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**KLIEGL**  
THEATRICAL  
DECORATIVE  
SPECTACULAR  
**LIGHTING**



**1929**  
CONDENSED CATALOG

A selected group of  
Kliegl Products for the  
Electrical Trade

### Wall Pockets and Plugs

For use wherever heavy-current temporary circuits are required. They are made in both surface and flush wall types, in sizes which range from 30 to 400-ampere; 2, 3 and 4-wire; for 125, 250 and 500-volt circuits; furnished complete with plugs and are approved by Underwriters.

**Surface Wall Type Pockets and Plugs**—For mounting on surface of walls in horizontal, vertical or angular position. Consist of Kliegl porcelain plug receptacles, with copper current-carrying parts and terminal lugs, fitted in weatherproof iron box suitable for making conduit connections, and provided with detachable cover. Single pocket made with cast iron box and cover; all other sizes have sheet iron boxes. Kliegl plugs furnished with pockets; all 2-wire plugs reversible in receptacle except when ordered non-reversing; all 3-wire and 4-wire plugs are non-reversing.



No. 307



No. 319

KLEGL SURFACE WALL TYPE POCKETS AND PLUGS

No.	No. of pockets	Receptacle rating		Dimensions, in.			Price	Code word
		Wire	Amps.	Volts	Height	Width		
307	1	2	30	250	5	4 1/4	2 1/4	Hood
317	2	2	30	250	7	11	4 1/4	Harshuk
318	3	2	30	250	7	11	4 1/2	Heapef
319	4	2	50	250	7	11	4 1/2	Heartlet
3307	1	2	100	250	6 1/2	5 1/2	3 1/2	Huracn
4307	1	2	200	125	7	11	4 1/2	Hydrome
2307	1	3	30	125/250	7 1/2	5 1/4	3 1/2	Hominiz
3307	1	3	100	125/250	7	11	4 1/2	Holatm
338	1	2	100	500	7	11	4 1/2	Huryua

Other sizes on 2, 3 or 4-wire pockets on application.

**Flush Wall Type Pockets and Plugs**—Set flush with surface of wall. Consist of Kliegl porcelain plug receptacles, with copper current-carrying parts and terminal lugs, fitted in cast iron box, suitable for making conduit connections. Two styles—with brass detachable face plate (single pocket only); with cast iron detachable face (1 to 4 pockets); both types have hinged self-closing door. Pockets furnished with Kliegl plugs. All 2-wire plugs are reversible in receptacle except when ordered non-reversing; all 3-wire and 4-wire plugs are non-reversing.



No. 308



No. 311

KLEGL FLUSH WALL TYPE POCKETS AND PLUGS

No.	No. of pockets	Dimensions, in.			Price	Code word		
		Height	Width	Depth				
*308	1	3 1/4	4 1/2	3 1/4	7	5	\$15.00	Hannie
310	1	5 1/4	4 1/2	3 1/4	7 1/2	6	10.00	Haten
311	2	6	7 1/2	4	7 1/2	9	16.00	Hawh
312	3	6	8 1/2	4	7 1/2	10 1/2	24.00	Hawser
313	4	6	10 1/2	4	7 1/2	12 1/2	30.00	Haze

\*With brass face plate, and with lock and key.

†With iron face plate; without lock and key.

Receptacle rating: 2-wire, 50 amperes, 250 volts.

Other sizes, 2 or 3-wire, also 100 and 200 ampere pockets, on application.

### Panel Pockets and Plugs

Consist of a metal cabinet or box fitted with Kliegl plug receptacles completely wired to a panel having busbars and fuses, or to a branch circuit.

Approved by Underwriters.

**No. 370**—For use in machine shops and other places where portable motor equipment is used. Fitted with two 30-ampere plug receptacles and a double-

branch 3-wire to 2-wire fused outlet; for plug fuses; completely wired; enclosed in weatherproof sheet iron case with detachable cover. Furnished complete with No. 301 Kliegl reversible plugs.

**No. 372**—Same as No. 370 but fitted with 50-ampere plug receptacles and cartridge fuses.

**No. 374**—Used primarily for theater balconies and border bridges, motion picture booths, photographic studios, etc., for connecting spotlights and other lighting apparatus. Fitted with four 30-ampere plug receptacles and slate



No. 370

panel with main busbars, 2-wire or 3-wire, arranged for and furnished with cartridge fuses, or with link fuses if desired. Completely wired; enclosed in iron cabinet with hinged door having snap lock. Furnished complete with No. 301 Kliegl reversible plugs.

**No. 376**—Same as No. 374 except that it is fitted with six 50-ampere plug receptacles.

No. 374

KLEGL PANEL POCKETS AND PLUGS

No.	No. of pockets	Receptacle rating		Dimensions, in.			*List price	Code word
		Wire	Amps.	Volts	Length	Width		
370	2	2	30	250	11	7	4 1/2	Labad
372	2	2	50	250	15	8	3 1/2	Labe
374	4	2	50	250	23	16	3 1/2	Labe
376	6	2	50	250	34	16	3 1/2	Lack

\*Prices include plugs.

Panel pockets for 8 or more receptacles on application.

### Portable Plugging Boxes

For quickly and conveniently connecting several lighting units to a single outlet. Constructed to withstand severe usage.

Consist of plug receptacles in groups of 2, 4, 6, 8, 10 or 12, mounted in an asbestos-lined wooden case, reinforced with aluminum end frames; each receptacle fused independently; positive and negative busbars and fuse connections on separate slate panels mounted on opposite sides of box to eliminate 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 outer insulation of cable and prevents possible strains on connections when box is handled or pulled over the floor.

Made for 2-wire and 3-wire feeder mains, 2-wire outlets, in 2 types—one interchangeable for use with cartridge or link fuses, the other for link fuses only.

Plugs furnished with these boxes are Kliegl No. 301 50-ampere, 2-wire; body made of solid fiber, practically indestructible and a perfect insulator; cable extends well into handle; cable clamp with teeth grips outer insulation of cable (relieving connections and binding screws of all strain and preventing unraveling of insulation); contact strips are heavy copper, one fixed in position, the other floating and backed with a special spring so as to expand in the receptacle, insuring perfect contact.

KLEGL PORTABLE PLUGGING BOXES

No.	No. of pockets	Rating—Outlets		\$Price	Code word
		Amperes	Volts		
2-wire Main—3-wire Outlets—For Cartridge or Link Fuses					
390	2	10 to 30	250	\$14.00	Latch
391	4	10 to 30	250	27.00	Loud
392	6	10 to 30	250	40.00	Lawn
393	8	10 to 30	250	54.00	Lawn
394	10	10 to 30	250	67.50	Leyns
3-wire, 125-250 Volt Main—2-wire Outlets—For Link Fuses Only					
381	4	10 to 60	125	29.00	Lagunda
382	6	10 to 60	125	43.50	Lakende
383	8	10 to 60	125	56.00	Lamech

Prices include plugs.

