

Flight Towers
Borderlights
Resistance Dimmers
Color Wheels
Footlights
Dimmer Banks
Taxi Calls
Light Bridges
Floodlights
Terminal Lug
Aisle Lights
Panel Boards
Color Mediums
Exit Signs
Stage Cables
Sciopticons
Carbons
Pipe Clamps
Spotlights
Scenic & Stage Effects
Reflectors
Shutters and Blinders
Crystal
Portable Plugging Boxes
Cove Lights
Program Lights
Strip Lights
Connectors
Floor Pockets and Plug
Leaper Stands
Picture Lights
Sidewalk Projectors
Music Stands
Color Frames
Shutters and Blinders

KLIEGL LIGHTING

CATALOG B

KLIEGL BROS

UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC.
321 WEST 50TH STREET • NEW YORK, N.Y.

www.klieglbros.com



A COMPLETE LINE OF LIGHTING SPECIALTIES FOR THEATRICAL DECORATIVE AND SPECTACULAR PURPOSES

TABLE OF CONTENTS

(alphabetically listed)

	Page
Aisle, Step, and Corridor Lights.....	14
Borderlights.....	4
Cab Calls and Numeral Flashers.....	14
Cable, Stage, Borderlights, etc.....	23
Cable Supports, Borderlight.....	22
Carbons for Arc Lamps.....	24
Cleaner Stands and Work Lights.....	13
Color Boxes.....	19
Color Frames.....	19
Color Rolls.....	20
Color Wheels.....	19
Colormatic Dimmers.....	15
Colorine Remover.....	20
Connectors, Pin-Plug.....	18
Cove Light Strips.....	14
Crystal Showers.....	9
Dimmer Banks.....	16
Dimmers, Plate and Spotlight.....	15
Down Lights.....	9
Effect Holders.....	21
Exit and Directional Signs.....	12
Fire Logs and Coal Grates.....	10
Floodlights.....	8
Floor Pockets and Plugs.....	16
Footlights.....	3
Gelatine Color Mediums.....	20
Glass Color Mediums.....	20
Klieglights, New Type.....	2
Lamp Coloring Solutions.....	20
Lamps, Incandescent.....	23
Lenses.....	20
Music and Leader Stands.....	13
Panel Boards with Dimmers.....	15
Panel Pockets and Plugs.....	16
Picture and Sign Board Lights.....	9
Pipe Clamps.....	22
Plugging Boxes, Portable.....	17
Plugs for Pockets.....	17
Portable Dimmer Boxes.....	15
Program Lights.....	14
Proscenium Lights.....	5
Reflectors, for Spotlights.....	22
Scene Projectors (Linnebach Lamps).....	10
Scenic and Stage Effects.....	10
Sciopticons (Effect Projectors).....	10
Shutters and Blinders.....	21
Sidewalk Projector.....	11
Slide Carriers and Adaptors.....	21
Spotlights.....	5
Strip Lights.....	14
Studio Lights (Photographic).....	11
Switches, Enclosed.....	22
Swivel Brackets, for Spotlights.....	22
Taxi Calls.....	15
Terminal Blocks.....	21
Terminal Lugs, Solderless.....	22
Truck for Spotlights.....	24
Wall Pockets and Plugs.....	17

GENERAL INFORMATION

PRICE QUOTATIONS

Prices quoted in this catalog are subject to change without notice, and supersede all previous quotations. Net price quotations furnished upon request. List prices do not include crating, expressage, or postage—which will be charged at cost. All shipments are made from New York City.

PLACING THE ORDER

To avoid possible errors, give complete details when placing your order; mention catalog number and name of article together with any other information such as size, color, finish, etc., that may be essential.

SHIPPING INSTRUCTIONS

Customers are requested to give shipping instructions with their orders. If not given, our best judgment is used in the selection of routes. When ordering goods for shipment to traveling companies make a sufficient allowance of time for shipment to reach destination. Experienced packers are employed, therefore our responsibility ceases when material is received for in good condition by transportation company. Consignees must hold carrier responsible for breakage, damage, loss or delay in transit.

TERMS OF PAYMENT

Terms of payment are net cash, except to parties of established credit, to whom they are net 30 days. All remittances must be made in New York funds, in the form of Post Office Money Order, Express Money Order, or New York Draft. We cannot hold ourselves responsible for remittances lost in transit.

Goods will be sent C.O.D. if a deposit of not less than 25% of the purchase price is remitted with the order. Shipment will be forwarded by freight. Draft for balance due, with bill of lading attached, will be sent to bank designated by purchaser, so that, on payment of draft, goods will be delivered at destination.

GUARANTEE

All Kliegl equipment, apparatus and effects are sold with full guarantee. Any defects in material or workmanship will be promptly rectified—provided claims are made within 10 days of receipt of goods, and defective parts returned to us for examination, charges prepaid. No other claims for damages, labor or material will be allowed.

RETURN OF GOODS

No returned goods will be accepted unless request is made within 10 days after receipt of goods and permission has been obtained in writing. If permission for return is given, credit will be issued upon receipt of goods—therefore, do not charge our account or deduct from remittance. Credit will be given at an agreed price, from which shall be deducted, transportation and a service charge of 20%.

RENTAL OF APPARATUS

A selected stock of lighting apparatus and effects for stage, motion picture studio and display lighting are kept on hand for rental at contract rates. Expert operators can also be furnished when required. Rental charges for apparatus must be paid in advance. Unless New York City security is furnished, a cash payment must be made for full value of the goods, and when apparatus is returned, rental and express charges will be deducted from payment made and check for the balance returned. All transportation charges are to be paid by the rental party.

ANNOUNCING AN

Entirely New Type

of

Klieglight

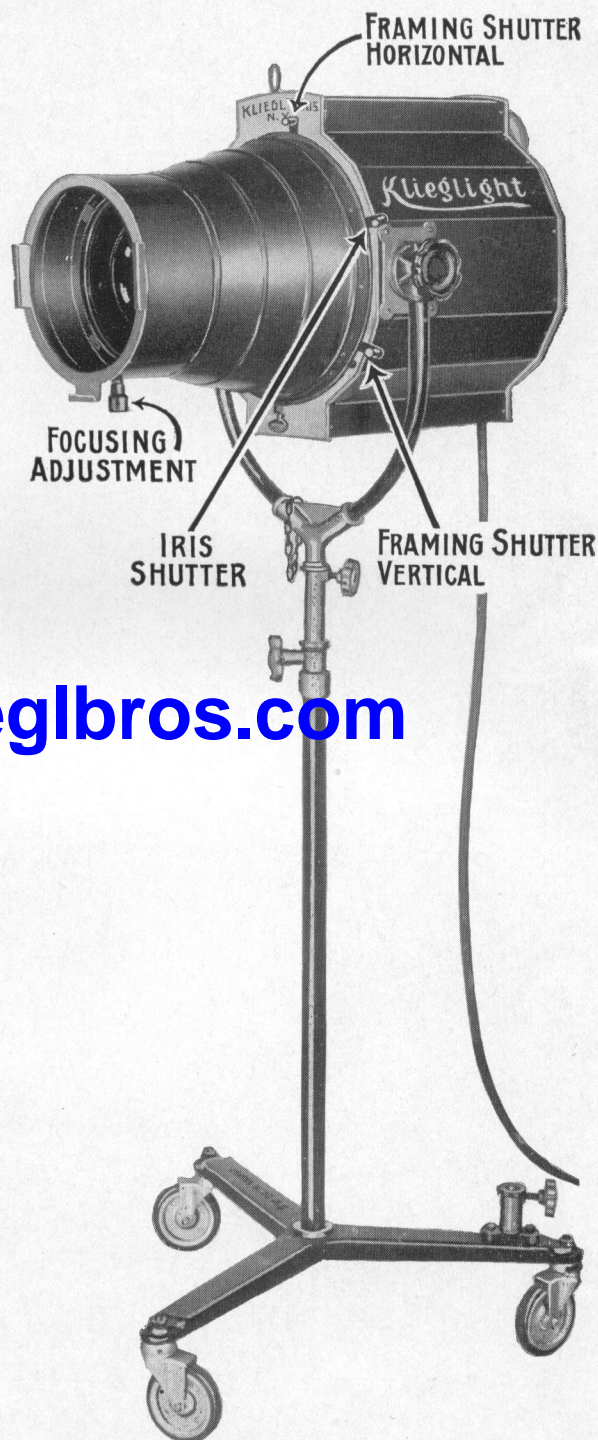
Patents Pending

AN AMAZING achievement. Radically different from anything heretofore produced. Entirely new in both principle and design. Perfected after several years of engineering research and practical tests. It marks a revolutionary advance in the science of illumination.

This new type of Klieglight is universal in application—can be used for either spot or flood lighting, indoors or outdoors, for long or short range work.

It offers the highest efficiency ever achieved in lighting units of its kind—being several times more efficient than arc or incandescent units of much greater wattage.

It accomplishes results in a simple, direct manner; provides absolutely uniform, high intensity illumination, with remarkably brilliant color values. It gives a round, square, or rectangular shaped beam of light, covering any required area—and considerably lowers lighting costs.



www.kieglbros.com

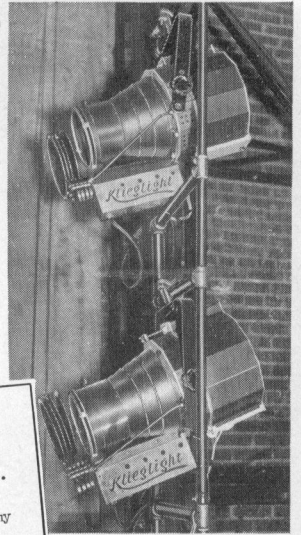
New Klieglight as adapted for permanent installations, such as balcony fronts, proscenium stage entrances, and the like . . . supplied with supporting yoke and round base or pipe clamp for mounting; and usually furnished with a set of four independently adjusted framing shutters—the iris shutter being omitted. The lamp housing is thoroughly air cooled, with vent openings top and bottom, which allow a full and continuous passage of air through the hood—thus prolongs the life of the lamp, and insures cool, economical operation. Light proof screens on all vents prevent light leakage.

Portable model as designed for use on the stage, in photographic studios, and elsewhere . . . equipped with a condensing lens, and adjustable framing and iris shutters for regulating the size and shape of the light beam. Flexibly mounted on a telescopic stand and fitted with easy-rolling rubber-tired casters. A 1000- or 1500-watt biplane filament lamp is used for the light source, and a first surface rhodium G R C metal mirror reflector collects and directs all the light rays through the lens system.

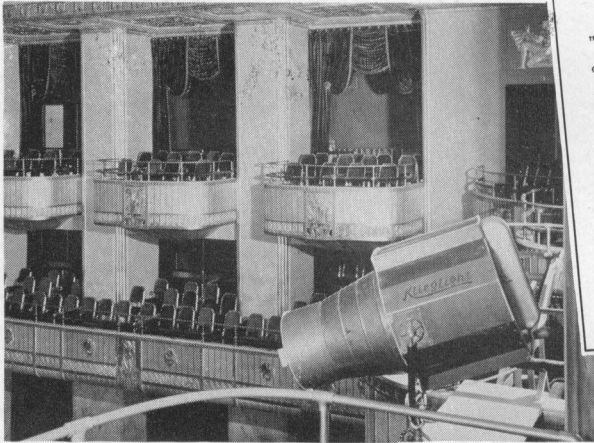
INCANDESCENT LAMP DEPARTMENT
GENERAL ELECTRIC COMPANY
 October 6, 1933.
 "... a new development ... a spotlight which combines many radically new and most interesting features. I consider this one of the outstanding developments of the last few years. It employs new principles — and things can be done with it which were not possible with the older types."
A. L. Powell
 Supervising Engineer

What others say about these new KLI EGLIGHTS

—and some installations



Two of twelve Klieglights in use at the Stanley Theatre, for lighting proscenium stage entrances—additionally equipped with Klieg electro-magnetically controlled color frames.



The renowned Waldorf Astoria Hotel, New York, employs the new Klieglights for spot and flood lighting their ballroom and concert stage.

STANLEY THEATRE
 PHILADELPHIA, PA.
 December 11, 1933.
 "... the new spotlights more than lived up to my expectations. We planned to use four — but found them so powerful we decided to use only two in each entrance. The results are more satisfactory than could be obtained with seventy ampere arc lamps — also the automatic color-change feature, and the fact that these lamps can be dimmed, make them more valuable than arc lamps."
A. E. Yeare
 A. E. Yeare

Several of the present available standard models are here listed. Others can readily be made to specifications if required.

No.	New Type Klieglights	Price*
1166	PORTABLE MODELS—for Studios With 6" dia. heat-resisting lens; two horizontal and two vertical adjustable shutters independently controlled; an iris shutter; and slide grooves for color frame (No. 570—10" x 11"). Mounted on telescopic pipe standard with 4" rubber-tired casters; furnished with 25 ft. of rubber cable.	\$150.00
1168	With 8" dia. lens, otherwise same as No. 1166.	155.00
1166 B	PERMANENT MODELS—for Balcony Front, Proscenium, and other permanent installations With 6" dia. heat-resisting lens; two horizontal and two vertical adjustable shutters all independently controlled; and slide grooves for color frame (No. 570—10" x 11"). With yoke and round cast iron base or pipe clamp for mounting; and furnished with 3-foot asbestos leads.	130.00
1168 B	With 8" dia. lens, otherwise same as No. 1166 B.	135.00
1166 S	PORTABLE MODELS—for the Stage With 6" dia. heat-resisting lens; two quick acting horizontal adjustable shutters jointly controlled; and two quick acting vertical adjustable shutters jointly controlled; an iris shutter independently controlled; and slide grooves for color frame (No. 570—10" x 11"). Mounted on a telescopic pipe standard with 4" rubber-tired casters; and furnished with 25 ft. of rubber cable.	170.00
1168 S	With 8" dia. lens, otherwise same as No. 1166 S.	175.00
1161	EFFECT MACHINE Details and prices on application.	

Nos. 1168, 1168B, and 1168S are intended for long distance projection.
 * Lamps, not included in list price.

INCANDESCENT LAMPS for KLI EGLIGHTS

Watts	Volts	Bulb	Base	Light Center	Life Hours	Price
1000	115	T 20	Mg. Prefocus	3 7/16"	...	\$9.25
1000	115	T 24	Bi-Post	...	200	11.50
1500	115	T 24	Bi-Post	...	200	13.75

T 24 bulb 25 hour life lamps, giving about 45 per cent more light, can be furnished at the same price.

www.klieglbros.com



Rear view of new Klieglight, showing removable lamp holder, especially devised to firmly hold the bipost base lamp in a fixed prefocused position—adjustments being provided for properly locating the lamp to procure an even distribution of light. Insert shows the 25-ampere snap switch as mounted in the hinged back casing of the Klieglight, and the control handle for directing the light beam.

KLIEGL BROS

UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC.

321 WEST 50th STREET • NEW YORK, N. Y.

Cable Address: "KLIEGLIGHT, N. Y."—Codes Used PRIVATE and WESTERN UNION

A COMPLETE LINE OF LIGHTING SPECIALTIES FOR

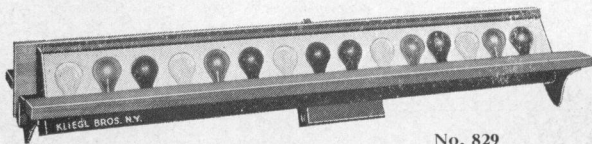


THEATRICAL, DECORATIVE AND SPECTACULAR LIGHTING

FOOTLIGHTS

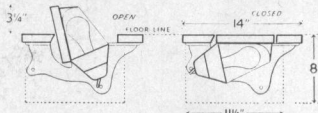
Many and various forms, including: Disappearing Types, used where footlights are only occasionally required; Permanent Type footlights, for regular stage installations; and Portable Type footlights, for temporary use. A number of popular models are here shown. When necessary, modifications in these standard designs, or special models, can be made to suit.

Disappearing Type Footlights

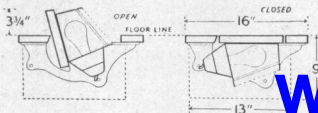


No. 829

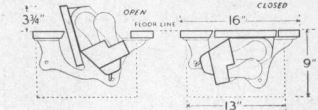
Sectional Views



No. 829



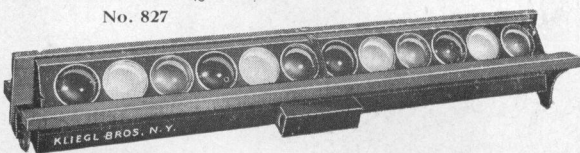
No. 828



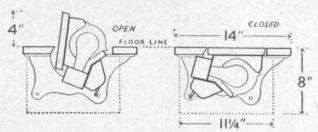
No. 827

When not in use they may be closed down flush with the stage floor, leaving an unobstructed platform. Very serviceable in instances where the stage is used sometimes for entertainments and at other times for speakers and lecturers, as in schools, clubs, concert halls, assembly rooms, etc.

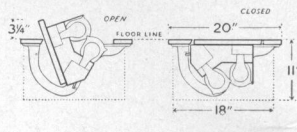
Furnished completely assembled; in straight standard five-foot lengths, with splice box, automatic cut-off switches and color changing. Receptacles for independent control of three colors. Sections have sufficient allowance to permit mitering at the ends for curved installations. Special lengths can be furnished if required. Comply with Underwriters' requirements.



No. 830



No. 830



No. 831

KLIEGL DISAPPEARING FOOTLIGHTS

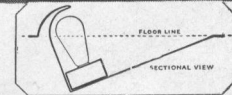
No.	Description	Price
829	Single row, open type with receptacles for fifteen 60- to 100-watt lamps; complete 5-foot section; wt. 46 1/2 lbs.	\$50.00
828	Double row, open trough type with receptacles for thirty-one 60- to 100-watt lamps; complete 5-foot section; wt. 75 lbs.	80.00
827	Compartment type with color frames for twelve 60- to 100-watt lamps; complete 5-foot section; wt. 67 lbs.	85.00
830	Single row enclosed type with colored-glass roundels, for twelve 100-watt lamps; complete 5-foot section; wt. 56 lbs.	85.00
830A	Single row enclosed type with colored-glass roundels, for nine 150-watt lamps; complete 5-foot section; wt. 56 lbs.	85.00
831	Double row enclosed type with colored-glass roundels, for twenty-four 100-watt lamps; complete 5-foot section; wt. 111 lbs.	130.00

Lamps not included in list price.

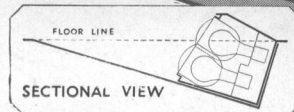
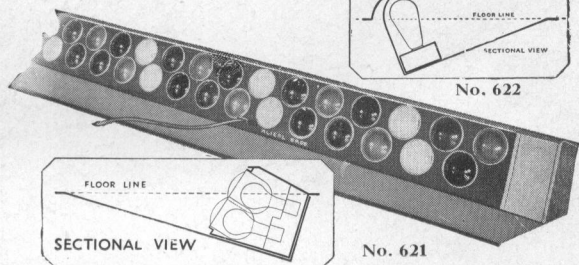
Permanent Type Footlights

For use in theatres, and wherever a permanently installed footlight is desired. Are in the form of a trough, fixed in position, with hood extending a few inches above the stage floor, protecting the lamps, and reflecting the light to the stage. Made in several standard designs, varying in structural details, lighting characteristics, and methods of obtaining color lighting. Designs may be changed to suit requirements.

These footlights are furnished in any length or curvature; with the wiring from the lamp receptacles terminating in a splice box, located as specified; and may be had wired for one, two, three or more colors, and any number of lights per color desired.



No. 622



No. 621

KLIEGL PERMANENT SEMI-FLUSH TYPE FOOTLIGHTS

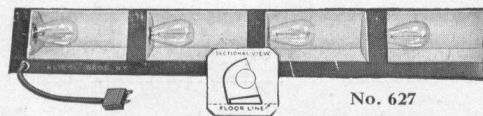
Listed by Underwriters' Laboratories

No.	Description
622	Single row open-trough type for 60- to 100-watt clear or naturally colored lamps; fitted with single row medium screw base receptacles.
624	Double-row open-trough type, similar to No. 622, but designed for a double row of lamps.
620	Single-row enclosed type with colored-glass roundels; for 100- or 150-watt clear lamps; fitted with a single row of medium screw base receptacles.
621	Double-row enclosed type, similar to No. 620, but designed for a double row of lamps.

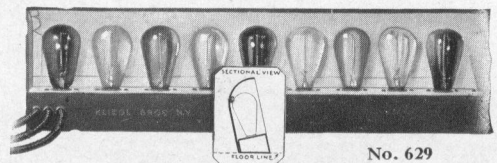
Prices on application; state length, number of colors, and size of lamps required.

Portable Type Footlights

For use where no permanent equipment of this character has been installed and footlights are temporarily required: as in hotels, clubs, schools, churches, et cetera. No recess in the floor is necessary. They set in position on the stage floor or platform. Made in two styles: one with a single 2-wire circuit, the other with three 2-wire circuits for white and color lighting. Generally furnished in 8-ft. sections, electrically coupled with connectors, and fed from one end.



No. 627



No. 629

KLIEGL PORTABLE TYPE FOOTLIGHTS

No.	Description
627	Open front compartment type; for one color; for 60- or 75-watt lamps.
629	Single-row open-trough type; for one to three colors; for 60- or 75-watt lamps.

Prices on application; give length, number of colors.

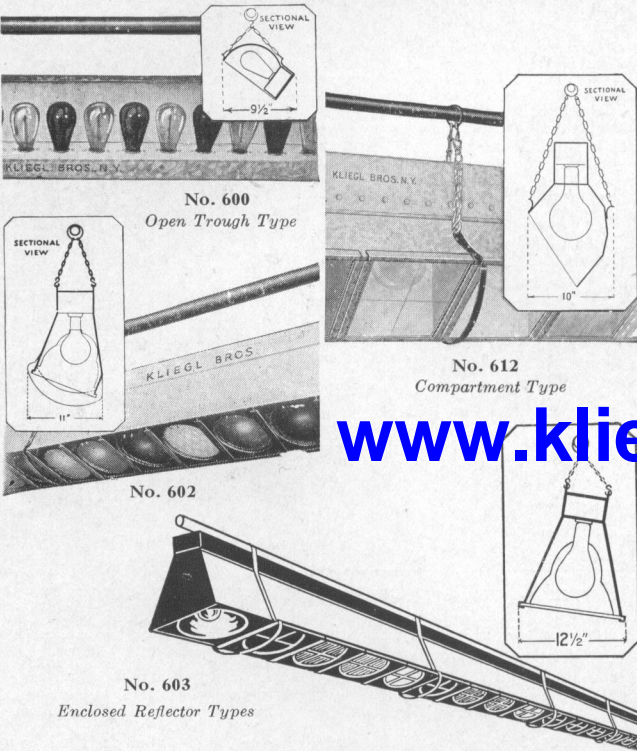
www.klieglbros.com

BORDERLIGHTS

All standard types and sizes; any form desired; to accommodate lamps ranging from 60- to 1000-watts. Completely wired, with circuits ending at a special terminal block in a splice box—at right or left end as specified. Furnished in one continuous length, or in sections; with chains and pipe batten for hanging. Comply with Underwriters' requirements.

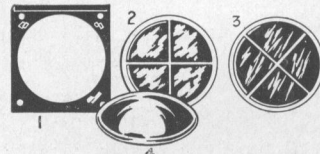
Permanent Type Borderlights

Designed for permanent stage lighting installations in theatres, schools, auditoriums, and wherever equipment of this character is required.



Enclosed Reflector Type Borderlights (Nos. 602, 603, and 604) are of the latest and most efficient design, affording maximum illumination combined with excellent color-lighting features. Each lamp has an individual aluminum acid-finish reflector, and slide grooves for color mediums; being furnished with a universal holder for metal frames with flat heat-resisting colored glass. Colored glass roundels or gelatine mediums can be used with the universal holder in place of the flat glass color screen if preferred. These borderlights are also provided with terminal blocks for cable connections.

Any one of three different types of color mediums here shown, may be used in the universal holder, with Borderlights numbered 602, 603 or 604. (1) universal holder (2) metal frame with flat heat-resisting colored glass insert (3) metal frame with gelatine color mediums (4) colored-glass roundel.



