

EXTENDED CARE PROGRAM

Extend the standard one year warranty on these Solar Simulators by an additional year, with our Extended Care Program. Please ask a Sales Engineer about this plan when placing your order.

SAFETY CONSIDERATIONS

These illuminators produce very high intensity ultraviolet radiation. Exposure to intense UV radiation, even for very short periods of time, can cause severe burns to the eyes and skin. A face shield, gloves and protective clothing must be worn at all times during operation. See page 9-26 for UV safety equipment.

SPECIFICATIONS

Wattage:	1000 W
Lamp type:	Xenon short arc
Collimation:	
For 2 x 2 inch beam:	±6°
For 4 x 4 inch beam:	±4°
For 6 x 6 inch beam:	±3°
For 8 x 8 inch beam:	±2°
Beam uniformity:	±5%
Light ripple:	<1% r.m.s.
Simulator input:	95 - 132 V AC/10 A, 50/60 Hz 190 - 264 V AC/5A, 50/60 Hz
Line regulation:	0.01%

ORDERING INFORMATION

Please refer to code LS2004 when placing your order with Newport.

Specify upward, downward or sideways beam configuration, when ordering.

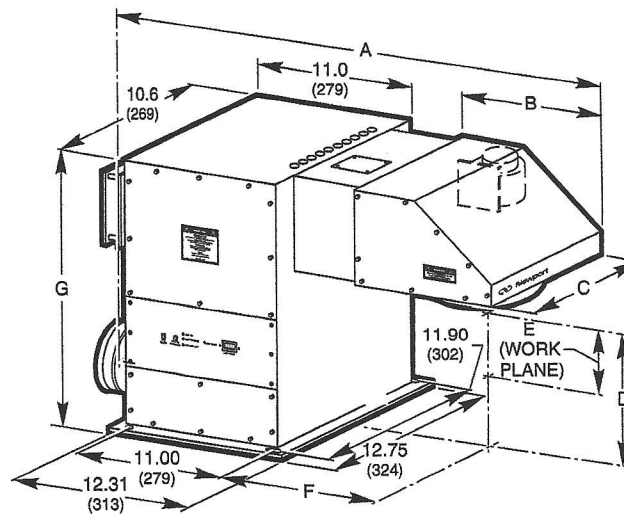
Simulator Type	Beam Size inch (mm)	Model No.
Full Spectrum Solar Simulators	2 x 2 (51 x 51)	91191
	4 x 4 (102 x 102)	91192
	6 x 6 (152 x 152)	91193
	8 x 8 (203 x 203)	91194
	Diverging up to 12 x 12 (305 x 305)	91190
UV Solar Simulators	2 x 2 (51 x 51)	91291
	4 x 4 (102 x 102)	91292
	6 x 6 (152 x 152)	91293
	8 x 8 (203 x 203)	91294

Replacement Lamps

Lamp Type	Model No.
1000 W Xe, Ozone Free	6271
1000 W Xe, UV Enhanced	6269

82251	Hand-held Shutter Switch
92000	Extendend Care Program

See page 7-49 for air mass filters and page 7-48 for bandpass filters.



1000 W SYSTEMS BEAM SIZES	A	B	C	D	E		F	G
					MIN.	MAX.		
2X2	26.20 (665)	7.25 (184)	7.25 (184)	11.06 (281)	1.25 (32)	2.0 (51)	8.87 (225)	20.5 (521)
4X4	29.83 (758)	10.88 (276)	8.50 (216)	8.12 (206)	2.0 (51)	4.0 (102)	10.99 (279)	19.0 (483)
DIVERGING	29.83 (758)	10.88 (276)	8.50 (216)	10.25 (260)	3.0 (76.2)	17.0 (432)	10.99 (279)	19.0 (483)

Dimensions in inches (mm)

Fig. 3 Dimensional diagram of 2 x 2, 4 x 4 inch, and Diverging 1000 W Solar Simulator Housings. See following page for 6 x 6 and 8 x 8 inch drawings.