**Outdoor Floodlights**

Units of all description, 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 proper distribution of light.

No. 1600—Floodlight for 250 or 400-watt G 40 Mazda lamp; for close-range illumination; projects flood of evenly diffused light covering wide area; spun aluminum housing mounted on short stand, permits any angular setting; reflector is a special heat resisting parabolic mirror; fitted with medium-screw-base receptacle adjustable for focusing; glass front of heat-resisting diffusing-glass—half turn of rim removes front and permits access to interior; unit is weatherproof, entirely enclosed, of high efficiency. Wt. 10 lb. No. 1601, of similar design, is fitted with mogul screw-base receptacle and accommodates 500-watt G 40 Mazda lamp.

No. 1610—Floodlight for 1000 watt PS Mazda lamp, projects concentrated beam of light long distance; fitted with special heat resisting mirrored-glass reflector, 13 1/2 in. in diam., mounted within housing; mogul-screw-base receptacle with adjustment for focusing; housing of cast aluminum and sheet metal, weatherproof and thoroughly ventilated; clear-glass front lens is set in hinged frame, permitting access to interior. Floodlight is mounted in swivel yoke on short stand permitting any desired setting. Wt. 31 lb. This unit is also made mounted on a 3-ft. pedestal stand (No. 1611). (Wt. 47 lb.) Nos. 1612 and 1613, similarly designed floodlights (weighing 31 and 47 lb. respectively), are made for giving wide spread of light.

No. 562—Floodlight for two 1000-watt PS Mazda lamps—a gigantic reflector for floodlighting large open spaces; projects extremely wide spread of light without blinding glare. Body of reflector is cast aluminum, weatherproof, houses two mogul-screw-base receptacles, and designed to allow free circulation of air; base fitted with adjustable bracket permits mounting on pole or vertical support (usually about 30 to 40 ft. above ground); reflector hood made of galvanized sheet iron, spreads out to an opening 30 1/2 x 28 in. Substantially constructed throughout; comparatively light in weight (55 lb.) and can be easily handled. No. 563 of similar design accommodates one 1000 watt lamp, wt. 41 lb. Nos. 562-A, wt. 35 lb. and 563-A, wt. 28 lb., of same design, made with hood of sheet aluminum; interior surfaces of reflector chemically treated to retain high reflecting qualities for long time.

No. 565—Floodlight for one 1000 watt PS 52 or 500 watt PS 40 Mazda lamp. Large reflector for suspension mounting; reflects all light downward for lighting prizewight rings, etc. Weatherproof, with protected passages for free circuit of air. Fitted with mogul-screw-base receptacle; base is of cast aluminum, and reflector hood galvanized sheet iron; substantially constructed and comparatively light in weight:

32 in. high, with opening 24 in. in diam.; wt. 13 lb. Similar floodlight made of aluminum, wt. 6 1/2 lb.



No. 562

KLEGL OUTDOOR FLOODLIGHTS

No.	Description	Price	Code word
1600	For 250 or 400-watt G 40 lamp; with short stand.	\$30.00	Japon
1601	Same as No. 1600, for 500-watt G 40 lamp.	30.00	Jurabon
1610	For 1000-watt PS lamp, with short stand (concentrated light beam).	50.00	Juridio
1611	Same as No. 1610, with 3-ft. pedestal stand.	55.00	Jurisom
1612	For 1000-watt PS lamp; with short stand (wide spread light beam).	50.00	Jarto
1613	Same as No. 1612; with 3-ft. pedestal stand.	55.00	Jarsom
562	For two 1000-watt PS lamps; with bracket mounting.	80.00	Ondukt
562A	Same as No. 562; except hood is of sheet aluminum.	100.00	Onduk
563	For one 1000-watt PS lamp; with bracket mounting (similar to No. 562 except it is for one lamp).	50.00	Ondutra
563A	Same as No. 563; hood of sheet aluminum.	65.00	Ondelta
565	Suspension type, for one 500 or 1000-watt PS lamp.	35.00	Ondifero
565A	Same as 565; hood of sheet aluminum.	42.00	Ondonk

**Stage-floor Pockets and Plugs**

Used for connecting stage lamps and other devices to supply circuits. Pockets set in the floor flush with the surface and have hinged self-closing cover notched for cable. Furnished with detachable sheet-iron box having conduit knockouts in three sides. Surface plate and cover made of cast iron; cast iron frame on under side supports porcelain receptacles at convenient angle; position of receptacles and opening at base prevent dirt from lodging therein; opening in bottom of box allows sweepings to fall through. Plugs furnished with stage pockets. A tongue attached to receptacle frame indicates whether receptacle is intended for arc or incandescent lamps; tongue fits a corresponding groove in the plug, preventing insertion of an arc plug in an incandescent receptacle, or vice versa, and allows incandescent circuits to be fused lighter than arc circuit; plates on cover also indicate rated capacity of individual pockets. Any desired combination of arc and incandescent pockets, from 1 to 4, can be furnished. Pockets and plugs are approved by Underwriters.



No. 353

KLEGL STAGE-FLOOR POCKETS AND PLUGS

No.	No. of pockets	Rating of receptacles			*Price	Code word
		Amps.	Volts	No. of wires		
351	1	1-50	250	2	\$18.00	Hulaga
352	2	1-50; 1-25	250	2	16.00	Hulotte
353	3	3-25	250	2	24.00	Hulasan
354	4	4-25	250	2	30.00	Hulster
1350	1	100	250	2	20.00	Hedge

\* Plugs included in price of pockets.

**Waterproof Floor Pockets and Plugs**

Pocket sets in floor flush with surface. Special cover prevents water and dirt entering receptacle. Cast iron floor box drilled for 1-in. conduit. Two brass covers furnished—one bell-shaped, fits over cable connected to plug, screws into surface plate when plug is in place; the other is a screw disc cover used to close the box watertight when outlet is not in use. Plug receptacle is mounted in floor box; plug furnished with floor pocket. Approved by Underwriters.

KLEGL WATERPROOF FLOOR POCKETS AND PLUGS

No.	Description	Price	Code word
299	3-wire, 30-ampere, 125-250 volts.	\$31.00	Hacobots
300	2-wire, 30-ampere, 250 volts.	18.00	Hadoram
304	2-wire, 100-ampere, 250 volts.	30.00	Hedera

**Battery Charging Pocket and Plug**

Consists of plug receptacle enclosed in cast iron case, with opening for plug protected by self-closing drop door, usually mounted on surface of wall; used extensively for connecting storage batteries to charging circuits, also in theaters on fly floors, bridges, balconies and stage walls. Furnished complete with non-reversible plug. Capacity, 50 amp., 250 volts. Approved by Underwriters.



