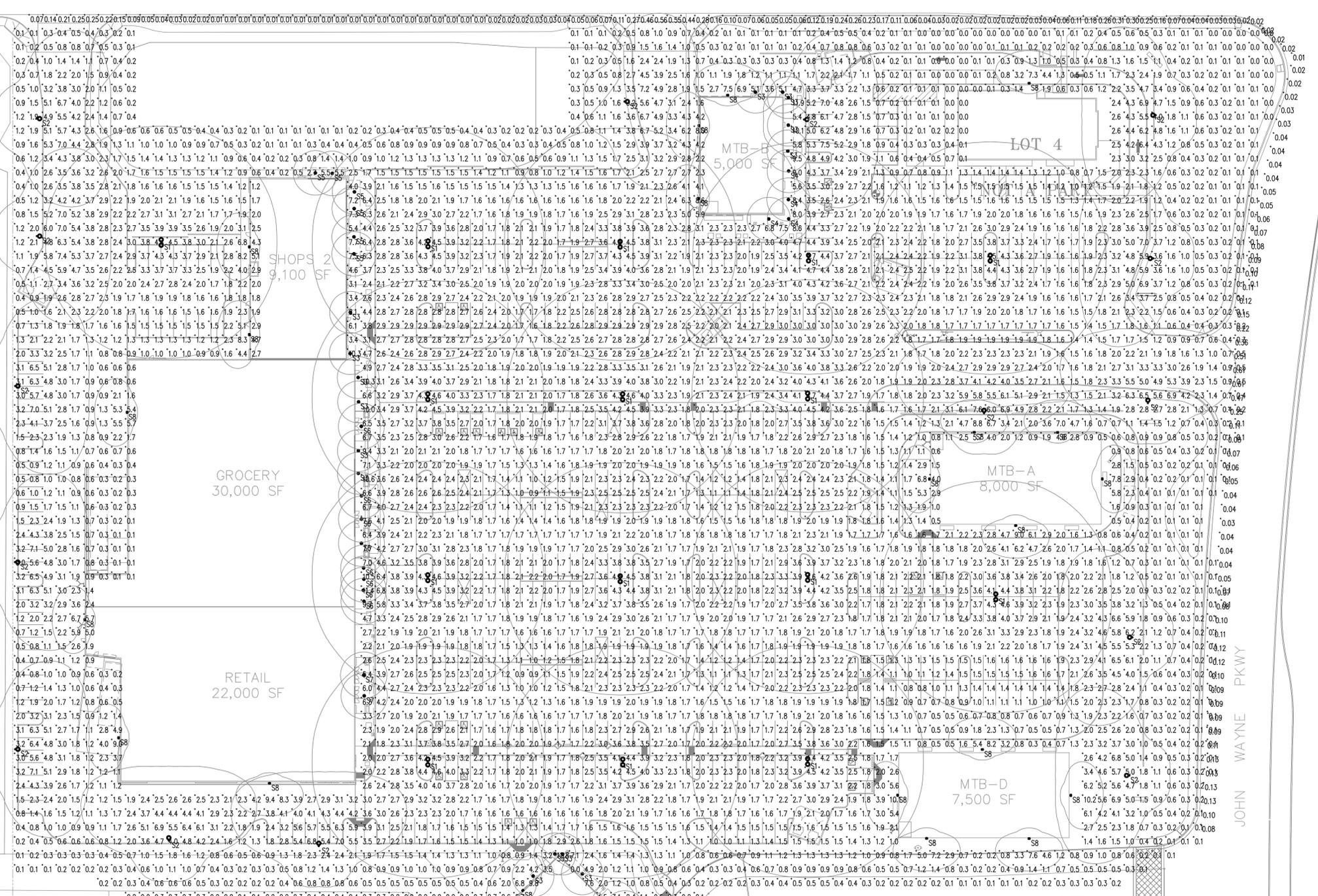
SHEET:

E1.0

SEQUENCE #:

