FlashGuard® 2000B

White Medium Intensity
Red Medium Intensity
Strobe Systems

HUGHEY H&P PHILLIPS

FlashGuard® 2000B Series Description:

The FlashGuard® 2000B Series Medium Intensity Lighting System combines a daytime white strobe light and a night-time white flashing light into a single flashhead. The system is also available as a red flashhead which can be used at night in place of red incandescent lighting for much longer light source life. The flashhead is powered and controlled by a power supply that can be mounted remotely at the base of the structure.The power supply constantly monitors the operation of the system, and provides alarm contact closure upon any failure. The system automaticallyswitches between day, twilight, and night intensities by the use of a calibrated photo cell. FlashGuard® 2000B White flashhead incorporates a light blocking strip that minimizes ground scatter light, resulting in a community friendly lighting system.

FAA Type:
L-864 Medium Intensity Light
L-865 Medium Intensity Light

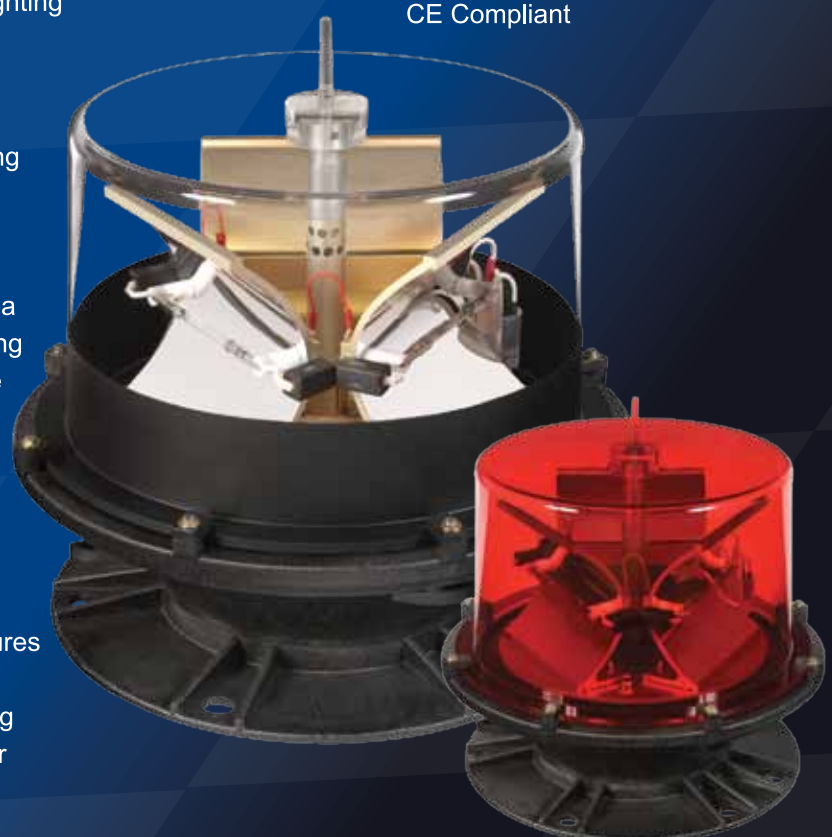
ICAO Type:
Type A Medium Intensity Light
Type B Medium Intensity Light

ETL Certified:
FAA Advisory Circular
150/5345-43F

Compliant to:
ICAO Annex 14, MIL-C-7989,
DGAC of Mexico,
CAR 621.19
CE Compliant

Application:

Medium intensity obstruction lighting systems are typically used on structures between 150’ (45M) and 500’ (150M) above ground level to provide aviation safety. The use of a medium intensity white strobe during the daytime typically eliminates the need to paint the structure with aviation orange and white stripes. The use of a red flashing beacon at night provides a “community friendly” light. Hughey & Phillips medium intensity obstruction lights are designed for lighting tall structures such as communication, television and radio towers, chimneys, cooling towers, tall buildings, catenary river crossings and bridges.