No. 305

KLEGL BATTERY CHARGING POCKETS AND PLUGS

No.	Description	Price	Code word
305	1-in. conduit entrance at bottom.	\$10.00	Hunch
306	1-in. conduit entrance at top.	10.00	Hyal

## Spotlights

Available in every form, all sizes, arc and Mazda types—properly designed for flexibility, ease of adjustment, thorough ventilation, correct lighting, maximum efficiency; comply with Underwriters' requirements.



No. 7



No. 1700



No. 12

No. 7—Arc Spotlight for average working distances of 40 ft. Gives a 4-ft. spot or a wide spread. Fitted with 25-amp., 125-volt arc lamp; 6-in. lens; hood light-tight and thoroughly ventilated, self-closing spring door for access to lamp; arc lamp mounted on slide rails with arm extending for quick focusing—arc crater can be properly positioned in respect to lens system. Slide grooves receive standard size color frames, color wheels and effect attachments. Mounted on telescopic iron stand; can be set at any angle, raised, lowered and turned in any direction. Furnished complete with enclosed fixed resistance mounted on base of stand, enclosed switch, asbestos covered leads, 25-ft. stage cable, and color wheel as illustrated. Weight, 65 lb. Spotlight No. 6 is same as No. 7, except it is furnished without color wheel.

No. 12—Arc spotlight so designed that all control operations are centralized—arc, 5-color frames, iris and curtain shutters, and direction of light beam are all controlled from back of spotlight. Gives 3-ft. spot at 150 ft., also a wide spread of light. Fitted with 70-ampere, 125-volt arc lamp, hand-feed type, mounted on slide rails with arms for focusing and arc control extending through rear of hood. Hood thoroughly ventilated and light-tight, large self-closing door permits access for carbon renewals or adjustments. Swing door in bottom permits removal of dirt. Fitted with 6-in. lens. Slide grooves for special color frames. Adjustably mounted on telescopic stand. Heavy substantial base eliminates vibration. Furnished with fixed resistance mounted on pedestal stand, complete with color frames, enclosed switch, and 25-ft. cable. Weight, 174 lb.

No. 1700—Arc spotlight—exceptionally powerful long distance spotlight, floodlight and effect projector—with entirely new principle of spot-flood control, providing in a single unit everything required for white lighting, color lighting, framing, fading, and spotlight light attachments; all controls centralized at rear, and other accommodations to facilitate convenient, speedy, and easy operation; projects any distance up to 150 ft.; gives anything required from 4-ft. spot to 50-ft. flood, any color. Equipped with 125-ampere, 125-volt arc lamp of hand-feed type—with means for adjusting carbons in every direction for centering arc. An 8-in. lens, mounted on removable carriage, focuses light without disturbing arc lamp. Color box for five different color changes is permanently attached to front of spotlight, iris and curtain shutters are part of its equipment. Lamp housing well ventilated, with large self-closing door permitting access to interior; flexibly mounted on a heavy telescopic pedestal base. Furnished with color frames, enclosed switch and asbestos leads. Separate resistance unit can be furnished. Weight, 282 lb.



No. 70

No. 66A—Mazda Spotlight for 250-watt concentrated filament lamp—fitted with medium-screw-base receptacle fixed in position; lens holder adjustable for focusing; equipped with 3½-in. condensing lens; hood provided with bracket support and thumbscrew swivel adjustment; can be mounted on wall, ceiling, pillar, or floor; can also be used as floodlight by removing lens; furnished complete with asbestos leads and color frames for gelatine mediums; can also be furnished with 3¾-in. chromium-plated metal reflector mounted back of the lamp to increase light volume. Weight, 4½ lb.

No. 53—Mazda Spotlight for 250-watt concentrated filament lamp; fitted with medium-screw-base receptacle adjustable for focusing; housing, thoroughly ventilated; adjustable strap-iron yoke support permits spotlight to be hung, mounted, or placed in any position. Furnished complete with asbestos leads and removable frame for gelatin color mediums. Weight, 9½ lb. Can be furnished with 3¾-in. chromium-plated reflector back of lamp bulb to increase the light volume. No. 53-A is Spotlight No. 53 fitted with wall bracket. No. 54, the same, equipped with round base; No. 55 has pipe clamp attached to yoke.

No. 70—Mazda Spotlight for 1000-watt concentrated filament lamp; with mogul screw-base receptacle; hood mounted in trunnion and swivel bearings. Equipped with 8-in. lens; slide grooves for color frames; receptacle on sliding base, with extension wing nut for focusing; 8-in. chromium-plated metal reflector back of lamp. Weight, 14 lb.

No. 70B—Mazda Spotlight—same as No. 70, except mounted on round base as illustrated. Weight, 18½ lb. Also furnished as spotlight No. 70C mounted on telescopic pedestal floor stand. Weight, 36 lb.

No. 72—Mazda Spotlight for 1000-watt G 48 or 2000-watt G 48 concentrated filament lamp, with automatically operated color frames. General design of spotlight is same as No. 70 except fitted with 6-in. lens and equipped with four color frames operated by an electro-magnetic device—permitting entire service of spotlight, including white lighting, color lighting, and dimming, all to be controlled from a distant point. One or more color frames may be thrown out of position in front of lens, permitting spotlight to be changed instantly to any color or any combination of colors, or all color frames removed for white lighting. May be located wherever requirements dictate—frequently in concealed and inaccessible places—yet controlled and operated without least difficulty from switchboard, or other convenient location. One or more of these spotlights can be controlled with equal ease, and one group will do the work that required several groups heretofore, and will give more light at lower cost. Weight, 54 lb.



No. 72

## KLEEGL SPOTLIGHTS

No.	Description	Price	Code word
6	Arc Spotlight, 25-amp., 6-in. lens.	\$ 59.00	Bebres
7	Arc Spotlight, (same as No. 6) with color wheel	64.50	Betria
12	Arc Spotlight, 70-amp., 6-in. lens	250.00	Berites
1700	Arc Spotlight, 125-amp., 8-in. lens; without resistance unit	460.00	Kobah
53	Mazda Spotlight, for 250-watt G 30 lamp; with 4½-in. lens, and color frame	10.00	Cervelle
53A	Mazda Spotlight; (same as No. 53 but with wall bracket)	12.00	Cervinse
54	Mazda Spotlight (same as No. 53 but with round base)	12.00	Cervona
55	Mazda Spotlight (same as No. 53 but with pipe clamp)	12.00	Chaleur
66A	Mazda Spotlight, for 250-watt G 30 lamp, 3½-in. lens; with wall bracket	16.00	Chicoter
70	Mazda Spotlight, for 1000-watt G 48 lamp, 8-in. lens; with pipe clamp	33.00	Chindi
70B	Mazda Spotlight (same as No. 70) with table base in place of pipe clamp	33.00	Chirrido
70C	Mazda Spotlight (same as No. 70, mounted on a 3-ft. telescopic pedestal floor stand)	39.50	Chirurca
72	Mazda Spotlight, for 1000-watt G 48 or 2000-watt G 48 Mazda lamp, with automatically controlled color frames and mounted on short base	130.00	Chivies
8N24	Mazda Spotlight for 2000-watt G 48 lamp, 8-in. lens; mounted on telescopic floor stand with casters	56.00	Behende

