



WAREHOUSE SHADE
WILDLIFE FRIENDLY

PROJECT: _____
TYPE: _____



WS1611
MWI - Matte White
BL - Blue Streak



WS1611
MWI - Matte White
AY - Aero Yellow



WS1611
MWI - Matte White
BZ - Bronze



WS1611
MWI - Matte White
RD - Red Baron

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ³	ACCESSORIES	MOUNTING ⁵	INTERIOR ¹⁰	FINISH ¹⁰
WS1611	AMBER ONLY		DX 1%, 0-10V, 120V/277V DS2W1 ELV/MLV, 120V	ENCLOSURES		WALL MOUNT	
	TA5L 500 Lm Amber Only	AMB >560 NM		TF2 ⁴ 4" Frosted Dome TG2 4" Dome Wire Guard MF2 4" Frosted Mini MG2 4" Short Wire Guard FJ2 4" Frosted Tall FG2 4" Tall Wire Guard	CP106 Large Driver Canopy CP6/RMD Remote Mount Driver PA ⁶ Mounting Arm Style	MW1 ¹¹ Matte White CCI Custom Color FCI Fixture Color Interior	MB ¹¹ Matte Black PT ¹¹ Platinum Silver CC Custom Color
	DUAL CIRCUIT ²			CEILING MOUNT		See Page 5 for Full Range of Color Options (83-90085)	
	TD10L CIR 1 1000 Lm at 3000K CIR 2 500 Lm Amber Only	30K 3000K		CP13 Large Driver Canopy HM ^{7/8/9} Hang Straight PM ^{7/8} Rigid Pendant Mount	See Page 5 for Full Range of Color Options (83-90085)		
				FIXTURE WIRE GUARDS See 2 nd Page for Ordering Details			

EXAMPLE: WS1611TA5LAMBDX/TF2/CP13PM36/MWIPT

EXAMPLE: WS1611TD10L30KDX/TF2/CP13PM36/MWIPT

NOTES:

1 Nominal Source Lumens 2 TD/Dual Circuit Option Requires Dedicated on Site Controls by Others. Controls by Others Are Not to Allow Both Circuits to be Energized Simultaneously. Consult Factory for More Information 3 Contact Factory for Additional Options 4 Standard Enclosure 5 See Mounting Page for Details on Components and Finishes 6 See Mounting Page for Available Arm Options 7 Specify Length in Inches; See Mounting Page for Available Lengths 8 Intended for Outdoor Covered Ceiling Applications Only 9 Not for Use in Locations with Wind Exposure 10 See Color Page for More Options/Consult Factory for Special Finishes 11 Standard Finishes



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



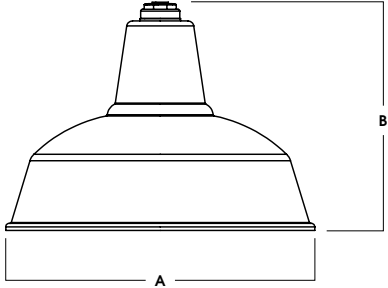


WAREHOUSE SHADE WILDLIFE FRIENDLY

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
WS1611TA5L	500	521	15	34
WS1611TD10L	1000	1003	16	63

¹ Nominal Source Lumens ² Nominal Delivered Lumens

HOUSING DIMENSIONS



A	B
16.50	12.18
419.1 mm	309.372 mm

APPLICATION

The Warehouse Shade is one of our most popular RLM styles. Meets Florida Fish and Wildlife Conservation Commission's Certified Wildlife Lighting. International Dark-Sky Association approved fixture.

FEATURES

Full shielding and option for Static Amber 560 NM or Dual Circuit 3000K 560 NM. Vintage lighting fixtures redesigned with a variety of options. LED module and driver are serviceable for future replacement.

FINISH

Durable powder-coat paint over aluminum fixture to resist corrosion. Matte White interior standard. Custom Color interior finishes available.

ELECTRONICS

Single circuit, amber only option is available. Amber LEDs are monochromatic, narrow spectral bandwidth that only emit long wavelengths >560 nm and <625 nm. Proprietary 2-circuit led system: Circuit 1 is 3000K at 1000 lumens, Circuit 2 is Amber only at 500 lumens. 3000K white light is 3-step MacAdam Ellipse binning, with 80+ CRI.

CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe and may be field cut.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for wet locations. Manufactured and tested to UL standards No. 1598/8750.

WALL MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & DIMENSIONS.)

PA

MOUNTING ARM STYLE



WS1611 SHOWN WITH CP106PA23

CEILING MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & CANOPY DIMENSIONS.)

