Follow Spotlights*

FOR

- TRAVELING SHOWS
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BY Strong

* Exclusive Lens System intensifies spot brilliancies and projects spots nine times brighter than conventional spotlights

THE STRONG ELECTRIC CORPORATION
87 CITY PARK AVENUE
P. O. BOX 1003 • TOLEDO, OHIO 43601

SINGER
LIGHTING PRODUCTS

SPOTS... PROJECTED BY *Strong* SPOTLIGHTS ARE SHARP, BRILLIANT AND *Perfectly Shaped*

1000 Watt Incandescent

TROUPIT
for short throws

No. 46000 - complete with lens system and stand. Operates from 115 volt AC convenience outlet, draws 9 amperes. Has an on-off power switch, aluminized metal reflector, porcelain mogul base socket for a 1000 watt DPW prefocused mogul base burn-base-down projection lamp, fresnel lens, nichrome steel iris, vertical tilt locking knob, 12 feet of 16-3 rubber covered lead cord, two element lens system, spot focus adjusting knob, and stand with three legs mounted on casters.

ACCESSORY: Six Color Boomerang #46983

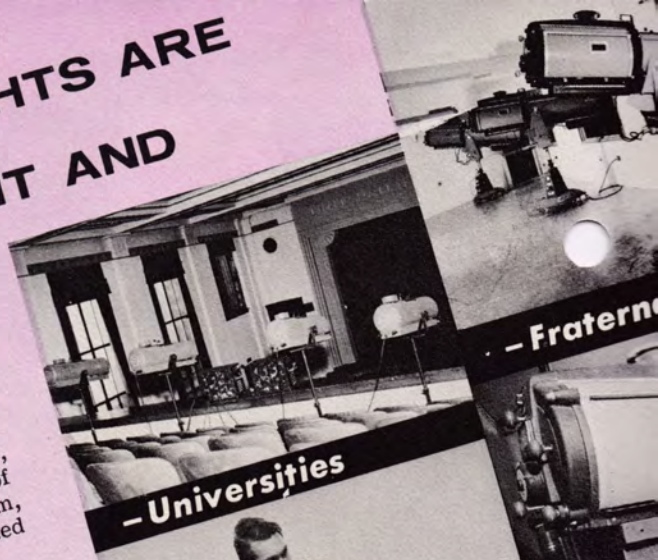
RANGE OF LENS SYSTEM				
THROW In Ft.	Max. Dia.	Spot FC	Min. Dia.	Spot FC
10	4 ft.	354	3"	354
20	9 ft.	73	7"	73
30	13-1/2 ft.	31	11"	31
40	18-1/2 ft.	18	14-1/2"	18
50	22 ft.	12	18"	12
60	26-1/2 ft.	8	22"	8
70	31 ft.	6	25"	6

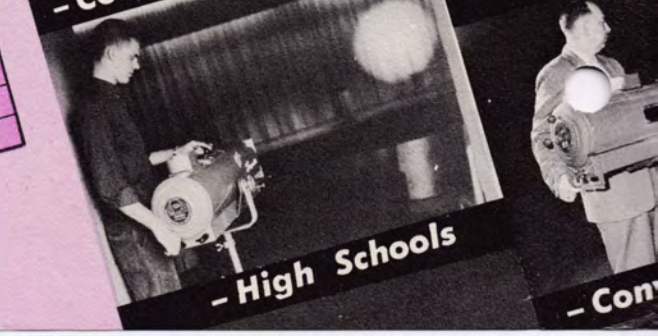
1000 Watt Incandescent

TROUPERETTE
for medium throws

No. 45000 - finished in a pleasing green color with red control knobs. The ONLY incandescent spotlight with an EXCLUSIVE Single Lever controlled two element variable focal length lens system. Intensifies spot brilliancies and projects spots NINE times brighter than conventional incandescent spotlight of equal wattage. Operates from 115 volt AC convenience outlet - draws 9 amperes. Spotlight has a silent on-off Power Switch, silvered metal reflector, porcelain mogul base socket, 1000 watt DPW prefocused mogul base burn-base-down projection lamp, fresnel lens, corrector lens, nichrome steel iris, horizontal masking control, vertical tilt locking knob, 6 color boomerang, 12 feet of 16-3 rubber covered lead cord with 2 wire adapter and stand with three legs mounted on rubber casters.

