



Super Leo® 20/24kW Fresnel Spotlight

400 Series

SPECIFICATIONS

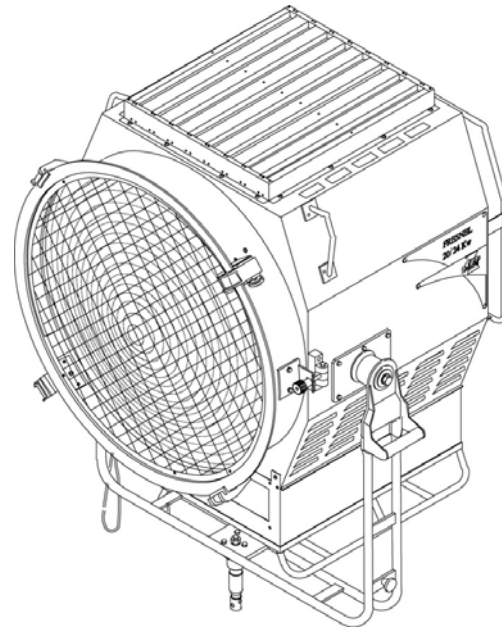
Quartz Halogen Fresnel Spotlight

PHYSICAL Octagonal-shaped lightweight stainless steel construction
 Double wall & internal baffles for efficient ventilation
 Coated with a high temperature heat resistant powder coat black epoxy paint finish
 Supplied with a stainless steel wireguard
 Hinged lens door with wire guard for easy re-lamping including accessory clips which can be positioned to suit various applications
 Top locking safety bracket for barndoor & colorframe
 Capable of being disassemble with a simple screwdriver for easy replacement of parts & maintenance
 Reinforced steel tube yoke with 1" male spigot attached for C-clamp
 Clutch activated T-handle for secure, single hand operation
 UL Listed

ELECTRICAL 115-240V, 50/60Hz
 12/3 SO type cable
 Six foot (6') standard detachable power cable
 Built in 125 amp on/off toggle switch

LAMP 24000w Maximum
 Capable of interchanging a 20,000w or 24,000w lamp
 G38 bi-post socket for long life tungsten halogen lamps (see table for suitable lamps)

OPTICAL/ FOCUS MECHANISM 24-1/2" (625mm) shock resistant borosilicate glass fresnel lens
 Special bi-metallic clad aluminum reflector for high degree of reflectivity and thermal resistance for long life
 Focusable from both the front and the rear
 Cable driven focus mechanism which guides Teflon bushings along a brass guide rail that is chrome plated to ensure smooth operation
 Mechanism restricts bouncing and chattering of the lamp carriage during focusing
 Teflon bushings also provide a wiping action which cleans the chrome plated brass guide rail during focusing



ORDERING INFORMATION

Super Leo 20/24kW

Model #	Description	Wt.
400.110	Version with 220v built-in dimmer, 6' detachable power cable and 125 amp on/off toggle switch	123.6
400.200	Version with 6' detachable power cable & 125 amp on/off toggle switch	123.6
400.210	Version with 6' detachable power cable only	123.6

Connector Designations

Model #	Description	Wt.
100PC-M	Two-pin & ground, 100 amp connector	0.8

Super Leo 20/24kW Accessories

Model #	Description	Wt.
406.100	Four leaf rotating barndoor	15.0
409.100	Four piece stainless steel scrim set	6.0
8035	Scrim bag	1.8
401.100	7' Detachable feeding cable	5.5
404.110	30' Extension cable for dimmer remote	1.5
404.120	60' Extension cable for dimmer remote	3.1
5505.100	Remote control for dimmer (ANALOG)	0.4
DGP-B250X	3-Section high wind-up stand with hard braked wheels	

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PHOTOMETRICS

TYPICAL DISTANCES		25'	50'	75'	100'				
LIGHT CENTER VALUES		Candle Power				FOOTCANDLES			
SPOT	20kW	2,200,000	3250	880	391	220			
	24kW	3,130,000	5008	1252	556	313			
FLOOD	20kW	360,000	576	144	64	36			
	24kW	540,000	864	216	96	54			

Values measured with 20kW & 24kW lamps—230V, 24-1/2" (625mm) Dia. Fresnel Lens

F.C. at any distance = CANDLE POWER: [Distance (in ft)]²

BEAM ANGLE (50% of center value)		BEAM DIAMETER in feet			
SPOT	10°	4.4'	8.7'	13.1'	17.5'
FLOOD	50°	23.3'	46.6'	69.9'	93.3'

For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.

To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.

For field diameter at any distance, multiply distance by .12

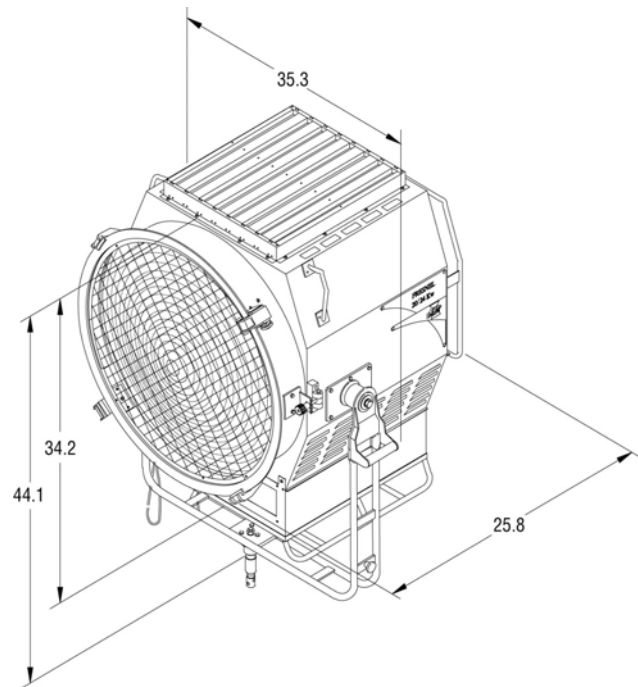
For beam diameter at any distance, multiply distance by .11

Metric Conversions: For Meters multiply feet by .3048
For Lux multiply footcandles by 10.76

LAMPING INFORMATION

Lamp Code	Watts	Volts	Color Temp	Avg. Rated Life
BCM	20,000w	120/230v	3200K	
	24,000w	120/230v	3200K	

DIMENSIONS (Inches)



DE SISTI LIGHTING

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