20' 0' 40' 80' FT

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Symbol	Label	Qty	Catalog Number	Description	Lamp	Mount	File	Lumens	LLF	Watts
○	S1	15	ODN-3-L-T5WR-96LC-5-3K-	30 in D x 24 in H LED LUMINAIRE	LED	+25 FT AFG	ODN-3-L-T5WR_96LC_5_3K.IES	Absolute	0.95	320
○	S2	15	ODN-3-L-T3-96LC-5-3K-	30 in D x 24 in H LED LUMINAIRE	LED	+25 FT AFG	ODN-3-L-T3_96LC_5_3K.IES	Absolute	0.95	160
○	S3	15	W516 M016LD D W 30K RTC UNV E6 76	WALL MOUNTED BARN SHADE	LED	+9 FT AFG	W516M016LD_NW40K(1).IES	Absolute	0.95	17.45
○	S4	4	W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76	WALL MOUNTED BARN SHADE	LED	+10 FT AFG	W516M016LD_NW40K(1).IES	Absolute	0.95	17.45
□	S8	24	WST LED P2 30K VV MVOLT	WST LED, Performance package 2, 3000 K, visual comfort wide, MVOLT	LED	+14 FT AFG	WST_LED_P2_30K_VV_MVOLT.IES	Absolute	0.95	25
○	S5	9	W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76	WALL MOUNTED BARN SHADE	LED	+11 FT AFG	W516M016LD_NW40K(1).IES	Absolute	0.95	17.45
○	S6	8	W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76	WALL MOUNTED BARN SHADE	LED	+12.5 FT AFG	W516M016LD_NW40K(1).IES	Absolute	0.95	17.45
○	S7	2	W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76	WALL MOUNTED BARN SHADE	LED	+13 FT AFG	W516M016LD_NW40K(1).IES	Absolute	0.95	17.45

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Edge of Sidewalk Towards Street	+	0.10 fc	0.61 fc	0.01 fc	61:0.1	10:0.1
Overall Site	+	2.0 fc	12.8 fc	0.0 fc	N / A	N / A

1 SITE PHOTOMETRIC PLAN
SCALE: 1" = 40'-0"

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Temp	Multiplier	Lumen Output
0°C	1.0	100%
10°C	0.97	97%
20°C	0.94	94%
25°C	0.91	91%
30°C	0.87	87%
40°C	0.80	80%

Projected LED Lumen Maintenance

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

Motion Sensor Default Settings

Sensor	Enabled State	High Level (min. lux)	Photo eye	Range (ft)	Delay Time	Range (ft)
*PIR or PIR	3V (50% Output)	10V (100% Output)	Enabled at 5°C	3 sec	5 min	5 min
PIR/PIR or PIR/PIR	3V (50% Output)	10V (100% Output)	Enabled at 1°C	3 sec	5 min	5 min

*For use with site wide back to back control

PER Table

Control	PIR (1 wire)	PIR/PIR (2 wire)	PIR/PIR (2 wire)	PIR/PIR (2 wire)
Photocontrol Only (Day Off)	✓	✗	✗	✗
ROAM	✗	✓	✓	✓
ROAM with Motion	✗	✓	✓	✓
FatiguePac*	✗	✓	✓	✓
FatiguePac* with Motion	✗	✓	✓	✓

✓ Recommended
✗ Will not work
⚠ Alternate
*FatiguePac means: Ability to change controls in the future.

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	Series	Wattage (W)	Temp (°C)	1000K, 10:00		5000K, 10:00		5000K, 15:00	
				lm	lm/W	lm	lm/W	lm	lm/W
P1	12W	W	1.4	0	0	125	1,520	0	0
				1	1	1	1,520	0	0
P2	20W	W	1.4	0	0	125	1,520	0	0
				1	1	1	1,520	0	0
P3	50W	W	1.4	0	0	125	1,520	0	0
				1	1	1	1,520	0	0



WST LED Architectural Wall Sconce

Control Number	WST LED P2 30K VW MVOLT
Notes	
Type	SS

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL controls marked by a shaded background. DTL equipped luminaires meet the A+ specification for luminaire to photoreceptor interoperability
- This luminaire is part of an A+ Certified solution for ROAM or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background

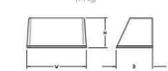
To learn more about A+, visit www.acuitybrands.com/aplus

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. [Link to ROAM](#) [Link to DTL DDL](#)

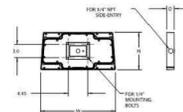
Specifications

Luminaire
Height: 8-1/2" (215.9 mm)
Width: 17" (431.8 mm)
Depth: 10-3/16" (267.9 mm)
Weight: 20 lbs (9.1 kg)



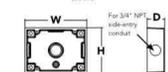
Optional Back Box (PBBW)

Height: 8-6/8" (215.9 mm)
Width: 17-1/2" (444.5 mm)
Depth: 1-7/8" (47.6 mm)