HM / PM

HANG STRAIGHT / PENDANT



WS1611 SHOWN WITH CP13PM

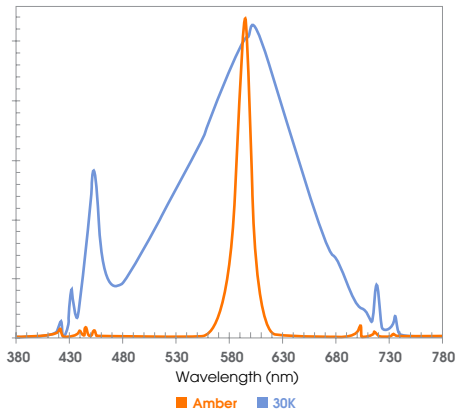
FIXTURE WIRE GUARD

WG16- 16" Ø



WS1611 SHOWN WITH WG16

SPECTRAL POWER DISTRIBUTION COMPARISON



MOUNTING & ACCESSORIES

ENCLOSURES

<p>TF2 4" FROSTED DOME</p>	<p>MF2 4" FROSTED MINI</p>	<p>FJ2 4" FROSTED TALL</p>
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ENCLOSURE WIRE GUARDS

<p>TG2 4" FROSTED DOME WIRE GUARD - FITS TF2</p>	<p>MG2 4" FROSTED MINI WIRE GUARD - FITS MF2</p>	<p>FG2* 4" FROSTED TALL WIRE GUARD - FITS FJ2</p>
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FIXTURE WIRE GUARDS

<p>WG16* 1.6" Ø WIRE GUARD</p>

*FG2 & WG16 CANNOT BE ORDERED TOGETHER

DRIVERS

CP106 - LARGE DRIVER CANOPY
MAY BE USED AS SPLICE BOX FOR DIRECT FEED

Ø 7.5
5.0

CP6/RMD - REMOTE MOUNT DRIVER**
MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX

Ø 4.7
1.8

**UNAVAILABLE WITH PA16 OR PA16F

WALL MOUNTING

CUSTOM AND OTHER WALL ARMS AVAILABLE - CONTACT FACTORY. ARMS MAY BE FIELD CUT ON WALL SIDE - FIXTURE SIDE THREADED 3/4" NPT REQUIRES SEALANT FOR WET LOCATION.

PA15 15.0, 9.8, 8.3
PA17 17.0, 7.0
PA22 22.0, 7.5, 5.0, 12.5
PA23 23.0, 7.0
PA24 15.0, 18.0, 9.5, 24.0
PA26 28.5, 12.7
PA32 32.6, 19.5, 10.5, 32.2, 30.0
PA36 36.0, 7.0
PA48 48.0, 7.0
PA16 - Front Wall Mount 15.0, 25.0, 13.0
PA16F - Back Wall Mount 20.0, 25.0, 13.0
PA901212 12.0, 12.0

SP90(xx)
Designed for Straight Arm Mounting
SPECIFY LENGTH
EXAMPLE: SP9024 - STRAIGHT PIPE 24" LONG

PA23(xx)
SPECIFY LENGTH
EXAMPLE: PA2330 - 30" PA23

PA90 (Wxx)(Dxx)
SPECIFY LENGTH (Wxx)
SPECIFY DROP (Dxx) (6.5 Minimum)
EXAMPLE: PA90W20D07 - 90° PIPE 20" LONG 7" DEEP THREADED AT FIXTURE END

DRIVERS

CP13 - LARGE DRIVER CANOPY

Ø 7.0
2.6

CEILING MOUNTING

<p>HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP</p> <p>ORDER: HM (Length) SPECIFY LENGTH: HM3 - 3" HM24 - 24" HM6 - 6" HM36 - 36" HM12 - 12" HM48 - 48" HM18 - 18" HM72 - 72" HMLC(XX) Custom Length (Specify in Inches)</p>	<p>PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP</p> <p>ORDER: PM (Length) SPECIFY LENGTH: PM3 - 3" PM24 - 24" PM6 - 6" PM36 - 36" PM12 - 12" PM48 - 48" PM18 - 18" PM72 - 72" PMLC(XX) Custom Length (Specify in Inches)</p>
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*MAXIMUM ONE PIECE STEM LENGTH IS 72".
LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.



WAREHOUSE SHADE WILDLIFE FRIENDLY

PHOTOMETRIC DATA

WS1611-TA05L-AMB-EX-TF2-MWI

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT												
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4								
	0.00°																		
	0.00°	163	0° - 10°	16	3%	5.5'	5 fc	22.4'	1 fc	9'	6'	11	0.36	5	0.23	Delivered Illuminance Rating: (DIR)		31 FC per W/Sq. Ft.	24 FC per W/Sq. Ft.
	5.00°	161	0° - 20°	60	12%	6.5'	4 fc	26.5'	0 fc	12'	8'	7	0.24	6	0.24	Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 * Average Footcandles at 2.5' Above Floor			
	10.00°	160	0° - 30°	130	25%	7.5'	3 fc	30.6'	0 fc	16'	12'	3	0.08	3	0.12				
	15.00°	157	0° - 40°	218	42%	8.5'	2 fc	34.6'	0 fc										
	20.00°	154	0° - 60°	417	80%	10.0'	2 fc	40.8'	0 fc										
	30.00°	144	0° - 80°	515	99%	12.0'	1 fc	48.9'	0 fc										
	40.00°	133	0° - 90°	521	100%	14.0'	1 fc	57.1'	0 fc										
	50.00°	121	Total	521	100%	16.0'	1 fc	65.2'	0 fc										
	60.00°	100																	
	70.00°	36																	
	80.00°	8																	
	90.00°	1																	