System Features:

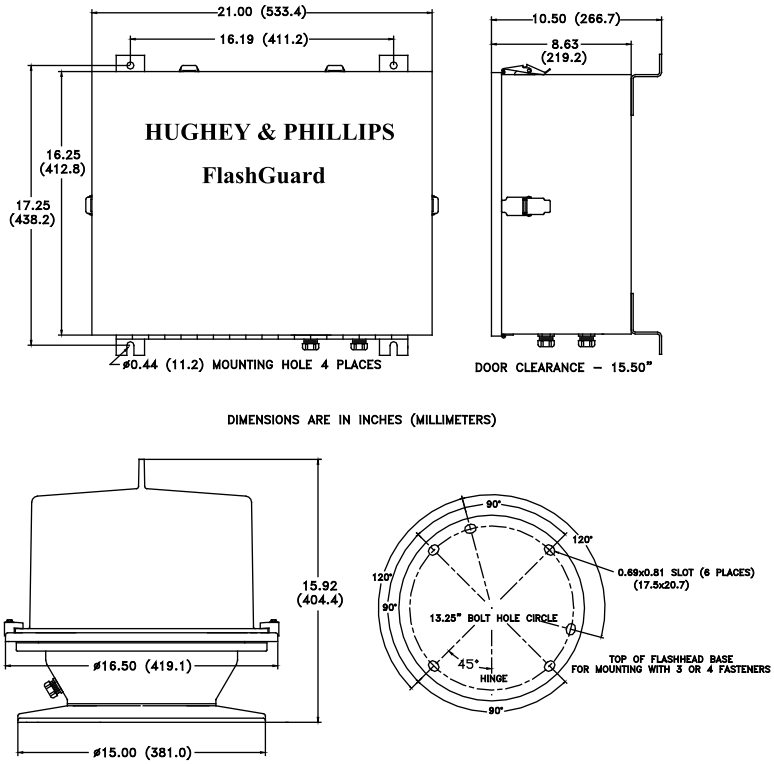
- Single flashhead provides white or red medium intensity operation with no moving parts.
- Precise optics minimize ground scatter light
- Alarm contacts provided for connection to any monitoring system
- Rugged design of flashhead and power supply is suitable for outdoor installation in any climate

Flashhead Features:

- Internally triggered Xenon strobe tubes utilized for long-life and maximum efficiency, without creating corrosive ozone
- Parabolic reflector optics and linear strobe tube optics combination provides very precise optics and blocks ground scatter light in both red or white operation
- Lens raises and locks in place, providing easy access to strobe tubes
- Only three components used in flashhead - minimal maintenance required at top of structure
- Safety interlock switch included
- No moving parts
- High temperature, UV resistant acrylic flashhead lens

Power Supply Features:

- Provides power electronics, timing circuitry, and monitoring for lighting system
- Automatic day/night intensity control
- Manual intensity override
- Easily accessible components
- Plug-in-play circuit cards
- NEMA 4X Stainless Steel Enclosure
- Control and monitoring for up two sidelight levels with four steady burning obstruction lights
- Fail-safe monitoring system with up to five remote alarm contacts
- Low power consumption



Specifications:

Photometric	Day Mode (White)	20,000 candela ± 25%
	Night Mode (Red)	2,000 candela ± 25%
	Backup Night Mode (White)	2,000 candela ± 25%
	Beam Spread	3° minimum
	Horizontal Coverage	360°, omni-directional
	Ground Scatter	<3% Light Output at -10° Vertical
	Flash Rate	40 FPM Day & Backup White Night 24FPM Red Night
Environmental	Temperature	-55° to +55° C (-67° F to +131° F)
	Will withstand exposure to	95% relative humidity Wind-blown rain direction Salt-laden atmosphere Wind Speed - 240kph (150mph)
Mechanical	Weight, Flashhead	10 kg (22 lbs)
	Weight, Power Supply	24 kg (53 lbs)
	Power Supply Enclosure	304 Stainless Steel - standard 316L Stainless Steel - optional
	Flashhead Lens Material	High Temp/UV Resistant Acrylic
Electrical	Input Voltages	120, 230/240, 277, 480 VAC, 24VDC
	Input Frequencies	50/60 Hz
	Power Consumption, Day	208 Watts
	Power Consumption, Night	133 Watts
	Power Consumption, Backup	77 Watts
	Peak Inrush Current	7A @ 120VAC
	Available Alarm Contacts (form C dry-contact)	Power Failure, Mode Status, Strobe Failure, Sidelight #1 Fail, Sidelight #2 Fail

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