

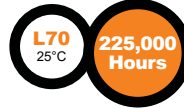
HR20Q Amber DuraLED Portsmouth LED Post Top Lantern



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

The DuraGuard Amber Portsmouth LED Post Top Lantern Historic Series are available in Type V distributions designed for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. The fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 10 to 20 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 Engine.

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:

39w Array: 39w, System: 43w

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 3 for Projected Lumen Maintenance Table.



**LumaLens
All Wattages, T5
Only**



**Open Frame
Full Cutoff, 39w**



**Wall Mount,
HRWS20Q**



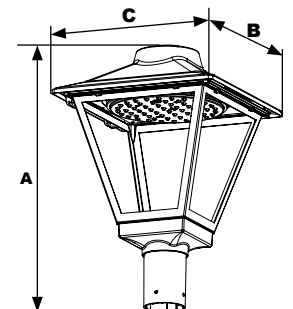
**Pendant Mount,
HRP20Q**

DuraLED TECHNOLOGY



Dimensions

Height (A)	24 3/4" (628mm)
Length (B)	16 1/2" (415mm)
Width (C)	16 1/2" (415mm)



Specifications subject to change without notice.

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DuraLED Amber Series

Complete Units Ordering Information
Example: **HR20QF1X39UAMOBSP**

HR20Q Amber DuraLED Portsmouth LED Post Top Lantern

Model	Optics	Wattages	Driver	CCT	Lens	Color	Options
	B =Type II C =Type III D =Type IV F =Type V	1X39 =39w	U =120-277V H =347-480V	AM =Amber		B =Black C =Custom (Consult Factory)	O =Open Frame Full Cutoff Optics L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens

HR20Q=DuraLED Amber Portsmouth Post Top
HRWS20Q=DuraLED Amber Wall Mount Portsmouth
HRP20Q=DuraLED Amber Pendant Mount Portsmouth (15" Pendant)

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 1/2" x 4" Pole Tenon to a 2 1/2" 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



Optional Twist Lock Photocell mounts to top of housing.



Replacement Parts (Order Separately, Field Installed)	
HR20PCLL	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.	



HR20PCLL



PK3415



P17121

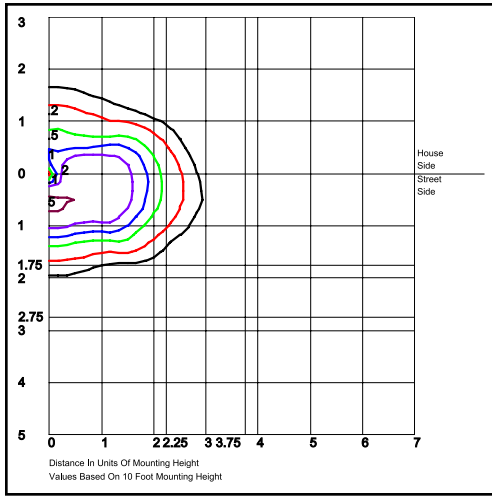
EPA (EFFECTIVE PROJECTED AREA)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 Open Frame	1.2	28 Lbs
 LumaLens	1.6	28 Lbs

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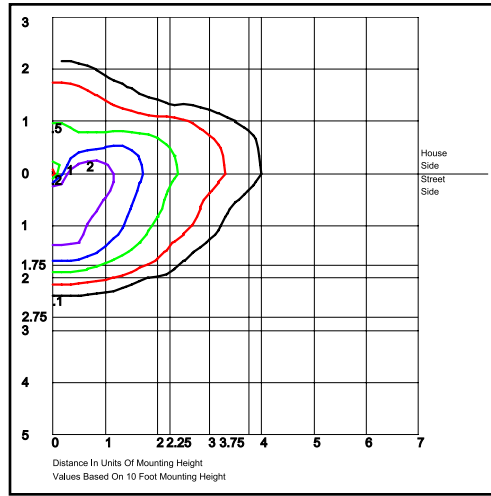