Delivered Lumens: 521
Luminaire Watts: 15.3
LER: 34.05

CP at 0deg (Nadir): 163
CRI: N/A

Beam Angle: 129.06
Spacing Ratio: 1.32

Lumen Multiplier: N/A
CCT Multiplier: N/A

WS1611-TD10L-30K-EX-TF2-MWI

CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT												
			Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4								
	0.00°																		
	0.00°	327	0° - 10°	31	3%	5.5'	11 fc	22.2'	1 fc	9'	6'	22	0.38	11	0.24	Delivered Illuminance Rating: (DIR)		57 FC per W/Sq. Ft.	44 FC per W/Sq. Ft.
	5.00°	326	0° - 20°	121	12%	6.5'	8 fc	26.2'	1 fc	12'	8'	15	0.25	11	0.25	Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 * Average Footcandles at 2.5' Above Floor			
	10.00°	322	0° - 30°	259	26%	7.5'	6 fc	30.3'	1 fc	16'	12'	5	0.09	6	0.13				
	15.00°	317	0° - 40°	432	43%	8.5'	5 fc	34.3'	0 fc										
	20.00°	309	0° - 60°	814	81%	10.0'	3 fc	40.4'	0 fc										
	30.00°	289	0° - 80°	997	99%	12.0'	2 fc	48.4'	0 fc										
	40.00°	265	0° - 90°	1,003	100%	14.0'	2 fc	56.5'	0 fc										
	50.00°	230	Total	1,003	100%	16.0'	1 fc	64.6'	0 fc										
	60.00°	191																	
	70.00°	74																	
	80.00°	13																	
	90.00°	1																	

Delivered Lumens: 1,003
Luminaire Watts: 15.9
LER: 63.08

CP at 0deg (Nadir): 327
CRI: 80

Beam Angle: 126.58
Spacing Ratio: 1.31

Lumen Multiplier: only 10L available
CCT Multiplier: only 30K available



COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

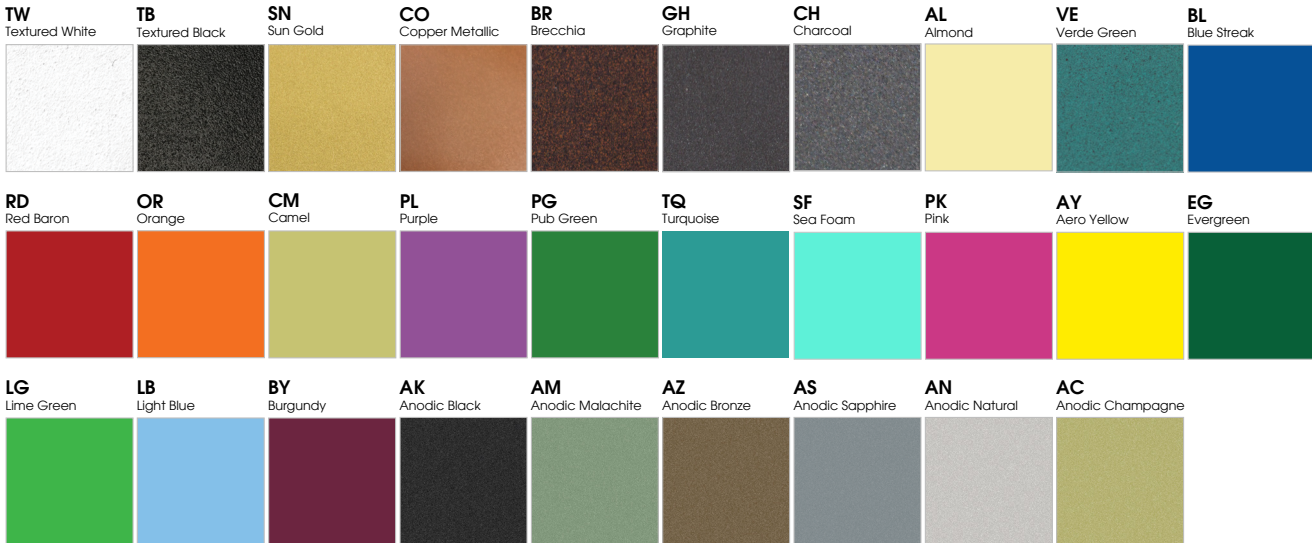
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES



TIER 2 - TYPICAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color

