1074 Kenran Industrial Blvd
Saint Louis, MO 63137
Phone: (800) 381-9968

HUMCO Lights

C&F 500W Manual Xenon Searchlight

500 Watt Manual Control Xenon Searchlight

45 Million Candlepower with Remote Electric Beam-size

Standard of U.S. Coast Guard, U.S. Navy, and U.S. Prison System!

Features

- **Beam Intensity:** 45 Million Beam Candlepower illuminates an object approximatley 6700 meters away on a clear night!
- **Electric Beam-Size Focus:** Beam can be widened and narrowed remote electrically, throughout a continuous spectrum.
- **Beam-size Focus Knob:** External Knob changes beam-size with no tools, and provides back-up should the focus motor fail.
- **Beyond 360° of Rotation...** Unique Sliding-Stop Design allows 385 Degrees horizontal motion.
- **"Multi-board Safety Back-up"...** electronic design incorporates two boards in parallel, and if one fails, the beam will still operate in back-up mode!
- **Bullet-Resistant Reflector...** Precision-Optic Reflector with virtually indestructible Nickel Material helps prevent breakage if fixture is impacted by bullets or rocks.
- **Robust Lever-Gear Aiming Assembly...** twist the lever handle and a rack and pinion design moves head up and down with a built-in friction brake. Swing Lever side to side for horizontal aiming.
- **Thermal Camera (optional):** Optional integrated thermal camera provides additional Night Vision Capability.
- **LED Hybrid (optional):** Auxiliary LED Light Modules project a "Wall of Light", 150 Meters Wide and over 230 Meters away, for strategic wide area, short-range lighting.

Searchlight Specifications

Electric Beam-Size Focus: 1 to 20° (throughout continuous spectrum)
Temperature Range: -25 °C to +48 °C (approx)
Environmental Protection: IP56
Power Consumption: 115VAC/12 Amps or 230 VAC/6 Amps; 50/60HZ
Vertical Span: +35 Deg to -35 Deg (Total 70 Deg approx)
Horizontal Span: Beyond Full Circle (385 Degrees with sliding stop)
Lamp: 500 Watt, Xenon Short Arc, 6500 °Kelvin
Beam Intensity: 45 Million Candela
Distance Serviced measuring 1 LUX: 6708 Meters on a clear night
Reflector: Precision Electroformed, Nickel Material, Bullet-Resistant
Materials: Marine Grade Aluminum and Stainless Steel

"Leaders in Searchlight Technology for over 122 years"

Electronic Power Supply

with Multi-Board Safety Back-up!

GO GREEN with the New C&F 500 Watt Xenon Power Supply... "Less than 1/3 the weight, Less than 1/3 the size, and 15% more efficient than previous models."

