

SURNA REFLECTOR



Surna redesigned every aspect of the standard, sheet metal cultivation reflector to better fit growers' exact needs. Surna's innovative design includes an insulating tube, which allows it to be cooled without causing a shift in bulb spectrum and improves PAR.

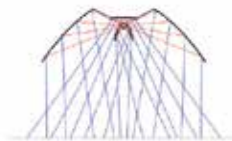
Surna's engineers also improved light-on-target by incorporating a unique shape, additional sub-reflectors and a replaceable liner made of 95% reflective material. The patented hood design more evenly disperses light when compared to traditional hoods while eliminating hot spots and providing even, consistent light across the canopy. All these elements work together to deliver up to 9% more light directly to your plants rather than wasting it on aisles or walls, creating higher yields at lower cost of ownership.

Available in a stand alone or liquid-cooled model, the Surna Reflector is ideal for growing in aisles or Sea of Green. It is compatible with DE HPS and CMH bulbs, providing versatility and accuracy to your facility.

To ensure maximum efficiency and enhanced growing potential, Surna designed our liquid-cooled reflector to provide cooling at the source, removing heat created by the light bulb before it is disseminated throughout the room. This helps reduce overall cooling costs for the cultivation facility and minimizes the need to invest in additional cooling equipment.



Traditional Hood Light Dispersion Pattern



Surna Reflector Light Dispersion Pattern

FEATURES AND BENEFITS

More Light on PAR

Surna's double ended reflectors produce 9% more light within PAR on average while at the same time increasing the effectiveness in directing light.

Larger Footprint

The Surna Reflector's larger footprint allows cultivators to utilize fewer lights within the growing facility.

Liquid-Cooled Option

Removes all heat generated by a 1 kW bulb at the source and minimizes the need for additional cooling in the facility.

SPECIFICATIONS

PHYSICAL	VENTED 1-REF-03	LIQUID-COOLED 1-REF-01
Length	32 in	
Width	33 in	
Height	13 in	18 in
Weight	40 lbs	59 lbs
ELECTRICAL		
Voltage	120/240V	
Amperage	9.1 A at 120V / 4.5A at 240V	
Wattage (DE)	1000W	
Frequency	60Hz	
PERFORMANCE		
Nominal Capacity	NA	1.5 GPM
Total Capacity	NA	0.5 Ton
Sensible Capacity	NA	0.4 Ton
EWT	NA	45°F
LWT	NA	45°F
Glycol Type & Percentage	NA	Propylene Glycol - 10 to 50%
Temperature Sensor	Pane 10395	
Pressure Drop	NA	0.45 psig

ADDITIONAL INFORMATION (APPLIES TO ALL MODELS)		
Optimal Reflector Height	24 in to 36 in above canopy	
Recommended Grid	4 x 4 ft ; 4 x 5 ft ; 5 x 5 ft	
Ballast Placement	Mounted above Reflector on structure or ceiling	
Light Control	Locally connected by day/night times	
Fan Control	Surna's Smart Control System for maintaining zone temperatures	