KLIEGL PERMANENT TYPE BORDERLIGHTS

Listed by Underwriters' Laboratories

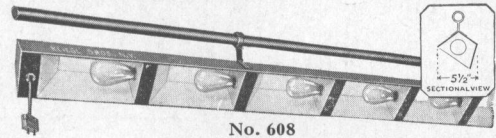
No.	Description
600	Open Trough Type: With single row of receptacles; for 60- to 100-clear or naturally-colored lamps.
612	Compartment Types: For 100- to 200-watt clear lamps; each lamp in a compartment, with slide grooves in front for metal frames for colored gelatine.
609	Enclosed Reflector Types: For 100-watt lamps; with individual reflectors and colored glass roundels; (color frames can not be used with this model).
610	For 150-watt lamps; otherwise same as No. 609.
602	For 200-watt lamps; with individual reflectors, universal holder for color mediums, and colored-glass roundels.
603	For 300- to 500-watt lamps; with individual reflectors, universal holder for color mediums, and metal frames with flat heat-resisting colored glass.
604	For 750- to 1000-watt lamps; otherwise same as No. 603.

Prices on application—state length of border, number of colors, and size of lamps required.

Extra Universal Holders for above—prices on application.
Colored glass roundels and inserts, see page 20.

Portable Type Borderlights

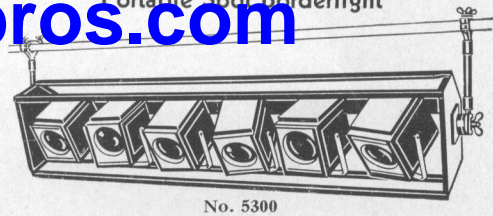
For use in hotels, schools, clubs, churches, etc.—where borderlights are temporarily needed. They are of compact light-weight construction, with single row of receptacles. Completely wired, for one or three circuits as mentioned. Provided with cable extensions and pin-plug connectors for making feeder connections. Supplied with suitable hangers. Furnished in the standard lengths as listed—also furnished in special lengths, or in several portable sections electrically coupled with connectors and fed from one end, if desired.



KLIEGL PORTABLE TYPE BORDERLIGHTS

No.	Description	Price
608	Open-front compartment type: For 60-, 75-, or 100-watt clear or naturally-colored lamps; 8-ft. section; 10 receptacles wired on one 2-wire circuit; furnished with pin-plug connector, also with 1" pipe batten and rigid strap iron hangers for suspension; wt. 32 lbs.	\$40.00
6028	Enclosed Reflector types: For 200-watt lamps; 8-ft. section; 12 receptacles, in aluminum acid-finish reflectors, wired on three 2-wire circuits; furnished with adjustable pipe clamps, complete with three connectors, and twelve color frames for gelatine mediums; wt. 58 lbs.	98.00
6036	For 500-watt lamps; 6-ft. section; 6 receptacles, and six color frames—otherwise same as No. 6028; wt. 39 lbs.	68.00

Portable Spot Borderlight



A group assembly of six Kliegl incandescent spotlights in a suitable frame, individually mounted so that each spotlight can be independently directed and focused; and separately wired for individual light control.
No. 5300—Kliegl Spot Borderlight, furnished complete with six No. 53 spotlights, two adjustable brackets with pipe clamps, and a 6-ft. pipe batten. Each spotlight complete, wired with two asbestos leads and No. 1950 pin-plug connector attached; and supplied with a metal color frame for gelatine mediums. Weight 84 lbs. Price \$85.00.

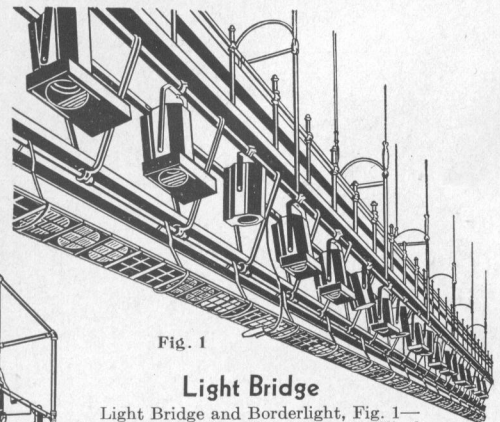


Fig. 1

Light Bridge

Light Bridge and Borderlight, Fig. 1—equipped with No. 1176 2000-watt Kliegl spotlights with selsyn-operated color frames; and No. 603 reflector type Kliegl borderlight—like those installed in the Radio City Music Hall, New York. Prices on application.

Light Towers

Portable light towers, like the one here shown (Fig. 2) as used in Radio City Music Hall, on both sides of the stage; equipped with any grouping of Kliegl arc and incandescent spotlights or other lighting units desired—can be furnished to specifications. Prices on application.

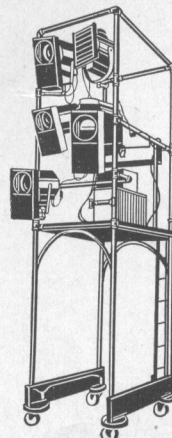


Fig. 2

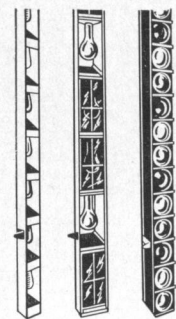
www.klieglbros.com

PROSCENIUM LIGHTS

Provide the additional illumination at the first entrance generally required on a large stage. Available in several different designs, somewhat similar to borderlights in their general construction. Furnished completely wired. Have a splice box at one end for conveniently making connections. Are provided with strap hinges for mounting on proscenium wall, permitting angular variation in direction of light. Comply with Underwriters' requirements.



Fig. 3



No. 591—No. 594—No. 597

Kliegl spotlights with selsyn-operated color frames (Fig. 3) are now used extensively as proscenium lights, grouped and mounted on a vertical support, on each side of the proscenium arch, and can be furnished for any arrangement desired—also, standard Kliegl spotlights without automatically controlled color frames, are available for this purpose.

KLIEGL PROSCENIUM LIGHTS

No.	Description
591	Open-front compartment type: For 60- to 100-watt clear or naturally-colored lamps; spaced 8" on centers; reflecting surfaces painted white.
594	Compartment type: With color frames—for 150-, or 200-watt clear lamps; spaced 10½" on centers; reflecting surfaces painted white; furnished with color frames for gelatine surfaces.
597	Enclosed Reflector type: For either roundels or color frames—for 200-watt lamps; spaced 7" on centers; each with an individual aluminum reflector, and furnished with clear or colored-glass roundels. Slide grooves also provided to receive metal frames with gelatine color mediums when required.
598	For roundels only; and for 100- or 150-watt lamps; otherwise same as No. 597.
599	For roundels only; and for 40- or 60-watt lamps; otherwise same as No. 597.

Prices on application; specify type, length, and number of lights, per foot required.

SPOTLIGHTS

Every conceivable form, in all sizes, in both arc and incandescent types; substantially constructed, portable, and properly designed for flexibility, ease of adjustment, adequate ventilation, and correct lighting at maximum efficiency. Comply with Underwriters' requirements.

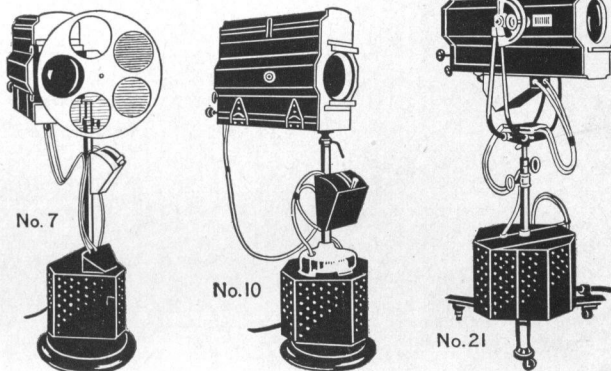
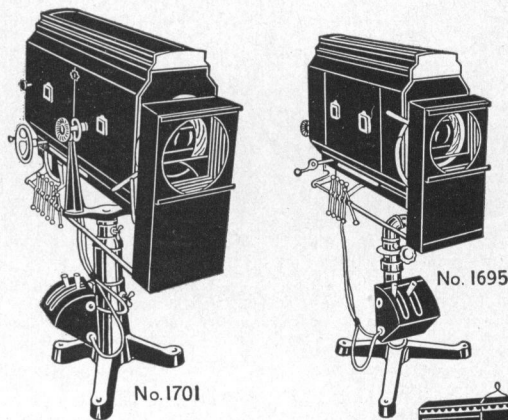
Arc Spotlights

Consist essentially of a hand-feed arc lamp, in a suitably enclosed housing fitted with a condensing lens and slide grooves for color frames; mounted on a telescopic pedestal stand. They are particularly desirable where light of the very highest intensity or exceptionally long distance projection is required. Made in various types for all projection ranges up to 200 ft.; in a complete selection of sizes from 25- to 140-amperes, for 125-volts, direct or alternating current. Furnished complete with fixed resistance, enclosed switch, and stage cable. Several of the larger sizes are furnished with combination automatic and hand-feed arc lamps, and supplied with or without separate resistance units. They all give a concentrated or wide spread light beam, as desired.

No. 6—Standard-range arc spotlight for stage use and general applications. Average working range any distance up to 50 feet. Beam adjustments at 50 ft. from a 5 ft. spot to a 50 ft. floor. Fitted with 25-ampere 125-volt arc lamp, mounted on slide rails, with arm extending through rear of hood for focusing. Carbons fed by knob under hood. Six inch condensing lens in front of housing, and slide grooves to receive color frames, color wheels, and effect attachments. Hood adjustably mounted on a telescopic iron pedestal stand. Fixed resistance mounted on base of stand. Furnished complete, as described and listed, with asbestos covered leads, enclosed switch, and 25 ft. of stage cable.

No. 7—same spotlight as No. 6, above described, except it is supplied with Color Wheel No. 22, as additional equipment.

No. 9—Long-range large-beam arc spotlight, particularly designed for spot-flood-lighting where a large amount of light is needed—at average working distances from 35- to 100 feet, giving beam adjustments from a 5 ft. spot to 50 ft. floor, at 100 feet. Fitted with a 35-ampere hand-feed arc lamp mounted on slide rails, with focusing arm and control for feeding the arc, extending through rear of hood. Equipped with 6" condensing lens, and slide grooves for color frames, color wheels, and effect attachments. Lamp housing adjustably mounted on a telescopic iron pedestal stand. An enclosed fixed resistance is mounted on pedestal base. Furnished complete, as described and listed,



with asbestos covered leads, enclosed switch, and 25 ft. of stage cable.

Nos. 10, 11, and 18—similar in design to No. 9, above described, except for their greater current rating. Also Nos. 9 and 10 are of single wall construction, whereas Nos. 11 and 18 have a double-wall type of construction which insures a more rapid dissipation of the heat required for the higher amperage arc lamps. And No. 11 spotlight resistance is additionally provided with a selective switch so that arc can be operated at either 35- or 70-amperes.

No. 21—Long-range high-power arc spotlight primarily designed for motion-picture photographic studios, gives an abundance of light of high intensity. When used in motion picture studio work, where average working distances range from 10 to 125 feet, it focuses from 3 ft. head spot to a 25 ft. spread at 125 feet, and follows with remarkable ease. It is fitted with a 120-ampere hand-feed arc lamp, specially constructed to accommodate large-sized carbons, can be quickly focused and adjustments of the arc made smoothly and easily. Lamp housing is light tight, thoroughly ventilated, and double lined with asbestos. An 8" condensing lens is fitted in front of housing; and slide grooves are provided to accommodate diffusing screens, iris shutters, color mediums, special effects, and other similar attachments.

All controls are located at the rear of the spotlight. Main switch is enclosed and mounted under the hood. Spotlight is perfectly balanced and adjustably mounted on a telescopic pedestal stand, can be swung easily in any direction. Lamp housing and yoke are removable from pedestal, and plug connector permits hood to be detached from stand, for use aloft, with a cable extension from rheostat to spotlight. Floor stand is fitted with ball-bearing rubber-tired casters so that it can be moved about easily and noiselessly. An enclosed fixed resistance, in series with the arc, is mounted on the base, and is provided with two single-pole knife switches permitting apparatus to be used at 60- and 90-amperes as well as at 120-amperes—arc can be started at low current and held at that setting until full strength is required. It is furnished complete, as described and listed, with asbestos covered leads, and 25 ft. of stage cable.

No. 1695—Powerful long-throw arc spotlight for long distance projection in theatres—from balcony, gallery, or motion-picture booth; and for lighting a large stage from the light bridge, fly gallery, or light tower. Provided with every facility for white lighting, color lighting, framing, fading, and standard spotlight attachments and effects. Working range, any distance up to 150 feet. Beam spread 4 ft. spot to 70 ft. distance.

Light source is a 100-ampere hand-feed arc lamp of improved design, mounted on slide rails, with arc controls extending through rear of hood, and lever arm on side for focusing. Lamp housing ventilating arrangement prevents outer walls from becoming unbearably hot. Double wall type of construction is used, and the heat of the arc is rapidly dissipated. Special patented louver air vent in the top of the housing permits direct draft to be accomplished, without light leakage.

An 8" condensing lens is fitted in the front casing. Five color frames are provided for changing the color of the light beam, in a color box, permanently mounted on the front of the spotlight, and operated by levers located near the rear of the hood. Each color frame has its individual lever, marked to designate the color it controls. Standard color frames are used; they are simply slipped into the guides, and may be quickly and easily changed if desirable. An iris shutter is part of the permanent equipment, operated by a handle at the back of the spotlight, and by an auxiliary handle on the side near the front of the spotlight. A curtain shutter is also part of its equipment, operated by a handle at the rear of the spotlight. Slide grooves are provided on the front of the color box for an extra color frame, color wheel, special effects, and spotlight attachments.

All controls are conveniently centralized at the rear of the spotlight to facilitate operations. Enclosed knife switch on pedestal controls main circuit. Marked scales and dials are provided for the assistance of the operator. Hood is perfectly counter-balanced so that it swings easily regardless of its

position, and is supported on a special tubular bracket mounted on a heavy cast iron base. The spotlight is furnished complete, as described and listed; with asbestos covered leads connected to switch (no resistance or stage cable).
 A resistance for connection in series with the arc, when ordered, is supplied as a separate unit, so that it may be mounted back of the switchboard or in some other out-of-the-way location.

No. 1701—An exceptionally-powerful, long-range arc spotlight, especially designed for light projection from motion-picture booths in large theatres. Average working distances from 100 to 200 feet. Gives from a 4 ft. spot to 100 ft. spread at 150 ft.—a sufficiently wide spread to cover the widest stage. Has an exceptionally large lens, and projects an intensely brilliant, evenly illuminated spot or flood of light. Provides in a single compact unit everything required for white and color lighting, framing, fading, and fittings for standard spotlight effect attachments. Operates at high efficiency, and is designed to meet every possible service requirement.

It is fitted with a 140-ampere hand-and-automatic-feed arc lamp, and provided with controls that permit smooth and speedy adjustments of the arc and carbons in every way possibly required. Motor-driven mechanism automatically regulates arc when lamp is in operation, and allows hand regulation when desired. Arc lamp is mounted on a movable carriage, and for focusing the light from a spot to a flood. A hand wheel controls the movement of the carriage. A pointer moves over a numbered dial—indicating the position of the lamp.

Lamp housing is perfectly balanced and so supported as to allow the greatest freedom and flexibility in handling. A double-wall type of construction is used, with ducts and numerous vents to promote a rapid circulation of air, dissipate the heat of the arc, insure comparatively cool operation without light leakage. It is equipped with a 10" diameter lens of special heat-resisting glass. A boomerang for six different changes in color is permanently attached to front of spotlight—removable color frames which slide in vertical guide-ways, and are operated by levers extending along the side of the spotlight—a separate lever for each color frame, keyed to correspond with the color it controls.

Slide grooves on front of the color box, accommodate an extra color frame, color wheels, special effects, and other standard spotlight attachments. An iris shutter is also part of its equipment—positioned in front of the lens, operated by a handle at the back of the spotlight. A curtain shutter is also provided and operated by a handle at the rear of the spotlight.

The spotlight is flexibly mounted on a heavy telescopic-pedestal stand, supported at a point corresponding with the center balance, with means for quickly and easily tilting and turning the spotlight to any position within practical requirements, and having the spotlight placed in any position which is sufficiently massive to provide the usual stability and freedom from vibration.

All controls are centralized at or near the rear of the spotlight. Marked scales and dial pointers are provided for the assistance of the operator—one set indicating the horizontal motion of the hood, another its vertical motion, and a third shows the position of the arc—thus allowing the operator to set his lamp for any degree spot, and at exactly the desired position.

The spotlight is furnished complete, as described and listed, with armored covered leads and 150-ampere booster switch (no cable or rheostat). It is furnished with controls on the right hand side, as pictured (unless otherwise requested) and with a motor-driven automatic arc feed attachment.

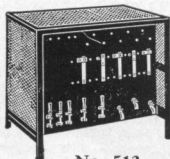
When ordered, a resistance for connection in series with the arc, is supplied separately so that it may be mounted back of the switchboard or in some other out-of-the-way location.

KLIEGL ARC SPOTLIGHTS

No.	Rating		Lens Dia.	Weight Lbs.	Price
	Amp.	Volts			
6	25	125	6"	63	\$59.00
7*	25	125	6"	65	64.50
9	35	125	6"	70	69.00
10	50	125	6"	96	92.00
11	70	125	6"	101	120.00
18	70	125	8"	115	150.00
21	120	125	8"	200	250.00
1695	100	125	8"	201	320.00†
1701	140	125	10"	347	600.00†

* No 6 spotlight supplied with color wheel No. 22.

† This price does not include rheostat.



No. 513

RHEOSTATS

for Kliegl Arc Spotlights Nos. 1695 and 1701. With ribbon resistance—designed for use with 55-volts across the arc.

No.	Rating		Dimensions			Weight Lbs.	Price
	Amp.	Volts	Width	Depth	Height		
513	60-120	100	22 1/2"	15"	29"	65	\$92.00
514	60-120	115	22 1/2"	17 1/2"	29"	65	98.00
515	60-150	100	26 1/2"	17 1/2"	29"	75	107.00
516	60-150	115	26 1/2"	21"	29"	75	118.00

Note: First two listed are for use with arc spotlight No. 1695; last two, for spotlight No. 1701.

Incandescent Spotlights

Accommodate concentrated filament incandescent lamps; are universal in character; adaptable for practically all purposes where spotlighting is required. Compact in design and light in weight, they are easily handled or mounted, and operate equally well on alternating or direct current. They may be controlled from a distant point, and can be used in conjunction with dimmers, if desired—permitting the intensity of the light to be accurately controlled, and admit a gradual blending or quick change of colors. Motor-driven color wheels and other electrical devices can be used as auxiliaries, and incandescent spotlights may be wired for individual, selective, or group control from a central point. They are especially useful in theatres, and well adapted for schools, churches, club rooms, auditoriums, ball rooms, show windows, photographic studios—in fact wherever spotlighting is required.

Kliegl incandescent spotlights are made in a very complete selection of types and sizes, ranging from 75- to 2000-watts, and may be had with various kinds of supports; pipe clamps, wall brackets, table bases, or floor stands—as herein described.

75 - 500 WATTS



No. 276—Picture-lighting miniature incandescent spotlight for a 75-watt lamp, especially designed to project a relatively narrow beam of light—having all the features of regular models, and additionally equipped with adjustable framing shutters which allow regulation of size and shape of the light beam. Useful for lighting pictures, statuary, and other articles of decoration; also for effect lighting and other scientific, commercial, and artistic purposes. Has a working range up to 20 feet, giving a maximum beam spread of 7 feet at this distance. The diameter of the beam can be varied from pin point to full lens opening, with a corresponding variation in the size of spot, from 1/16 of an inch to full 7 ft. spread. Illuminated area can be framed in square, rectangular, triangular or fantastic designs. Fitted with condensing and objective lenses, mounted in suitable carrier, adjustable for focusing. Four adjustable brass slides, mounted in slots in lens carrier, permit light area to be framed as mentioned. A reflector is mounted back of the lamp. Overall dimensions 6 1/2" high, 7 1/2" long, 4 1/2" wide. Furnished complete, as described, with lenses, framing shutter, 9 ft. rubber-covered extension cord, and attachment plug. Modifications can be made in their design, on order, to meet special needs—as for the projection of picture slides, announcements, and other images. No. 276A is of the same design, but for a 100-watt lamp, and correspondingly larger dimensions.

No. 276B—Similar in design and purpose to No. 276, above described, except that it is made to accommodate a 250- or 400-watt lamp, and has a correspondingly greater working range and beam spread, and is naturally of larger dimensions.

No. 53—Small inexpensive short-range general utility incandescent spotlight for use where mild intensity is desired—for projection distances up to 25 ft.; focuses from a concentrated spot 4 ft. in diameter to a flood 10 ft. wide, at a distance of 25 feet.

Accommodate a 250- or 400-watt lamp. Equipped with a medium screw base lamp receptacle—adjustable for focusing; and a condensing lens. The reflector and holder are not generally furnished, but can be supplied; a 2 5/8" dia. (No. 927R) rhodium GRC metal reflector with No. 927F holder, for mounting back of the lamp, to increase the light volume, if required. Slide grooves for color frames are provided on front; and a removable metal color frame (No. 574) for gelatine mediums, is furnished with each spotlight. A movable yoke attached to lamp housing, serves as an angular adjustment and support when spotlight rests on a flat surface, and as a cradle-arm when suspended. Also supplied with various mountings—wall bracket, table base, floor stand, or pipe clamp—as listed.

No. 53S—Similar to No. 53 above described, except it is additionally provided with adjustable shutters for framing the lighted area. Useful for picture lighting and similar applications.

No. 5310—Similar to No. 53 above described, except it has a longer hood, intended for applications where a longer throw and relatively narrow beam of light is required—also supplied with various mountings as listed.

No. 66A—Small incandescent spotlight for general use where a relatively small area is to be illuminated from comparatively short distances of 10 to 20 feet—gives a 6 ft. spot or 25 ft. spread at 20 ft. distance. Takes a 250- or 400-watt G30 lamp. Is fitted with a medium screw base receptacle fixed in

position (lens holder adjustable for focusing). A condensing lens is mounted in a telescopic holder attached to front of housing. Reflector is not part of its standard equipment—but a 2 3/8" dia. (No. 927R) rhodium GRC metal reflector with No. 927F holder can be furnished for mounting back of the lamp, to increase the light volume, if desired. Special color frames (No. 27) for gelatine mediums can also be supplied, on order. Provided with lug and thumb screw for swivel mounting, and supplied with wall bracket. Furnished complete, except for lamp, with 5 ft. extension cord and attachment plug.

No. 61A—Compact, light-weight incandescent spotlight for short-range spot and flood lighting. Provides a mild ray of light with strong bright center fading at edges. Working range, any distance up to 30 ft.; gives a 5 ft. spot or 30 ft. spread at this distance. A comparatively inexpensive, general all around spotlight; particularly recommended for use with revolving crystal showers. Accommodates a 400-watt lamp. Equipped with a medium screw base receptacle—mounted on adjustable slide for focusing. Lamp housing has slide grooves on front for color frames or color wheels. A condensing lens is fitted in the front casing, and a rhodium GRC metal reflector, 2 3/8" dia. (No. 927R) with No. 927F holder, is mounted on receptacle base, back of the lamp. Adjustably mounted, and supplied with a wall bracket. Furnished complete, as described, with 5 ft. extension cord and attachment plugs. Lamp extra. No. 61C is the same as No. 61A, except furnished with floor stand and 25 ft. cable.

No. 62—Wide-spread close-range incandescent spotlight. Takes a 400-watt lamp. Is fitted with a medium screw base lamp receptacle—adjustable for focusing. Lamp housing fitted with slide grooves for color frames—with removable front, permitting it to be used as a floodlight. A condensing lens is supported in the removable front; and a rhodium GRC metal reflector, 2 3/8" dia. (No. 927R) is mounted back of the lamp. Provided with a universal support, and supplied with a pipe clamp. Furnished complete, except for lamp, as described and listed; with asbestos covered leads (or 5 ft. extension cord and attachment plug, if specified) and removable metal frame (No. 575) for gelatine color mediums.

No. 43A—Extremely wide-spread short-range spot-flood light. Gives a 20 ft. spread of light, at 15 ft. distance, spread is variable from 5 to 10 ft. Projects a diffused light with an intense center. Splendid unit for use where a directional diffused light of high intensity is required. Takes a 500-watt T20 lamp. Is fitted with a medium-screw base lamp receptacle—adjustable for focusing. Lamp housing fitted with slide grooves for color frames. Provided with a 6 1/2" square, concentric prismatic glass lens—which is removable, being held in place by slide groove on front of housing. A rhodium GRC metal reflector, 2 3/8" dia. (No. 927R) is mounted back of the lamp. Universal support permits spotlight to be swung in any direction. Supplied with wall bracket. Furnished complete, except for lamp, as described, with 5 ft. extension cord and attachment plug, and a removable metal frame for gelatine color mediums.