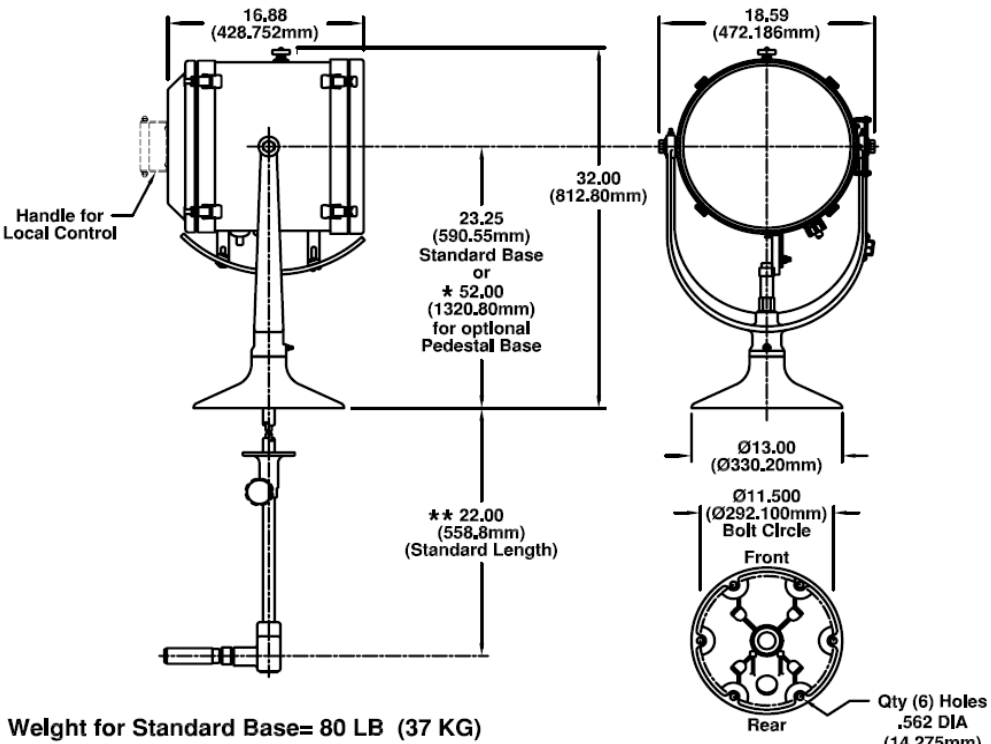
Features

- *Light Weight*
- *Small Footprint*
- *Improved Efficiency*
- **Multi-Board Safety Back-up Design*
- *120 & 230 Volt Models Available*
- *Integrated Hour Meter and Ammeter*
- *Optional Outdoor Models Available*
- *Backward compatible with previous generation power supplies*

Qty(2) Electronic Boards in parallel provide immediate Safety Back-up!

*Multi-Board Safety Back-up Design: The unique Carlisle & Finch design has multiple electronic boards connected in parallel which provide built-in redundancy. If a board fails, the searchlight will still operate in "back-up" mode. This feature insures greater searchlight reliability, and is offered by no other searchlight company in the world. Other searchlights, have a complete outage, if an electronic board fails!

500 Watt Xenon Searchlights
Models X9396LG-RF and X9396LG-HRF
Dimensions in Inches (mm)



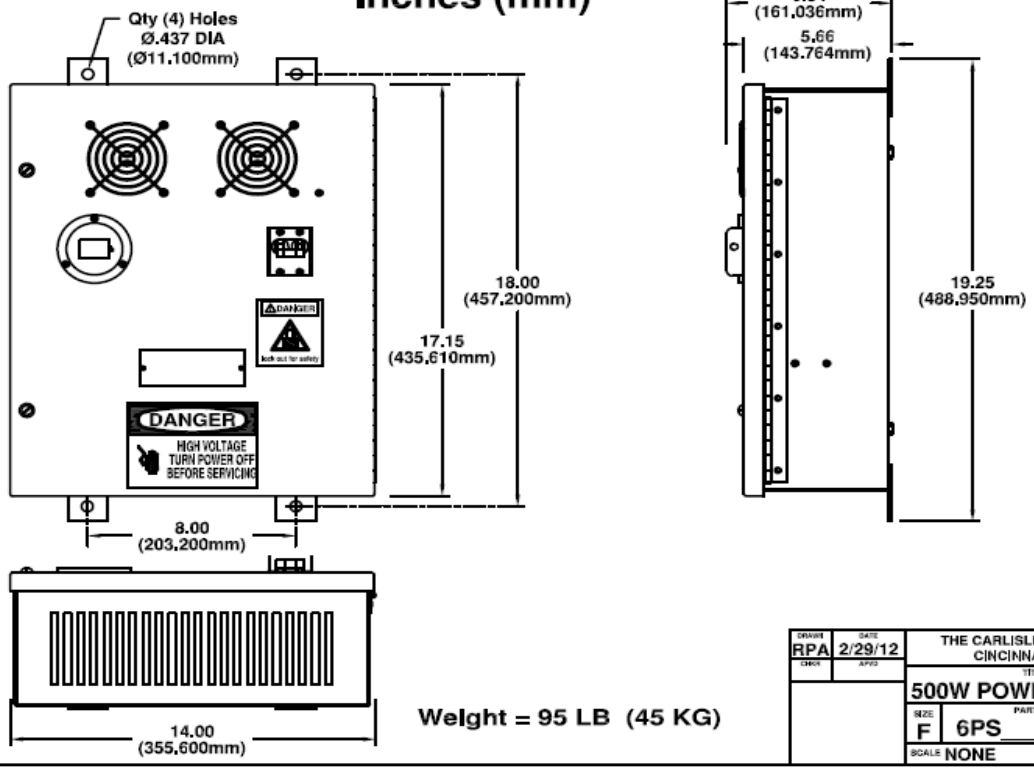
* NOTE: This height can be made to any length as specified by customer. Consult factory for custom dimension.

