

HELIDECK MARKER LIGHTING

HIGH WATTAGE AC LIGHTING

Automatic Power offers a complete line of high-efficiency, helideck marker lights for offshore platforms. In addition to traditional glass lenses, a line of low wattage lights with high efficiency, polycarbonate fresnel lenses and 12-volt signal lamps are also offered. Both glass and polycarbonate lenses are mounted on the same copper-free cast aluminum bases. The lights are gasketed to provide IP-66 protection and are approved for NEC Class I, Div II locations.

LOW WATTAGE DC LIGHTING

Available with yellow and/or blue, polycarbonate fresnel lenses, these marker lights (Model HEL-85-BP) are designed to provide many years of trouble free operation in the harsh marine environment of offshore platforms. With lamps ranging from six to thirty-six watts, the power consumption of these helideck marker lights is significantly less than conventional lighting with glass lenses or fluorescent fixtures. Optical performance complies with International Civil Aviation Organization and American Petroleum Institute helideck lighting standards.

These helideck lights greatly simplify the power system and increase the reliability of the helideck lighting system. Initial installation costs are also reduced significantly:

1. The helideck lighting can be converted to low voltage DC with a small standby battery and battery charger. Complex and expensive Uninterruptible Power Supplies and large battery banks can be eliminated.
2. The helideck lighting system can be converted to inexpensive and reliable solar photovoltaic power. Remote-controlled, solar-powered helidecks are feasible on unmanned platforms.

Automatic Power has also developed a system controller, designated the APF-247UA, which provides photocell control, highly efficient pulse width modulated lamp voltage regulation, and a direct connection point for a battery bank and a connection point for a solar array with solar charge regulation. This unit can accept input voltage over a range of 12-30 volts and power 12 amps of lights. It has hex-switch selectable, pulse width modulated output voltages allowing the field selection of lamp intensity and lamp life. Lamp life may be varied between 1,000 and 11,000 hours and intensity varied between 50% and 100%. Automatic Power also offers a complete monitoring and control packages for a helideck lighting systems.

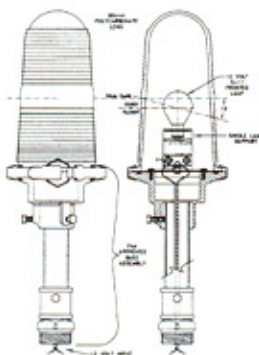
This economical, high wattage lighting (Model HEL-85-GLS) features glass lenses with medium-screw, vibration-tolerant, traffic signal lamps rated at 8000 hours.

PHOTOMETRIC DATA (CANDELA)

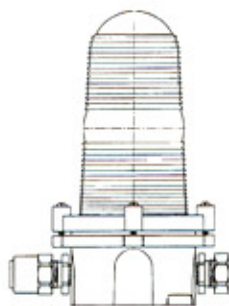
FROSTED LAMPS 12V	YELLOW		BLUE	
	Poly	Glass	Poly	Glass
0.55 AMP	23	--	.37	--
0.77 AMP	40	--	.60	--
1.15 AMP	61	--	.90	--
2.03 AMP	101	--	1.90	--
3.05 AMP	157	--	2.50	--
120/230 VAC				
25 Watt	25	17	1.5	1.5
69 Watt	--	75	--	4.0

LUMINOUS RANGE IN KILOMETERS (10 MILE ATMOSPHERIC VISIBILITY)

KM	CANDELA	KM	CANDELA
0.25	0.01	2.0	1.07
0.50	0.05	4.0	6.13
1.0	0.22	8.0	47.3



FAA Breakaway Type Fixture



Deck Mount Fixture



Automatic Power Inc