KLIEGL INCANDESCENT SPOTLIGHTS
For 75- to 500-watt Lamps

No.	Lens Dia.	Lamp			Mounting	Wt. lbs.	Price
		Watts	Bulb	Base			
276	4 1/2"	75	G16 1/2	Prong	Table Base	2	\$22.00*
276A		100	P25	Md. Sc.	Table Base	3	22.00*
276B		250-400	G30	Md. Sc.	Table Base	14	35.00
53	4 1/2"	250-400	G30	Md. Sc.	Yoke Only	5	10.00
53A					Wall Bracket	6	12.00
53B					Table Base	12 1/4	12.00
53C					Floor Stand	17 3/4	15.00
53E					Pipe Clamp	6 3/4	12.00
53S					Yoke and Shutter	6	15.00
5310	4 1/2"	400	G30	Md. Sc.	Yoke Only	6	12.00
5310A					Wall Bracket	7	14.00
5310B					Table Base	13	14.00
5310C					Floor Stand	18 1/2	17.00
5310E					Pipe Clamp	7	14.00
66A	3 1/2"	250-400	G30	Md. Sc.	Wall Bracket	4 1/2	16.00
61A	5"	400	G30	Md. Sc.	Wall Bracket	10	22.00
61C	5"	400	G30	Md. Sc.	Floor Stand	24	28.00
62	4 1/2"	400	G30	Md. Sc.	Pipe Clamp	8	22.00
43A	6 1/2" sq.	500	T20	Md. Sc.	Wall Bracket	5	16.50

* Lamp included—otherwise prices do not include lamps.

1000-watt lamp. Is equipped with a mogul prefocus base lamp receptacle, on a sliding carriage, with extension and wing nut on side for focusing. Fitted with a 6" condensing lens—and when so ordered, can be furnished with lens adaptor, for a 5" dia. lens, to produce a smaller-sized spot. Has a first surface rhodium GRC metal mirror reflector (No. 931R), mounted back of the lamp. Provided with slide grooves on front of housing, to receive color frames and color wheels. Hood sets in a yoke, supported in trunnion and swivel bearings, permitting spotlight to swing in any direction. Several different types of mountings—pipe clamp, wall bracket, table base, or telescopic-pedestal floor stand—are available as listed. Furnished complete, except for lamp, as described, with two asbestos leads. When furnished with floor stand, pin-plug connector (No. 955AC) and 25 ft. of stage cable are also supplied.

Nos. 71 and 74—Intermediate long-range high power incandescent spotlights—somewhat similar in design to No. 70, above described, but made to accommodate larger lamps and larger lenses as listed. They project a brilliant spot of light any distance up to 100 feet, and when used for flood-lighting, give a wide spread of evenly diffused light. Average working distances from 35 to 60 feet. Give a 6 ft. spot and 35 ft. spread at 60 feet. Accommodate a 2000-watt lamp; are equipped with a mogul prefocus base lamp receptacle, on a sliding carriage, adjustable for focusing. Lamp housing has ample provisions for free circulation of air through lamp chamber to insure cool operation. Fitted with a condensing lens in a special mounting, allowing for unrestricted expansion. A first surface rhodium GRC metal mirror reflector (No. 931R) is mounted back of the lamp; and slide grooves are provided for color frames and color wheels. Is supported by trunnion and swivel bearings, in a yoke permitting universal direction; and supplied with pipe clamp, wall bracket, or table base—as listed. Furnished complete, except for lamp, as described, with two No. 14 asbestos leads, 2 ft. in length.

No. 6N14—Long-range incandescent spotlight, operating range any distance from 50 to 100 feet, focuses from a 6 ft. spot to a 50 ft. spread at 100 feet. Takes a 2000-watt G48 lamp, and is equipped with a mogul prefocus base receptacle, on a sliding carriage, with means for focusing. Lamp housing has special double ventilating system of air cooling. A first surface rhodium GRC metal mirror reflector (No. 931R) is mounted on the focusing arm back of the lamp. Slide grooves are provided for color frames, color wheels, and effect attachments. Spotlight is adjustably mounted on a telescopic-pedestal stand, with a heavy, round, cast-iron base. Furnished complete, except for lamp, as described and listed, with asbestos covered leads, No. 955 pin-plug connector, and 25 ft. of No. 12 stage cable.

Nos. 6N19 and 8N20—Are of the same design as No. 6N14, above described—but have longer hoods and larger lens, as listed—for especially long range projection.

No. 8N24—High-intensity long-range incandescent spotlight, particularly designed for photographic studio work. Projects a concentrated beam of light any distance up to 100 feet; gives a 5 ft. spot or 60 ft. spread at this distance—or from a 4 ft. spot to 30 ft. spread at half the distance. Takes a 2000-watt G-48 lamp; is equipped with a mogul prefocus base receptacle—mounted on a sliding carriage, with rod extending through rear of housing for focusing. Condensing lens is supported in a special frame designed to allow unrestricted expansion; and a mirrored-glass reflector (No. 934) is mounted back of the lamp to intensify the light beam. Slide grooves are provided on front for holding an iris shutter, or other devices used in obtaining special lighting effects. Hood is flexibly mounted on a telescopic-pedestal stand. Base is fitted with ball-bearing rubber-tired casters, permitting it to roll easily over the floor. Furnished complete, except for lamp, as described, with asbestos leads, enclosed switch (on back of hood) and 25 ft. of rubber-covered cable. Illustration on page 11.

KLIEGL INCANDESCENT SPOTLIGHTS
For 1000- to 2000-Watt Lamps

No.	Lens Dia.	Lamp			Mounting	Wt. lbs.	Price†
		Watts	Bulb	Base			
70	6"	1000	G40	Mg. Pf.	Pipe Clamp	14	\$33.00
70A					Wall Bracket	14	33.00*
70B					Table Base	18 1/2	33.00
70C					Floor Stand	36	39.50
71					6"	2000	G48	Mg. Pf.	Pipe Clamp	20	37.00
74	8"	2000	G48	Mg. Pf.	Pipe Clamp	28	44.50
6N14	6"	2000	G48	Mg. Pf.	Floor Stand	44	43.00
6N19	6"	2000	G48	Mg. Pf.	Floor Stand	58	50.00
8N20	8"	2000	G48	Mg. Pf.	Floor Stand	59	66.00
8N24	8"	2000	G48	Mg. Pf.	Floor Stand with casters	63	70.00

† Prices do not include lamps.

* Spotlight 70A additionally equipped with automatic Color Wheel No. 31 AC—PRICE \$73.00.

Spotlights can be furnished with screw base instead of prefocus base lamp receptacles—when so ordered.

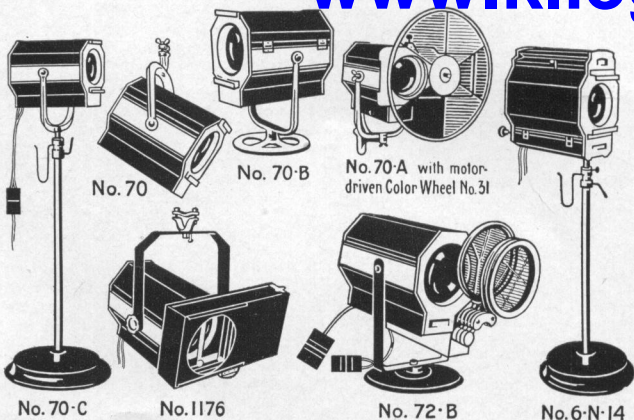
Remote-Control Color Changing Spotlights

Incandescent spotlights with electro-magnetically operated color frames permit entire service of spotlight, including white lighting, color changing, and dimming, all to be controlled from a distant point. May be used for working distances up to 100 feet. When operating from an average distance of 75 feet, they give a 6 ft. spot and a 35 ft. spread. Four color frames on spotlight admit of varying color schemes—since each color frame is independently operated, two or more color frames may be used at one time, obtaining a blending of colors; as amber and red for producing orange, thus further extending the wide range of colors available. Where a number of these spotlights are installed they may be so wired that each spotlight and each color frame is individually controlled, or wired in multiple so that all spotlights or any selected group may be operated simultaneously—operations being performed through the medium of a selective control board.

No. 72B—Spotlight is equipped with a mogul prefocus base receptacle on sliding carriage, with extension wing nut on side for focusing; and accommodates a 2000-watt G48 lamp. Housing has ample provisions for free circulation of air through lamp chamber to insure cool operation. Condensing lens

1000 - 2000 WATT SPOTLIGHTS

www.klieglbros.com



No. 70—Standard-range incandescent spotlight for working distances up to 40 feet; gives a 5 ft. spot and 35 ft. spread at this distance. Comparatively inexpensive, general utility spotlight of reasonably high power. Takes a

is mounted in an aluminum ring, fitted to front of housing. A first surface rhodium GRC metal mirror reflector (No. 931R) is mounted back of the lamp. Four light circular metal color frames for gelatine mediums, are mounted on movable arms in front of the spotlight, and operated by magnetically controlled levers. The color frame control magnets are mounted in a casing on the side of the spotlight. A separate magnet controls each color frame. Spotlight is adjustably mounted on a pivot bearing on a round base, as shown, other types of mounting, if required. Furnished complete, as described and listed, with two asbestos leads 2 ft. in length, and a 2-point pin-plug connector (No. 955AC) attached, also with 3 ft. of 5-conductor cable and a 5-point No. 5950 connector.

Nos. 72B, 73B, 1172B, and 1173B—Are all of the same design, except for size of lens and current characteristics as indicated in listing.

No. 1176—Where the utmost accuracy in varying the speed of the color-frame is desired, the above described spotlights are furnished equipped with AC synchronous motors which take the place of the magnets. This type is provided with four square shaped color frames, in a color box on front of the spotlight, as shown. A Selsyn master motor is located on the control board, and each spotlight is fitted with a Selsyn motor for each color frame, which operates in synchronism with the master. See listing for details of lens size and mounting.

KLIEGL INCANDESCENT SPOTLIGHTS
with automatically-operated color frames

No.	Lens Dia.	Lamp			Mounting	Weight lbs.	Price
		Watts	Bulb	Base*			
Magnet Controls and Circular Color Frames, for D. C.							
72B	6"	2000	G48	Mg. Pf.	Table Base	74	\$150.00
73B	8"	2000	G48	Mg. Pf.	Table Base	77	160.00
Magnet Controls and Circular Color Frames, for A. C.							
1172B	6"	2000	G48	Mg. Pf.	Table Base	78	165.00
1173B	8"	2000	G48	Mg. Pf.	Table Base	84	175.00
Synchronous Motor Controls and Square Color Frames, for A. C.							
1176	8"	2000	G48	Mg. Pf.	Pipe Clamp	86	350.00
1176B	8"	2000	G48	Mg. Pf.	Table Base	100	350.00

Lamps not included in list prices.
Note: When ordering, please specify with product name the type of their intended location, whether they are to be placed on the right or left hand side (viewed from the stage facing the audience).

* Mogul screw base receptacles can be furnished on request.

Photo-cell Spotlights

Designed for use with photo-electric cells. Provides a concentrated beam of light of sufficient intensity to actuate a photo-cell from a considerable distance. Is effective for many commercial and experimental purposes in which photo-electric cells are employed, such as counting systems, protective devices, smoke flue detectors, electric controls, and a numerous variety of other applications.

No. 277—A compact photo-cell spotlight recommended for distances up to 8 ft. Its narrow width permits mounting in window jambs, elevators, and other automatic door-opening equipment, and it is particularly effective for passage-way counter installations.

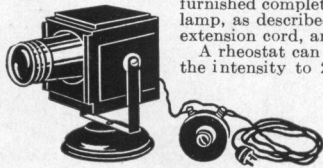
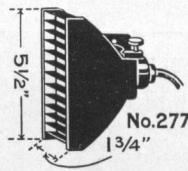
It gives a 5" spot at 6 ft. distance, with approximately 250 foot-candles when using a 6 volt 50 candle-power lamp—burning at 4.5 volts. A transformer† can be furnished to reduce the voltage, so that lamp burns at 4.5 volts—sufficient for the purpose, and to increase the life of the lamp.

The spotlight is furnished with a louvre front, adjustable socket, lamp, and 5 ft. extension cord.

No. 279—Projects a narrow beam of light giving a spot two inches in diameter, with 900 foot-candles intensity, at a distance of 10 feet. It is furnished complete with a 100-watt T 8½ prefocus base lamp, as described and listed, with a table base, 8 feet extension cord, and attachment plug.

A rheostat can be provided, when ordered, to reduce the intensity to 250 foot-candles—the value at which the photo-cell operates. The life of the lamp is thereby increased to approximately 1200 hours.

Special units can be furnished with a greater projection range, if required. Prices on application.



No. 279

KLIEGL PHOTO-CELL SPOTLIGHT

No.	Lamp	Mounting	Weight	Price Including Lamp
277	6 volt; 50 candle power; bayonet base	Wall	½ lb.	\$11.00†
279	115 volt; 100 watt, T 8½; Md. Pf. base	Table Base	7 lbs.	26.00*

† Transformer extra \$3.00.

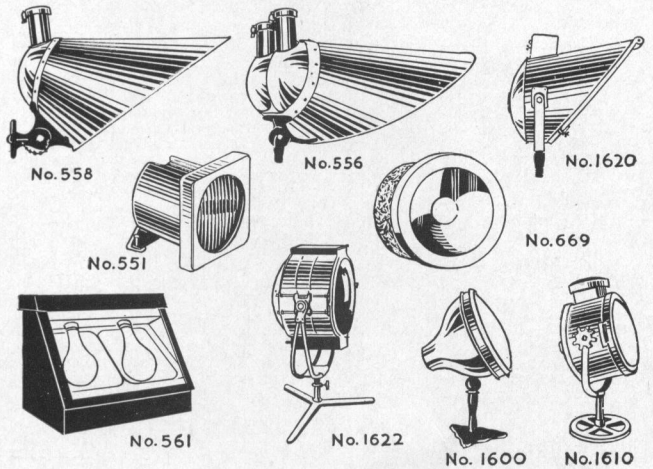
* Rheostat extra \$4.00.

FLOODLIGHTS

Complete selection of floodlights of every description for both exterior and interior applications; classified for convenient reference under the headings of Outdoor Floodlights and Indoor Floodlights—but many of the outdoor units are suitable for use indoors, and vice versa—depending on particular conditions and requirements.

Outdoor Floodlights

In various types for close or long-range floodlighting; concentrated or wide beam; normal or exceptionally brilliant illumination; substantially constructed; weatherproof and designed to give effective and proper distribution of light.



KLIEGL OUTDOOR FLOODLIGHTS

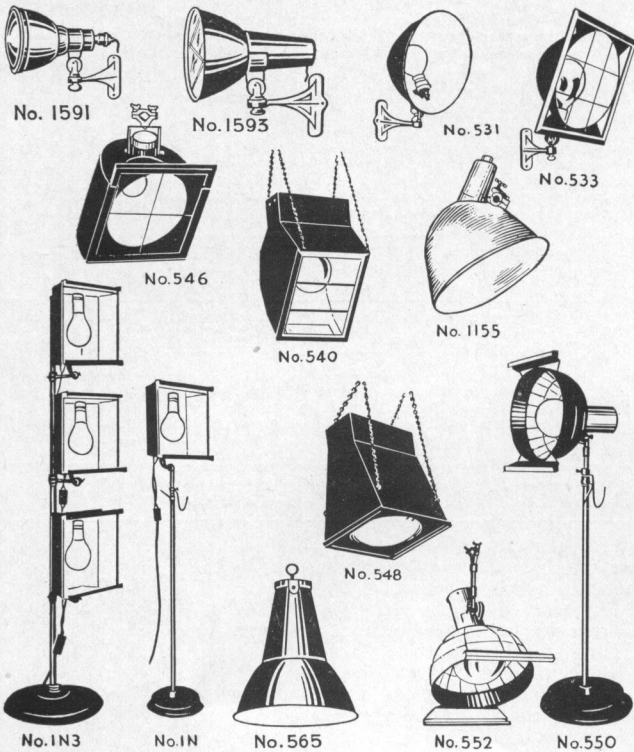
No.	Description	Price
558	Wide-spread long-range flood light for one 1000-watt P.S. lamp; made of aluminum with everlasting reflecting surface that requires no painting or expensive upkeep. Projects an evenly diffused bright light over a large area for a long distance. Suitable for floodlighting large open spaces. Furnished with either adjustable bracket for flat surface mounting, or pipe adaptor, as preferred. Weight 12 lbs.	\$40.00
556	Wide-spread long-range floodlight for two 1000-watt P.S. lamps; otherwise same as No. 558. Weight 24 lbs.	100.00
557	Wide-spread long-range floodlight, similar to No. 558, but of smaller proportions, for 1000-watt P.S. lamp. Weight 8½ lbs.	28.00
1620	High-intensity extra-long-range floodlight for one 1000- or 1500-watt P. S. lamp; with focusing device; 16" mirrored-glass reflector; and hinged front frame with 24" flat glass lens. All-aluminum housing. Weight 38 lbs. Especially suitable for golf-driving fairways and the like.	110.00
1600	Close-range wide-spread floodlight for 500- or 1000-watt G48 lamp. Spun aluminum housing; 10¾" parabolic mirror; adjustable focus; glass front; and mounted on short stand. Weight 10 lbs.	30.00
1610	High-intensity concentrated beam long-range floodlight for one 1000-watt P. S. lamp; with 13¾" mirrored-glass reflector; adjustable focus; clear-glass front lens in hinged frame; housing of cast aluminum and sheet metal; mounted in a swivel yoke on short stand. Weight 31 lbs.	50.00
1622	Powerful long-range concentrated beam floodlight, for one 2000-watt G48 lamp; adjustable focus; with 19" mirrored-glass reflector, and clear glass front in hinged frame, housing of sheet metal and cast aluminum; mounted in a swivel yoke, on a short stand. Weight, 80 lbs.	150.00
561	Extremely wide-spread close-range floodlight, for two 500-watt P. S. lamps; with all-metal silvered reflectors, adjustable to suit projection requirements. Sheet-metal enclosure, with inclined front and glass face. Weight, 23 lbs.	45.00
551	Underwater floodlight for one 250- or 400-watt G lamp. Chromium-plated reflector. Cast-bronze casing with removable front, and spread type glass lens. Watertight construction. Suitable for underwater installations in side walls of swimming pools—fits in recess 9" square. Weight, 28 lbs.	60.00
669	Vapor and waterproof floodlight for one 150-watt P. S. lamp. Round sheet-iron box 12" diameter 8" deep, with aluminum reflector and removable cast-aluminum front with clear glass face. Especially suited for flush mounting in garage wall to illuminate under-bodies of cars being cleaned or repaired—and similar applications. Weight, 7 lbs.	28.00

List price does not include lamp.

www.klieglbros.com

Indoor Floodlights

For all purposes of indoor floodlighting—various types for stage, theatre, studio, show windows, display rooms, exhibits, etc.—in a complete range of sizes for lamps from 200- to 1500-watts.

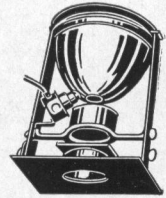


KLIEGL INDOOR FLOODLIGHTS

No.	Description	Price
1591	For 150-watt P. S. lamp; all aluminum acid-finish reflector, with universal joint mounting and cast aluminum bracket, furnished with clear glass roundel (or colored roundel if specified), 5 ft. extension cord and attachment plug. A flexible, exceptionally efficient, small unit.	\$9.00
1592	For 200-watt P. S. 30 lamp; otherwise the same as No. 1591.	12.00
1593	For 500-watt P. S. 40 lamp; fitted with mogul screw base receptacle, and a two-piece metal frame with a one-piece medium (metal frame fitted with a resin-coated glass, for No. 1593, Price \$7.00 extra)	15.00
531	For 250-watt G30 lamp; all aluminum acid-finish reflector, 11" in diameter, with wall bracket (no grooves for color frames)	10.00
533	For 250- to 400-watt G30 lamps; aluminum acid-finish reflector, 11" in diameter; furnished with wall bracket and metal color frame No. 580.	13.00
534	No. 533—mounted on an adjustable pedestal stand.	17.00
537	For 1000-watt G40 lamp; reflector 14½" in diameter; metal color frame No. 581; otherwise the same as No. 533.	18.00
540	For 500-watt P. S. lamp; open box reflector; with chain hangers, and metal color frame No. 577 (with pipe clamp \$1.75 extra)	7.50
541	For 1000- or 1500-watt P. S. lamp; with metal color frame No. 578; otherwise same as No. 540.	10.50
548	For 200-watt P. S. lamp; with aluminum acid-finish reflector, chain hangers, and metal color frames for gelatine (with roundels \$1.30 extra)	10.00
548A	For 500-watt P. S. lamps; otherwise same as No. 548 (metal color frame with heat-resisting glass, \$3.50 extra)	15.00
546	For 500-watt P. S. lamp; all aluminum acid-finish reflector, with pipe clamp, and grooves for color frames 14¼" x 14¼"	20.00
547	For 1000-watt P. S. lamp; with grooves for color frames 15¾" x 17¼"; otherwise same as No. 546.	22.00
1155	For 1500-watt P. S. lamp; motion picture studio overhead floodlight; all aluminum acid-finish reflector 18" in diameter, with pipe clamp (no grooves for color frames)	22.00
1N	For 500- to 1500-watt P. S. lamps; open box floodlight; with grooves for metal color frame, No. 585; mounted on floor stand; with 25 ft. cable.	24.00
2N	Same design as No. 1N, except it is furnished with an aluminum acid finish reflector, and color frame No. 589.	40.00
1N3	Three No. 1N open box floodlights mounted on a single stand; with three 25 ft. lengths of cable.	85.00
550	For 1000-watt P. S. lamp, glass line reflector 13" in diameter, with grooves for color frames No. 582; mounted on floor stand (without color frame) with 25 ft. cable.	38.00
552	Same as 550, except furnished with pipe clamp for suspension mounting, in place of floor stand (no cable)	31.50
565	For 1000-watt P. S. lamp; aluminum acid finish reflector; for suspension mounting; reflects all the light downward; useful for lighting prize fight rings, parking areas, etc.	25.00

DOWN LIGHTS

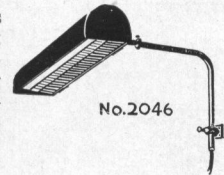
An entirely new development, for general illumination of theatre auditoriums, convention halls, ballrooms, dining rooms, and similar places. The light is projected from a 4" hole in the ceiling, thus giving direct illumination from an invisible source. The unit consists of a combination of first surface rhodium G R C metal mirror reflectors which collect and direct all the light rays emitted by the lamp, through a lens system, which crosses the light beams at the point of opening in the ceiling, and then spreads them over the area to be illuminated. They accommodate a 250- or 400-watt G 30 incandescent lamp, and are usually fitted with a slide for color mediums to change the color of light as desired. No. 1170, overall height 19½", weight 24 lbs. Price \$58.00.



No. 1170

PICTURE and SIGN BOARD LIGHTS

For even illumination of pictures, bulletin boards, signs, and the like. Consists of a metal reflector finished in gold; fitted with a special triple-etched diffusing glass that insures uniform lighting from top to bottom of picture. Is provided with one or two sockets (as listed) for 25-watt T 10 tubular lamps, and an adjustable extension bracket and clamp for mounting reflector on back of picture or to flat surface. Furnished complete with 9-feet of lamp cord and attachment plug.

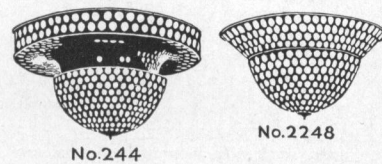


No. 2046

KLIEGL SIGN BOARD AND PICTURE LIGHTS

No.	Description	Price
2045	9¼" x 3½" x 2½" reflector; for one T 10 lamp; weight 3 lbs.	\$18.00
2046	15¾" x 3½" x 2½" reflector; for two T 8 lamps; weight 4 lbs.	20.00
781	8½" x 2½" x 2½" reflector; for one T 10 lamp—open type without glass, and a non-adjustable bracket; weight 1 lb.	2.00

CRYSTAL SHOWERS



No. 244

No. 2248

Rotating mirrored devices, suspended from the ceiling of ballrooms, banquet halls and other places of public entertainment; reflect sparkling and moving spots of light to all parts of the room, producing a delightful and entrancing effect. Consist essentially of a hollow steel frame, encased with sheet copper, external surface completely covered with small silvered-glass mirrors. A motor, which slowly revolves the reflector, is concealed within the framework, and operates on 120 volts, direct or alternating current. Spotlights from several parts of the room are directed upon the reflector to produce the lighting effect. When motor-driven color-wheels are used with spotlights the effect is made still more attractive. Crystal Reflectors are furnished complete with motor. Special designs are made to order.