Optional Back Box (BBW)

Height: 4" (101.6 mm)
Width: 5-1/2" (140.0 mm)
Depth: 1-1/2" (38.1 mm)



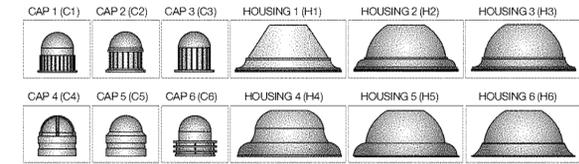
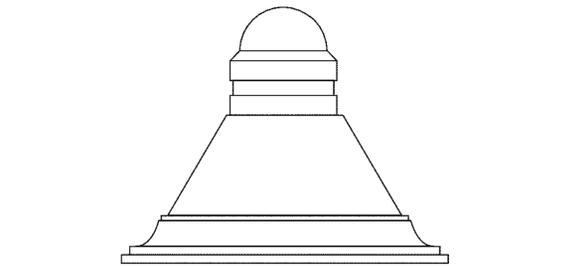
ODEN LED Specifications

Photometric Optical Summary

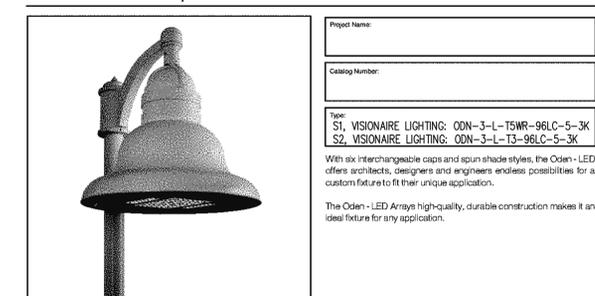
Type I (T1)	Type II (T2)	Type III (T3)	Type IV (T4)	Type V (T5)	Type VW (T6)
1.2	0.2	4.1	3.5	5.8	5.8
2.8	3.9	6.0	4.9	8.3	8.3
3.5	4.5	8.0	5.9	9.8	9.8

EPA Data

Dimensions	Size 1	Size 2	Size 3
Width:	ODN-1 20"	ODN-2 25"	ODN-3 30"
Height:	ODN-1 19.5"	ODN-2 22.5"	ODN-3 24"
Weight:	40 LBS	53 LBS	74 LBS



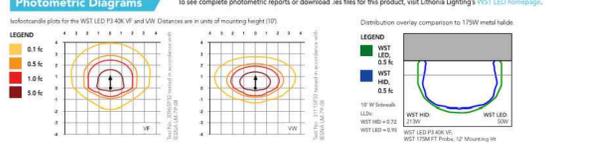
ODEN LED Specifications



Ordering Information

MODEL	OPTICS	LEDs	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	CAP/SHADE	OPTIONS
ODN-1-L	T1	16LC	3	3000K	UNV	YM	BZ	C1	PC-190
	T2	30LC	5	4000K	8	WB	C2	C2	PC-308
	T3	48LC	7	5000K	5	EM	C3	C3	PC-240
	T4	72LC	10	5000K	5	EM	C4	C4	PC-277
ODN-2-L	T5	48LC	7	5000K	5	AM	C5	C5	PC-277
	T6	96LC	14	5000K	5	AM	C6	C6	PC-277
ODN-3-L	T5	96LC	14	5000K	5	AM	C7	C7	PC-277
	T6	128LC	19	5000K	5	AM	C8	C8	PC-277

Photometric Diagrams



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 a low maintenance fixture.

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

FINISH
Luminaire parts are protected by a zinc-aluminum Super-Durable TPOC thermoplastic powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mil 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-matched 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 LEDP and Green Glare™ criteria for eliminating visual light.

ELECTRICAL
Light engine consists of 96 high-efficiency LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hours at 40°C LED). Class 2 electronics driver has a power factor >0.96, THD <20%. Early on/off for large 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 luminaire to be hung from a ceiling for easy access while making easy connection.

LISTINGS
CSA certified in U.S. and Canadian standards. Luminaire is PIR and PIR and back box options are listed for each location. Rated for 30°C to 40°C ambient.