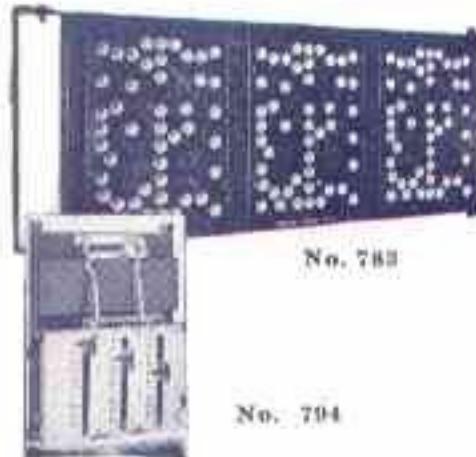
## Studio Lights

Incandescent "Klieglights," spotlights and floodlights—for motion-picture, sound, and commercial photography; a complete range of types and sizes; descriptive folder (Bulletin No. 101) forwarded on request.

### Auto, Carriage and Number Calls

**Auto-and-Carriage Calls**—Rapid and effective means of calling vehicles to doorways of theatres, hotels, department stores, and other public buildings. They obviate confusion and shouting; require no key-cards or other contrivances; are visible day and night; can be read from a distance of several blocks; and are unaffected by weather conditions.

**Number Calls**—Are similar devices but used for announcing price quotations, score figures, and the like.



No. 794

Kliegl Call Units  
Assembled In Special  
Frame

**No. 783 Call**—Constructed entirely of metal. Consists of three units placed side by side in a frame, each unit having receptacles completely wired for lamps which outline the numerals, ranging from 0 to 9. Calls are made single and double-faced with a call range from 0 to 999. Calls can also be made on special order with call range 0 to 199.

**No. 794 Call Switch**—Self-contained, is operated by sliding pointers to digits of number to be called, then closing a switch. It is encased in a weatherproof iron box provided with door, lock and key.

**No. 792 Numerical Units**—Like those used in the assembled call, but made of copper; furnished separate for assembling in specially designed frames constructed to harmonize with architectural plans.

### KLEGL AUTO, CARRIAGE AND NUMBER CALLS

No.	Description	Call range	Price	Code word
783	Single face call; 72x29½x6½"; 180 lbs.; with call switch No. 794; takes 41 S-14 lamps; requires 34 conductor twin 1½" conduit.	0-999	\$450.00	Regents
785	Double face call; 72x29½x11"; 360 lbs.; with call switch No. 794.	0-999	600.00	Replage
792	Single units for numerals 0-9; 26x19x5"; 41 lbs.; takes 47 S-14 lamps.	0-9	90.00	Rehagen
792A	Single unit numeral 1; 26x5½x5"; 10 lbs.	1	14.00	Reholm
793	Single unit for numerals 0-9; 15x9x3½"; takes 29 S-11 lamps.	0-9	80.00	Rehens
793A	Single unit numeral 1; 15x3x3½".	1	12.00	Rehob
794	Call switch (surface mounting); for three-unit calls; 22x16x8"; 80 lbs.	0-999	165.00	Rehins
795	Call switch (flush mounting) same as No. 794 but with surface plate 28x22"; 91 lbs.	0-999	165.00	Reculs
794A	Call switch (surface mounting) for three-unit calls; 22x12x8"; 70 lbs.	0-199	140.00	Reharts
795A	Call switch (flush mounting) same as No. 794A but with surface plate 28x18"; 80 lbs.	0-199	140.00	Refeis

Lamps and cable not included in list price. Calls and call switches for greater numeral range made to order.

### Piano and Organ Lights

No. 752—A stand-lamp with a pull-chain twin lamp socket, furnished complete with reflector, stand and 10 ft. of lamp cord; can be adjusted to any desired position; finish, dull brass; weight, 15 lbs.

Price, No. 752, Kliegl piano-and-organ light..... \$14.00  
Code word..... Rehalm



No. 752

### Music and Leader Stands

Designed to properly illuminate music scores—without eye-strain or glaring light leaks. Mounted on heavy cast-iron bases to assure equilibrium; equipped with telescopic pedestals so that they may be raised or low-

ered; made plain or fancy, with music-rests of metal and wood—for musicians and leaders. Standard designs kept in stock provide for all usual requirements. For special needs music and leader stands are made to order.



No. 742

No. 750

No. 815

### KLEGL MUSIC STANDS

No.	Description	Price	Code word
742	With open wood-frame music rest, 20x14¾" at set angle. Light fixture with one lamp key-socket enclosed in cast aluminum reflector, tilted to an adjustable bracket; cast iron tripod base with adjustable iron pedestal. Metal parts finished in black enamel; furnished with 8' of cable.	\$8.00	Reholt
750	With side guards; made of mahogany, 24x16½" Light fixture enclosed in cylindrical metal casing with bell-shaped ends; removable for lamp removal, with a section of rippled glass that diffuses the light evenly and softly over the music score; equipped with pull chain twin-lamp socket with silk shades. Round cast iron base; fancy wood pedestal adjustable for height and incline of music rack; base and pedestal finished in gold; wiring for light fixture passes through center of pedestal and out under base; furnished with 12' of cable.	25.00	Rehains
815	All-metal with light guard on all sides of music rest. Light fixture enclosed in a metal housing open at the bottom — attractive, simple and dignified lines; equipped with pull chain twin-lamp socket. Music rest 24x15" at set angle; cast iron tripod base; iron adjustable pedestal; finished in gold except inside surfaces of music rest, which are dull black; furnished with 8' of cable.	16.00	Vagner

Standard designs, other than those listed above are available.

### Panel Board with Dimmer Equipment

No. 1209—Small dead-front panelboard with dimmers, providing flexibility in light control, at a reasonable cost. A standard model for 12 circuits, with control of 3 colors having 9 dimmers, 500 to 1000-watts each. Designed for lodge rooms, schools, etc. Dead front type—all live parts mounted back of the board; toggle switch operated by insulated handles extending through to front of panel; slider-type dimmers control the circuits. White lights in footlight, and first and second border-lights are usually controlled by the first vertical row of dimmers, blue lights by the second row, and red lights by the third row. A master lever permits operation of three dimmers at one time. Meets with Underwriters' requirements.