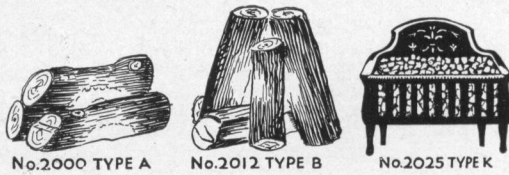
KLIEGL REVOLVING CRYSTAL SHOWERS

No.	Description	Price
245	40" dia. x 24" high; complete with motor; wt., 56 lbs. (Like No. 244, size larger)	\$300.00
244	30" dia. x 16" high; complete with motor; wt., 36 lbs.	230.00
2247	18" dia. x 10" high; complete with motor; wt., 13½ lbs. (Like No. 244, size smaller)	120.00
2248	27" dia. x 13" high; complete with motor, wt., 21 lbs.	125.00

Crating or Traveling Cases furnished extra at cost.

www.klieglbros.com

FIRE LOGS and COAL GRATES



Realistic imitations of burning wood logs and glowing coals provide the final touch of art and realism to an open fireplace.

Fire Logs are made with three or more logs naturally grouped, in several designs and sizes, for open fireplace and outdoor campfire effects. Logs are hollow, covered with asbestos and translucent materials, modeled and artistically hand painted to represent bark-covered burning logs. Means are provided for inserting incandescent lamps in the hollow logs. By proper shading of translucent and opaque parts, and by reflection from below, when illuminated, logs glow with all the natural colors of burning wood logs.

Coal Grates are to all appearances actual grates of glowing coals; iron baskets are identically the same as those used with genuine coal fires; coal bed is made of lumps of colored crystal glass; incandescent lamps are concealed under the coal bed; when illuminated, flickering light shining through the crystals gives "life" to the coals—a true reproduction of a glowing coal fire.

Fire logs and coal grates can be obtained with added features of flames of colored silk, and chemical or electrical smoke effects, to give more realistic impressions—also fitted with heater coils if desired.

KLIEGL FIRE LOGS AND COAL GRATES

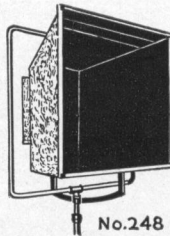
No.	Description	Size	Weight	Price
Fire Logs:				
2000	Type A, 3 logs, for fireplace.....	18" x 9"	10 lbs.	\$45.00
2001	Type A, 3 logs, for fireplace.....	22" x 12"	15 lbs.	52.00
2002	Type A, 3 logs, for fireplace.....	26" x 15"	19 lbs.	60.00
2012	Type B, 6 logs, for camp-fires....	36" high	30 lbs.	75.00
Coal Grates:				
2025	Type K, fancy cast-iron basket....	18" x 9"	60 lbs.	36.00
2026	Type K, fancy cast-iron basket....	20" x 12"	66 lbs.	40.00
2027	Type K, fancy cast-iron basket....	22" x 12"	69 lbs.	42.00

Andirons not included in price of logs. Fire logs and coal grates in larger sizes can also be furnished.

www.klieglbros.com

SCENE PROJECTORS

Device used on the stage and elsewhere for projecting scenery on a specially prepared drop curtain or other flat surface. Scene is painted on a large glass slide (28½" x 40¼") and projected in all detail and color. Scene 30 feet wide can be projected from a distance of 10 feet. Projecting apparatus consists of an enclosed high candle power lamp fitted to a large sheet-metal hood, provided with slide grooves to accommodate the painted slide, and mounted on an adjustable support. Projectors of similar design but smaller in size than those listed, available on special order. Prices on application.



KLIEGL SCENE PROJECTORS (LINNEBACH LAMPS)

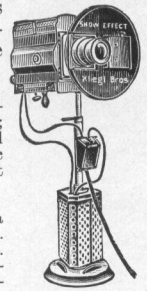
No.	Description	Price
247	Arc type, 25 ampere, 125 volt; complete with fixed resistance switch, connector, and 25-ft. cable.....	\$185.00
248	Incandescent type, for 1000-watt G lamp; complete with asbestos leads, connector, and 25-ft. cable.....	160.00
249	Painted slide, for scene projector; hand painted, with wooden frame, 40¼" x 28½".....	*

* Price on application—dependent upon required design. Transparent drops—specially prepared, can be furnished any size; prices on application.

SCIOPTICONS (Scenic Projectors)

For projecting moving scenic effects—rippling water, moving clouds, rising flames, et cetera. Apparatus consists of high-candle-power lamp enclosed in a hood fitted with a condensing lens and slide grooves to receive effect holder. Effect holder is also fitted with a condensing lens and with slide grooves for holding effect in position. Effect is hand painted on a clear mica disc, enclosed in a sheet-iron casing, and rotated by clock-driven or motor-driven mechanism. An objective lens fits slide

grooves on front of effect casing (objective lens used depends upon the distance sciopticon is located from the drop, and the size of picture to be projected).



No. 75—Sciopticon, arc type, 30-ampere, 125-volt hand-feed arc lamp, operates on direct or alternating current; rheostat, adjustable from 60 volts to 125-volts; furnished complete with condensing and objective lenses, telescopic pedestal stand, enclosed switch, asbestos leads, and 25-feet of stage cable.

No. 75N—Sciopticon, incandescent type; fitted with a mogul-prefocus-base receptacle for 1000-watt G lamp. When used with dimmers, effects can be faded on and off. Sciopticon is furnished complete with condensing and objective lenses, pedestal stand, asbestos lead wires, connector, and 25 feet of stage cable—with or without dimmers.

KLIEGL SCIOPTICONS

No.	Description	Price
75	Arc type sciopticon, 30-amperes, 125-volts; wt., 78 lbs.....	\$92.00
75N	Incandescent type sciopticon, 1000-watt, without dimmer; wt., 44 lbs.....	70.00

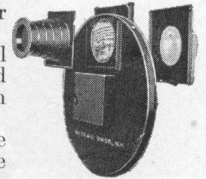
Price includes one sciopticon objective lens, No. 280 to No. 284,—specify objective desired—see listing, page 21. Effects and dimmers for sciopticon are listed separately in this catalog.

SCENIC and STAGE EFFECTS

Kliegl scenic effects are reproductions of natural phenomena and countless other forms of stage illusions.

A partial list of the many standard Kliegl effects that are carried in stock are described below—numerous other effects, not herein mentioned, can be furnished.

Special effects and illusionary devices are designed and built; also effects for degree work, are made to order.



KLIEGL SCENIC AND STAGE EFFECTS

No.	Description	Price
Sciopticon Projected Effects (‡)		
77	American Flag, Waving; slide, and waving disc with clockwork.....	\$40.00
77A	American Flag; slide, hand painted.....	9.50
78	Aurora Borealis; 4 slides, and color wheel with clockwork.....	55.00
83	Blizzard Effect; single disc and slide (*).....	85.00
90	Cyclone Effect; single disc (*).....	80.00
94	Dissolving Colors; with attachment and slide carrier, 3 design slides, and color wheel with clockwork.....	35.00
98	Falling Flowers; highly colored (*).....	120.00
100	Falling Roses; highly colored (*).....	120.00
103	Fireworks; bursting explosions; falling colored stars (*).....	85.00
104	Flame Effect (*).....	80.00
105	Flowing Water (*).....	80.00
106	Flying Angels, in groups (*).....	120.00
107	Flying Birds (*).....	120.00
108	Flying Butterflies (*).....	120.00
112	Flying Ghosts and Skeletons (*).....	150.00
117	Inferno, spectacular (†).....	120.00
122	Lightning, zigzag; 3 brass cut-slides with lightning shutter.....	30.00
129	Moonlight water ripple; mica traveling slides and framing shutter.....	60.00
132	Moving clouds with rising or setting moon; 18-in. disc and slide (*).....	100.00
135	Moving fleecy clouds (*).....	95.00
138	Moving storm clouds (*).....	85.00
150	Ocean Ripple, 3 mica painted slides.....	65.00
151	Ocean Waves (*).....	85.00
154	Panorama, moving country scene (*).....	90.00
155A-E	Panorama, moving, winter, desert, railroad, etc. (†).....	120.00
158	Rain Effect (*).....	85.00
161	Rainbow Effect; glass prisms.....	100.00
164	Rising Fire and Smoke (†).....	120.00
167B	Rising or Setting Sun with clouds, traveling slide with clockwork.....	100.00
168	River of Souls (*).....	120.00
175	Sand Storm (*).....	85.00
176	Sand Storm (†).....	115.00
179A	Scene Slides, star slides, etc., price on application.....	
181	Snow Effect (*).....	75.00
186	Swimming Fish (*).....	85.00
188	Twinkling Moon, comical, hand movement.....	20.00
192	Volcano Eruption (*).....	85.00
195	Waterfall (*).....	85.00
196	Water Ripple; mica slide and framing shutter No. 33A.....	60.00

(*) 18-in. single disc with clockwork.

(†) 18-in. double disc with clockwork.

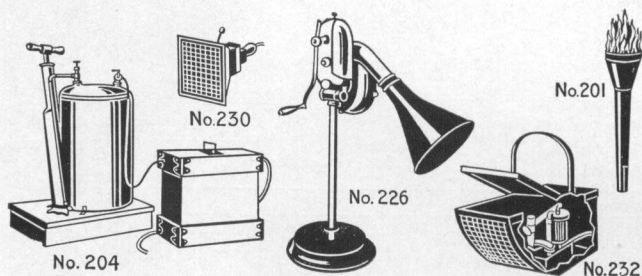
(‡) Effects can be furnished with motor drive, instead of clockwork, if desired—prices on application.

Spotlight Effects

257	Iris shutter for fading-out effect; 6-in. opening.....	15.00
240	Optiscope (lobsterscope).....	12.00
243	Silk Roller, 7 colors.....	25.00
22	Color wheel, for 6" spotlight, hand movement.....	5.50
31	Color wheel, for 6" spotlight, motor driven.....	45.00
237	Lightning shutter.....	12.00
1180	Radium dance effect, produced with the following: Radium liquid, visible only in ultra-violet light, per quart.....	15.00
1183	Ultra-violet filter; 6-in. square heat-resisting glass.....	5.00
1185	Water shield for ultra-violet filter.....	15.00

Open-Box Light Effects

50	Twilight effect; silk roll of 7 colors.....	40.00
----	---	-------



Electro Mechanical Effects

233	Automatic lightning strikes, with 25 ft. stage cable.....	38.00
202	Candle stick with lamp and battery.....	4.50
204	Chemical smoke; a combination of acid and air, producing smoke, complete with air tank.....	45.00
204A	One new charge for chemical smoke.....	2.75
209	Electric smoke boxes; single unit.....	7.50
209A	Electric smoke powder for No. 209, 1 lb.....	1.25
215	Flash or Explosion boxes.....	7.00
215A	Flash powder for No. 215, 2 ounces.....	1.70
214	Fireflies; in sets of 24; with battery and keyboard.....	52.00
	Fireplaces—(listed separately in this catalog).....	
230	Hand lightning, without rheostat.....	9.00
224	Mephisto Hand Sparks Effect; produced between two metals without using current.....	3.50
224B	Mephisto Sparkle, with universal motor.....	35.00
224C	Mephisto Sparkle, Shoe plate..... per shoe	3.00
224D	Mephisto Spark Metal, price, according to size, on application.....	
224E	Mephisto Floor or Dancing Mats—price, according to size, on application.....	
225	Moon Box, 13" diameter, without cable.....	10.00
226	Noise of Wind Effect, hand operation (§).....	45.00
226A	Noise of Wind; with 1½ hp. motor and regulator.....	225.00
226B	Noise of Aeroplane, with universal motor for orchestra.....	75.00
226C	Noise of Thunder; drum 34" W x 34" D x 35" H; with motor and regulator.....	250.00
226D	Noise of Thunder; extra large drum 70" W x 70" D x 32" H; with motor and regulator.....	600.00
1190	Smoke Pots; 1 minute; white smoke..... per doz.	3.00
1191	Smoke Pots; 1 minute; black smoke..... per doz.	6.00
228F	Telephone, with light in mouthpiece.....	7.50
228G	Twinkling stars, set of 24 with keyboard.....	54.00
201	Torch, flaming; with lamp and battery.....	9.50

(§) Other howling and whistling noises can be furnished. Information and prices on other effects on application.

SIDEWALK PROJECTOR

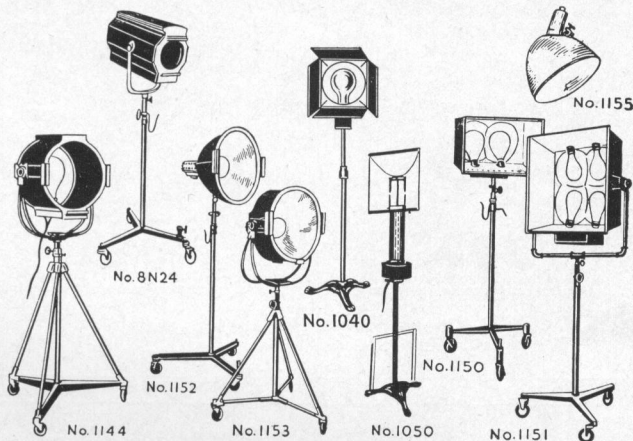


No. 253

Used to project announcements and other messages upon the sidewalk, from a show window or other location within the building line. Consists essentially of a small stereopticon, furnished complete with lens, medium-screw-base lamp socket and 8 ft. of lamp cord with attachment plug. Accommodates a 100-watt G-25 lamp. Uses slides 2½" in diameter, with stenciled lettering or stenciled design. No. 253—Kliegl Sidewalk Projector. PRICE \$14.00.

STUDIO LIGHTS

Highly developed lighting units for photographic work. Powerful spotlights and floodlights—backlighting units which are unsurpassed for economy, durability and flexibility. Made in both incandescent and arc types, offering excellent lighting facilities for motion picture and sound photography, commercial and portrait photography, photo-engraving, and other applications.



KLIEGL STUDIO LIGHTS

No.	Description	Price
1144	Klieg-Sun, with 19" glass mirror reflector; for 2000-watt G 48 incandescent lamp. A long-range high-intensity floodlight, with a strong, well defined, evenly filtered beam of light at considerable distance (takes screen size 26½" x 26½").....	\$150.00*
1144A	Klieg-Sun, with 19" reflector; for 5000-watt G 64 lamp; otherwise same as No. 1144.....	160.50*
1145	Klieg-Sun, with 25" glass mirror reflector; for 10,000-watt G 80 lamp; takes screen size 26½" x 26½"; otherwise same as No. 1144.....	375.00*
1152	Klieg-Side-Floodlight, with chromium-plated reflector; for 1000-, 1500-, or 2000-watt P. S. 52 lamp. A variable-range high-intensity floodlight for general illumination of deep sets (takes screen size 21½" x 21½").....	74.00
1153	Klieg-Side-Floodlight, with silvered-glass reflector; otherwise similar to No. 1152.....	95.00
1150	Klieg-Twin Floodlight, for two 1000- or 1500- P. S. 52 lamps; for lighting foregrounds, close-ups, and general illumination (takes screen size 23½" x 16½").....	45.00
1151	Klieg-Double-Twin Floodlight, for four 1000- or 1500-watt P. S. 52 lamps; takes screen size 27½" x 26"; otherwise same as No. 1150.....	95.00
1155	Klieg-Overhead Floodlight, for 1000- or 1500-watt P. S. 52 lamp. A suspension type high-powered floodlight for general illumination.....	22.00
1040	Lilliput Incandescent Floodlight, portable, for 1000-watt P. S. 52 lamp; with 12" dia. aluminum acid finish reflector, and adjustable wings or framing shutters on four sides (takes screen size 15" x 14½").....	32.00
1050	Lilliput Arc Floodlight, fitted with 15-ampere 110-volt automatically regulated double arc lamp, furnished complete with floor stand (takes screen size 15" x 14½").....	100.00
8N24	Spotlight, incandescent type, for 2000-watt G 48 lamp; gives a high intensity long range concentrated light beam or wide spread. Used for back lighting, cross lighting, modelling, etc. (takes Color Frame No. 570 size 10" x 11").....	70.00
2276	Small studio spotlight, for 400-watt lamp, similar to No. 276B (page 6) but with longer hood, and equipped with lenses, four adjustable independently controlled framing shutters, and iris shutter. Mounted on telescopic stand with rubber-tired casters. Furnished with switch and 25 ft. cable.....	65.00

For more complete details on above, send for Special Bulletin.

* Can be supplied with first surface rhodium G R C metal mirror reflectors in place of glass mirror reflectors, when so ordered, at the same list prices.

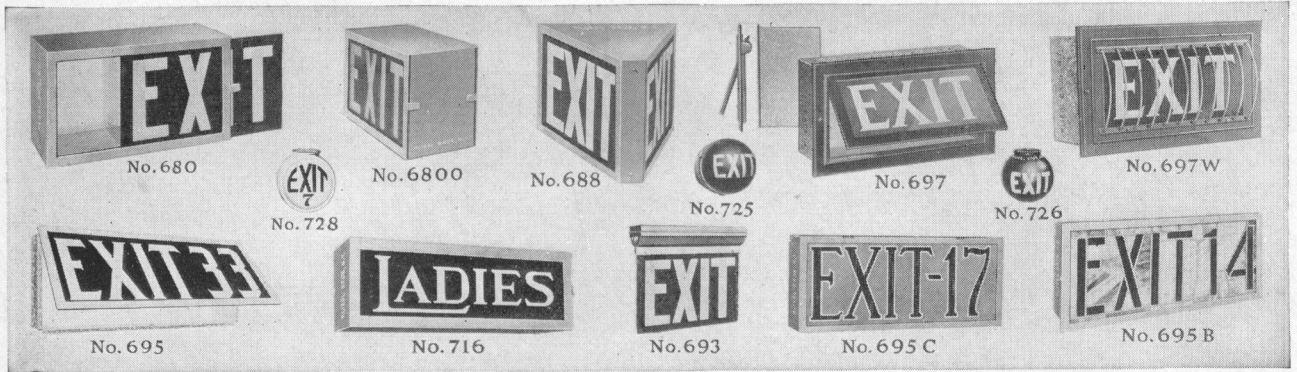
Diffusing Screens for Klieg Studio Lights

No.	Size	Description	Price
1056	15" x 14½"	Metal frame with florentine glass.....	\$2.50
1072	21½" x 21½"	Metal frame with frosted gelatine.....	3.00
1147	23" x 23"	Metal frame with florentine glass.....	6.00
1147A	23" x 23"	Metal frame with frosted gelatine.....	3.00
1149	23¾" x 16½"	Metal frame with frosted gelatine.....	2.50
1148	26½" x 26½"	Metal frame with florentine glass.....	7.50
1148A	26½" x 26½"	Metal frame with frosted gelatine.....	3.75
1073	27½" x 26"	Metal frame with frosted gelatine.....	4.50
G 80	24" x 24"	Frosted gelatine, per sheet.....	.25

EXIT and DIRECTIONAL SIGNS

Illuminated signs. Made in a variety of standard designs,

also to customers' specifications. Meet all safety requirements of Underwriters. The most widely used designs and sizes are here listed—others are also available. Illuminated signs of practically every description made to order. Price quotations upon receipt of complete information.



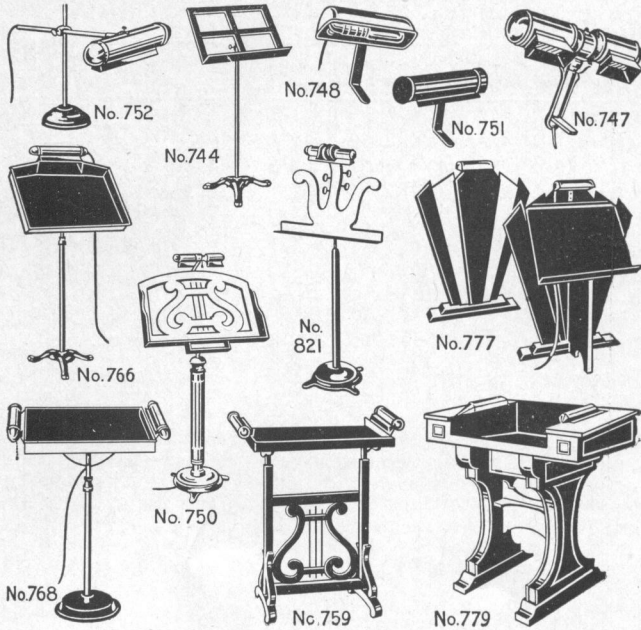
No.	Description Kliegl Exit & Directional Signs	Application	Wording	Height of Letters	Dimensions—Inches		Price
					Surface Plate	Depth of Box	
Surface Wall Types							
680	Single face, rectangular; sheet metal box finished in gold with grooved front, open on one side to receive ruby-glass face-plate; white letters.	Ordinarily mounted on the surface of the wall above the exit; corners are squared; glass face slides in from the side. If box is set in the wall allowance of 1/2" extension should be made so that glass front can be removed and lamps replaced.	Exit	3"	10 x 5	5	\$3.50
685			Exit	5"	11 3/8 x 6 3/4	5	4.00
686			Exit	6"	14 x 8	5	4.50
690			Exit	8"	15 3/4 x 10	5	4.75
692			Exit & No.	8"	24 x 10	5	8.50
6800	Double faced, rectangular; sheet metal box finished in gold with ruby-glass face-plate on two sides; white letters; grooved sides open on ends for removal of glass and permit access to lamps.		Exit	3"	10 x 5	5	7.00
6850			Exit	5"	11 3/8 x 6 3/4	5	8.00
6900			Exit	8"	15 3/4 x 10	5	9.50
6920			Exit & No.	8"	24 x 10	5	17.00
688	Double faced, triangular; sheet metal box finished in gold with two ruby-glass face plates; white letters; front end piece detachable, permits removal of glass plates and access to lamp. Small opening on the bottom, covered with frosted glass, directs a subdued light to the floor.		Exit	6"	10 x 8	9 1/2	9.00
Flush Wall Types							
6945	Ruby-glass face-plate; white letters; galvanized sheet-metal box; removable hinged front; exposed metal parts finished in gold.		Exit	5"	11 1/4 x 7	5	6.00
694			Exit	8"	16 x 11	5	7.00
695			Exit & No.	8"	24 1/4 x 11	5	11.00
694B	Cathedral leaded-glass face-plate; galvanized sheet-metal box; removable hinged front; exposed metal parts finished in gold.		Exit	8"	16 x 11	5	13.50
695B			Exit & No.	8"	24 1/4 x 11	5	14.50
694C	All-metal face-plate; letters cut out, backed by perforated translucent metal shield; wording appears illuminated in red; galvanized sheet-metal box; removable hinged front; exposed metal parts finished in gold.	Intended for mounting in wall flush with the surface. Hinged doors hold glass face plate and permit access to lamps. Wall box and front are furnished as separate units, so that box can be set during period of construction and front mounted after construction work is completed.	Exit	8"	16 x 11	5	13.00
695C			Exit & No.	8"	24 1/4 x 11	5	14.50
696			Bronze frame with bronze self-closing swinging door, holding ruby-glass face-plate, with fancy white letters reading "Exit"—galvanized sheet metal box; dull bronze finish. (Metal guard can be furnished on these Exit Signs, as shown on No. 697W, for \$3.00 extra.)		Exit	3"	14 1/4 x 7	5	12.00
697	Exit	4"			15 3/4 x 9	5	14.00
697A	Exit	5"			15 3/4 x 9	5	14.00
699	Exit	6"			17 1/4 x 10 3/8	5	17.00
699A	Exit	7"			17 1/4 x 10 3/8	5	17.00
698	Exit	8"			18 x 12 1/2	5	20.00
697W	Exit	4"			15 3/4 x 9	5	17.00
698W	Exit	8"	18 x 12 1/2	5	23.00		
Suspension Types							
693	Single face; clear glass; white letters; illuminated through edge of glass; lamp concealed in metal supporting member; all exposed metal parts finished in gold; with chain hangers. For perpendicular to wall bracket mounting, add \$2.50 to list prices.	May be suspended from the ceiling, mounted at right angles to a wall or post, or set upright on a pedestal, railing or other form of support.	Exit	6"	16 x 8	..	20.00
6930	Double faced; otherwise same as No. 693.		Exit	6"	16 x 8	..	30.00
Globe Types							
725	Round globe, 4" in diameter, red-glass; with spring-clamp globe holder for mounting on wall over a receptacle containing a 40-watt Mazda lamp; white lettering.	Globe types are designed to be attached to any ordinary lighting fixture equipped with a standard 3 1/4" lamp-shade holder, with the exception of No. 725 which is provided with a special spring-catch globe holder for mounting on wall over a single lamp receptacle.	Exit	2"	.....	..	4.00
726	Round globe, 6" in diameter, red-colored glass with opening on top for attaching to 3 1/4" shade holder; white lettering.		Exit	2 1/2"	.....	..	4.50
727	Same as 726, but with opening on bottom.		Exit	2 1/2"	.....	..	4.50
728	Flat-round opal-glass globe 8" in diameter, with opening on top for attaching to 4" shade holder; red letters.		Exit	4"	.....	..	6.50
729	Same as 728, but with opening on bottom.		Exit	4"	.....	..	6.50
Box Types							
716	Single face; sheet metal box signs; square corners, with black-glass front plate; white letters. All exposed metal parts finished in gold. Any other wording than that listed may be specified. (Similar signs, double-faced, can also be furnished.)	Attached to wall by means of screws.	Ladies	3"	14 x 5	5	10.00
717			{Gents or Men}	3"	14 x 5	5	10.00
720			Information	3"	14 x 5	5	12.00

Green or other colored glass, or exit signs with special lettering, can be furnished—prices on application.

www.klieglbros.com

MUSIC and LEADER STANDS

Made in a variety of designs, all devised to properly illuminate music scores without strain on eyes of musician. Music rests amply proportioned and adjustable. Stands substantially constructed; well balanced; set firmly in position on floor. Completely wired and attractively finished. Several standard designs are here listed. Other types of music stands and leader stands are also available—for special needs, music and leader stands are made to order.