** NOTE: This control length can be any length as specified by customer. Consult factory for custom dimension.

Weight for Standard Base= 80 LB (37 KG)
Weight for Pedestal Base= 95 LB (43 KG)

DRAWN	DATE	THE CARLISLE & FINCH CO. CINCINNATI, OHIO
RPA	9/18/06	
CHKR	APVD	TITLE: 500W SEARCHLIGHT
SIZE F	PART NO. X9396LG-____(DIM)	REV .
SCALE NONE	SHEET 1 OF 1	

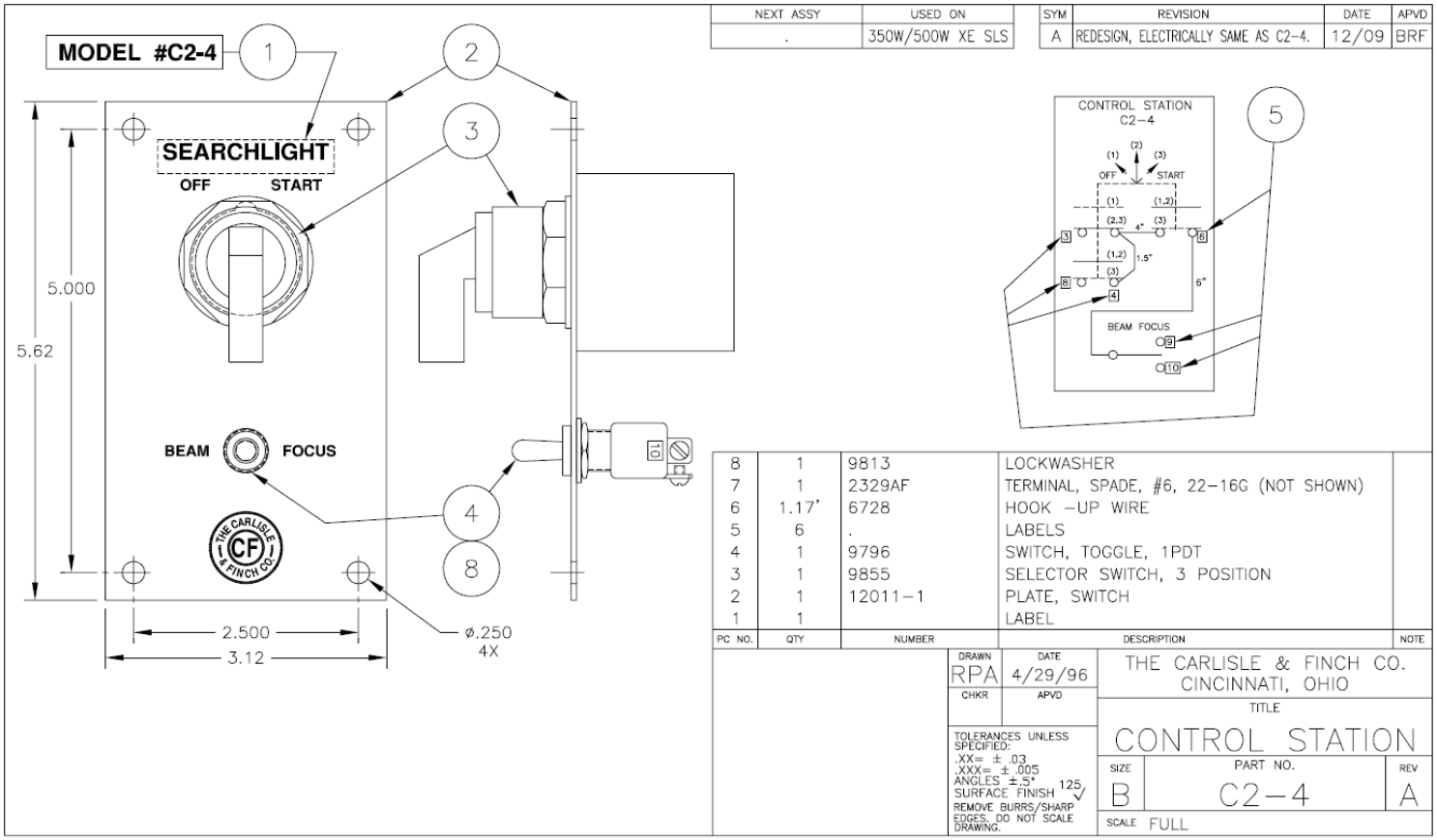
500 Watt Xenon
Power Supply Dimensions
Inches (mm)