RANGE OF VARIABLE FOCAL LENGTH LENS SYSTEM						
MAXIMUM FLOOD			SMALL SPOT		Min. Spot Dia. with Iris	
THROW In Ft.	Diameter	Foot Candles	Diameter	Foot Candles	Diameter	Foot Candles
10	4-1/2 ft.	146	15"	1900		
20	9 ft.	37	24"	475		
30	13 ft.	18	34"	210	9"	210
60	26 ft.	4-1/2	62"	61	14"	61
80	36 ft.	2-1/2	83"	34	17"	34
100	44 ft.	1-1/2	103"	23	20"	23
120	52 ft.	1-1/4	122"	16	23"	16





SUPER TROUPER
for short throws

D.C. Carbon Arc

No. 19602 - Finished in lavender and black. Lamphouse #19602 same as Super Trouper. Optical system and color boomerang #51002 same as Trouper. Base yoke assembly #49004 same as Super Trouper.

RANGE OF VARIABLE FOCAL LENGTH LENS SYSTEM						
MAXIMUM FLOOD			SMALL SPOT		Min. Spot Dia. with Iris	
THROW In Ft.	Diameter	Foot Candles	Diameter	Foot Candles	Diameter	Foot Candles
20	9.5 ft.	580	24"	3640		
60	27.5 ft.	46	62"	660	14"	660
100	46.5 ft.	16	103"	235	20"	235
140	65 ft.	8	141"	120	26"	120
180	84 ft.	5	179"	73	32"	73
200	93 ft.	4	198"	60	35"	60

No. 19601 - Finished in light gray and black this spotlight consists of Lamphouse #19601, Lens and Color Boomerang #51001, Base Yoke Assembly #49001 with self-contained power conversion unit which operates from standard 115 volt outlet - draws 20 amperes.

Lamphouse includes a heavy duty on-off power switch, door operated pilot light to provide illumination for operator retrimming, front carbon holder to hold 7mm x 12" Suprex positive, rear carbon holder to hold 6mm x 9" Orotip negative, horizontal and vertical adjustments for rear negative carbon holder, motor driven to provide automatic feeding of carbons, rheostat for motor control, 11-3/8" dia. silvered glass reflector, vertical and horizontal adjustment of reflector and focusing of the arc, arcescope mirror and screen for maintaining image of carbon arc, focus adjusting manual feed knob. Arc current is 30 volts DC and 43 amperes, burning time for a trim is 1 hour and 20 minutes, color temperature 5700o Kelvin.

Lens and color boomerang have horizontal masking control, nichrome steel iris, dimming device, 6 color filters with automatic changing device, ultra-violet filter, and EXCLUSIVE 2 element variable focal length lens system controlled by one knob. This EXCLUSIVE lens system increases light intensity as spot sizes are decreased. A SILICON rectifier and blower motor is mounted under Lens mechanism.

Base Yoke Assembly has power conversion unit, 12 feet of 12-3 rubber covered power lead with 2 wire adapter, 8 position tap switch to adjust for variances in AC line voltage, indicating meter, provisions for adjustment in spotlight height and vertical and horizontal movement, 5 rubber casters and 5 adjustable feet for stationary positioning.

OPTIONAL: (When specifying 220 volt operation) Lamp operates from 220 volt AC line drawing 10 amperes, power lead cord 12 feet 14-3 rubber covered with 3 wire receptacle.