KLIEGL MUSIC STANDS AND LIGHT FIXTURES

No.	Description	Price
Music Stands:		
744	Demountable type with light fixture, can be quickly dismantled or assembled, without the aid of tools. Music rest, 20" x 14 1/2", open wooden frame, with hinged shelf, at set angle, height adjustable. Cast-iron tripod base; metal parts finished in black enamel; weight 13 1/2 lbs. (Light fixture extra—Nos. 748, 747 or 751, fit into slot on top of rest—see listing)	\$4.50
766	All-metal type with light guards on all four sides. Music rest, 24" x 15" of metal, at set angle, height adjustable; light fixture No. 746, with pull-chain socket for one lamp; cast-iron tripod base; telescopic iron-pedestal; finished in gold, except inside surfaces of music rest which are dull black; completely wired; furnished with 8 ft. of cable; weight, 20 lbs.	14.00
750	Lyre type. Music rest, 24 1/2" x 16 1/2", with side guards; made of mahogany; height and incline adjustable; light fixture No. 747, with pull-chain twin-lamp socket and diffusing screen; round cast-iron base; fluted wooden-pedestal; finished in gold; completely wired; furnished with 8 ft. of cable, passing through center of pedestal; weight, 25 lbs.	28.00
777	Modernistic type. Made entirely of wooden panels artistically assembled with music rest, 18" x 14 1/2", built in as a permanent part of the assembly at a set angle and fixed height; equipped with light fixture No. 748, having a key socket for one lamp; front finished with alternate panels of silver and black; all rear parts are dull black; made especially low—overall height being 36"; can be equipped with supports for front panels where it is desired to change front appearance with change of program; furnished wired, with 8 ft. of cable; weight 14 1/2 lbs.	35.00
821	Viol type with artfully designed music rest, 19 1/2" x 14 1/2"; made of aluminum; head piece holds light fixture, artfully concealed, fitted with twin-lamp pull-chain socket, and special diffusing glass to evenly illuminate music score; adjustable square free-sliding pedestal automatically locks in any position without set screws; cast-iron base with spun aluminum top cover; finished in gold, base-offset black; wiring all concealed; furnished with 12 ft. of cable; weight, 22 1/2 lbs.	44.00
Leader Stands:		
768	All-metal stand; music rest, 28 1/2" x 19", light guards on four sides, height and incline adjustable; two light fixtures, No. 746, one on each side of music rest; round cast-iron extra-heavy base-plate; telescopic iron-pedestal; finished in gold, except inner surfaces of music rest which are dull black; completely wired; furnished with 12 ft. of cable; weight 38 lbs.	22.00

www.klieglbros.com

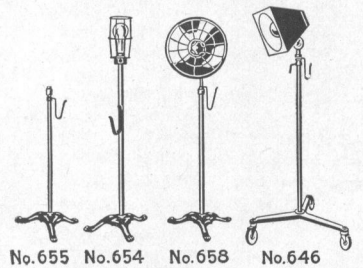
Leader Stands (continued)

759	Lyre design; made of hardwood; music rest, 31 1/2" x 17 1/2" guard rails on two sides and bottom; height and incline adjustable; two light fixtures, No. 746, one on each side of music rest; hardwood standard with carved lyre design, rests firmly on the floor; finished in mahogany, gold bronze if desired; provisions for fastening telephone and signal lights; completely wired; furnished with 12 ft. of cable. Weight 25 lbs.	60.00
779	De Luxe model; exceptionally complete and attractively designed director's desk; made entirely of hardwood, beautifully carved and proportioned; fully equipped with signal and platform controls and other accessories; plain and panel ornamentations. Music rest, 26 1/2" wide x 25" deep, recessed in the desk at a height of 35", overall height of desk 40", width 39", depth 28 1/2"; two light fixtures, like No. 749, one on each side of music rest; heavy wooden uprights support the desk and rest firmly on the floor. Music Cabinet, with latched and hinged door, under the music rest, affords facilities for storage of music scores; finished in gold or mahogany, or any other finish desired; push button and switch controls for signal lights, platform lifts, and other auxiliaries, are provided—four signal push buttons, one 10-amp, push switch; completely wired; furnished with 12 ft. of cable. Weight 90 lbs.	140.00
Light Fixtures—for music and leader stands:		
748	Open trough type; key socket for one lamp, enclosed in a deep-curved metal reflector, open at bottom, directs all the light downward; arm attached to reflector provides means for fastening to music rest; accommodates a 25-watt T 10 lamp; exterior surfaces finished in gold; weight 1 1/2 lbs.; supplied without cable (furnished wired, with 8 ft. of rubber covered cable, \$1.00 extra)	2.50
751	Slotted cylindrical type; key socket enclosed in a cylindrical metal casing with slot opening which directs light to music rest; end is removable for lamp replacement; center iron bracket provided for fastening to music rest; accommodates a 25-watt T 10 lamp; exterior finish black enamel; weight 2 1/2 lbs.	2.50
747	Twin-lamp diffusing type; pull-chain double-lamp socket, enclosed in an attractive cylindrical metal casing, bell-shaped ends removable for lamp renewal; rectangular openings have light guards, and diffusing glass to evenly illuminate music scores; assembled on a neatly designed cast bracket, with provisions for fastening to music rest; accommodates two 10-watt lamps; finished in gold; completely wired, furnished with 8 ft. of cable; wiring from fixture is concealed inside the bracket; weight 2 1/4 lbs.	5.50
752	Piano and Organ Light—complete stand lamp with pull-chain twin-lamp socket. Reflector is a cylindrical brass casing with bell-shaped ends removable for lamp replacement, and provided with slotted opening through which light is projected upon the music. Accommodates two 25-watt T 10 lamps. Heavy base insures stability. Scheme of mounting permits reflector to be adjusted in any position, horizontally, and angularly, allowing light to be directed in any positive position to properly direct the light upon the music. Dull brass finish. Completely wired. Furnished with 10 ft. of lamp cord. Weight, 15 lbs.	14.00

For complete listing of music and leader stands, send for Bulletin No. 103.

CLEANER STANDS & WORK LIGHTS

Portable lights useful wherever a temporary lighting unit is required—as in cleaning theatre auditoriums, repair work in a garage, certain forms of construction work, and similar applications. Consists of an iron base with pedestal stand equipped with one or four lamp receptacles.



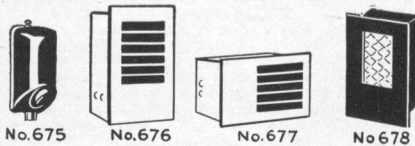
No.	KLIEGL CLEANER STANDS AND WORK LIGHTS	Price
655	One light, at 36" fixed height; cast iron tripod base; medium screw base lamp receptacle; cable passes through pipe and base; finish black enamel; wt. 7 1/2 lbs.	\$5.50
654	One light, at 5 ft. fixed height; cast iron tripod base; outlet box with medium screw base receptacle and wire lamp guard; cable passes through pipe and base; finish black enamel; wt. 12 lbs.	8.50
653	One light, similar to No. 654, but with mogul screw base lamp receptacle; wt. 14 lbs.	12.00
658	Four light unit; medium screw base receptacles; 14" reflector; fixed wire guard; telescopic stand height adjustable 36" to 60"; cable passes through stand and base; finish black enamel; wt. 13 1/2 lbs.	10.00
646	One light unit, with aluminum acid finish reflector, enclosed; mogul screw base receptacle for 500-watt P. S. lamp; telescopic stand height adjustable 5' 6" to 8' 6"; base fitted with 4" rubber tired casters; finish black enamel; wt. 36 lbs.	25.00

Cable not included in prices listed.

AISLE, STEP, and CORRIDOR LIGHTS

Enable persons to find their way about in darkened auditoriums and seat themselves without the discomforts and dangers of groping in the dark. They cast a subdued light downward on steps and in aisle ways—a light that does not annoy the audience nor interfere with the performance.

No. 675—Aisle Spot-light; designed for mounting on side of end seats adjoining aisle ways. Equipped with lens which controls and properly distributes all the light downward. Made of cast aluminum with removable casing; 1/2-inch conduit connection can be made at the bottom or rear. Accommodates 10-watt lamp. Furnished complete with receptacle and lens. Size 6" x 3" x 2 3/4" deep. Weight 13 ozs.



No. 676—Aisle-light; vertical type, for flush wall mounting; generally used for illuminating side aisles. Consists of a medium-screw base receptacle mounted in a heavy-gauge galvanized sheet-iron box, size 7 3/4" x 4 3/8" x 3 1/2" deep, with 1/2-inch knockouts in sides, rear, and bottom; provided with a removable cast-aluminum front, 8 3/4" x 4 1/8", of Louver construction so designed that all the light is directed to the floor. Accommodates 40-watt lamp. Weight 4 lbs.

No. 677—Step-light; horizontal type, designed especially for stairways; is ordinarily set in the step flush with the riser. Removable front is cast-aluminum, substantially made to withstand the kicks and knocks of moving feet. Dimensions same as No. 676. Weight 4 lbs.

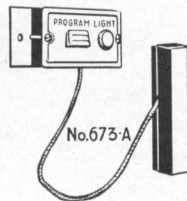
No. 678—Corridor-hospital-light; gives the soft diffused light desired for illumination of corridors; sets in flush with the side wall; similar in design to No. 676 except it is without Louvers, and has dull-finish cast-bronze front with wire-glass face. Weight 5 3/4 lbs.

KLIEGL AISLE, STEP, AND CORRIDOR LIGHTS

No.	Description	Price
675	Aisle Spot-Light, for end-seat mounting.....	\$4.50
676	Aisle-Light, vertical type, for flush-wall mounting.....	5.00
677	Step-Light, horizontal type, for stairways.....	5.00
678	Corridor-Hospital-Light, flush-wall type.....	8.00

PROGRAM LIGHTS

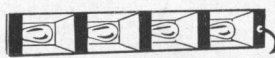
Provide local illumination, by pressing a button, enabling theatre patrons to read their programs any time during the performance, when the house is dark. Made in two distinct types; one designed for individual battery service, thus eliminating the necessity of wiring; the other for permanent wiring to a low-voltage circuit. Each program light is a self-contained unit, consisting of an aluminum face-plate, push button, miniature lamp socket, and battery holder (or a low-voltage terminal block). It is recessed in back of chair, flush with the surface; there are no projections to catch the clothing of passing patrons. A small 2-volt bulb is employed. A light-guard shields the light so that it illuminates only the program held directly below it, in the vicinity of the patron's lap—with just a sufficient amount of light to permit easy reading—causing no interference with black-out scenes, or annoyance to patrons in neighboring seats.



KLIEGL PROGRAM LIGHTS

No.	Description	Price
673	Individual self-contained battery type, complete with lamp and battery.....	\$2.00
673A	Individual separate-battery type; same as No. 673 but with separate battery case and extension cable, for separate mounting; complete with lamp and battery..	2.00
674	Permanent-circuit type, complete with lamp.....	1.50

STRIP LIGHTS



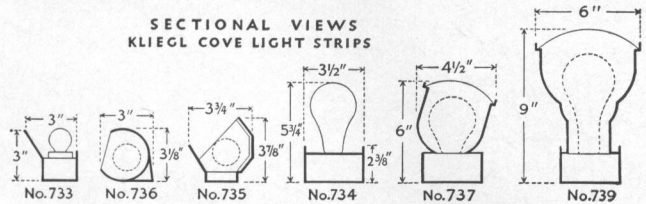
No. 650
For stage lighting—from the wings, at entrance points, back of transparencies, behind ground rows, and similar locations. Made of galvanized sheet-iron; reflecting surfaces painted white; fitted with medium-screw-base receptacles; completely wired, wiring

fully enclosed; provided with special hook for hanging. Other strip lengths than those listed, and strips for more than one color, made to order.

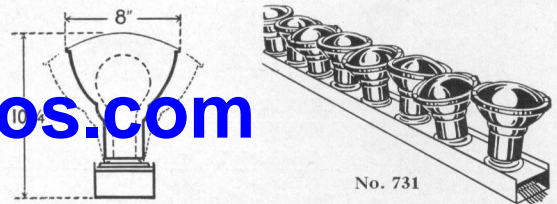
KLIEGL STRIP LIGHTS

No.	Description	Price
649	Two lights, strip, 1 1/2-ft. long; wt. 4 lbs.....	\$3.80
650	Four lights, strip, 3-ft. long; wt. 8 lbs.....	6.50
651	Six lights, strip, 5-ft. long; wt. 11 lbs.....	9.50
652	Ten lights, strip, 8-ft. long; wt. 17 lbs.....	15.50

COVE LIGHT STRIPS

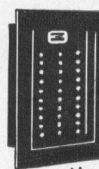
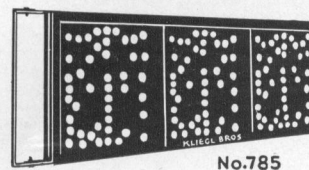


For concealed indirect light where the light source is hidden from view. Designed to be installed in coves, back of panels, around rotundas, under marquees, on cornice tops, etc. Consist of metal strips fitted with intermediate or medium screw-base lamp receptacles; completely wired; furnished with or without reflectors; in any length or curvature specified; made for both natural and color lighting effects. Prices on application; specify length of strip—straight or curved, and number of lights for each color per foot required.



No. 731—A new design, each unit universally and adjustably mounted so that it can be independently set to suit conditions and provided with the new type first surface rhodium G R C metal mirror reflectors with a hinged frame for colored glass roundels—thus affording a more flexible and more efficient light source for concealed lighting. They are made in two sizes: No. 731 with a short neck reflector for 100-watt lamps; and No. 731A with a long neck reflector for 150-watt lamps. Prices on application—specify length of strip—straight or curved, and number of lights for each color per foot required. For details on colored-glass roundels—see page 20.

CAB CALLS and NUMERAL FLASHERS



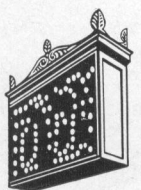
Rapid, quiet and effective means of calling vehicles to doorways of public buildings. Obviate confusion and shouting. Require no perforated key-cards or other contrivances. Are visible day and night; can be distinctly read from a distance of several blocks; and are unaffected by weather conditions. Calls are made single- and double-faced.

Consist of three numeral units, mounted side by side, having receptacles completely wired for lamps which outline the number called.

Numeral units are also furnished separate for assembly in special frames designed by architects.

Call switch is a self-contained separate unit, and has a complete set of numbered push buttons, corresponding with the call-range of the Call.

Numeral flashers are similar in construction to Cab Calls, but are used for announcing price quotations, score figures, and the like.



Kliegl Cab Call in special frame designed by architect

KLIEGL CAB CALLS AND NUMERAL FLASHERS

No.	Description	Call Range	Price
783	Single face call, 70 x 29½ x 5¾"; with call switch No. 794, wt. 180 lbs.	0-999	\$550.00
785	Double face call, 70 x 29½ x 11"; with call switch No. 794, wt. 360 lbs.	0-999	700.00
782	Single face call, 58 x 29½ x 5¾"; with call switch No. 795, wt. 140 lbs.	0-199	424.00
784	Double face call, 58 x 29½ x 11"; with call switch No. 795, wt. 280 lbs.	0-199	575.00
	Single Units; made of copper; for numerals 0-9:		
792	26" h x 19" w x 5" d; takes 47 8-14 bulbs.	0-9	95.00
791	18" h x 15" w x 3½" d; takes 47 8-11 bulbs.	0-9	90.00
790	13" h x 10" w x 3½" d; takes 47 8-6 bulbs.	0-9	80.00
789	7" h x 5¾" w x 2" d; takes 47 2½-volt miniature lamps.	0-9	70.00
794	Call Switch, flush mounting, for 3 unit call 0-999; surface plate 22" high, 14" wide; box 18½" x 10¾" x 7¾"; wt. 42 lbs.		165.00

Call "0" to "999" requires 34 wires, which can be installed in a 2" pipe.

TAXI CALLS

Attract attention of taxi drivers by flashing "Taxi". Usually mounted above doorway of street entrance. Operate silently and intermittently—the word "Taxi" being invisible except when illuminated by flashes of light. Are effective above noise of city streets. Flasher is a magnetically-controlled switch, which operates automatically. Made in several different designs, as listed, with gold-colored hammered glass face plates; backed with cut-out metal pattern word "Taxi", letters 4" high. Special designs, made to order.



No. 724



No. 723



No. 722

KLIEGL TAXI CALLS

No.	Description	Price
722	Three-faced square design, with brass and nickel brackets; wording on top, side and front; brass and nickel bronze finish; twin lamp socket and automatic-magnetic flasher within; hinged panel at rear. Over-all dimensions: 29" high, 6¾" wide, 6¾" deep—usually supplied for 18" overall extension from the wall, but can be varied to suit. Weight, 28 lbs.	\$80.00
723	Double-faced triangular design, with flasher; for flat surface mounting; wording on two sides; brass body, polished brass finish; twin lamp socket and automatic-magnetic flasher within. Overall dimensions: 25½" high, 9" wide, 6" deep. Weight, 16 lbs.	52.00
724	Double-faced box designs: Without flasher, for mounting on a pipe pedestal; wording on two opposite sides; box made of sheet copper with cast-bronze frames on either side, dull bronze finish; two medium screw-base lamp receptacles enclosed. Overall dimensions: 16" wide, 9" high, 5" deep—1½" pipe fitting. Weight 15½ lbs.	28.00
724A	With flasher enclosed in box with lamp receptacles. Weight 17 lbs.; otherwise same as No. 724.	38.00

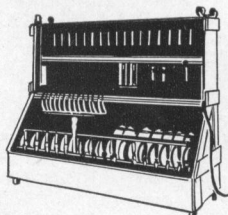
State in your order whether Call is to be used on alternating or direct current; also, voltage of circuit.

PORTABLE DIMMER BOXES

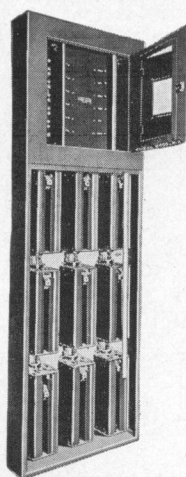
Designed for traveling theatrical companies, outdoor stages and other occasions where a temporary switchboard is required; also useful as an auxiliary to inadequate stage lighting installations.

Built in a trunk-like box, with casters and removable front, in which are assembled all the switches, dimmers, plugging receptacles, et cetera, necessary for the operation of stage lamps, border lights, footlights, and other lighting equipment.

Price quotations are furnished on receipt of full information as to the number of circuits to be controlled by dimmers, number of outlets for each circuit, whether dimmers are to be interlocking or non-interlocking, and whether Dimmer Box is to be wired for 2-wire or 3-wire circuits.



PANEL BOARDS with DIMMERS



No. 1209

Generally designed and built to specifications. Usually they are of the dead front type, as recommended by Underwriters, in which all switches, fuses, and other live parts are mounted on separate panels back of the board, and switches operated by specially constructed insulated handles which extend through the panel to the front of the board. Precautions are taken to insure durability, safety, and efficiency. All electrical parts comply in every detail with the requirements of the National Board of Fire Underwriters and City inspection; workmanship is guaranteed. Prices quoted on individual switchboard requirements.

No. 1209—Standard switchboard especially designed for lodge rooms, schools, dancing academies, and other similar locations where a small dead front panel board with dimmer equipment providing flexibility in light control, at a reasonably low cost, is desired. Toggle switches and slider type dimmers control the circuits. Usually white lights in footlight and first and second borderlights are controlled by the first vertical row of dimmers, blue lights by the second row, and red lights by the third row. A master device permits operation of three dimmers at once. A standard popular model for 12 circuits, and control of three colors, with 9 dimmers, 500 watts each. No live parts are exposed. No special attendant is required. Price..... \$444.00

COLORMATIC DIMMERS

For mobile color lighting control. Motor-driven cycle dimmers which regulate the intensity of one or more colors to produce color blends or motion. Consist of one or more dimmer plates, each controlling a group of lamp circuits of different colors, together with a motor-drive and associated apparatus. Several standard arrangements are here listed—but other desired combinations can be furnished.

KLIEGL COLORMATIC DIMMERS

No.	Capacity Watts	Description	Price
1295	400	1 plate with 3 400-watt circuits	\$220.00
1296	1000	3 1000-watt plates	330.00
1297	2000	3 2000-watt plates	330.00
1298	3000	6 1500-watt plates	528.00
1299	4000	6 2000-watt plates	528.00

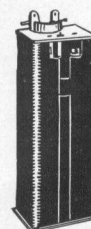
With enclosure: \$72.00 additional for 1000- and 2000-watt dimmers; \$88.00 additional for 3000- and 4000-watt dimmers.

DIMMERS, PLATE and SPOTLIGHT

Available in a complete range of designs and sizes, dimmers can be furnished for every conceivable purpose, single units or in special arrangements.

Portable Spotlight Dimmers

Made especially for light control of the high candle power 110-volt incandescent lamps used with spotlights and other stage lamps. Slider, with multiple spring contact, provides a smooth range of control from full-bright to black-out. Easily attached to pedestal stand—or can be mounted on a wall or other flat surface.



No. 1204

KLIEGL PORTABLE SPOTLIGHT DIMMERS For 2-Wire, 115-Volt Circuits

No.	Total Watts	Dimensions	Weight	Price
1201	300	13" x 5¼" x 5"	9½ lbs.	\$22.00
1202	500	13" x 5¼" x 5"	9½ lbs.	30.25
1203	750	17½" x 5¼" x 5"	12½ lbs.	35.20
1204	1000	17½" x 5¼" x 5"	12½ lbs.	35.20
1206	1500	26" x 5¼" x 5¼"	18 lbs.	77.00
1205	2000	26" x 5¼" x 5¼"	18 lbs.	77.00

Rectangular Plate Dimmers

Large capacity dimmer plates, used for controlling several incandescent spotlights or similar heavy duty; also with theatrical lighting effects, and for the regulation of current in various kinds of electrical devices. A sliding contact on a swinging arm makes connection with stationary contacts connected to the resistance element at various points.

KLIEGL RECTANGULAR PLATE DIMMERS
For 2-Wire, 115-Volt Circuits

No.	Total Watts	Size of Plate	Weight	Number of Plates	Price
1291	5000	15" x 24"	50 lbs.	1	\$66.00
1294	10000	15" x 24"	100 lbs.	2	136.40

Other sizes available, information and prices, on application.



No. 1241

Round Plate Dimmers

For use wherever light control is required. Rated for continuous duty. Made in a wide range of sizes and capacities from 60-watts upwards. For wall mounting. Strong compact construction. Resistance element protected against oxidation. Sliding spring contact. Design is such that they require less space, for the same capacity, than any other form of construction.

KLIEGL ROUND PLATE, NON-INTERLOCKING, DIMMERS
For 2-Wire, 115-Volt Circuits

No.	Total Watts	Size and Number of Plates	Weight	Price
1229	60	1-8"	12 lbs.	\$11.44
1230	110	1-8"	12 lbs.	11.44
1231	220	1-8"	12 lbs.	11.44
1232	330	1-8"	12 lbs.	11.44
1233	550	1-8"	12 lbs.	11.44
1234	660	1-8"	12 lbs.	11.44
1235	825	1-12"	23 lbs.	15.40
1236	1100	1-12"	23 lbs.	15.40
1237	1375	1-15"	40 lbs.	17.60
1238	1650	1-15"	40 lbs.	17.60
1239	2200	1-17"	50 lbs.	30.25
1240	2750	1-17"	50 lbs.	30.25
1240A	3000	2-15"	80 lbs.	52.80
1271A	3600	1-18"	26 lbs.	77.00
1241	3300	2-17"	100 lbs.	62.70
1242	4400	2-17"	100 lbs.	62.70
1243	5500	2-17"	100 lbs.	62.70
1277	7200	2-17"	100 lbs.	62.70

Dimmers for 3-wire circuits, prices on application.