DESIGNER'S CONSIDERATIONS
DLC Premium qualified product. Not all versions of this product meet the DLC Premium qualification. Please check the DLC Qualified Product List (www.dlc.com/qualified-product-list) to confirm which version are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.lithonia.com/warranty

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

Accessories

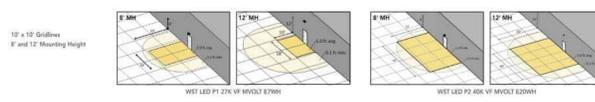
WST LED	P2	30K	VW
Performance Package	20W - 2000K	30W - 3000K	VW Visual comfort wide
Color Temperature	20W - 2000K	30W - 3000K	VW Visual comfort wide
Voltage	120V	208V	240V
Shipping included (Bulb)	None	None	None
Shipping included (Bracket)	None	None	None
Shipping included (Back Box)	None	None	None
Shipping included (Premium surface-mounted back box)	None	None	None

Series	Performance Package	Color Temperature	Voltage	Mounting
WST LED	P2 1,000 Lumen package	30K	120V	Shipped separately
WST LED	P2 1,000 Lumen package	30K	208V	Shipped separately
WST LED	P2 1,000 Lumen package	30K	240V	Shipped separately

Accessories	Notes
ODN-1-120V	1. MVOLT driver operates on any line voltage from 120-277V 50/60Hz.
ODN-1-208V	2. Single fuse (DF) requires 120V/277V or 347V Double fuse (DF).
ODN-1-240V	3. Requires 200V/240V or 480V.
ODN-1-240V	4. Also available as a separate accessory, see accessories information.
ODN-1-240V	5. Top conduit entry standard.
ODN-1-240V	6. Not available with 90 or 95. See PER Table.
ODN-1-240V	7. Reference Motion Sensor table.
ODN-1-240V	8. Need to specify 120, 208, 240 or 277 voltage.
ODN-1-240V	9. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shading Cap included.
ODN-1-240V	10. Not available with Emergency options, PE or PER options.
ODN-1-240V	11. Battery pack rated for -20° to 40°C.
ODN-1-240V	12. Comes with PBBW.
ODN-1-240V	13. Warranty period is 3 years.
ODN-1-240V	14. Not available with BBR.
ODN-1-240V	15. Must order with fixture, not an accessory.

Emergency Battery Operation

The emergency battery backup is integral to the luminaire — no external housing required! The 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 divert AC power line, meaning interoperation of IFC's 70:100:2000, 70:100:1000 and 70:100:1000 (See Safety Code Section 10) is provided. Luminaire is mounted at an appropriate height and illuminates an open space with no major obstructions. The examples below show illuminance of 1 ft average and 0.1 ft minimum of the P1 power package and V1 distribution pattern in emergency mode.



LED Specifications ODEN

Model	Temp (°C)	Wattage (W)																			
ODN-1-L	0	1.2	0	1.2	0	1.2	0	1.2	0	1.2	0	1.2	0	1.2	0	1.2	0	1.2	0	1.2	0
	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1	1.2	1
	2	1.2	2	1.2	2	1.2	2	1.2	2	1.2	2	1.2	2	1.2	2	1.2	2	1.2	2	1.2	2
	3	1.2	3	1.2	3	1.2	3	1.2	3	1.2	3	1.2	3	1.2	3	1.2	3	1.2	3	1.2	3
	4	1.2	4	1.2	4	1.2	4	1.2	4	1.2	4	1.2	4	1.2	4	1.2	4	1.2	4	1.2	4
	5	1.2	5	1.2	5	1.2	5	1.2	5	1.2	5	1.2	5	1.2	5	1.2	5	1.2	5	1.2	5
	6	1.2	6	1.2	6	1.2	6	1.2	6	1.2	6	1.2	6	1.2	6	1.2	6	1.2	6	1.2	6
	7	1.2	7	1.2	7	1.2	7	1.2	7	1.2	7	1.2	7	1.2	7	1.2	7	1.2	7	1.2	7
	8	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8
	9	1.2	9	1.2	9	1.2	9	1.2	9	1.2	9	1.2	9	1.2	9	1.2	9	1.2	9	1.2	9
	10	1.2	10	1.2	10	1.2	10	1.2	10	1.2	10	1.2	10	1.2	10	1.2	10	1.2	10	1.2	10
	11	1.2	11	1.2	11	1.2	11	1.2	11	1.2	11	1.2	11	1.2	11	1.2	11	1.2	11	1.2	11
12	1.2	12	1.2	12	1.2	12	1.2	12	1.2	12	1.2	12	1.2	12	1.2	12	1.2	12	1.2	12	

Features & Specifications

Housing
• High-quality, one-piece spun aluminum shade and durable cast aluminum top cap; available in three housing sizes.
• All external hardware is stainless steel.
• One-piece spun aluminum removable door assembly.

