

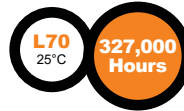
WM21Q DuraLED Nautilus LED Post Top



Project Name:	Project Information	Fixture Type:
Complete Catalog #:		Date:
Comments:		

The DuraGuard WM21Q Nautilus Architectural Decorative Post Top is available in Type I, II, III, IV or V distributions designed to replace HID lighting systems up to 400w MH or HPS. The fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 12 to 30 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:



HOUSING:

Die Cast Aluminum Housing, Integral Heat Sinking, Photocell Adaptable.

LISTING & RATINGS:

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

FINISH:

Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Array Lens with Integral Optics or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens. Gasketed to Seal LED Array.

MOUNTING:

Post Top Accommodates "P3" 2 1/4" O.D. x 3" Tenon, Wall Mount Includes Cast Aluminum Arm (Wall Attachment Hardware NOT Included, Must be Selected and Provided By Contractor), and Pendant Mount Includes 15" Swivel Stem for Mounting on Flat or Sloped Ceilings.

DURALED LED:

Aluminum Boards

WATTAGE:

37w Array: 37w, System: 41w; (70-150w HID Equivalent)
65w Array: 65.3w, System: 72w; (150-250w HID Equivalent)
100w Array: 100w, System: 111w; (150-250w HID Equivalent)
140w Array: 139.9w, System: 156w; (250-400w HID Equivalent)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

CONTROLS:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

WARRANTY:

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

See Page 4 for Projected Lumen Maintenance Table.

**WM21Q
DuraLED Nautilus
Round Post Top**



**Shown with
LumaLens Option**



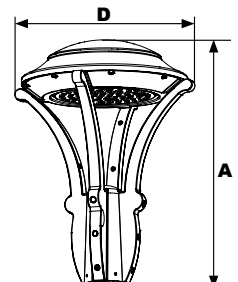
**WMWS21Q
EasyLED Nautilus
Wall Mount**



**WMP21Q
EasyLED Nautilus
Pendant Mount**

Dimensions

Diameter (D) | 21" (534mm)
Height (A) | 27 3/4" (705mm)



Specifications subject to change without notice.

WM21Q DuraLED Nautilus LED Post Top



Complete Units Ordering Information
 Example: **WM21QC1X100U4KCBR7**

WM21Q DuraLED Nautilus LED Post Top

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
	A =Type I B =Type II C =Type III D =Type IV F =Type V	1X37 =37w 1X65 =65w 1X100 =100w 1X140 =140w	U =120-277V H =347-480V	3K =3000K* 4K =4000K 5K =5000K *37 and 65w Only		B =Black C =Custom (Consult Factory)	
WM21Q =DuraLED Nautilus Post Top WMWS21Q =DuraLED Wall Mount Nautilus WMP21Q =DuraLED Pendant Mount Nautilus			C =Clear UV-Stabilized Polycarbonate Array Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens*				

*Type V Models Only

- P2AB**=PSRTN Tenon Adaptor, Black
- P2AC**=PSRTN Tenon Adaptor, Custom Color (Consult Factory)
- SF**=Single Fuse*
- DF**=Double Fuse*
- SP**=Surge Protection
- R3**=3-Pin Twist Lock Photocell Receptacle
- R5**=5-Pin Twist Lock Photocell Receptacle
- R7**=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle
- S3**=Microwave Sensor with Dimming for Mounting Heights of 8' to 26'*
- BU**=Battery Backup, 90 Minutes (Up to 65w Max)*
- BUC**=Cold Start Battery Backup, -20°C, 90 Minutes (Up to 65w Max)*

*120-277V Models Only.

ACCESSORIES & REPLACEMENT PARTS:

Mounting Accessories (Order Separately, Field Installed)	
PSRTN*	Retrofit Tenon Adaptor, Die Cast with Powdercoat Finish, Hardware Included. Converts a 2 3/4" x 4" Pole Tenon to a 2 1/4" x 3" Tenon.
*Specify Color: B=Black, C=Custom (Consult Factory)	



PSRTN

Accessories (Order Separately, Field Installed)	
P18131	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
P18132	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
P18140	110-120VAC Instant Twist Lock Photocell
P18152	277VAC Time Delay Twist Lock Photocell
P18156	120-277VAC Universal Twist Lock Photocell
P18157	480VAC Time Delay Twist Lock Photocell. For 480V use only.
P17122	Remote Programming Tool for P17121



P18131



P18132



P18140



P18152



P18156
P18157



P17122

Replacement Parts (Order Separately, Field Installed)	
AF30PCLL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
PK3415	Pendant Mount Kit Includes Top & Bottom Cover, Brackets, 3/4" Dia X 15" L. Downrod, and Hardware. Powdercoat Finish
P17121	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 26'. 120-277VAC, 50/60Hz
For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.	