RANGE OF VARIABLE FOCAL LENGTH LENS SYSTEM						
MAXIMUM FLOOD			SMALL SPOT		Min. Spot Dia. with Iris	
THROW In Ft.	Diameter	Foot Candles	Diameter	Foot Candles	Diameter	Foot Candles
20	5-1/2 ft.	1000	19"	11000		
80	20 ft.	72	50"	1500	14"	1500
140	35 ft.	23	80"	525	21"	525
200	50 ft.	11-1/2	110"	300	27"	300
260	65 ft.	6-1/2	140"	185	33"	185
320	80 ft.	4-1/2	170"	125	39"	125
400	100 ft.	2-1/2	210"	85	47"	85

SUPER TROUPER
for extra long throws

D.C. Carbon Arc

No. 48000 - Finished in a durable gray finish and includes a lamphouse #48,000, Optical system #51,000, Color boomerang, Base Yoke Assembly #49,000 with self-contained power conversion unit which operates from standard 115 volt outlet - draws 10 amperes.

Lamphouse includes a heavy duty on-off power switch, door operated pilot light to provide illumination for operator retrimming, motor driven automatic feed mechanism to hold a trim (2 carbons) of 6mm x 7", AC carbons which operate for a total of one hour and twenty minutes before retrimming is required, silvered glass reflector, horizontal and vertical adjustments, arcescope mirror and screen for maintaining image of the carbon arc, arc focus adjusting and manual feed control knob. Arc current is 21 volts and 45 amperes with a color temperature of 65000 Kelvin.

Optical system includes horizontal masking control, nichrome steel iris adjusting knob, and an EXCLUSIVE 2 element variable focal length lens system controlled by one knob. This EXCLUSIVE lens system increases light intensity as spot sizes are decreased. Color boomerang mounts on front of lens mechanism which includes 6 colors and provisions for mounting an ultra-violet filter. Spotlight base has power conversion unit, 12 feet of 14-3 rubber covered power lead with 2 wire adapter, 8 position tap switch to adjust for variances in AC line voltage, indicating meter, provisions for adjustment in spotlight height and vertical and horizontal movement, 3 rubber casters and 3 adjustable feet for stationary positioning.

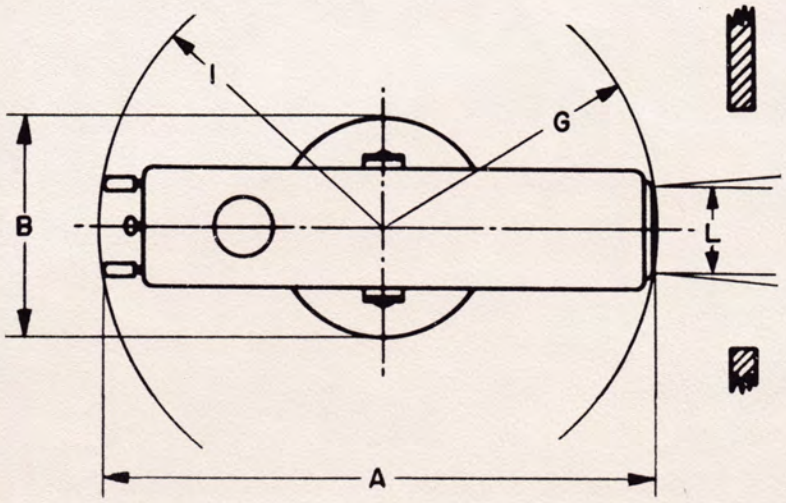
RANGE OF VARIABLE FOCAL LENGTH LENS SYSTEM						
MAXIMUM FLOOD			SMALL SPOT		Min. Spot Dia. with Iris	
THROW In Ft.	Diameter	Foot Candles	Diameter	Foot Candles	Diameter	Foot Candles
10	5 ft.	300	15"	8500		
40	20 ft.	20	43"	1000	11"	1000
80	40 ft.	5	83"	280	17"	280
100	50 ft.	3	103"	180	20"	180
120	60 ft.	2-1/2	122"	130	23"	130
140	70 ft.	2	141"	95	26"	95
200	100 ft.	3/4	198"	50	34"	50

