

Project:	
Type:	
Catalog #:	

The Willow Series Vaporproof fixtures with a choice of mounting configurations are designed to replace HID lighting systems up to 175w MH or HPS. This vapor resistant fixture can withstand extreme physical and environmental abuse and is ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 14 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING: Heavy Duty Die Cast Aluminum Housing with Integral Heat Sinking, 3/4" NPS Threaded Mounts.

LISTING AND RATINGS: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment

FINISH: Smooth Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS: Flat Clear Tempered Glass Lens

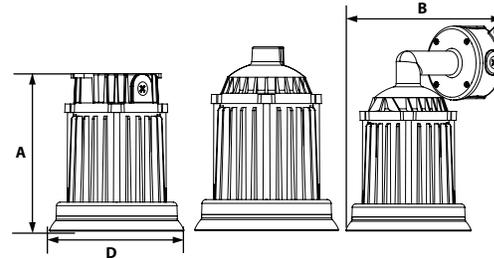
MOUNTING OPTIONS: Pendant Mount or Surface Mount on Wall or Ceiling

LED: Aluminum Boards

WATTAGE: Array: 22w, System: 27w (175w HID Equivalent)

DRIVER: Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

WARRANTY: 5-Year Warranty for -40°C to +50°C Environment. See Page 2 for Projected Lumen Maintenance Table.



DIMENSIONS

Diameter (D)	7 1/4" (184mm)
Height (A)	WSV1: 9 1/4" (235mm) WSV2: 8 1/2" (216mm) WSV3: 12" (305mm)
Depth (B)	8 5/8" (225mm)

CERTIFICATION AND LISTINGS



Model	Optics	Wattage	Driver	CCT	Color	Options
WIL1 =Box Mount Vaporproof WIL2 =Pendant Mount Vaporproof WIL3 =Wall Mount Vaporproof	F=Type V	23=23w	LV=120-277V	4K =4000K 5K =5000K	P =Platinum C =Custom (Consult Factory)	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only)

ACCESSORIES AND REPLACEMENT PARTS



*Shown Mounted

ACCESSORIES (Order Separately, Field Installed)

VS30AP Angled Aluminum Shade, Platinum Powdercoat Finish. 8 $\frac{3}{4}$ " H by 11 $\frac{3}{4}$ " Dia.

VS30SP Straight Aluminum Shade, Platinum Powdercoat Finish. 5 $\frac{1}{2}$ " H by 16" Dia. Not for use with VW53.

VWGS Wire Guard for Straight Shade, Stainless Steel

VWGA Wire Guard for Angled Shade, Stainless Steel

CPRB Reducer Bushing, $\frac{3}{4}$ " to $\frac{1}{2}$ ", use with Swivel Mount

CPRB1 Die Cast Round Electrical Box with Five (5) $\frac{1}{2}$ " Coin Plugs

CPRC1 Backplate, $\frac{1}{2}$ " Coin Plugs

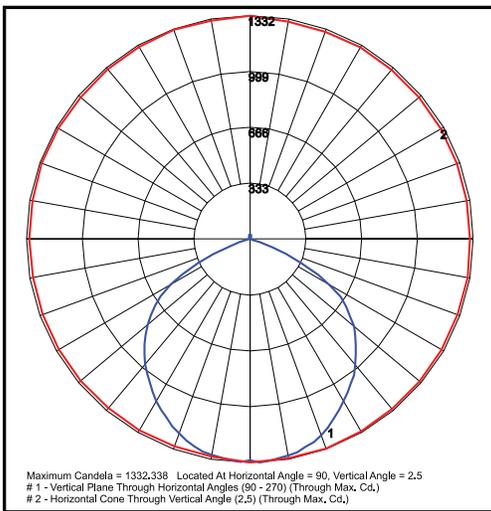
CPRB3 Die Cast Round Electrical Box with Five (5) $\frac{3}{4}$ " Coin Plugs

MOUNTING ACCESSORIES (Order Separately, Field Installed)

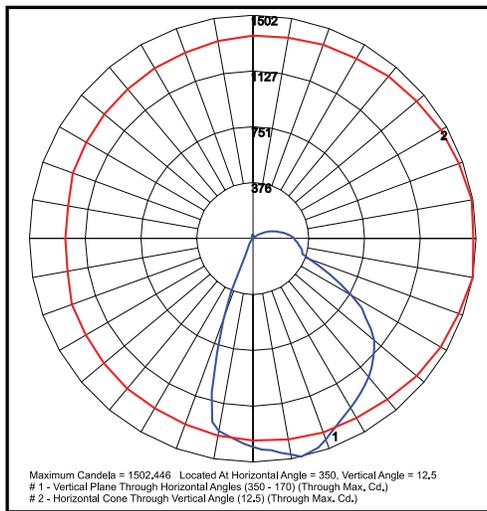
CPSPR Swivel Pendant Mount - Round, for Angled or Straight Ceilings, Fits $\frac{3}{4}$ " Conduit, Includes Reducer Bushing (to $\frac{1}{2}$ ") & Set Screw, Powdercoat Finish

CPSPS Swivel Pendant Mount - Square, or Angled or Straight Ceilings, Fits $\frac{3}{4}$ " Conduit, Includes Reducer Bushing (to $\frac{1}{2}$ ") & Set Screw, Powdercoat Finish

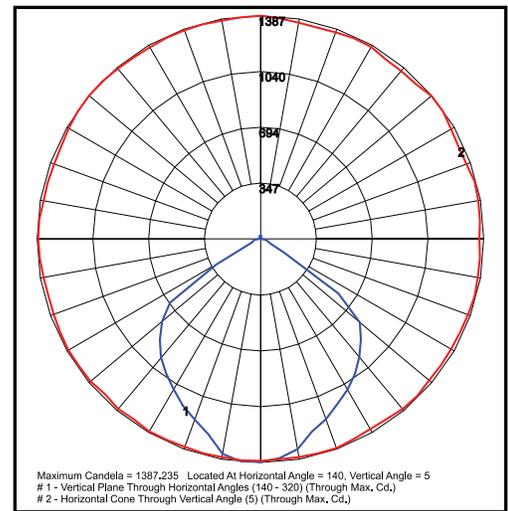
PHOTOMETRIC DATA



Type V



Type V Angled Shade



Type V Straight Shade

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80CRI					4000 CCT 80CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
23w	116	27	(No Shade) Type V	3,385	125	2	2	0	3,097	115	1	2	0
23w	116	27	(Angled Shade) Type V	2,741	102	1	3	2	2,508	93	1	3	1
23w	116	27	(Straight Shade) Type V	3,031	112	2	2	1	2,774	103	1	2	1

PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70 at 25°C
L70 Lumen Maintenance at 25°C / 77°F	27	1.00	0.96	0.92	0.84	187,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70 at 50°C
L70 Lumen Maintenance at 50°C / 122°F	27	1.00	0.93	0.86	0.72	107,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80 at 40°C
L80 Lumen Maintenance at 40°C / 104°F	27	1.00	0.94	0.88	0.76	82,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.