AF30PCLL



PK3415



P17121

EPA (EFFECTIVE PROJECTED AREA)

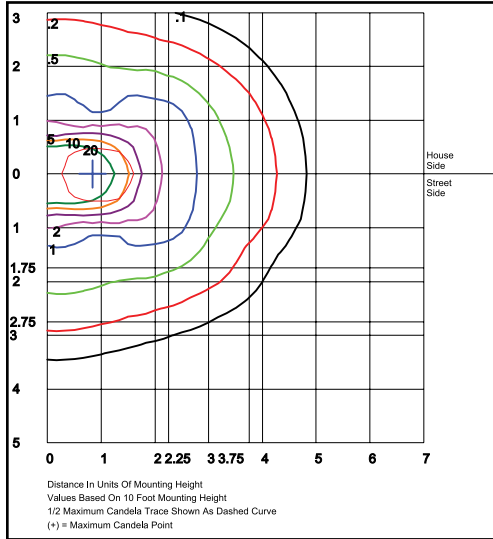
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	1.40	29 Lbs

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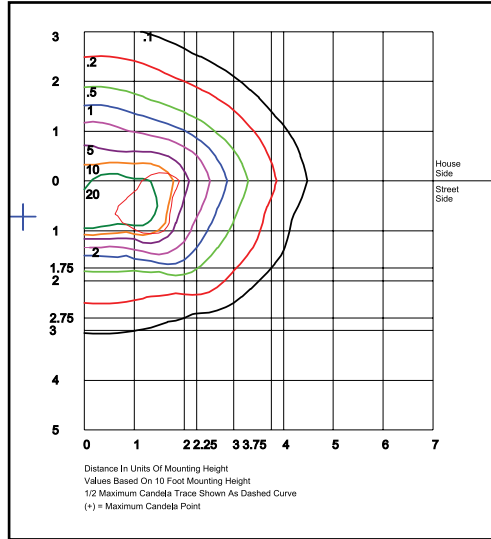