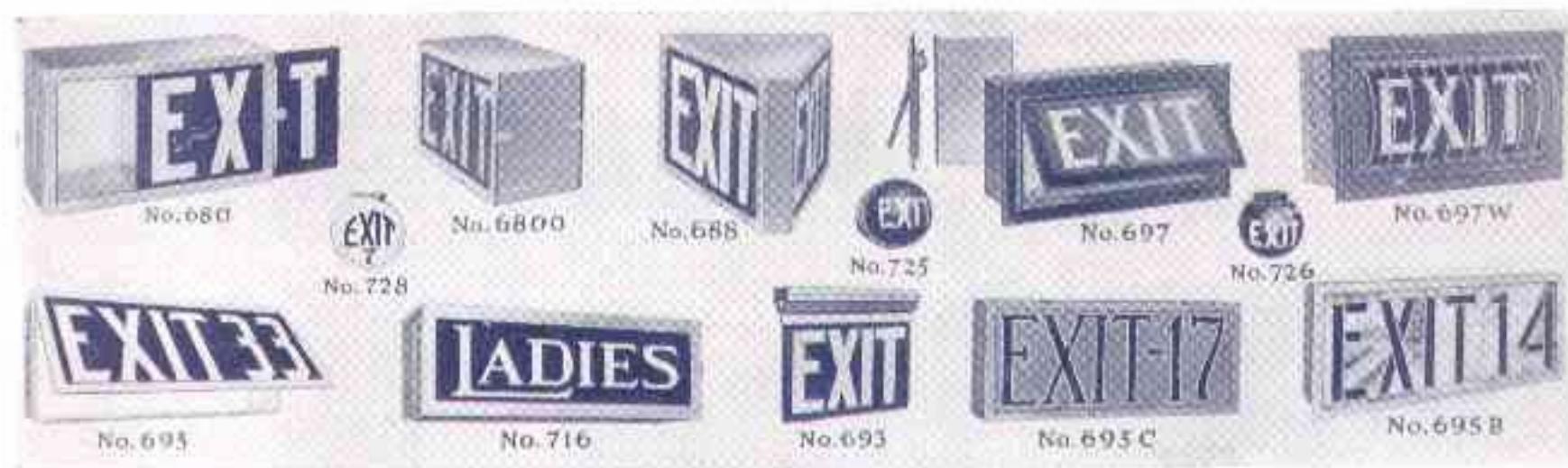
Price, No. 1209, Kliegl dead-front panel-board with dimmer equipment; standard model..... \$395.00  
Code word..... Nodding



No. 1209

## Exit and Illuminated Signs

Made in a variety of standard designs, also to customers' specifications. They meet all safety requirements of Underwriters and local fire departments. Metal construction throughout. Attractively finished.



## KLEI GL. ILLUMINATED SIGNS

No.	Description	Application	Wording	Size of surface plate and depth of box, in.	Height of letters, in.	Price	Code word
Surface Wall Type Exit Signs							
680			Exit	10 x 5 x 5	3	\$3.50	Tubby
685			Exit	11 1/4 x 6 3/4 x 5	5	4.00	Tablet
686	Singin face; rectangular; sheet metal box finished in gold with grooved front, open on one side to receive ruby-glass face-plate; white letters.		Exit	14 x 8 x 5	6	4.50	Tabliers
687			Exit	12 x 10 x 5	8	4.50	Tablora
690			Exit	13 1/4 x 10 x 5	8	4.75	Tabor
691			Exit with number	13 1/4 x 10 x 5	8	7.00	Tabquer
692			Exit with number	21 1/4 x 10 1/4 x 5	8	8.50	Tabqua
6800			Exit	10 x 5 x 5	3	7.00	Tabbed
6850	Double-faced, rectangular; sheet metal box finished in gold with ruby-glass face-plate on 2 sides; white letters; grooved sides open on ends, permitting removal of glass and access to lamp.	Ordinarily mounted on surface of wall above exit. Corners are squared; face-plate slides in from the side.	Exit	11 1/4 x 6 3/4 x 5	5	8.00	Tablich
6860			Exit	14 x 8 x 5	6	9.00	Tablisch
6900			Exit	13 1/4 x 10 1/4 x 5	8	9.50	Tabusal
6910			Exit with number	13 1/4 x 10 1/4 x 5	8	14.00	Tabxon
6920			Exit with number	24 1/4 x 10 1/4 x 5	8	17.00	Taborne
688	Double-faced, triangular; sheet metal box finished in gold with 2 ruby-glass face-plates; white letters; front end piece detachable, permitting removal of glass and access to lamp; small opening on bottom, covered with frosted glass, directs subdued light on floor.		Exit	10 x 10 x 8	6	9.00	Taboin
Flush Wall Type Exit Signs							
694	Ruby-glass face-plate; white letters; galvanized sheet metal box, removable hinged front; exposed metal parts finished in gold.		Exit	16 1/4 x 11 x 5	6	7.00	Tome
695			Exit with number	24 1/4 x 11 x 5	6	11.00	Tang
694B	Cathedral leaded-amber-and-opal-glass face with ruby-glass letters; galvanized sheet metal box; removable hinged front; exposed metal parts finished in gold.	For mounting in wall flush with surface. Provided with hinged doors which hold face-plate and permit access to lamps. Wall box and front furnished as separate units so that box can be set during construction and the front with glass face mounted after construction work is completed.	Exit	16 1/4 x 11 x 5	6	13.50	Tamisage
695B			Exit with number	24 1/4 x 11 x 5	6	14.50	Tangente
694C	All-metal face; 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.		Exit	16 1/4 x 11 x 5	6	13.00	Tankous
695C			Exit with number	24 1/4 x 11 x 5	6	14.50	Tanipo
697	Ruby-glass face-plate; fancy white letters; galvanized sheet metal box; removable cast bronze frame with swinging door; dull bronze finish.		Exit	15 1/4 x 8 1/2 x 5	4	14.00	Tapigo
697W	Ruby-glass face-plate with metal guard; fancy white letters; galvanized sheet metal box; removable cast bronze frame with swinging door; dull bronze finish. For gymnasiums, basket-ball and handball courts, etc. where glass face, if unprotected, is likely to be broken.		Exit	15 1/4 x 9 x 5	4	17.00	Taputho
Suspension Type Exit Signs							
693	Single face; clear glass; white letters; lamp concealed in metal supporting member; all exposed metal parts finished in gold.	Suspended from ceiling mounted at right angles to a wall or post, or set upright on a pedestal railing or other form of support.	Exit	16x18	6	20.00	Tueclig
6930	Double-faced; clear glass; white letters illuminated through edge of glass; lamp concealed in metal supporting member; all exposed metal parts finished in gold.		Exit	16x8	6	30.00	Tueclite
Globe Type Exit Signs							
725	Round globe; 4-in. diameter; red glass with spring-clamp globe holder for mounting on wall over a receptacle containing a 40-watt Manda lamp; white lettering.	For attachment to any lighting fixture equipped with a standard 3 1/4-in. lamp shade holder with the exception of No. 725, which is provided with a special spring-clamp globe holder for mounting on wall over single lamp receptacle.	Exit	.....	2	4.50	Tenite
726	Round globe; 6-in. diameter; red glass with opening on top for attaching to 3 1/4-in. shade holder; white lettering.		Exit	.....	23 1/2	4.50	Telpat
728	Flat-round opal glass globe; 8-in. diameter, with opening on top for attaching to 3 1/4-in. shade holder; red letters.		Exit	.....	4	6.50	Tenris
Box Signs							
716	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.	Single-face	Ladies	14x5x3	3	10.00	Tecaria
717			Gents	14x5x5	3	10.00	Tecola
720		Double-face	Information	14x5x5	3	12.00	Tecusle
714			Ladies	14x5x5	3	20.00	Tecayu
715			Gents	14x5x5	3	20.00	Tecero
721			Information	14x5x5	3	24.00	Tecuno

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

No. 828—Disappearing Footlight with double row of receptacles, space  $\frac{1}{2}$ " centers; front row for fifteen 60-watt or 75-watt Mazda lamps, wired to a two-wire circuit for white lighting; back row for fourteen lamps, wired to two two-wire circuits for independent control of red and blue lights; with splice-box for making feeder connections. Otherwise the same design as No. 829. Weighs 75 lbs. per five-foot section.