PHOTOMETRIC DATA



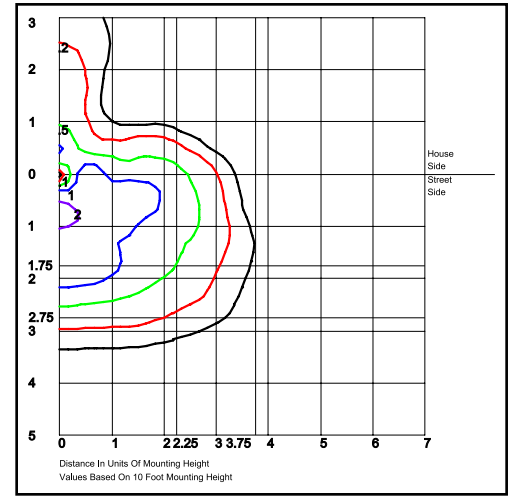
HR20QB1X39UAMO
Type II, Open

Grid in MH
MH=10 Feet



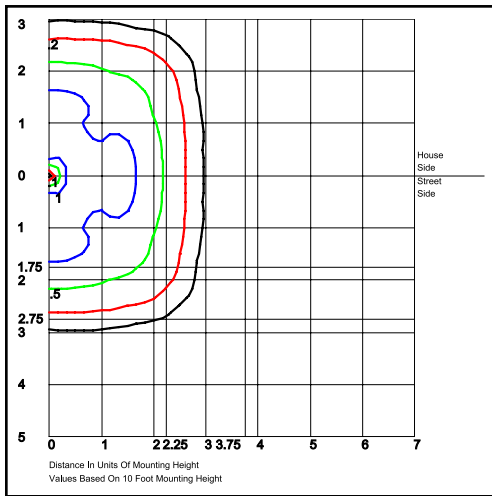
HR20QC1X39UAMO
Type III, Open

Grid in MH
MH=10 Feet



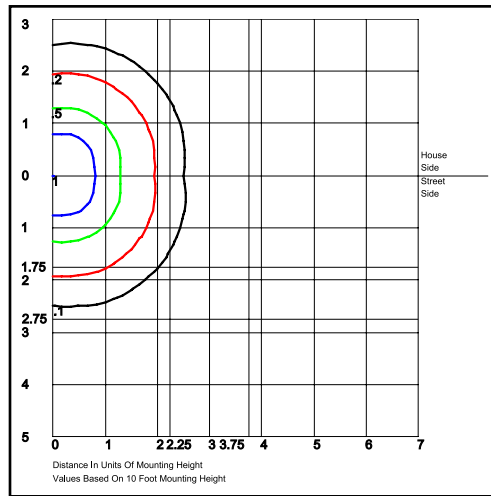
HR20QD1X39UAMO
Type IV, Open

Grid in MH
MH=10 Feet



HR20QF1X39UAMO
Type V, Open

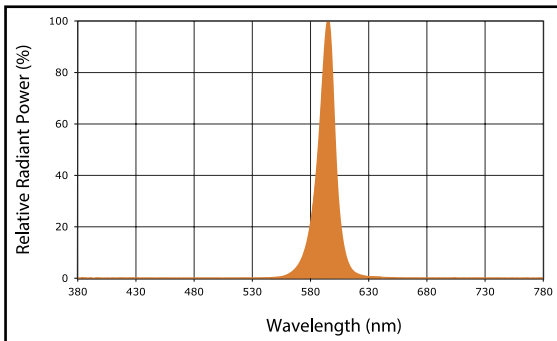
Grid in MH
MH=10 Feet



HR20QF1X39UAML
Type V, LumaLens

Grid in MH
MH=10 Feet

SPECTRAL CHART



HR20Q Amber DuraLED Portsmouth LED Post Top Lantern**DuraGuard**
PRODUCTS INC.
A QSSI Company**PHOTOMETRIC PERFORMANCE**

Optic	Wattage (Catalog Logic)	39w (1X39)
	Input Watts	42.5w
	CCT	Delivered Lumens
B = Type II Open	Amber	1,942
	BUG Rating	B1-U0-G1
C = Type III Open	Amber	1,987
	BUG Rating	B1-U0-G1
D = Type IV Open	Amber	2,028
	BUG Rating	B1-U0-G1
F = Type V Open	Amber	2,085
	BUG Rating	B2-U0-G1
F = Type V LumaLens	Amber	1,740
	BUG Rating	B1-U3-G1

PROJECTED LUMEN MAINTENANCE

Data shown for Amber LEDs TM-21-11	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	42.5w	1.00	0.95	0.90	0.81	154,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.97	0.93	0.86	145,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.93	0.87	0.74	76,000

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.