PHOTOMETRIC DATA



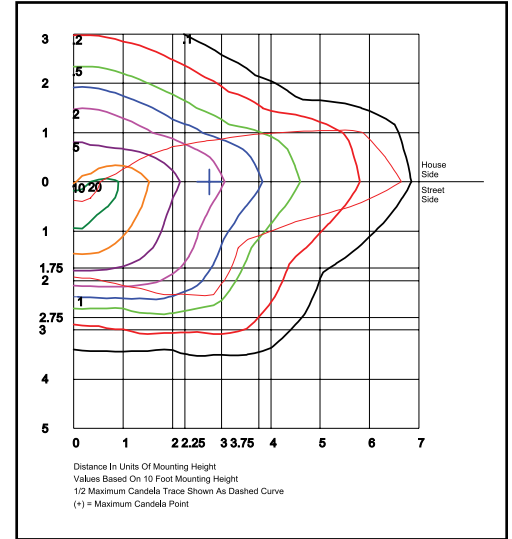
WM21QA1X1405K
Type I

Grid in MH
MH=10 Feet



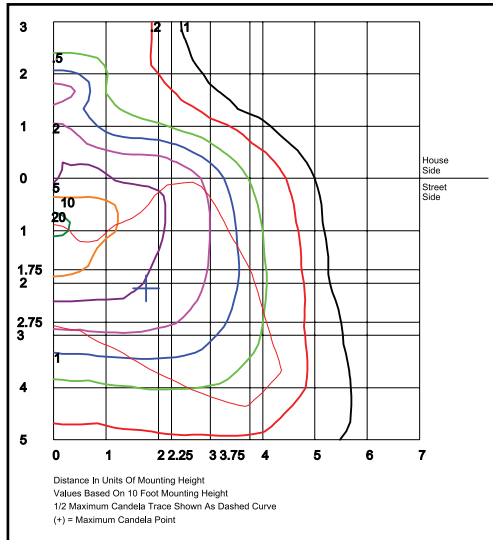
WM21QB1X1405K
Type II

Grid in MH
MH=10 Feet



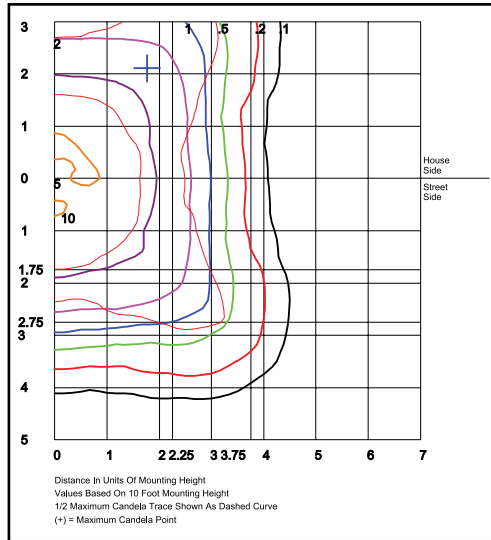
WM21QC1X1405K
Type III

Grid in MH
MH=10 Feet



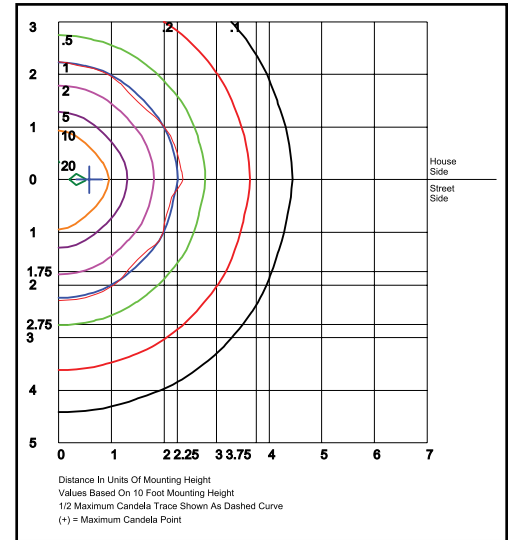
WM21QD1X1405K
Type IV

Grid in MH
MH=10 Feet



WM21QF1X1405K
Type V

Grid in MH
MH=10 Feet



WM21QF1X1405KL
Type V-LumaLens

Grid in MH
MH=10 Feet

WM21Q DuraLED Nautilus LED Post Top

**PHOTOMETRIC PERFORMANCE**

		Wattage (Catalog Logic)	37W (1X37)	65W (1X65)	100W (1X100)	140W (1X140)
		Input Watts	42.2	74.1	114	159.6
Optic	CCT	Delivered Lumens				
WM21Q A=Type I	3000K	3,422	6,013	-	-	-
	4000K	3,534	6,207	9,549	13,369	-
	5000K	3,671	6,449	9,922	13,890	-
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	-
WM21Q B=Type II	3000K	3,728	6,549	-	-	-
	4000K	3,849	6,761	10,401	14,562	-
	5000K	3,999	7,024	10,807	15,129	-
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G3	-
WM21Q C=Type III	3000K	3,873	6,804	-	-	-
	4000K	3,999	7,024	10,806	15,128	-
	5000K	4,154	7,298	11,227	15,718	-
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	-
WM21Q D=Type IV	3000K	3,986	7,004	-	-	-
	4000K	4,116	7,230	11,123	15,572	-
	5000K	4,276	7,512	11,556	16,178	-
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	-
WM21Q F=Type V	3000K	4,045	7,106	-	-	-
	4000K	4,176	7,336	11,285	15,799	-
	5000K	4,338	7,621	11,725	16,415	-
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	-
WM21Q F=Type V with LumaLens	3000K	2,604	4,575	-	-	-
	4000K	2,689	4,723	7,266	10,173	-
	5000K	2,793	4,907	7,550	10,569	-
	BUG Rating	B1-U3-G1	B2-U3-G2	B2-U3-G3	B3-U3-G3	-

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 LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 156w	1.00	0.98	0.95	0.91	327,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.94	0.89	0.78	134,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.86	141,000

NOTES:

1. 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.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.