DIMMER BANKS

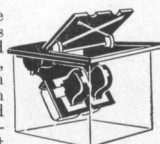
Where a large number of circuits are to be controlled, as in theatre lighting, Kliegl interlocking dimmers are furnished assembled in banks, with master handle for control of a group of dimmers, and a grand master that controls the entire bank. They can also be provided with a master control wheel for slow-motion dimmer-control and slow-motion cross-interlocking control. In every case the control is smooth, even, and easy, and will dim their load from full-bright to completely out without flickering. Price quotations, or estimates, furnished upon receipt of information giving details of requirements.

FLOOR POCKETS and PLUGS

Provide convenient plug outlets in the floor for connecting stage lamps and other portable electrical devices to supply circuits. They are made in two styles—Stage-floor pockets, and Waterproof floor pockets—with current capacities from 25- to 100-amperes.

Stage-Floor Pockets

Set in the stage floor flush with the surface. Have a hinged self-closing cover notched for cable—cover is always closed whether pocket is or is not in use. Fitted with 1, 2, 3, or 4 plug-receptacles (50-amperes for arc, 25-amperes for incandescent circuits). Provided with detachable sheet-iron box having conduit knockouts in three sides. Surface plate and cover are cast-iron, and under-frame supports porcelain receptacles at a convenient angle. Position of receptacles and opening at base prevent dirt and other foreign matter from lodging therein. Opening in bottom of box allows sweepings to fall through.



No. 352

Plugs are furnished with stage pockets. Tongue attached to receptacle frame indicates whether receptacle is intended for arc or incandescent lamps. Tongue fits corresponding groove in the plug, preventing insertion of arc

plug in incandescent receptacle, or vice versa—allows incandescent circuits to be fused lighter than arc circuits. Plates on cover also indicate rated capacity of individual pockets. Any desired combination, from one to four, of arc and incandescent pockets, can be furnished. Pockets and plugs are approved by Underwriters.

KLIEGL STAGE-FLOOR POCKETS AND PLUGS

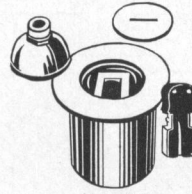
Listed by Underwriters' Laboratories
2-wire; 250-volts

No.	Number of Pockets	Rating of Receptacles	Weight	Price
351	1	1 50-amp.	17 lbs.	\$10.00
352	2	{ 1 50-amp. }	27 lbs.	18.00
353	3	{ 1 25-amp. }	32 lbs.	27.00
354	4	{ 4 25-amp. }	38 lbs.	36.00
1350	1	100-amp.	22 lbs.	20.00

Plugs are included in price of Pockets. Extra plugs also furnished; separately listed herein.

Waterproof Floor Pockets

Sets in the floor flush with the surface. Provided with special cover which prevents water and other foreign matter from entering receptacle. Used in schools, laboratories, industrial plants, theatres, and wherever a waterproof floor-pocket is desirable. Made for 50- and 100-ampere 2-wire, 250-volt circuits, and 30-ampere, 3-wire, 125-250 volt circuits.



No. 300

Cast iron floor box is drilled for 1" conduit; surface plate and cover are of brass. Two covers are furnished—one, bell-shaped, which fits over the cable connected to the plug and is screwed into the surface plate when plug is in place making outlet water-tight, the other a screw disc cover, used to close the box water-tight when the outlet is not in use.

Porcelain plug-receptacle with copper current carrying parts and terminal lugs is mounted in the floor box—can be readily removed for making connections. Plug is furnished with the floor pocket. Meets Underwriters' requirements.

KLIEGL WATERPROOF FLOOR-POCKETS AND PLUGS

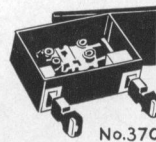
No.	Description	Weight	Price
299	3-wire, 30-ampere, 125-250 volts.....	19 lbs.	\$31.00
300	2-wire, 50-ampere, 250 volts.....	11 lbs.	18.00
304	2-wire, 100-ampere, 250 volts.....	19 lbs.	30.00

Plug included in price of pocket. Extra plugs furnished; listed separately

www.klieglbros.com

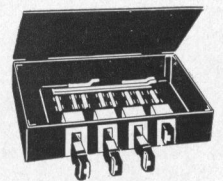
PANEL POCKETS and PLUGS

Consist of a metal cabinet or box fitted with plug receptacles completely wired to a panel, having bus bars and fuses—or to a branch cut-out. Used in theatre balconies, border bridges, projection booths, etc., for connecting spotlights and other portable electrical apparatus. Meet Underwriters' requirements.



No. 370

No. 370—Panel Pocket fitted with two 30-ampere plug-receptacles, and a double-branch fused cut-out, 3-wire to 2-wire; for plug fuses; completely wired. Enclosed in a weatherproof sheet-iron case with detachable cover. Furnished complete with plugs, No. 301 (reversible). Similar design, Panel Pocket No. 372, is fitted with 50-ampere plug receptacles and 50-ampere cartridge fuses.



No. 374

No. 374—Panel Pocket fitted with four 50-ampere plug receptacles and a slate panel with main bus bars 2- or 3-wire, arranged for and furnished with cartridge fuses (or link fuses if desired). Completely wired. Enclosed in iron cabinet with hinged door having a snap lock. Furnished complete with plugs. No. 301 (reversible). Also made with six or eight outlets, and can be furnished with still greater number of outlets on special order.

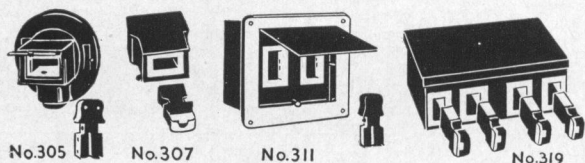
KLIEGL PANEL POCKETS AND PLUGS

2-wire; 250-volts

No.	Number of Pockets	Amperes	Dimensions			Price
			Length	Width	Depth	
370	2	30	11"	7"	4 1/2"	\$17.00
372	2	50	15"	8"	3 1/2"	28.00
374	4	50	23"	16"	3 3/4"	64.00
376	6	50	34"	16"	3 3/4"	100.00
378	8	50	39"	16"	3 3/4"	132.00

Plugs included in price of pockets. Extra plugs listed separately herein.

WALL POCKETS and PLUGS



Used wherever heavy current temporary connections are required. Made in both surface and flush wall types. Sizes range from 30-amperes to 400-amperes; 2-, 3-, and 4-wire; for 125-, 250-, and 500-volt circuits. Meets Underwriters requirements.

Surface Wall Types

For mounting on the surface of the wall. Extend from 2 1/4" to 6" from the wall, depending upon the rated capacity. Consist of porcelain plug-receptacles, with copper current-carrying parts and terminal lugs, fitted in a weatherproof iron box, suited for making conduit connections, and provided with a detachable cover.

Single pocket is made with a cast-iron box and cover. Nos. 305 and 306 have a self-closing drop-door; and are made in two styles, one arranged for 1" conduit entrance at the bottom (No. 305), the other for entrance at the top (No. 306). No. 307 is without a door, style as shown.

All other sizes have sheet-iron boxes. Plugs are furnished with the pockets. All two-wire plugs are reversible in the receptacle (except when ordered non-reversible); all 3-wire and 4-wire plugs are non-reversing.

KLIEGL SURFACE WALL TYPE POCKETS AND PLUGS

No.	No. of Pockets	Receptacle—Rating			Dimensions			Weight lbs.	Price
		Amps.	Wire	Volts	Height	Width	Depth		
305	1	50	2	250	6"	4 3/8"	2 1/4"	9	\$10.00
306	1	50	2	250	6"	4 3/8"	2 1/4"	9	10.00
307	1	50	2	250	6"	11"	4 1/2"	6	8.00
317	2	50	2	250	7"	11"	4 1/2"	12	14.00
318	3	50	2	250	7"	11"	4 1/2"	16	21.00
319	4	50	2	250	7"	11"	4 1/2"	20	28.00
1307	1	100	2	250	6 1/2"	5 1/4"	3 3/4"	7 1/2	16.00
4307	1	200	2	125	7"	11"	4 1/2"	13 1/2	25.00
2307	1	30	3	125-250	7 1/2"	5 1/4"	3 3/4"	7 1/2	17.00
2308	1	50	3	125-250	7"	11"	4 1/2"	14	25.00
3307	1	100	3	125-250	7"	11"	4 1/2"	14 1/2	30.00
322	1	200	3	125-250	11"	15"	6"	26	80.00
337	1	50	2	500	7"	11"	4 1/2"	12	17.00
1337	1	50	4	250-500	7"	11"	4 1/2"	12	22.50

Plugs included in price of pockets. For extra plugs, see separate list.

Flush Wall Type Pockets

Set in the wall flush with the surface. Consist of porcelain plug-receptacles, with copper current-carrying parts and terminal lugs, fitted in a cast-iron box, suited for making conduit connections. Made in two styles—one with a brass detachable face plate (single pocket only), the other with a cast-iron detachable face plate (one to four pockets), both types having hinged self-closing door; and can be furnished with or without lock and key. Pockets are furnished complete with plugs. All two-wire plugs are reversible in the receptacle (except when ordered non-reversing). All 3-wire and 4-wire plugs are non-reversing.

KLIEGL FLUSH WALL TYPE POCKETS AND PLUGS

Listed by Underwriters' Laboratories

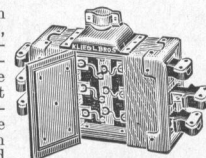
No.	No. of Pockets	Amperes	Dimensions					Weight lbs.	Price
			Box			Surface Plate			
			Height	Width	Depth	Height	Width		
2-wire; 250-volt									
*309	1	50	5 3/4"	4 1/2"	3 3/4"	7"	5"	6 1/4	\$11.50
310	1	50	5 3/4"	4 1/2"	3 3/4"	7 1/2"	6"	8	10.00
311	2	50	6"	7 1/2"	4"	7 1/2"	9"	11 1/2	16.00
312	3	50	6"	8 1/2"	4"	7 1/2"	10 1/2"	15	24.00
313	4	50	6"	10 1/2"	4"	7 1/2"	12 1/2"	18 1/2	30.00
1310	1	100	6"	5 1/2"	6"	7 1/2"	6 3/4"	17	18.00
4310	1	200	6"	7 1/2"	7"	7 1/2"	9 3/4"	19	27.00
3-wire; 125-250 volts									
2310	1	30	6"	5 1/4"	6"	7 1/2"	6 3/4"	17	19.00
2311	1	50	6"	8 1/2"	6"	7 1/2"	10 1/2"	13	27.00
3310	1	100	6"	8 1/2"	6"	7 1/2"	10 1/2"	15	32.00
3311	1	200	7"	13"	10"	9"	15 1/2"	30	96.00

* With brass face plate; all others have iron face plate.
Lock and key, extra \$1.50 per pocket.
Other sizes—prices on application.
Plugs included in price of pocket. Extra plugs listed separately herein.

PLUGGING BOXES, PORTABLE

For quickly and conveniently connecting several lighting units to a single outlet—furnishing extra plugging facilities and permitting independent arrangement of circuits to suit requirements—on the stage or elsewhere.

Consist of several plug receptacles mounted in a substantially made asbestos-lined wooden case, reinforced with aluminum end frames. Each receptacle fused independently. Positive and negative bus bars and fuse connections on separate sides of box—to eliminate possibility of short circuits. Self-closing doors with spring hinges provide access for making connections. Feeder cable enters box through a special clamp on top which securely grips the outer insulation of cable and prevents possible strains on connections when box is handled or pulled over the floor.



No. 392

Made for both 2-wire and 3-wire 125-250 volts feeder mains, 2-wire 125-volt outlets; for use with either cartridge or link fuses. Furnished complete with plugs. Meet Underwriters' requirements.

Portable plugging boxes for three-phase outlets, or for heavier current demands than those listed, are built to order.

KLIEGL PORTABLE PLUGGING BOXES

No.	Number of Pockets	Rating—Outlet		Weight lbs.	Price with Plugs
		Amperes	Volts		
2-wire main; 2-wire outlets					
400*	6	10 to 30	250	10 1/4	\$30.00
401*	12	10 to 30	250	20 1/2	58.00
390	2	10 to 30	250	9 1/2	14.00
391	4	10 to 30	250	14	27.00
392	6	10 to 30	250	19	40.00
393	8	10 to 30	250	24	54.00
396	4	35 to 60	250	20	27.00
397	6	35 to 60	250	25	40.00
3-wire 125-250 volt, main; 2-wire outlets					
402*	6	10 to 30	125	10 1/4	30.00
403*	12	10 to 30	125	20 1/2	58.00
381	4	10 to 50	125	17	29.00
382	6	10 to 50	125	23	43.50
383	8	10 to 50	125	31	58.00
398	4	35 to 60	125	21	29.00
399	6	35 to 60	125	27	42.00
387	6	75	125	31	63.00

Nos. 400, 401, 402, 403, 381, 382, and 383 are furnished with link fuses only, all others with cartridge fuses—unless otherwise ordered.

* Furnished with No. 301 Plug; all others are furnished with No. 301 Plug.

www.klieglbros.com

PLUGS for POCKETS



Plugs are furnished with floor pockets, wall pockets, and portable plugging boxes, but extra plugs are sometimes required and are therefore separately listed. Plug is made of solid fibre, practically indestructible and a perfect insulator. Cable extends through handle and is held firmly by a metal clamp which grips cable by the outer insulation, thus removes all strain from the terminal connections. Contact strips are of heavy copper, one strip fixed in position, other floating backed with a spiral spring to insure perfect contact at all times. Meet Underwriters' requirements.

KLIEGL PLUGS

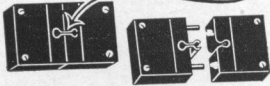
No.	Receptacle—Rating			Type*	Weight	Price
	Amperes	Wire	Volts			
301	50	2	250	R.	9 oz.	\$ 2.00
301 1/2	30	2	250	R.	4 oz.	1.25
302	25	2	250	N. R.	9 oz.	2.00
303	50	2	250	N. R.	9 oz.	2.00
389	100	2	250	R.	1 1/2 lbs.	7.50
1301	100	2	250	R.	1 3/4 oz.	7.50
4301	200	2	125	R.	2 1/4 lbs.	14.00
2301	30	3	125-250	N. R.	12 oz.	7.50
2302	50	3	125-250	N. R.	2 lbs.	12.00
3301	100	3	125-250	N. R.	2 lbs.	14.00
323	200	3	125-250	N. R.	8 lbs.	44.00

* R. means plug is reversible in receptacle. N. R. means it is non-reversible

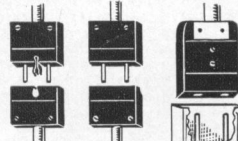
CONNECTORS, PIN-PLUG

Made of solid fiber, in two principal parts—one-half provided with brass split pins which fit brass sleeves in the other half. All live parts embedded in the fiber. Removable fiber plate gives access to terminals for making connections. Cable extends well into body of connector, and teeth on cover plate firmly grip outer insulation of cable, thus relieving binding screws and connections of all strain and preventing insulation from unraveling. Withstand severe usage.

Note: This spring



No. 1950



No. 1950 No. 950

Two-Pole Connectors

Two-pole connectors are for 2-wire circuits, and have two brass pins and corresponding sleeves. Above 30-ampere capacity connectors are provided with lugs for wire ends; above 60-ampere capacity they have an aluminum collar where sections join, projecting the pins and providing additional strength.

Regular 2-pole, 5- and 15-ampere connectors (Nos. 1950 and 1955) are furnished with a quick-break spring-catch.

Two-pole connectors can also be furnished for connecting two single conductors to duplex cable, or for connecting two pairs of single conductors—details on request. Ask for Bulletin No. 102.

KLIEGL 2-POLE CONNECTORS

Listed by Underwriters' Laboratories.

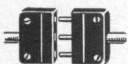
No.	Amperes	Volts	Cable No.	Style	Weight	Price
1950*	5	250	14	Rev.	4 oz.	\$1.10
1955*	15	250	12	Rev.	6 oz.	1.50
950	5	250	14	Rev.	4 oz.	1.10
955	15	250	12	Rev.	6 oz.	1.50
956	30	125	10	Rev.	10 oz.	2.40
957N	60	125	6	Non-Rev.	18 oz.	6.00
958N	100	250	2	Non-Rev.	2½ lbs.	10.50
959N	200	250	000	Non-Rev.	6 lbs.	19.80

* Connectors with spring catch.

Style: Rev.—Reversible. Non-Rev.—Non-Reversible. Nos. 1950, 1955, 950, 955, and 956 can be furnished non-reversible at an additional cost of \$1.00 list.

Multiple-Pole Connectors

Connectors with three or more poles. Similar in general design to two-pole connectors, except they are provided with the stated number of split-pins and corresponding sleeves; arranged in the most compact fashion; with cable passages of proper size to accommodate the multiple conductor cables; and reinforced with aluminum frames where additional strength is required. Furnished reversing and non-reversing as shown in listing.



No. 3950



No. 4950



No. 8950B



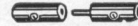
No. 8950A

KLIEGL MULTIPLE-POLE CONNECTORS

No.	Amperes	Volts	Cable No.	Style	Type	Weight	Price
3-pole Connectors							
3950	5	125-250	14	Rev.	Flat	½ lb.	\$2.40
3955	15	125-250	14	Rev.	Flat	¾ lb.	3.60
3956	30	125-250	10	Non-Rev.	Flat	1½ lbs.	5.00
3957	60	125-250	6	Non-Rev.	Flat	1¾ lbs.	7.00
3958	100	125-250	2	Non-Rev.	Flat	3½ lbs.	19.80
3959	200	125-250	000	Non-Rev.	Flat	9 lbs.	60.00
4-pole Connectors							
4950	5	250	14	Non-Rev.	Square	½ lb.	5.00
4955	15	250	12	Non-Rev.	Square	1 lb.	6.00
4956	30	250	10	Non-Rev.	Square	1¼ lbs.	7.50
4957	60	250	6	Non-Rev.	Square	2¼ lbs.	15.50
5-pole Connectors							
5950	5	250	14	Non-Rev.	Flat	½ lb.	7.50
5950A	5	125	14	Non-Rev.	Round	1¼ lbs.	13.00
*5950B	5	125	14	Non-Rev. (F)	Round	1 lb.	12.00
*5950C	5	125	14	Non-Rev. (M)	Round	1 lb.	12.00
8-pole Connectors							
8950A	5	125	14	Non-Rev.	Round	1¼ lbs.	14.00
*8950B	5	125	14	Non-Rev. (F)	Round	1 lb.	13.00
*8950C	5	125	14	Non-Rev. (M)	Round	1 lb.	13.00

* For wall mounting; (F)—female, (M)—male.

Single-Pole Connectors



No. 971

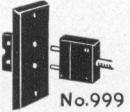
Consist of a brass split-pin fitted to a brass sleeve; both parts encased in fibre; holes in the outer ends for the insertion of wires, and screw to hold the wire in place. (100- and 150-ampere sizes are made of Bakelite and furnished with special sleeves. All larger sizes provided with terminal lugs.)

KLIEGL SINGLE-POLE CONNECTORS

No.	Amperes	Volts	For Cable No.	Weight	Price
971	5	250	14	1 oz.	\$0.24
972	15	250	12	2 oz.	1.50
973	30	250	10	4 oz.	2.50
974	60	250	6	¼ lb.	3.50
975	100	250	1	½ lb.	6.50
976	150	250	00	1 lb.	13.00

Flush Type Connectors

Consist of regular 5- or 15-ampere Kliegl connectors fitted to a flush plate, which fits a standard switch box; for permanent installation; providing a convenience outlet for electrical apparatus equipped with Kliegl standard two-pole connectors of capacity mentioned. Plate: 2¼" x 4½" is made of Bakelite.

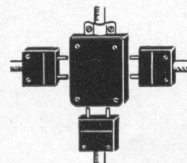


No. 999

KLIEGL FLUSH WALL-PLUG CONNECTORS

No.	Amperes	Volts	For Cable No.	Type	Weight	Price
999	5	250	14	Rev.	8 oz.	\$2.00
1000	15	250	12	Rev.	10 oz.	2.50

Plates with 2, 3, or 4 receptacles can be furnished—5- or 15-ampere, reversible or non-reversible. Prices on application.



No. 2950

Multiple Circuit Connectors

Provide several separate circuits from one feeder cable. Attached to end of cable; body has three pairs of brass sleeves inter-connected, which receive three separate 2-pole male end pin connectors, providing three 2-wire circuits.

KLIEGL MULTIPLE-CIRCUIT CONNECTORS

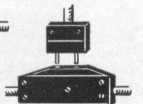
No.	No. of Circuits	Amp.	Volts	For Cable No.		Weight	Price
				Main	Outlets		
2950	3	5	250	12	14	12 oz.	\$3.60
2955	3	15	250	8	14	1¼ lbs.	5.00

Branch-off Connectors

Permit several circuits to be obtained from one feeder cable along its length, without making splices. Cable passes through full length of connector. Connections made with binding screws without cutting wire. Body made to receive Kliegl regular 2-pole 5-ampere male plug connectors. Made in single and double branch.



No. 990

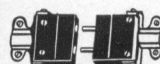


No. 995

KLIEGL BRANCH-OFF CONNECTORS

No.	Description	Amp.	Volts	Weight	Price
990	Single branch, with one plug.....	5	250	6 oz.	\$2.75
995	Double branch, with two plugs.....	5	250	8 oz.	3.50

Armored-Cable Connector



No. 977

No. 977—2-pole 15-ampere 250-volt connector for use with BX cable. Insulating parts of solid fibre, split-pin contactors of brass fitted to one-half and brass sleeves in the other. Provided with aluminum end pieces designed to grip securely the flexible steel armor of No. 14 BX cable. Weight 10 oz. Price \$3.30.

Battery-Charging Connector

No. 965—Non-reversible, 50-ampere, 125-volt, 2-pole split-pin type connector for use with No. 6 duplex cable—especially well adapted for use in garages for charging storage batteries and similar applications; all live parts are embedded in Bakelite; completely enclosed in aluminum casing which affords full protection from mechanical injury; lug terminals provided. Cover clamps in place and teeth grip cable insulation, and relieves connections of all possible strains. Weight 1¼ lbs. Price \$5.50.



No. 965

www.klieglbros.com

Low Voltage Connectors

For use with dry batteries and other low voltage systems. They are 2-pole split-pin connectors of current capacities listed, and are useful for connecting battery-operated stage effects and other low voltage devices.

KLIEGL LOW VOLTAGE CONNECTORS

No.	For Wire Gauge	Amperes	Volts	Weight	Price
984	No. 16 Wire	2	10	1 oz.	\$0.50
985	No. 14 Wire	5	10	2 oz.	.50
986	No. 14 Wire	10	10	3 oz.	.75
948	2-wire, Spring Clip	10	25	3 oz.	2.00
949	3-wire, Spring Clip	10	25	3 oz.	2.50

Portable Extension Strips

Provide a convenient service outlet for connecting several extensions—for temporary lights, portable electric tools, hand lamps and the like. Particularly useful in construction work, factories, railway shops and shipyards, and similar locations. They accommodate six Kliegl male plugs and two standard attachment plugs, as listed. The casing is of hard maple, moisture proof, and solid bronze bus bars within extend the full length of the strips. Means are provided for connecting a No. 8 feeder cable at one end, together with a removable aluminum cable clamp to relieve the cable of all strains.



No. 2952

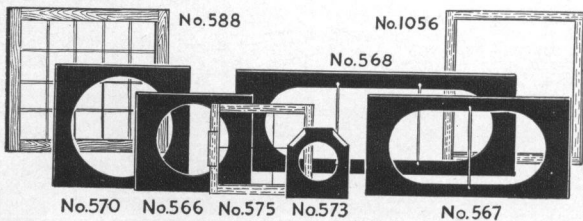
KLIEGL PORTABLE EXTENSION STRIPS

No.	Description	Plugs Accommodated	Wt. Lbs.	Price
2952	2-wire reversible	6, Kliegl No. 955 male plugs 2, attachment plugs	2	\$7.00
2953	2-wire non-rev.	6, Kliegl No. 955N non-rev. male plugs 2, attachment plugs, rev.	2	7.60
2956	3-wire reversible	6, Kliegl No. 3955 male plugs 2, attachment plugs	2	10.00
2957	3-wire non-rev.	6, Kliegl No. 3955N non-rev. male plugs 2, attachment plugs, rev.	2	10.60

List price does not include plugs.