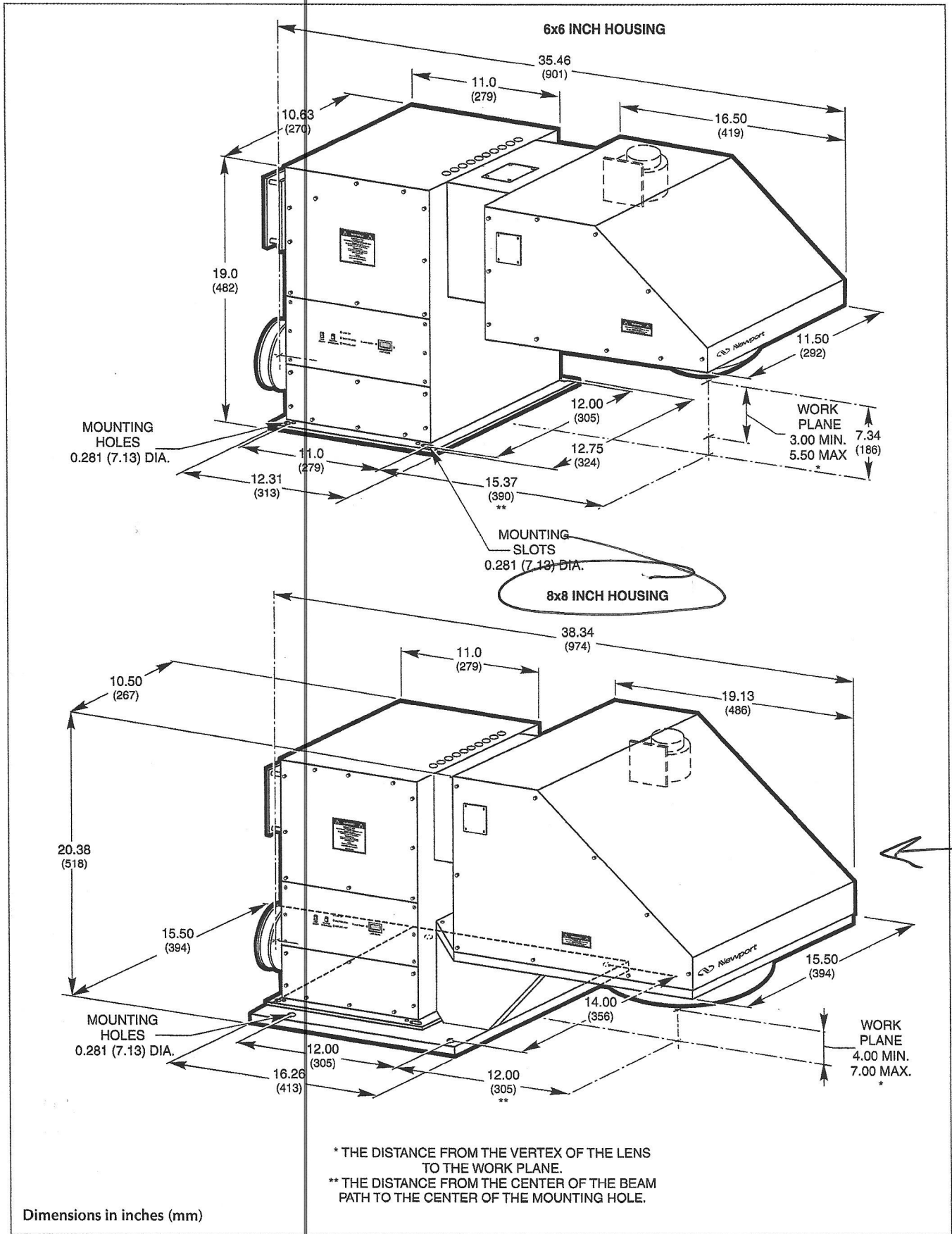


Fig. 4 Dimensional diagram of 6 x 6 and 8 x 8 inch 1000 W Solar Simulator Housings.