Weight = 95 LB (45 KG)

DRAWN	DATE	THE CARLISLE & FINCH CO. CINCINNATI, OHIO
RPA	2/29/12	
CHKR	APVD	TITLE: 500W POWER SUPPLY
SIZE F	PART NO. 6PS____(DIM)	REV .
SCALE NONE	SHEET 1 OF 1	

Control Station Dimensions in Inches



NEXT ASSY	USED ON
.	350W/500W XE SLS

SYM	REVISION	DATE	APVD
A	REDESIGN, ELECTRICALLY SAME AS C2-4.	12/09	BRF

PC NO.	QTY	NUMBER	DESCRIPTION	NOTE
8	1	9813	LOCKWASHER	
7	1	2329AF	TERMINAL, SPADE, #6, 22-16G (NOT SHOWN)	
6	1.17'	6728	HOOK -UP WIRE	
5	6	.	LABELS	
4	1	9796	SWITCH, TOGGLE, 1PDT	
3	1	9855	SELECTOR SWITCH, 3 POSITION	
2	1	12011-1	PLATE, SWITCH	
1	1		LABEL	

DRAWN	DATE
RPA	4/29/96
CHKR	APVD

TOLERANCES UNLESS SPECIFIED:
.XX= ± .03
.XXX= ± .005
ANGLES ±.5°
SURFACE FINISH 125
REMOVE BURRS/SHARP EDGES. DO NOT SCALE DRAWING.

THE CARLISLE & FINCH CO.
CINCINNATI, OHIO

TITLE
CONTROL STATION

SIZE	PART NO.	REV
B	C2-4	A

SCALE FULL

How to Specify a Searchlight System

Searchlight Model	Power Supply Model	Control Station Model
X9396LG-RF	6PS115 (115 VAC) or 6PS230 (230 VAC)	C2-4

How to Specify a System: Read across the table and select one Searchlight, one Power Supply and one 9754X-RF Control Station. NOTE: Then specify Lever Control Length (reference previous page 3, and see the dimension **22 inches marked by the double asterisk. This is the standard length, but this dimension can be specified to any length which meets the customer's exact requirement. Please consult Factory for the custom length you desire.

Example Order: Searchlight powered from 115VAC Input... Qty(1) X9396LG-RF, Qty(1) 6PS115, Qty(1) C2-4.

Note: To add an Optional Thermal Camera and/or LED Hybrid Feature, Consult Factory.