COLOR FRAMES

www.klieglbros.com



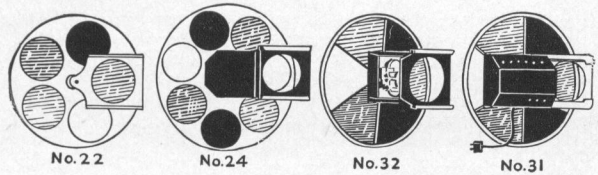
For use with open-box lights, spotlights, and other stage lamps and lighting apparatus. Made in all standard sizes for both gelatine and glass color-mediums. Special sizes or designs are made to order. Metal frames are made of sheet metal, in two parts, so arranged that they can be conveniently clamped together, with the color medium between. Wooden frames are also made in two halves, clamped together with wood screws, and fitted with guard wires.

KLIEGL COLOR FRAMES

No.	Size of Frame	No. of Colors	Applications—used with Kliegl Products, Catalog Nos.	Price
Metal frames for gelatine color mediums				
573	4" x 4"	1	66, 67	\$0.20
574	5 1/4" x 6"	1	53	.25
576	6 1/2" x 6 1/2"	1	43	.75
566	8" x 9"	1	5, 6, 9, 10, 11, 15, 16, 60, 70, 71,	.30
567	8" x 15"	2	6N14, 6N19	.85
568	8" x 21"	3		1.50
570	10" x 11"	1	8, 18, 21, 74, 8N16, 8N20, 8N24, 1694, 1695	.75
580	12" x 12"	1	533	1.00
577	12" x 12 1/2"	1	540	1.00
572	12 3/4" x 12 3/8"	1	1701	1.25
578	12 3/4" x 14"	1	541	1.25
582	14 1/2" x 14 1/2"	1	550, 552	1.30
581	16" x 16"	1	2N, 537	1.50
585	18" x 20"	1	1N, 1N3	2.00
Wooden frames for gelatine color mediums				
589	16" x 16"	1	2N	.55
588	18" x 20"	1	1N, 1N3	.55

Other sizes, of metal or wood, with or without color mediums—prices on application.

COLOR WHEELS



Used on spotlights for changing color of the light projected—rotary frames designed to hold several gelatine color mediums. Made for hand movement or automatic control—with clockwork or motor-driven mechanism. Support fits into slide grooves provided on all spotlights. Any combination of colors can be furnished.

Hand-operated color wheels are circular disk frames, pivoted at their center; with supporting bracket attached, and provisions for five or more colors.

Automatically-operated color-wheels may be controlled from a distant point. Pressing and releasing a button or switch, turns the wheel from one color to the next. Clock-driven automatic color-wheels are equipped with electro-mechanical control devices. Motor-driven color-wheels are controlled by closing and opening the motor circuit—motor is either a universal type operating on alternating or direct current, or a motor for alternating current only—as mentioned in listing.

String-operated color wheels are moved by a string passing over a pulley, intended especially for use with spotlight No. 66A. Spotlight can be located high above the floor, as in a ball room, and color-wheel operated from the floor by pulling the string.

Rotary color illusion color wheels are larger in diameter than lens of the spotlight and are pivoted at a point corresponding to the center of the lens or light beam. When turned they give a rotary color effect.

KLIEGL COLOR WHEELS

No.	Description	Price
22	Hand Operated: 18" dia. wheel; with 5 colors; for 5" or 6" spotlights; weight 2 1/2 lbs.	\$5.50
24	20" dia. wheel; with 7 colors; for 5" or 6" spotlights; weight 3 1/2 lbs.	7.50
	24" dia. wheel; with 5 colors; for 8" spotlights; weight 4 lbs.	11.00
Automatically Operated:		
Motor Driven:		
31	20" dia. wheel; 6 colors; with universal motor driven mechanism for A. C. or D. C.; for 5" or 6" spotlights; weight 10 1/2 lbs.	50.00*
31AC	Same as No. 31, except furnished with motor for alternating current only; weight 5 1/2 lbs.	40.00*
35	24" dia. wheel; 5 colors; with universal motor driven mechanism for A. C. or D. C.; for 8" spotlights; weight 12 1/2 lbs.	75.00*
35AC	Same as No. 35; except furnished with motor for alternating current only; weight 7 lbs.	65.00*
Clock Driven:		
32	20" dia. wheel; 6 colors; with clockwork mechanism and electro-magnetic control; for 5" or 6" spotlights; weight 6 1/2 lbs.	32.00
String Operated:		
27	10" dia. wheel; 4 colors; for spotlight No. 66A; weight 1 1/2 lbs.	5.00
Rotary Illusion:		
28	8" dia. wheel; 6 colors; showing all colors at one time; for 5" or 6" spotlights; weight 1 lb.	9.00

* Can be furnished with colored heat-resisting glass in place of gelatine medium; \$10.00 extra.

COLOR BOXES



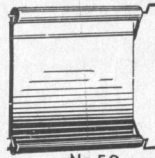
Used with spotlights. Permit a quick change of color and protect the gelatine color mediums against damage. Consist of a metal box fitted with six color-frames—any desired combination of colors, arranged to be quickly placed in or out of position. If desired two or more colors may be used at the same time. An attachment, which fits into slide grooves on the spotlight, holds the color box in place.

KLIEGL COLOR BOXES

No.	Description	Price
26	For 6" spotlights; is provided with control levers for operating 5 color frames and one blinder; sheet-metal box 17" x 10" x 5", enclosed on four sides, finished in black enamel; weight 10 lbs.	\$22.00
26A	For 8" spotlights; same design as No. 26, but larger size; 24" x 12" x 5"; weight 14 lbs.	28.00

COLOR ROLLS

To produce twilight and other color-lighting effects. Consist of an oak frame, 20" x 18", with a roller on top and bottom. Silk color medium, 12 ft. in length, is wound around the rollers; prepared throughout its length with colors in the following sequence: white, lemon, amber, light red, dark red, light blue, dark blue, and black; adjoining colors are skillfully blended together. Arrangement permits movement of colors in either direction from light tones to dark tones or vice versa. Frame fits slide grooves on open-box lights. Also made in 7½-foot lengths, with five colors, for open-box lights—and a smaller design, with seven colors, for use with spotlights.



KLIEGL COLOR-ROLLS

No.	Description	Price
Color Rolls:		
50	8 colors; complete with frame; for open-box lights.....	\$40.00
51	5 colors; complete with frame; for open-box lights.....	35.00
243	7 colors; complete with frame; for spotlights.....	25.00
52	Single Sheets of Silk Medium, any color, in frame 18" x 20"; for open-box lights.....	3.00

GELATINE COLOR MEDIUMS

Strong, uniformly colored sheets of imported gelatine, 20" x 24" (except otherwise mentioned); stocked in a wide range of colors; also available in fancy combination of colors. Order by color number. Packing charge of 15 cents is added to orders under \$5.00. One hundred sheets packed weigh 7½ lbs.

KLIEGL GELATINE COLOR MEDIUMS

Color No.	Description (size 20" x 24")	Price per Sheet	Color No.	Description (size 20" x 24")	Price per Sheet
G-0	Clear.....	\$.14	G-31	Medium Blue.....	.14
G-1	Frosted (see also G-80).....	.14	G-32	Medium Dark Blue.....	.14
G-2	Straw.....	.14	G-35	Dark Blue.....	.14
G-3	Light Lemon.....	.14	G-36	Green Blue.....	.14
G-6	Medium Lemon.....	.14	G-37	Light Green.....	.14
G-9	Dark Lemon.....	.14	G-38	Medium Green.....	.14
G-10	Dark Amber.....	.14	G-39	Dark Green.....	.14
G-12	Medium Amber.....	.14	G-41	Very Dark Green.....	.14
G-13	Dark Amber.....	.14	G-42	Moonlight Blue (blue green).....	.14
G-14	Orange.....	.14	G-44	Surprise Pink.....	.14
G-15	Light Red.....	.14	G-69	Surprise Purple.....	.14
G-16	Medium Red.....	.14	G-77	Surprise Violet.....	.14
G-17	Dark Red.....	.14	G-45	Rainbow color combination.....	.50
G-18	Chocolate.....	.14	G-55	Spotted fancy color combination.....	.50
G-19	Rose Pink.....	.14			
G-20	Dubarry Pink.....	.14	G-80	Frosted only (size 24" x 24").....	.25
G-21	Magenta.....	.14			
G-22	Rose Purple.....	.14			
G-23	Dark Purple.....	.14			
G-27	Dark Violet.....	.14			
G-28	Light Violet.....	.14			
G-29	Very Light Blue.....	.14			

Gelatine color mediums can be furnished in rolls, 20" x 150 ft., any color; prices on application.

Above listed gelatine sheets are 0.04 of an inch in thickness. Sheets of double thickness can also be furnished at \$0.28 per sheet.

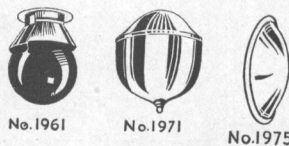
Carrying Cases for Gelatine Mediums can be furnished. They are used to store an extra supply of gelatines, and to protect the mediums from damage when being transported.

No.	Carrying Cases for Gelatine Mediums	Price
48	Round; 4" diameter, galvanized sheet iron.....	\$1.00
49	Square; 20" x 24" x 1", galvanized sheet iron.....	3.00

GLASS COLOR MEDIUMS

Color Globes—naturally colored glass globes with round smooth top—held in place over lamps by globe holder, with spring catch. Globe holder furnished separately.

Color Caps—naturally colored glass caps, with spring-wire clamp attached inside, which grips lamp bulb and holds cap in place. Separate aluminum re-



flector which fits over base of lamp is furnished with color caps.
Color Roundels—naturally genuine colored heat-resisting glass lenses, convex shaped, of various diameters, which fit reflectors in equipment designed for their use; for color lighting.
Color Inserts—flat sheets of naturally genuine colored special heat-resisting glass; cut to sizes to fit openings in standard color frames as used in special lighting equipment for color lighting. They are safe to use, light in weight and give the most brilliant color lighting effects.

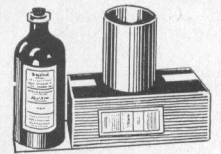
KLIEGL GLASS COLOR MEDIUMS

No.	Description	Price
Color Globes:		
1961	For 150-watt lamp; amber, red, blue or green.....	\$1.10
1964	Holder for color globe, with aluminum reflector.....	1.10
Color Caps:		
1967	For 75- to 150-watt lamp; with spring clamp and reflector; amber, red, blue or green.....	2.20
1971	For 200-watt lamp; otherwise same as No. 1967.....	2.40
1972	For 300- to 500-watt lamps; otherwise same as No. 1967.....	4.00
Color Roundels:		
Clear, canary, amber, red, blue or green; non-diffusing—		
1975	4" diameter.....	.50
1976	5½" diameter.....	.85
1977	6½" diameter.....	1.20
1978	7½" diameter.....	1.80
1979	8½" diameter.....	2.20
(Color roundels can also be furnished diffusing, when so ordered, at the same prices.)		
Color Inserts:		
Clear, red, blue, amber, or green; circular metal frame with sectional color glass inserts, see illustration, page 4.		
1978A	7½" diameter.....	2.75
1980A	11½" diameter.....	5.50
1981A	16" diameter.....	11.00

LAMP COLORING SOLUTIONS

For coloring incandescent lamps. Made in several different grades.

"Weatherproof" is recommended for permanent coloring of lamps exposed to the weather; a trans-
 parent coloring solution in six colors; white, light blue, medium blue, dark blue, and green.



"Opalescent" for use outdoors where it is desired that the color last for a period of several months; a quick-drying high-grade lamp coloring; furnished in eight colors: white opal, yellow, light amber, dark amber, red, pink, blue, and green. For interior decoration and home use it is also made in delicate colors with an opal froster. Special colors are made to order.

"Signaloid" for stage lighting and other lamps used indoors. Produces a brilliant and durable color transparency. Stocked in the following colors: frostine, yellow, amber, red, pink, purple, blue, green, and moonlight blue; special colors made to order.

KLIEGL LAMP COLORING SOLUTIONS

Description	Price Per Quart	Price Per Pint
"Weatherproof" lamp coloring.....	\$5.00	\$2.70
"Opalescent" lamp coloring.....	3.00	1.60
"Signaloid" lamp coloring.....	2.50	1.35

COLORINE REMOVER

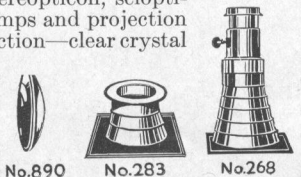


No. 1945

Instantaneously removes old color coatings from electric lamp bulbs. Will not injure or affect the hands, and is non-inflammable—simply dissolve compound in hot water, and dip lamps in the solution. One pound of Colorine Remover makes 2½ gallons of solution. Kliegl Lamp Colorine Remover one-pound carton. No. 1945. PRICE \$0.35.

LENSES

Carefully selected lenses for stereopticon, sciop-
 tion, spotlight, and other stage lamps and projection apparatus; tested for optical perfection—clear crystal glass, ground to accurate size and focus; free from flaws, carefully annealed; tough and clear; transmit light beams without affecting or changing colors; accurately control the light rays; stocked in a wide variety of sizes.



Condensing Lenses

For spotlights, and other projection apparatus; standard plano-convex; clear optical glass, ground to accurate size and focus.

KLIEGL CONDENSING LENSES

No.	Dia.	Focus	Price	No.	Dia.	Focus	Price
890	4 1/2"	6 1/2"	\$1.10	906	6"	13"	\$2.50
891	4 1/2"	7 1/2"	1.10	907	6"	15"	2.50
892	4 1/2"	9"	1.10	909	8"	8"	8.80
896	5"	5 1/2"	3.50	910	8"	9"	7.50
897	5"	7 1/2"	1.80	911	8"	10"	6.50
898	5"	9"	1.80	912	8"	12"	6.00
899	5"	12"	1.80	913	8"	13"	5.80
901	6"	7"	4.40	914	8"	15"	5.50
902	6"	8"	3.50	915	8"	18"	5.50
903	6"	9"	2.50	916	8"	20"	5.50
904	6"	10"	2.50	917-12	10"	12"	18.00
905	6"	12"	2.50	917-18	10"	18"	17.50
				917-26	10"	26"	17.50

Special heat-resisting condensing lenses can be furnished—prices on application. Condensing lenses in larger sizes are also available.

Objective Lenses

Sciopticon objective lenses used with sciopticons and stereiopticons for projecting slides, and scenic and fantastic effects. They are furnished complete, lenses mounted in adjustable brass tube, with holder that fits slide groove on Effects and projection apparatus. Short-range objective lenses are intended primarily for use where the distance from the projection apparatus to the screen or drop is comparatively short. Normal-range or half-size objective lenses are for intermediate distances, and have a series of lenses mounted in an adjustable brass tube. Long-range objective lenses are similar to half-size objectives, except they are mounted in longer tubes, to facilitate long-distance focusing.

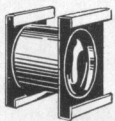
KLIEGL OBJECTIVE LENSES

Short Range (full size)			Normal Range (half size)			Long Range (half size)		
No.	Focus	Price	No.	Focus	Price	No.	Focus	Price
280	12	\$18.00	267	8	\$25.00	271	18	\$25.00
281	10	18.00	268	10	25.00	272	20	25.00
282	8	18.00	269	12	25.00	273	24	28.00
283	6	18.00	270	15	25.00	274	30	30.00
284	4	18.00				275	36	32.00

Polyscope Projector Lenses

Used with stereiopticon, permits projection of the same size picture, none of distance of 40 to 80 feet, simply by adjusting a thumb screw. Kliegl Polyscope Lens, No. 278. PRICE \$55.00.

Extension Lens



No. 878

For spotlights, used to increase the projection range of standard range 5" and 6" spotlights; gives a 3-foot spot at a distance of 100 feet, is made of sheet metal, fits slide grooves on spotlights, is provided with slide grooves for color frames, and accommodates a condensing lens which is held in place by a split ring; furnished complete with 6" lens. Weight 3 1/4 lbs. Kliegl Extension Lens, No. 878. PRICE \$7.50.

EFFECT HOLDERS

Holders are made of cast aluminum, provided with a condensing lens held firmly in place; has spring ring-collar or shield which prevents light leakage. They are provided with grooves for holding effects in place, and arranged to fit into the grooves on spotlights and sciopticons, being held firmly in position by set screws.



No. 838

KLIEGL EFFECT HOLDERS

No.	Description	Price
838	With 5" dia. lens; weight 4 lbs.	\$8.50
838A	With 6" dia. lens; weight 4 lbs.	8.50
838B	With 8" dia. lens; weight 7 1/2 lbs.	12.00

SHUTTERS and BLINDERS

Used with spotlights and other projection apparatus for controlling and framing light areas, for fading off and fading on light effects, and for producing lightning flashes. They fit slide

grooves provided on all Kliegl spotlights, are available in a number of standard designs, and are made to order when required.

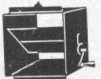
Framing shutters frame stage openings or parts of drop curtain when light-and-stage effects are projected; furnished complete in the various forms illustrated.



No. 257

Iris Shutter controls the light from black out to a pin point and to full intensity. Used for fading on and off, and for spotting objects with a ray of light before projecting full strength of light beam. Is made with cast aluminum frame and diaphragm leaves of special black-metal; provided with a lever for controlling diaphragm opening.

Lightning Shutter produces a sudden momentary flash of bright light characteristic of lightning. No. 237 consists of a square sheet-metal tube containing a revolving shutter, operated by a handle, which when turned allows intermittent flashes of light to be projected.



No. 237



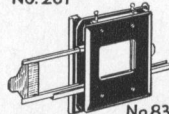
KLIEGL SHUTTERS AND BLINDERS

No.	Description	Price
Framing Shutters:		
33	Sheet metal; for effects.	\$1.50
33A	Sheet metal; for water ripple effects.	1.50
33B	Sheet metal; 9" x 8"; for 5" spotlights.	1.50
33C	Similar 33B; 11" x 10"; for 8" spotlights.	2.00
33D	Sheet metal; 12" x 8"; for 5" spotlights.	2.50
33E	Similar 33D; 15" x 11"; for 8" spotlights.	4.50
34	Double adjustable; for 6" spotlights.	3.50
34A	Double adjustable; for 8" spotlights.	4.50
Blinders:		
33F	Mica; for effects.	2.50
33G	Tin; for effects.	.50
Iris Shutters:		
257	With 5 1/2" opening; wt. 1 3/4 lbs.	15.00
258	With 8" opening; wt. 5 1/2 lbs.	22.00
2260	With 10" opening; wt. 7 lbs. (Iris shutters of larger openings or special design made to order.)	75.00
256	Iris Dissolver: For 1/2 size objective.	30.00
237	Lightning Shutter	12.00
238	For all lightning sciopticon effect.	3.50
239	For cloud lightning sciopticon effect.	3.50

SLIDE CARRIERS and ADAPTORS



No. 261



No. 839

Slide Carriers, used with projection apparatus, permit slides to be changed quickly and conveniently. Are made of wood and of metal. Hold two ordinary lantern slides, inserted through openings in top of carrier.

Adaptor for Slide Carriers, permits regular lantern slides to be used with sciopticons. Consists of a metal frame that fits grooves in front of Effect Holder on sciopticons.

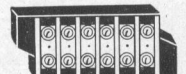
Holds slide carrier, and is provided with grooves in front to hold objective-lenses.

KLIEGL SLIDE CARRIERS AND ADAPTORS

No.	Description	Price
Slide Carriers:		
261	Of wood; for slides 3 1/4" x 4"	\$1.50
262	Of wood; for slides 4 3/4" x 5 5/8"	2.50
263	Of wood; for slides 6 1/4" x 5 5/8"	3.50
264	Of metal; for slides 3 1/4" x 4"	2.50
839	Adaptor, with Slide Carrier No. 261.	5.00

TERMINAL BLOCKS

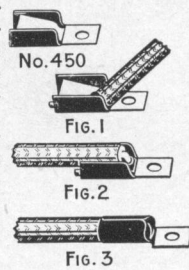
For wiring connections; avoids the necessity of splicing and soldering cables; furnished installed in the splice box of Kliegl Borderlights and other lighting apparatus; made of Bakelite; arranged for six single circuits. No. 637, Kliegl Terminal Block; weight, 1/4 lb. PRICE \$0.75.



No. 637

TERMINAL LUGS, SOLDERLESS

Copper terminals, especially designed for use as terminal ends for stage cable or asbestos-covered wires connected to an arc lamp, resistor, or wherever terminals are exposed to heat. Are made of stamped copper, and easily attached, without soldering, to any flexible or solid wire, with pliers or hammer. Wires cannot possibly drop out as is frequently the case where solder type terminals, exposed to the heat, are used. Specially designed pliers for closing the lugs can be furnished.

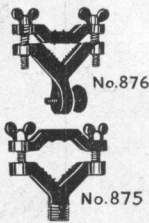


KLIEGL SOLDERLESS TERMINAL LUGS
Listed by Underwriters' Laboratories

No.	Description	Price
Solderless Terminals:		
450	for No. 10 and 12 asbestos cable; 25 amperes... per 100	\$6.00
460	for No. 8 and 6 asbestos cable; 50 amperes... per 100	9.60
461	for No. 4 and 2 asbestos cable; 100 amperes... per 100	16.00
459	for No. 1 asbestos cable; 150 amperes... per 100	25.00
Special Pliers:		
470	for Terminals No. 450.....	2.75
471	for Terminals No. 460 and 461.....	4.75

Special prices, for solderless terminals in quantities, on application.

PIPE CLAMPS



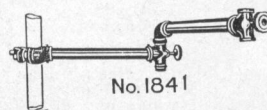
Facilitate mounting of spotlights and open-box lights on pipes in any position or location desired; are quickly and easily attached, grip the pipe firmly, and hold the lamp securely in place. Two sizes, one to fit pipes from 1/2" to 1 1/4" in size, the other for pipes from 1 1/2" to 2"—wide range is obtained by reversible top; one end of which is slotted so that clamp may be removed from pipe without removing clamp screws. Made of cast brass; finished in black enamel; in three styles—one with threaded stem for pipe coupling connection; another with flange and thumb nut for pivoted mountings; and a third with a flat-bottom stem and set screw.

KLIEGL PIPE CLAMPS

No.	Description	Price
Small Size, for 1/2" to 1 1/4" Pipes:		
875	With threaded stem for 1/2" pipe coupling; weight, 1 1/2 lbs.....	\$1.75
876	With flat flange and thumb nut; weight 1 1/2 lbs.....	1.75
877	With smooth stem and set screw; weight 1 1/2 lbs.....	1.75
Large Size, extra heavy, for 1 1/2" to 2" Pipes:		
880	With flat flange and thumb nut; weight 4 1/4 lbs.....	5.50

SWIVEL BRACKETS, for Spotlights

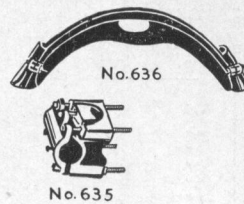
Substantial adjustable swivel bracket for mounting heavy spotlights (like Nos. 70 and 72) on an upright pipe support, back of the proscenium opening—for spot and flood lighting the stage from the side wings. Consists of two 12" lengths of iron pipe, joined together with a swivel coupling and having an extra-heavy brass pipe clamp (No. 880) for fastening to the upright pipe support, located on one end of the bracket, and a swivel socket with hand clamp, to receive the spotlight yoke, attached to the other end.



KLIEGL SWIVEL BRACKETS

No.	Description	Price
1840	With 1 1/2" pipe clamp, and 1/2" pipe arms; weight, 5 lbs....	\$6.00
1841	With 2" pipe clamp, and 1" pipe arms; weight, 10 lbs.....	11.00

CABLE SUPPORTS, BORDERLIGHT



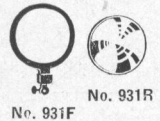
Relieve borderlight of all cable strains, and support flexible cable so that it will not be injured by its own weight, or by being frequently raised and lowered. Consist of two units, a cradle and cable-clamp; both made of cast iron, finished in black enamel.

KLIEGL BORDERLIGHT CABLE SUPPORTS

No.	Description	Price
Cable Clamps:		
635	For 1 1/4" pipe.....	\$3.50
6352	For 2" pipe.....	6.50
Cradle Support:		
636	For cable, 5/8" to 1 1/4" dia.....	3.50
6362	For cable, 1 1/2" to 2 1/2" dia.....	6.50

REFLECTORS for Spotlights

Placed back of the lamp in Kliegl incandescent spotlights to fully utilize the light source and increase the intensity of the light beam. The arc concave reflectors—special first surface rhodium G R C metal mirror reflectors, which will not tarnish, peel or discolor under the heat of a 1000 watt lamp or silvered-mirror glass reflectors—as listed. Aluminum frames with an adjustable bracket, for mounting on the focusing arm of the spotlight, supporting the reflector back of the lamp—can also be furnished, as listed.