No. 830—Disappearing type footlight, with a single row of receptacles, each fitted with an individual aluminum reflector and adaptor for glass diffusing roundels; for twelve 100-watt Mazda lamps; wired with three two-wire circuits; provided with splice-box for making feeder connections.



No. 829

## KLEGL FOOTLIGHTS

No.	Description	Price	Code word
622	Single-row open-trough footlight, for 60 to 100-watt lamps	*	Racine
624	Double-row open-trough footlight, for 60 and 75-watt lamps	*	Racoma
625	Compartment type footlight, for 100-watt lamps	*	Racloir
621	Double-row enclosed type footlight, with roundels, for 100-watt lamps	*	Racima
829	Single-row disappearing footlight, five-foot section oak flooring	\$50.00	Vidalia
828	Double-row disappearing footlight, five-foot section oak flooring	80.00	Vibione
830	Single-row disappearing footlight, with aluminum reflector and glass roundels, five-foot section oak flooring	83.00	Videone

\*Price quotations furnished on application.

Note: Footlights can be furnished with receptacles spaced wider apart than specified above, or with a greater number of circuits for more colors, or other changes as desired. When ordering give length of footlight (usually about four feet shorter than proscenium opening); state whether it is curved or straight; number of colors desired; number of lamps for each color; size of lamps to be used; also, whether splice-box for making feeder connections is to be located in the center, or at the right or left end of footlight when facing audience.

Blue prints for use of architects and engineers planning footlight installations, showing construction details and dimensions of Kliegl Footlights, are available on request.

## Borderlights

Available in practically any form desired; built for lamps that range from 60 to 1000-watts; made of galvanized sheet-iron; strong; rigid; well ventilated; designed to insure the proper distribution of light; comply with Underwriters' requirements; furnished in one continuous length or in sections any length desired; completely wired ready for installation, usually for independent control of three colors.

No. 600—Open-trough type Borderlight, for 60-watt to 100-watt Mazda lamps; fitted with single-row receptacles, spaced  $\frac{3}{4}$ " to  $\frac{1}{2}$ " centers; reflector surfaces painted a permanent white; provided with splice-box for making feeder connections; completely wired; furnished with chains and  $1\frac{1}{2}$ -in. pipe batten for hanging; occupies space  $9\frac{1}{2}$ " in. wide when in position; weighs  $6\frac{1}{2}$  lbs. per foot.



No. 600

No. 612—Compartment type Borderlight, for 100 to 200-watt PS Mazda lamps; fitted with single-row of receptacles, spaced  $\frac{1}{2}$ " centers; lamps partitioned off in separate compartments with slide grooves on front for metal frames for gelatin color mediums; reflector surfaces painted a permanent white; completely wired; splice-box for making cable connections; furnished with chains and  $1\frac{1}{2}$ -in. pipe batten and color frames for red and blue compartments; occupies space 10 in. wide when in position; weighs 9 lbs. per ft. Also made in larger sizes—No. 613 for 500-watt lamps, occupies space 10 in. wide, weighs 11 lbs. per foot; and No. 614 for 1000-watt lamps, occupies space 12 in. wide, weighs 11 lbs. per ft.



No. 612

No. 603—Enclosed type Borderlight, for 500 to 600-watt PS Mazda lamps; single-row of receptacles, spaced  $1\frac{1}{2}$ " centers; with double-focus reflector for each lamp and adaptor for holding  $\frac{1}{2}$ " colored-glass diffusing roundels; also with slide grooves for holding metal frames for gelatin color mediums or colored-glass slides; furnished with splice-box for making feeder connections, chains, and  $1\frac{1}{2}$ -in. pipe batten for hanging; occupies space 11 in. wide when in position; weighs 11 lbs. per ft. Also made in smaller and larger sizes—No. 602 for 200-watt PS lamps with receptacles spaced  $\frac{1}{2}$ " centers,  $6\frac{1}{2}$ " roundels; occupies space 8" wide when in position; weighs 10 lbs. per ft.; and No. 604 for 750 to 1000-watt PS lamps, receptacles spaced  $1\frac{1}{2}$ " centers; occupies space 14" wide when in position; weighs 14 lbs. per ft.



No. 603

## KLEGL BORDERLIGHTS

No.	Description	Price	Code word
600	Open-trough type borderlight, for 60 to 100-watt lamps	*	Raberry
612	Compartment type borderlight, with color frames, for 100 to 200-watt lamps	*	Racundo
613	Compartment type borderlight, with color frames, for 500-watt lamps	*	Racordia
614	Compartment type borderlight, with color frames, for 1000-watt lamps	*	Racumar
602	Enclosed type borderlight, with roundels, for 200-watt lamps	*	Rabonier
603	Enclosed type borderlight, with roundels, for 500 to 600-watt lamps	*	Raboreadu
604	Enclosed type borderlight, with roundels, for 750 to 1000-watt lamps	*	Rabosseus

\*Price quotations for borderlights furnished on application.

Note: Borderlights can be furnished with lamps spaced wider apart than specified in description, or with a greater number of circuits for more colors, or other changes that may be necessitated by particular requirements. When ordering borderlights give length of borderlight (usually about two feet longer than proscenium opening); mention the number of colors desired, number of lamps for each color, and size of lamps that are to be used; also state whether splice-box for making feeder connections is to be right or left and when facing audience.

Blue prints for use of architects and engineers planning borderlight installations, showing construction details and dimensions of Kliegl Borderlights, are available on request.



No. 612

No. 675—Aisle Spot-light, for mounting on side of end-seats adjoining aisle ways or on side walls; equipped with lens which controls and properly distributes the light downward; made of cast aluminum with removable casing;  $\frac{3}{8}$ " conduit connection can be made at the bottom or rear; for 100-watt Mazda lamp; neat and compact; furnished complete with receptacle and lens; size  $6\frac{1}{2}'' \times 3\frac{1}{2}'' \times 2\frac{1}{4}''$  deep.

