

POWERHOUSE™ PH1000 SERIES HALOGEN ILLUMINATORS

Project:

Type:

Catalog Number: **PH1000, PH1100**

System Component: **Illuminator**



- ◆ 250W Quartz Halogen
- ◆ ETL Listed for Dry and Wet Locations
- ◆ CSA Listed for Dry and Wet Locations
- ◆ CE Approved for Dry and Wet Locations
- ◆ Harness Ready
- ◆ Dimmable
- ◆ Instant Strike/Re-strike

DESCRIPTION: The **Powerhouse™ PH1000 Series Quartz Halogen** illuminator is an efficient Lumenyte light source, combining intensity and economy with an optional color wheel. The color wheel can be stopped or run continuously or controlled via synchronization. The PH1000 Series is designed for interior and exterior applications without additional enclosure requirements and stays cool to the touch with minimal light leakage. It requires a PHP- type harness for all applications except twinkle wheels, which use a PH- type harness, or a PS-HARN in stranded cable applications.

SPECIFICATIONS:

Housing Size	L: 11.75" (29.8 cm) W: 9.13" (23.2 cm) H: 7.13" (18.1 cm)
Housing Material	Glass Filled Polycarbonate
Lamp Type	Quartz Halogen
Lamp	XL-175 (250W MR-16 24V ELC)
Lamp Color Temperature	3150° K
Lamp Wattage	165 Watt (derated from 250 watts)
Lumen Output	800 Lumens (@ 15mm Aperture Port)
Rated Lamp Life	1500 Hours (Average Manufacturer Specifications)
Lamp Reflector	Custom Designed Dichroic Glass
Power Consumption	1.55 Amps at 240 VAC, 2.3 Amps at 120 VAC
Cooling Fan	105 C.F.M. Sealed Bearing Axial
Weight	12 Pounds (5.4 Kilograms) without options
Fuse	Automatic Thermal Reset Type
Color Filters	Dichroic Glass



LUMENYTE® INTERNATIONAL CORPORATION

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Ordering Information

SERIES	VOLTAGE	HARNESS	DIMMING	COLOR	COLOR CONTROL
PH1000 60 Hz PH1100 50 Hz			-D with dimmer switch		-CSC Color Synchronization Control System/ 120V / 240V (-M master unit required; -S up to ten slave units per master unit. See CSC page for further details)
	PH1000: -120 120 VAC PH1100: -240 240 VAC				
		- H Harness-Ready			
				-L White Light Only (no color wheel or color wheel motor) -CW Standard Color Wheel (four-part: amber, lime green, blue, red) -P Pool Color Wheel (four-part: white, dark green, light blue, blue-magenta) -C4 Custom Color Wheel (Select four: any color listed above and/or aqua, dark orange, violet, yellow) -C8 Custom Color Wheel (Select eight colors)-not available in -CSC -TW1-PH1 Twinkle Wheel for Large Core Fiber only -TW1-PH2 Twinkle Wheel for PMMA Fiber in Powerhouse™ Series Illuminators	
					See Color Wheel pages for more details

EXAMPLE:

PH1000 - 120 - H - D - CW - CSC

SERIES	_____	_____	_____	_____	CONTROL COLOR
VOLTAGE	_____	_____	_____	_____	COLOR
HARNESS	_____	_____	_____	_____	DIMMING

Notes

- 1) PH illuminators are air cooled. When installed, adequate ventilation must be provided. If the illuminator is to be enclosed, install the LIC Exhaust Duct (DUCT-PH).
- 2) Lamp is extremely hot to the touch. Handle by reflector edges only. Damage can occur from the natural oils of hands.
- 3) Fiber(s) should exit illuminator straight for at least 12" before large bends. Splice to harness fiber must occur on STRAIGHT portion of fiber, not on bend.
- 4) Illuminator will restart instantly after turning it off or after power outage condition.
- 5) PH1000 illuminators can be electrically dimmed.
- 6) Mount on horizontal plane with aperture sideways or mount vertically with aperture downward. **DO NOT** mount with aperture upward.