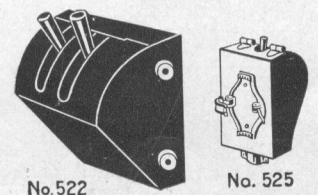
KLIEGL REFLECTORS FOR SPOTLIGHTS

No.	Description	Size	Weight lbs.	Price
Reflectors:				
927	Mirrored Glass.....	2 3/4"	1/4	\$2.00
929	Mirrored Glass.....	3 3/4"	1/4	1.60
931	Mirrored Glass.....	5 1/4"	3/8	6.50
934	Mirrored Glass.....	7"	1 1/8	9.00
928R	Rhodium Plated.....	2 1/4"	1/8	.75
927R	Rhodium GRC Metal.....	2 5/8"	1/8	2.00
931R	Rhodium GRC Metal.....	5 1/4"	3/4	3.00
Aluminum Frames:				
929F	For No. 929 reflectors.....	3 3/4"	1/8	1.00
927F	For No. 927 reflectors.....	2 5/8"	1/8	1.00
931F	For Nos. 931 and 931R reflectors.....	5 1/2"	1/8	1.50
934F	For No. 934 reflectors.....	7"	1/4	2.00

SWITCHES, ENCLOSED

For pedestal mounting. Main switches are double-pole, single-throw, non-fused 125-volt knife-blade switches, on a slate base, enclosed in an approved metal box, provided with a hinged clamp and swinging wing-nut for fastening switch box to 1" stand pipe of arc spotlights and other stage apparatus; special bushing grips cable; slotted hinged cover allows access to switch. Thirty-ampere switch box is made entirely of aluminum. Other sizes are made with cast-aluminum base and sheet metal housing; black enamel finish.

Booster switches comprise a quick break main switch together with one or more separately operated single pole switches, mounted on the same base and enclosed in box. They are used with heavy current arc spotlights, to permit starting or operating arc at low amperage.

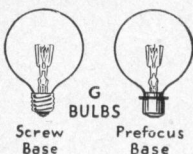


KLIEGL ENCLOSED SWITCHES

No.	Description	Price
Main Switches:		
525	30-amperes, 125-volts; with pipe-clamp for 1" pipe....	\$4.75
526	60-amperes, 125-volts; with pipe-clamp for 1" pipe....	6.00
527	100-amperes, 125-volts; with pipe-clamp for 1" pipe....	9.00
Booster Switches:		
522	75-100-amperes, 250-volts; 3 pole; 2 step.....	30.00
523	150-200-amperes, 250-volts; 3 pole; 2 step.....	35.00

LAMPS, INCANDESCENT

All styles of incandescent lamps for lighting devices and general illumination—both concentrated filament and standard types, stocked in large quantities, and sold at regular lamp-contract prices.



Concentrated-Filament Incandescent Lamps

For spotlights, floodlights and other projection apparatus

Watts	Volts	Bulb	Base	Fila-ment	Light Center	Price
75	115	G-16½ spot.	Bayonet Candelabra.	C-5	1 3/8"	\$1.75
100	115	P-25 spot...	Medium Screw.....	C-5	3"	1.00
100	115	P-25 flood...	Medium Screw.....	C-5	3"	1.15
100	115	P-25 spot...	Medium Prefocus....	C-5	2 3/16"	1.15
250	115	G-30 spot...	Medium Screw.....	C-5	3"	1.75
250	115	G-30 flood...	Medium Screw.....	C-5	3"	1.75
250	115	G-30 spot...	Medium Prefocus....	C-5	2 3/16"	1.90
400	115	G-30 spot...	Medium Screw.....	C-5	3"	3.00
400	115	G-30 flood...	Medium Screw.....	C-5	3"	3.50
400	115	G-30 spot...	Medium Prefocus....	C-5	2 3/16"	3.50
500	115	G-40 flood...	Mogul Screw.....	C-13	3"	3.00
500	115	T-20 proj...	Medium Screw.....	C-13	3"	3.00
500	115	T-20 proj...	Medium Prefocus....	C-13	2 3/16"	3.00
1000	115	T-20 proj...	Mogul Prefocus....	C-13A	3 7/16"	6.50
1000	115	G-40 spot...	Mg. Sc. Short Neck..	C-5	4 1/2"	6.75
1000	115	G-40 spot...	Mg. Sc. Long Neck...	C-5	5 1/4"	6.75
1000	115	G-40 spot...	Mogul Prefocus....	C-5	3 15/16"	7.15
1000	115	G-40 flood...	Mg. Sc. Long Neck..	C-5	5 1/4"	6.75
1000	115	T-20.....	Mogul Prefocus....	Bi-Plane	3 7/16"	9.25
1000	115	T-24.....	Bi-Post.....	Bi-Plane	.....	11.50
1500	115	G-40 spot...	Mogul Screw.....	C-5	5 1/4"	9.00
1500	115	G-40 spot...	Mogul Prefocus....	C-5	3 15/16"	9.40
1500	115	G-48 flood...	Mogul Screw.....	C-5	5 1/4"	10.00
1500	115	T-24.....	Bi-Post.....	Bi-Plane	.....	13.75
2000	115	G-48 spot...	Mogul Screw.....	C-5	5 1/4"	14.00
2000	115	G-48 spot*	Mogul Screw.....	C-13	5 1/4"	13.50
2000	115	G-48 spot...	Mogul Prefocus....	C-5	3 15/16"	14.40
2000	115	G-48 spot*	Mogul Prefocus....	C-13	3 15/16"	13.90
3000	32	GT-38 proj..	Prong.....	C-13B	7"†	30.00
5000	115	G-64.....	Bi-Post.....	C-13	6 1/2"	40.00
5000	115	.....	Bi-Post.....	Bi-Plane	.....	60.00
10000	115	G-96.....	Prong.....	C-13	12"†	100.00

* For motion picture studio use.

† Exclusive of base prongs.

Standard Type Incandescent Lamps

For footlights, borderlights and general lighting service—110-120 volts

Watts	Bulb	Base	Price
10	S-11 clear.....	Inter. Screw.....	\$0.25
10	S-14 clear.....	Med. Screw.....	.20
15-75	A inside frosted.....	Med. Screw.....	.20
100	A inside frosted.....	Med. Screw.....	.25
150	P. S. -25 clear.....	Med. Screw.....	.60
200	P. S. -30 clear.....	Med. Screw.....	.80
300	P. S. -35 clear.....	Mogul Screw.....	1.25
500	P. S. -40 clear.....	Mogul Screw.....	2.00
750	P. S. -52 clear.....	Mogul Screw.....	3.75
1000	P. S. -52 clear.....	Mogul Screw.....	4.00
1500	P. S. -52 clear.....	Mogul Screw.....	5.75
2000	P. S. -52 clear.....	Mogul Screw.....	13.00
25	T-6 1/2 clear.....	Inter. Screw.....	.45
25	T-10 clear.....	Med. Screw.....	.35
40	T-8 clear.....	Med. Screw.....	.90

Lamps for 220-volt circuits can also be furnished from stock.

CABLE, STAGE, BORDERLIGHT, ETC.

Stage Cable: exceptionally flexible; made up of a large number of fine copper strands bound together; insulated with rubber and a tough braided covering—without stiffening compounds of any kind. National Electric Code Standard. Carried in following stock sizes—other sizes made to order:

KLIEGL STAGE CABLE

Size of Cable B & S No.	Description	Carrying Capacity Amperes	Price per 100 Feet
18	2-Conductor.....	3	\$3.90
16	2-Conductor.....	6	4.45
14	2-Conductor.....	15	6.10
12	2-Conductor.....	20	10.30
10	2-Conductor.....	25	12.80
8	2-Conductor.....	35	20.00
6	2-Conductor.....	50	28.60
4	2-Conductor.....	70	42.30
2	2-Conductor.....	90	59.80
1	2-Conductor.....	100	67.50
0	2-Conductor.....	125	79.00
00	2-Conductor.....	150	107.20
0000	2-Conductor.....	225	131.00
8	3-Conductor.....	70	30.00
6	3-Conductor.....	100	47.40
4	3-Conductor.....	140	61.30
1	3-Conductor.....	200	97.80
00	3-Conductor.....	300	139.00
14	5-Conductor.....	15	15.30

Borderlight Cable: multiple conductor, flexible cable of approved N. E. C. standard. Made up in sizes with from 3 to 28 conductors of No. 12 gauge stranded flexible cable—as shown in listing, carried in stock. Single conductor cables also carried in stock so that other sizes and combinations can readily be made to order.

KLIEGL BORDERLIGHT CABLE

Number of Conductors	Size of Cable B & S No.	Carrying Capacity Amperes	Price per 100 Feet
3.....	12	20	\$15.50
4.....	12	20	20.40
6.....	12	20	30.30
8.....	12	20	40.60
12.....	12	20	71.20
14.....	12	20	81.50
16.....	12	20	93.00
18.....	12	20	102.80
20.....	12	20	123.60
24.....	12	20	143.20
28.....	12	20	.....

Asbestos-Covered Flexible Cable: single conductor, extra flexible, stranded cable, with a double covering of asbestos braid; approved by Underwriters, and especially well suited for use with stage and motion picture lighting apparatus.

KLIEGL ASBESTOS-COVERED CABLE

Size of Cable B & S No.	Description	Carrying Capacity Amperes	Price per 100 Feet
16	Single Conductor, extra flexible.....	10	\$6.00
14	Single Conductor, extra flexible.....	20	7.00
12	Single Conductor, extra flexible.....	25	8.00
10	Single Conductor, extra flexible.....	30	11.00
8	Single Conductor, extra flexible.....	50	16.00
6	Single Conductor, extra flexible.....	70	22.00
4	Single Conductor, extra flexible.....	90	35.00
2	Single Conductor, extra flexible.....	125	52.00
1	Single Conductor, extra flexible.....	140	73.00

Rubber-Covered Flexible Cable: twin conductor flexible stranded cable with a very durable all-rubber covering made to withstand the harsh treatment.

KLIEGL ALL-RUBBER-COVERED CABLE

Size of Cable B & S No.	Description	Type	Carrying Capacity Amperes	Price per 100 Feet
18	2-Conductor.....	SJ	3	\$5.20
18	2-Conductor.....	S	3	7.50
16	2-Conductor.....	S	6	9.00
14	2-Conductor.....	S	15	13.80
12	2-Conductor.....	S	20	17.00
10	2-Conductor.....	S	25	21.50

TRUCK, for Spotlights

Steel cross-frame fitted with four ball-bearing casters and four thumb-screw clamps; which provides means for moving lighting apparatus about, over the floor, quickly and easily. It is designed to be attached to the round base of Kliegl Spotlights or similar apparatus, having a floor stand with a round base 14 1/4" in diameter. No. 879, Kliegl Truck for Spotlights; weight 10 lbs. PRICE \$5.00.



CARBONS, for Arc Lamps

Arc lamp carbons, both cored and solid, of the best domestic and imported grades, are carried in stock in large quantities and all sizes.

Cored and Orotip Projector Carbons

In combinations, for Direct Current

Amperes	Size and Kind	Standard Package Contains	Price per 1000
25	1/2" x 12" Cored Projector.....	100	\$90.00
	5/8" x 6" Orotip, solid or cored.....	100	65.00
25-50	5/8" x 6" Cored Projector.....	100	75.00
	5/8" x 12" Cored Projector.....	50	120.00
50-65	5/8" x 6" Orotip, Solid or Cored.....	100	65.00
	3/4" x 6" Cored Projector.....	100	95.00
65-70	3/4" x 12" Cored Projector.....	50	155.00
	1 1/8" x 6" Orotip, solid or cored.....	100	70.00
70-85	1 1/8" x 12" Cored Projector.....	50	200.00
	1 1/8" x 6" Orotip, solid or cored.....	100	70.00
85-120	1 3/8" x 12" Cored Projector.....	50	200.00
	3/8" x 6" Orotip, solid or cored.....	100	75.00
120-140	1" x 12" Cored Projector.....	50	275.00
	1 1/8" x 6" Orotip, cored.....	100	80.00
	1 1/2" x 12" Cored Projector.....	10	290.00
	1 1/2" x 6" Orotip, cored.....	100	85.00

White Flame Projector Carbons

In combinations, for Alternating Current

Amperes	Size and Kind	Standard Package Contains	Price per 1000
25-40	1/2" x 12" White Flame, upper.....	50	\$100.00
	1/2" x 6" White Flame, lower.....	50	75.00
40-60	5/8" x 12" White Flame, upper.....	50	130.00
	5/8" x 6" White Flame, lower.....	50	85.00
60-75	3/4" x 12" White Flame, upper.....	25	160.00
	3/4" x 6" White Flame, lower.....	50	100.00
75-100	7/8" x 12" White Flame, upper.....	25	205.00
	7/8" x 6" White Flame, lower.....	50	150.00

White flame A. C. projector carbons are also furnished put up in sets; each set consisting of one 12" upper and two 6" lower carbons.

Amperes	Size and Kind	Standard Package Contains		Price per 100 Sets
		Upper	Lower	
25-40	1/2" Combination, 100 sets.....	50	100	\$24.00
40-60	5/8" Combination, 100 sets.....	50	100	29.00
60-75	3/4" Combination, 100 sets.....	25	50	35.00
75-100	7/8" Combination, 100 sets.....	25	50	45.00

White Flame and Panchromatic Carbons

For photographic and photo-engraving arc lamps

Size		Kind	Standard Package Contains	Price per 1000
Diameter	Length			
3/8"*	4"	White Flame, cored:		
		Photographic.....	100	\$48.00
		Photographic.....	100	104.00
		Photographic.....	50	63.00
		Photographic.....	100	126.00
		Photographic, copper coated..	100	131.00
3/8"*	12"	Photographic.....	50	187.00
	1 1/8"*	Panchromatic.....	100	114.00
		Panchromatic.....	100	140.00
Panchromatic.....		100	206.00	

* Ten millimeters.

PARTS, MISCELLANEOUS

For arc lamps, spotlights, etc. Ample stock of various parts for all standard types of Kliegl lighting specialties; carried on hand to facilitate easy and prompt replacement, in case of necessity resulting from loss or accidental injury in service.

SUNDRIES, MISCELLANEOUS

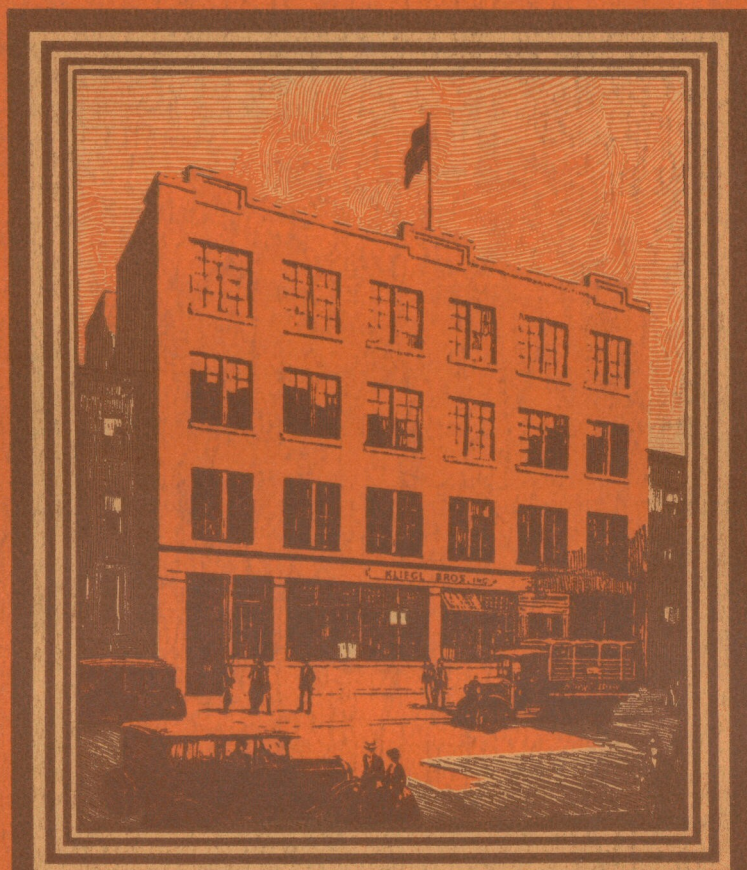
A complete stock of sundries is carried, including: lamp receptacles and sockets; switches, all types and sizes; stage screws; stage braces; binding posts; gauze for scenic effects; flame-shaped globes, etc., etc.—in fact anything required for theatrical, decorative, or spectacular lighting.

www.klieglbros.com



INDEX of CATALOG NUMBERS

No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
1N.....	9	83.....	10	240.....	11	396.....	17	603.....	4	729.....	12	931.....	22	1204....	15
1N3.....	9	90.....	10	243.....	20	397.....	17	604.....	4	731.....	14	931F....	22	1205....	15
2N.....	9	94.....	10	244.....	9	398.....	17	608.....	4	733.....	14	931R....	22	1206....	15
6.....	6	98.....	10	245.....	9	399.....	17	609.....	4	734.....	14	934.....	22	1209....	15
7.....	6	100.....	10	247.....	10	400.....	17	610.....	4	735.....	14	934F....	22	1229....	16
6N14....	7	103.....	10	248.....	10	401.....	17	612.....	4	736.....	14	950.....	18	1230....	16
6N19....	7	104.....	10	249.....	10	402.....	17	620.....	3	737.....	14	955.....	18	1231....	16
8N20....	7	105.....	10	253.....	11	403.....	17	621.....	3	739.....	14	956.....	18	1232....	16
8N24....	7	106.....	10	256.....	21	450.....	22	622.....	3	744.....	13	957N....	18	1233....	16
9.....	6	107.....	10	257.....	21	459.....	22	624.....	3	747.....	13	958N....	18	1234....	16
10.....	6	108.....	10	258.....	21	460.....	22	627.....	3	748.....	13	959N....	18	1235....	16
11.....	6	112.....	10	261.....	21	461.....	22	629.....	3	750.....	13	965.....	18	1236....	16
18.....	6	117.....	10	262.....	21	470.....	22	635.....	22	751.....	13	971.....	18	1237....	16
21.....	6	122.....	10	263.....	21	471.....	22	636.....	22	752.....	13	972.....	18	1238....	16
22.....	19	129.....	10	264.....	21	513.....	6	637.....	21	759.....	13	973.....	18	1239....	16
23.....	19	132.....	10	276.....	7	514.....	6	646.....	13	766.....	13	974.....	18	1240....	16
24.....	19	135.....	10	276A....	7	515.....	6	649.....	14	768.....	13	975.....	18	1240A..	16
26.....	19	138.....	10	276B....	7	516.....	6	650.....	14	777.....	13	976.....	18	1241....	16
26A.....	19	150.....	10	277.....	8	522.....	23	651.....	14	779.....	13	977.....	18	1242....	16
27.....	19	151.....	10	279.....	8	523.....	23	652.....	14	781.....	9	984.....	19	1243....	16
28.....	19	154.....	10	280.....	21	525.....	23	653.....	13	782.....	15	985.....	19	1271A..	16
31.....	19	155.....	10	281.....	21	526.....	23	654.....	13	783.....	15	986.....	19	1277...	16
31AC....	19	155A-E..	10	282.....	21	527.....	23	655.....	13	784.....	15	990.....	18	1291....	16
32.....	19	158.....	10	283.....	21	531.....	9	658.....	13	785.....	15	995.....	18	1294....	16
33.....	21	161.....	10	294.....	21	533.....	9	669.....	8	789.....	15	999.....	18	1295....	15
33A.....	21	164.....	10	299.....	16	534.....	9	673.....	14	790.....	15	1000....	18	1296....	15
33B.....	21	167B....	10	300.....	16	537.....	9	673A....	14	791.....	15	1040....	11	1297....	15
33C.....	21	168.....	10	301.....	17	540.....	9	674.....	14	792.....	15	1050....	11	1298....	15
33D.....	21	175.....	10	301½....	17	541.....	9	675.....	14	794.....	15	1056....	11	1299....	15
33E.....	21	176.....	10	302.....	17	546.....	9	676.....	14	821.....	13	1072....	11	1301....	17
33F.....	21	179A....	10	303.....	17	547.....	9	677.....	14	827.....	3	1073....	11	1307....	17
33G.....	21	181.....	10	304.....	16	548.....	9	678.....	14	828.....	3	1144....	11	1310....	17
34.....	21	186.....	10	305.....	17	548A....	9	680.....	12	829.....	3	1144A..	11	1337....	17
34A.....	21	188.....	10	306.....	17	550.....	9	685.....	12	830.....	3	1145....	11	1350....	16
35.....	19	192.....	10	307.....	17	551.....	8	686.....	12	830A....	3	1147....	11	1591....	9
35AC....	19	195.....	10	309.....	17	552.....	9	688.....	12	831.....	3	1147A..	11	1592....	9
43A.....	7	196.....	10	310.....	17	556.....	8	690.....	12	838.....	21	1148....	11	1593....	9
48.....	20	201.....	11	311.....	17	557.....	8	692.....	12	838A....	21	1148A..	11	1600....	8
49.....	20	202.....	11	312.....	17	558.....	8	693.....	12	838B....	21	1149....	11	1610....	8
50.....	20	204.....	11	313.....	17	561.....	8	694.....	12	839.....	21	1150....	11	1620....	8
51.....	20	204A....	11	317.....	17	565.....	9	694B....	12	875.....	22	1151....	11	1622....	8
52.....	20	209.....	11	318.....	17	566.....	19	694C....	12	876.....	22	1152....	11	1695....	6
53.....	7	209A....	11	319.....	17	567.....	19	695.....	12	877.....	22	1153....	11	1701....	6
53A.....	7	214.....	11	322.....	17	568.....	19	695B....	12	878.....	21	1155....	11	1840....	22
53B.....	7	215.....	11	323.....	17	570.....	19	695C....	12	879.....	24	1161....	2	1841....	22
53C.....	7	215A....	11	337.....	17	572.....	19	696.....	12	880.....	22	1166....	2	1945....	20
53E.....	7	224.....	11	351.....	16	573.....	19	697.....	12	890.....	21	1166B...	2	1950....	18
53S.....	7	224B....	11	352.....	16	574.....	19	697A....	12	891.....	21	1166S...	2	1955....	18
61A.....	7	224C....	11	353.....	16	576.....	19	697W...	12	892.....	21	1168....	2	1961....	20
62.....	7	224D....	11	354.....	16	577.....	19	698.....	12	896.....	21	1168B...	2	1964....	20
66A.....	7	224E....	11	370.....	16	578.....	19	698W...	12	897.....	21	1168S...	2	1967....	20
70.....	7	225.....	11	372.....	16	580.....	19	699.....	12	898.....	21	1170....	9	1971....	20
70A.....	7	226.....	11	374.....	16	581.....	19	699W...	12	899.....	21	1172B...	8	1972....	20
70B.....	7	226A....	11	376.....	16	582.....	19	716.....	12	901.....	21	1173B...	8	1975....	20
70C.....	7	226B....	11	378.....	16	585.....	19	717.....	12	902.....	21	1176....	8	1976....	20
71.....	7	226C....	11	381.....	17	588.....	19	720.....	12	903.....	21	1176B...	8	1977....	20
72B.....	8	226D....	11	382.....	17	589.....	19	722.....	15	904.....	21	1180....	11	1978....	20
73B.....	8	228F....	11	383.....	17	591.....	5	723.....	15	905.....	21	1183....	11	1978A..	20
74.....	7	228G....	11	387.....	17	594.....	5	724.....	15	927.....	22	1185....	11	1979....	20
75.....	10	230.....	11	389.....	17	597.....	5	724A....	15	927F...	22	1190....	11	1980A..	20
75N.....	10	233.....	11	390.....	17	598.....	5	725.....	12	927R...	22	1191....	11	1981A..	20
77.....	10	237.....	21	391.....	17	599.....	5	726.....	12	928R...	22	1201....	15	2000....	10
77A.....	10	238.....	21	392.....	17	600.....	4	727.....	12	929.....	22	1202....	15	2001....	10
78.....	10	239.....	21	393.....	17	602.....	4	728.....	12	929F...	22	1203....	15	2002....	10



KLIEGL BROS

UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC.

ESTABLISHED 1896

321 WEST 50th STREET
NEW YORK, N.Y.

www.klieglbros.com