No. 676—Aisle-light, vertical type, for flush-wall-mounting, usually used in side aisles; consists of a medium screw-base receptacle mounted in a heavy-gauge galvanized sheet-iron box,  $7\frac{1}{2}'' \times 4\frac{1}{2}'' \times 3\frac{1}{2}''$  deep, with  $\frac{1}{2}$ " knockouts in sides, rear and bottom; removable cast-aluminum front  $8\frac{1}{4}'' \times 4\frac{1}{2}''$ ; lowered openings direct the light to the floor; medium screw-base receptacle, in a heavy gauge galvanized sheet-iron box,  $7\frac{1}{2}'' \times 4\frac{1}{2}'' \times 3''$  deep;  $\frac{1}{2}$ " knockouts in sides, rear and bottom; for a 40-watt Mazda lamp.



No. 676

No. 677—Step-light, horizontal type, for stairways; ordinarily is set in the step flush with the riser; removable front of cast-aluminum,  $8\frac{1}{4}'' \times 4\frac{1}{2}''$ ; substantially made to withstand kicks and knocks of moving feet; lowered openings direct the light to the floor; medium screw-base receptacle, in a heavy gauge galvanized sheet-iron box,  $7\frac{1}{2}'' \times 4\frac{1}{2}'' \times 3''$  deep;  $\frac{1}{2}$ " knockouts in sides, rear and bottom; for a 40-watt Mazda lamp.



No. 677

## KLEGL AISLE-LIGHTS AND STEP-LIGHTS

No.	Description	Weight	Price	Code word
675	Aisle spot-light	13 lbs.	\$4.50	Raptus
676	Aisle-light	4 lbs.	5.00	Raque
677	Step-light	4 lbs.	5.00	Rarossa

# KLIEGL BROS

UNIVERSAL ELECTRIC STAGE LIGHTING CO., INC.

*Theatrical, Decorative and Spectacular Lighting*

321 West 50th Street, New York, N. Y.

## A Complete Line of Lighting Specialties for Theatrical, Decorative and Spectacular Lighting

For the past 30 years Kliegl Bros. have been the foremost manufacturers of a complete line of lighting specialties for theaters, motion picture studios, window displays, show rooms, exhibitions, pageants, outdoor floodlighting, spectacular advertising, ball rooms, schools,



lodges, rooms and countless other applications.

The mark "Kliegl Bros." in lighting specialties is known the world over as a symbol of quality and fine workmanship and all Kliegl Products are fully guaranteed.

## Index to Products Cataloged

Page	Lights: (Continued)	Page
2	Spot	5
7	Studio	5
4	Music and Leader Stands	4
8	Panel Boards with Dimmer Equipment	4
8	Plugging Boxes and Plugs	7
3	Pockets and Plugs:	
6	Stage-floor	6
1	Waterproof Floor	6
2	Battery Charging	6
6	Surface Wall Type	7
1-2	Flush Wall Type	7
4	Panel	7
	Scenic Effects	8
	Signs, Exit and Illuminated	8
	Spotlights	5
	Studio Lights (see Spotlights)	8
	Supplies for stage and color lighting	8

## Footlights

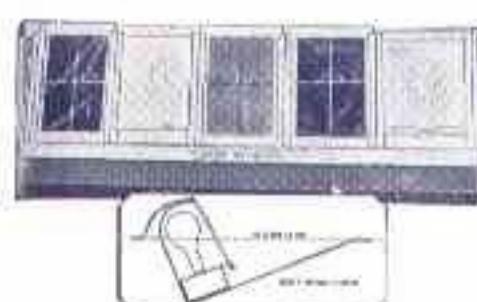
Available in practically any form desired. Standard designs are made for lamps from 60 to 100-watts; semi-flush types for frequent use; disappearing types for use where footlights are only occasionally required. All footlights are well ventilated and correctly designed for proper light distribution; are approved by Underwriters; and furnished completely wired, usually for independent control of three colors.



No. 622

two-wire control circuits are furnished for connecting footlight spots and other stage lamps.

No. 624—Open trough semi-flush type Footlight, similar to No. 622 except that it has a double row of receptacles, spaced 4 in. centers; front row for white light (75-watt Mazda lamps); back row for red and blue lamps (60-watt Mazda).

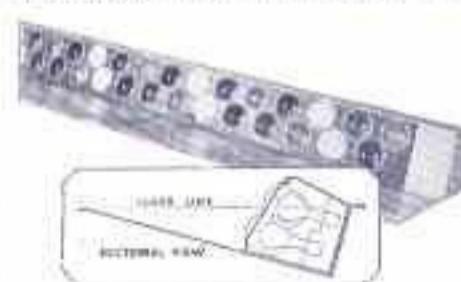


No. 624

No. 625—Compartment semi-flush type Footlight, for 150-watt PS Mazda lamps; single row of receptacles, spaced 6 in.

centers; partitioned off in separate compartments with slide grooves on front for metal frames for gelatin color mediums; reflector surfaces painted a permanent white; trough is dull black; splice-box for making feeder connections; furnished in any desired length or curvature; when so ordered, furnished with Kliegl Connectors and two-wire control circuits for connecting stage lamps.

No. 621—Enclosed semi-flush type Footlight, for 150-watt PS Mazda lamps; double row of receptacles, spaced 4½ in. centers; with spun aluminum reflector for each lamp, and adaptor for colored-glass diffusing roundels; completely wired for three colors, with splice-box for making connections; colors staggered in two rows—clear white, red and blue; furnished in two sections—lighting unit and trough. Lighting unit includes lamp receptacles, reflectors, diffusing roundels, and wiring—assembled and entirely encased in dustproof housing of galvanized sheet iron; furnished with three plug outlets (Kliegl Connector No. 950), wired on separate circuits for Footlight Spots and other apparatus. Trough, formed of galvanized sheet-iron, serves to support the lighting unit at the proper angle, and may be omitted where concrete trough is provided on the stage.



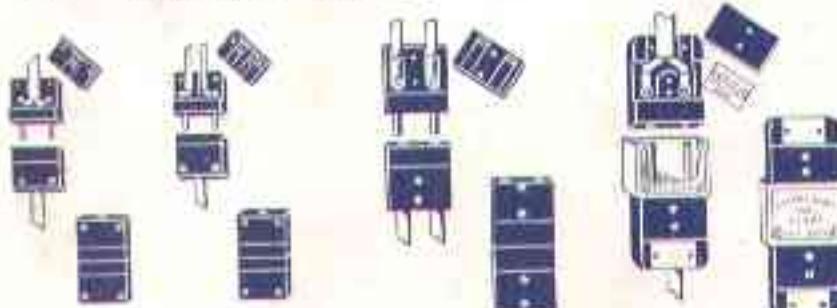
No. 621

No. 620—Disappearing type footlight, for fifteen 60-watt or 75-watt Mazda lamps; single row of receptacles, spaced 3½ in. centers; wired for three two-wire circuits; with splice-box for making feeder connections; constructed so that when not in use they may be closed down flush with the stage floor; furnished complete in standard five-foot sections ready for installation. Lamp receptacles are mounted in a metal trough on pivot supports and attached to the underside of a hardwood frame; hardwood panel on the back of the trough serves as part of the stage floor when footlight is closed; frame 84 in. x 14 in. overall and panel are substantially made of oak flooring, 1 in. thick; each section has a flush ring-pull and lock. When footlight is open it is held in place by a spring catch. Can be supplied for straight or curvature installation, any length desired, and with flooring other than oak. Weight 97½ lbs. per five-foot section.