Thermal Management
• The Oden - LED provides excellent overall thermal management by maximizing the efficiency of the heat sink in the future. This enables the Oden - LED to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System
• The highest lumen output LEDs are utilized. Estimated life of the LEDs is 100,000+ hours. Available with 6IES distribution patterns. Available with up to 96 LED. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
• CRV values are 70

Qual-Guard® Finish
• Fixture components are chemically pretreated through a multi-stage washer and finished with an electrocoat-applied, thermoset polyester powder coat featuring a paint with a 3 to 5 mil thickness. Finish is oven-baked at 400 °F for maximum adherence and finish hardness.
• Available in standard and custom colors.

Warranty
• Five (5) Year Limited Warranty on entire system, including finish. For full warranty information, please visit www.visionairelighting.com.

Options
• Button type photocell
• Watt Stopper P5P-211
• 0-10V dimming driver
• Wireless Controls
• Illuminated Rings
• Cutoff cover system

Listsings
• Oden is cUL listed, suitable for wet locations.
• IP65 Rated
• DLC Listed
• ICA Certification
• LM79
• LM80
• Powder Coated TQTM

Mounting
• The Oden - LED mounts to a wide selection of decorative and custom Visionaire mounting arms. Visionaire decorative mounting arm required. See Visionaire Mounting Arms section of catalog.

Electrical Assembly
• The Oden - LED is supplied with a high-performance LED driver, located in its cap, that accepts 120 V to 277 V, and 480 V, 50 Hz to 60 Hz input. Power factor is 90%.
• Rated for 40-of operation.
• 10 W surge protector supplied as standard.



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MARICOPA, ARIZONA
FIXTURE CUTSHEETS

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ANPLighting Specifications W516

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

ARM MOUNTS | Dimensions are Projection x Height | CS included with all arms

E3 32" x 11.75"	E4 26" x 14"	E5 26" x 9.5"	E7 41.5" x 9.5"
E8 29.5" x 12.5"	E9 28" x 40.5"	E10 54" x 18"	E11 26.5" x 17.5"
E12 37.5" x 2"	E13 34" x 34.5"	E18 27.5" x 21.5"	E19 22.5" x 35.5"
E20 22" x 5.5"			

WALL MOUNTS | Dimensions are Projection x Height | **POST MOUNTS** | Dimensions are Projection x Height

WM40 13.75" x 14.5"	WM54 23.5" x 15"	PM10 14.5" x 20"	PM20 20.5" x 20"
WM74 27" x 26.5"	WM17 15" x 12.5"	PM30 21.5" x 28.75"	PM40 43.5" x 28.75"
WM84 26.5" x 57.5"		PM50 27" x 35"	PM19 16.5" x 27.5"

Driver Housing

RTC
 RTNC

GLASS & GUARDS UP TO 24W MAX

Glass Legend: CL = Clear PR = Prismatic
 Glass Only

GLCL
 GLFR
 GLPR

Glass with Cast Guard
 GLCLGUPC
 GLFRGUPC
 GLPRGUPC

Glass with Wire Guard
 GLCLGUP
 GLFRGUP
 GLPRGUP

Guards Only
 GLGUPC (Cast Guard)
 GLGUP (Wire Guard)

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ANPLighting Specifications W516

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

W516
 LED
 Dark Sky Friendly

Weight: 1.5 lbs
 BUG: 81-L0-G1

Catalog Number: **W516 M016LD D W 40K RTC UNV E6 100GLCL PC 41**

Specifications

Material: HLC lenses are constructed of heavy duty spun aluminum. Wall back plate and driver housing are cast aluminum. All hardware are stainless steel. Trade of finish is reflective white finish for all colors except galvanized steel finish. Screw hardware may not match paint.

Glass: Choice of clear, frosted or prismatic glass up to 24w Max.

Finish: Choice of clear, frosted or prismatic glass up to 24w Max.

Backcoat: D2M4 socket, 120V only. Unvented sockets 125-277 is standard. 0-10V, TRIAC and ELV dimming protocols are standard. (2W to TRIAC dimming only. 24w is 0-10v only).

See page 2 table for LED module and driver spec, voltage and dimming protocols.

