



VAPOR PROOF

L70
 25°C 187,000 Hours



The Pemco LEDicating 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 & 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

EasyLED:

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.

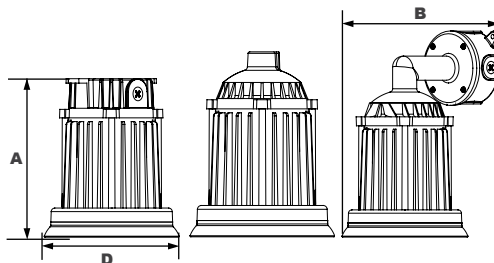
Warranty:

5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Dimensions

Diameter (D)	7 1/4" (184mm)
Height (A)	VP53Q 9 1/4" (235mm) VB53Q 8 1/2" (216mm) VW53Q 12" (305mm)
Depth (B)	8 1/4" (225mm)



DesignLights Consortium™
 Qualified Luminaires:
 V[B,W]53QF1X23U4K[P;C][SF;DF]
 V[B,W]53QF1X23U5K[P;C][SF;DF]





VAPOR PROOF

Order Information Example:

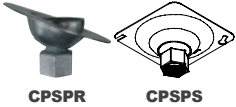
VP53QF1X23U5KPSF

Model	Optics	Wattage	Driver	CCT	Color	Options
VB53Q =LEDicated Box Mount Vaporproof VP53Q =LEDicated Pendant Mount Vaporproof VW53Q =LEDicated Wall Mount Vaporproof	F =Type V	1X23 =23w	U =120-277V	4K =4000K 5K =5000K	P =Platinum C =Custom (Consult Factory)	SF =Single Fuse* DF =Double Fuse* *120-277V Only

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

CPSPR	Swivel Pendant Mount - Round, for Angled or Straight Ceilings, Fits 3/4" Conduit, Includes Reducer Bushing (to 1/2") & Set Screw, Powdercoat Finish
CPSPS	Swivel Pendant Mount - Square, or Angled or Straight Ceilings, Fits 3/4" Conduit; Includes Reducer Bushing (to 1/2") & Set Screw, Powdercoat Finish



Accessories (Order Separately, Field Installed)

VS30AP	Angled Aluminum Shade, Platinum Powdercoat Finish. 8 1/4" H by 11 1/4" Dia.
VS30SP	Straight Aluminum Shade, Platinum Powdercoat Finish. 5 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, 3/4" to 1/2", use with Swivel Mount
CPRB1	Die Cast Round Electrical Box with Five (5) 1/2" Coin Plugs
CPRC1	Backplate, 1/2" Coin Plugs
CPRB3	Die Cast Round Electrical Box with Five (5) 3/4" Coin Plugs

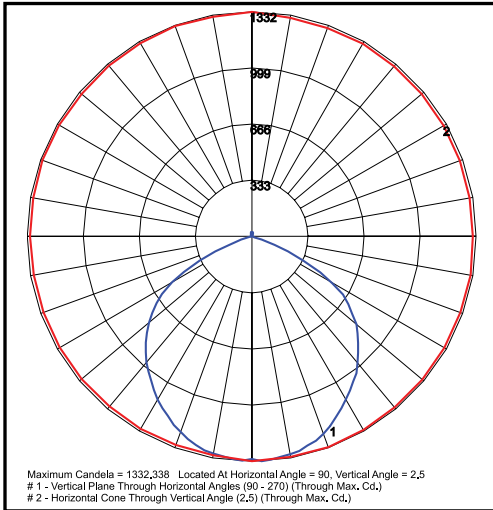


*Shown Mounted

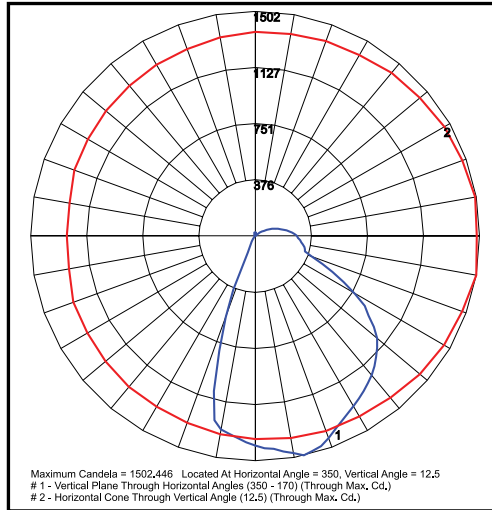


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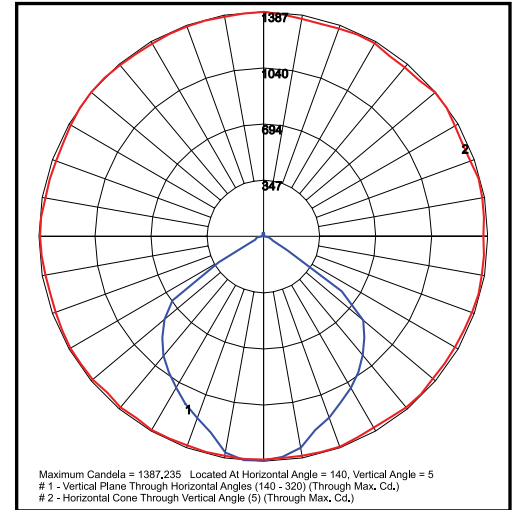
Photometric Data



VP53QF1X23U5K
Type V



VP53QF1X23U5K
Type V Angled Shade



VP53QF1X23U5K
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
EasyLED 23w	116	27	(No Shade) Type V	3,385	125	2	2	0	3,097	115	1	2	0
EasyLED 23w	116	27	(Angled Shade) Type V	2,741	102	1	3	2	2,508	93	1	3	1
EasyLED 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	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	27	1.00	0.96	0.92	0.84	187,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.86	0.72	107,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.88	0.76	82,000

NOTES:

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