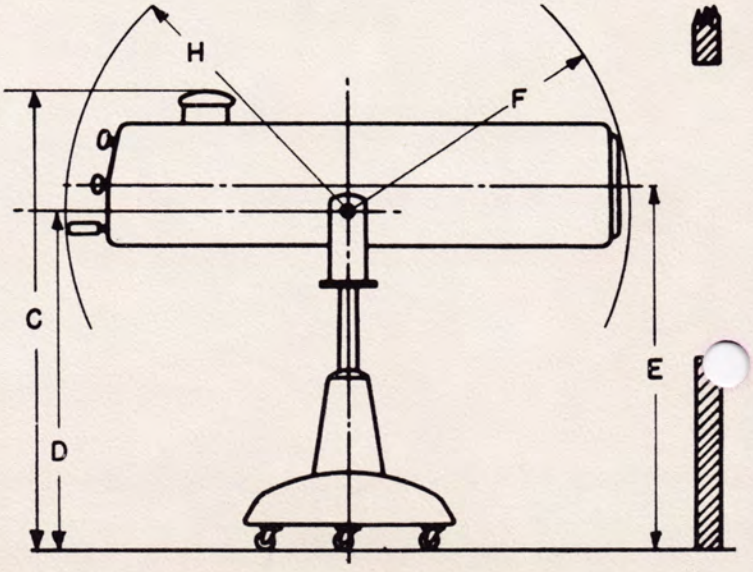
TROUPER
for long throws

A.C. Carbon Arc

OPTIONAL OR ACCESSORIES: Ultra-violet filter and holder, Metal reflector (Spec. 172) substitutes for glass (Spec. 141), 6mm x 7" AC carbons (Pkg. of 50 or box of 250). Other voltages and or cycles. Lobsterscope and Slide Projector optical system.

SPECIFICATIONS	TROUPIT	TROUPERETTE	TROUPER	SHORT THROW SUPER TROUPER	SUPER TROUPER
A Overall length of unit	26-1/8"	38"	61-1/2"	67"	80-1/2"
B Overall width of unit at base	26"	26"	28"	29"	29"
C Overall height of unit	*51-11/16"	*50-1/2"	*56"	*67"	*67"
D Height of pivot point	*42-5/8"	*41"	*45"	*48"	*50"
E Height of beam axis when horizontal	*44-1/8"	*43"	*47-1/2"	*53"	*53"
F Front clearance radius for vertical movement	12-7/8"	21"	31"	32-1/2"	43-1/2"
G Front clearance radius for horizontal movement	13"	21"	30-1/2"	32"	42-1/2"
H Rear clearance radius for vertical movement	14-1/2"	21"	32"	36"	39"
I Rear clearance radius for horizontal movement	14-3/8"	21"	32"	36"	39"
J Max. height at rear with max. downward tilt	*54-13/16"	*57"	*72"	*79"	*82"
K Max. height at front with max. upward tilt	*54-1/2"	*58"	*66"	*74"	*80"
L Diameter of beam at unit	5"	7"	7"	7"	11"
Max. diameter of beam with 50' throw	22 ft.				
Min. diameter of beam with 50' throw	18"				
Max. diameter of beam with 100' throw		44 ft.	50 ft.	45 ft.	25 ft.
Min. diameter of beam with 100' throw		20"	20"	20"	17"
*Measurements shown with spotlight at lowest height. Spotlight base provides variable adjustment upward of:	*20"	*25"	*12"	*12"	*12"
Maximum downward tilt	36°	40°	45°	45°	45°
Maximum upward tilt	36°	35°	25°	25°	25°
Horizontal sweep	360°	360°	360°	360°	360°
Net weight	56 lbs.	88 lbs.	225 lbs.	360 lbs.	395 lbs.
Gross weight	68 lbs.	103 lbs.	330 lbs.	585 lbs.	625 lbs.
Domestic packing carton	32"x17"x15"	46"x18"x16"			
Table stand available	Yes	Yes	No	No	No
Base carton			31"x31"x49"	31"x31"x53"	31"x31"x53"
Lamp box			64"x17"x18"	88"x26"x36"	88"x26"x36"
Color boomerang			23"x16"x7"	23"x16"x7"	





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