Certifications: ETL Listed for dry locations. Arm mount, stem mount and wall mount are UL Listed for wet locations.

Finish: A polyester powder coat high quality finish is electrocoat applied and baked at 450° for exceptional durability and color retention. Products undergo an intensive five-step cleaning and preparation process for maximum paint adhesion.

Backcoat: Many grade finish provides superior salt, humidity and UV protection. This coating withstands up to 500 hours of continuous salt spray, comes with 5-year warranty and is available in either a frosted or glass finish.

Modifications: Consult factory for custom or modified designs.

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ANPLighting Specifications W516

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

All fabric Color Cords are three conductor, 1/4" diameter

Solid Fabric Colored Cords

BLSF Black	GYSF Gray	CHSF Chocolate Brown	WHSF White	CASF Cardinal
ORSF Orange	LGSF Lime Green	KGSF Kelly Green	CBSF Cobalt Blue	SBSF Sky Blue

Patterned Fabric Colored Cords

BWRPF Black/White Houndstoh	BRPF Houndstoh	GYCPF Gray/Citrus Yellow	MOSPF Magenta/Orange Stripe	NMTPF Navy Mini Tweed
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Glossy Fabric Colored Cords

GMGF Gun Metal	SSGF Sterling Silver	CPGF Copper Penny	BRGF Bronze	GGGF Gold
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ANPLighting Specifications W516

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

Project: _____
 Fixture Type: _____ Quantity: _____
 Customer: _____

10 FINISHES

Standard Marine Grade	Standard Marine Grade	Premium Marine Grade	Premium Marine Grade
40 NA Raw Unfinished	53 160 Copper Clay	81 128 Extreme Chrome	64 116 Candy Apple Red
41 181 Black	56 169 Silver	82 119 Butterscotch	65 122 Cobalt Blue
42 182 Forest Green	61 166 Black Vents	83 120 Desert Stone	66 123 Opalstone
43 184 Bright Red	70 118 Painted Chrome	84 121 Gunmetal Gray	67 124 Gunmetal Gray
44 187 White	71 165 Painted Copper	85 122 Black Silver	68 124 Oil Rubbed Bronze
45 112 Bright Blue	72 168 Textured Black	86 123 Architectural Bronze	
46 123 Sunny Yellow	73 125 Matte Black	87 124 Architectural Bronze	
47 124 Blue Green	74 127 Textured Bronze	88 125 Architectural Bronze	
48 NA Galvanized	77 127 Textured White	89 126 Architectural Bronze	
50 111 Navy	78 124 Textured Silver	90 127 Architectural Bronze	
51 183 Architectural Bronze	10 138 Aspen Silver	91 128 Architectural Bronze	
52 184 Palma Verde	11 131 Carbonize	92 129 Architectural Bronze	
12 123 Luster	13 132 Putty	93 130 Architectural Bronze	

Consult factory for additional paint charges and availability.

MODULE SPECIFICATION:

- Efficiency 65-125 lumens per watt
- Life: L70 50,000 hours
- Color temp: 2700K, 3000K, 3500K and 4000K
- CR: >90

MODULE DRIVER SPECIFICATION:

- Input Voltage: 120-277 Volts, 50/60Hz
- Dimmable down to 1%
- 0-10V, TRIAC and ELV dimming protocols are standard.
- Output Current: Constant Current, 440mA to 940mA (model dependent)
- Driver Efficiency > 80%, Power Factor > 0.9
- Integral Surge Protection in conformance to ANSI C82.41 Category A.

MODULE LISTINGS

- Fully compliant with the RoHS Directive
- Certifications: CE, UL

WARRANTY

See www.ANPlighting.com for complete fixture warranty.
 LED warranty information
 5 year limited warranty

*Limited Warranty: A typical year is defined as 4380 hours of operation.

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- S1, VISIONAIRE LIGHTING: ODN-3-L-15WR-96LC-5-3K
- S2, VISIONAIRE LIGHTING: ODN-3-L-13-96LC-5-3K
- S3, ANP LIGHTING: W516 M016LD D W 30K RTC UNV E6 76
- S4, ANP LIGHTING: W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76
- S5, ANP LIGHTING: W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76
- S6, ANP LIGHTING: W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76
- S7, ANP LIGHTING: W516 M016LD D W 30K RTC UNV 25T(LENGTH) 76
- S8, LITHONIA LIGHTING: WST LED P2 30K VV MVOLT

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