### Pin Plug Connectors

Used with stage lighting apparatus, portable lighting units, etc., for quickly and securely making electrical connections. Constructed to withstand severe usage; made of solid fiber, in two principal parts—one-half (male section) provided with heavy brass split pins which fit tightly and with perfect contact into brass sleeves in the other half (female section). Spacing between pins and other structural details are in accordance with Underwriters' requirements. 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.

Sizes range from 2 to 200-amperes. Types available in 2, 3, 4, 5, 6, and 8-pole, also multiple circuit and branch-off connectors. Above 30-ampere capacity connectors are provided with lugs for wire ends; above 60-ampere capacity they have an aluminum collar where sections join, protecting the pins and providing additional strength. Connectors are furnished reversing and non-reversing.



No. 950

No. 950-AC

No. 956-AA

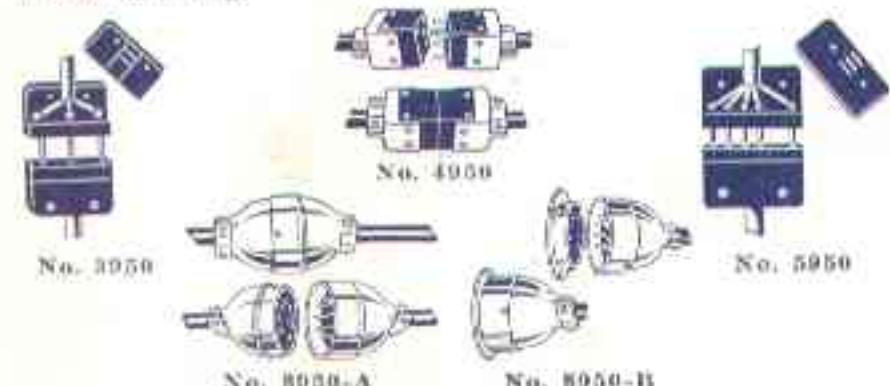
No. 957-N

**Two-pole Connectors**—For 2-wire circuits. Have 2 brass pins and corresponding sleeves. Three styles: (1) For duplex cable wherein both male and female sections have a single opening in cable ends of connector for entrance of cable. (2) For connecting asbestos-covered leads or other single-conductor wires to duplex cable wherein male section has two openings for wires, and female section a single opening for duplex cable. (3) For connecting asbestos-covered leads or other single-conductor wires to both sections of connector—2 openings provided for wires in each section.

### KLEGL TWO-POLE CONNECTORS

No.	Reversing or non-reversing	For cable gauge No.	Amp.	Volts	Price	Code word
<b>For Connecting Duplex Cable</b>						
950	Reversing	14	5	250	\$1.10	Pack
950-N	Non-reversing	14	5	250	1.35	Puccio
951	Reversing	16	5	250	1.10	Paddle
955	Reversing	12	15	250	1.50	Pall
955-N	Non-reversing	12	15	250	1.75	Pallid
956	Reversing	10	30	250	2.40	Pallid
956-N	Non-reversing	10	30	250	2.65	Pallola
957-N	Non-reversing	6	60	250	6.00	Pallor
958-N	Non-reversing	2	100	250	10.50	Palmy
959-N	Non-reversing	000	200	250	19.80	Pander
<b>For Connecting Two Single Conductors to Duplex Cable</b>						
950-AC	Reversing	14	5	250	1.10	Parwero
955-AC	Reversing	12	15	250	1.50	Parvicio
956-AC	Reversing	10	30	250	2.40	Pasados
957-AC	Non-reversing	6	60	250	6.00	Paseada
958-AC	Non-reversing	2	100	250	10.50	Parment
<b>For Connecting One Pair of Single Conductors to Another Pair</b>						
959AA	Reversing	14	5	250	1.10	Partivit
955AA	Reversing	12	15	250	1.50	Parvenir
956AA	Reversing	10	30	250	2.40	Parvige
957AA	Non-reversing	6	60	250	6.00	Paseado
958AA	Non-reversing	2	100	250	10.50	Paritus

**Three to Eight-Pole Connectors**—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. 5950

No. 8950-A

No. 8950-B

### KLEGL 3 TO 8-POLE CONNECTORS

No.	Reversing or non-reversing	Type	For cable gauge No.	Amp.	Volts	Price	Code word
<b>3-Pole Connectors</b>							
3950	Reversing	Flat	14	5	125-250	\$2.40	Pung
3955	Reversing	Flat	14	15	125-250	3.60	Parade
3956	Non-reversing	Flat	10	30	125-250	5.00	Purck
3957	Non-reversing	Flat	6	60	125-250	7.00	Purck
3958	Non-reversing	Flat	2	100	125-250	19.50	Parmesa

### 4-Pole Connectors

No.	Non-reversing	Square	14	5	250	5.00	Pacopter
4950	Non-reversing	Square	12	15	250	6.00	Parviera
4955	Non-reversing	Square	10	30	250	7.50	Parvieu
4956	Non-reversing	Square	6	60	250	15.50	Parvieu

### 5-Pole Connectors

No.	Non-reversing	Flat	14	5	250	7.50	Purpaga
5950	Non-reversing	Round	14	5	125	13.00	Purpaga
5950B	Non-reversing	Round	14	5	125	12.00	Purpaga

### 6-Pole Connectors

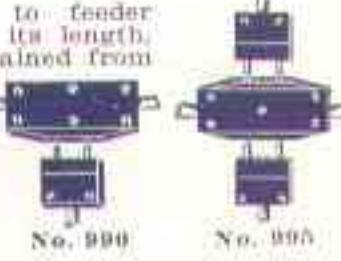
No.	Non-reversing	Flat	14	5	250	8.00	Purtone
6950	Non-reversing	Round	14	5	125	13.00	Purtone
6950B	Non-reversing	Round	14	5	125	12.00	Purtone

### 8-Pole Connectors

No.	Non-reversing	Round	14	5	125	14.00	Pascito
8950A	Non-reversing	Round	14	5	125	13.00	Pascito

\*For wall mounting.

**Branch-off Connectors**—Attached to feeder cable at one or more places along its length, permitting several circuits to be obtained from one cable without making splices. Cable passes through full length of connector. Connections made with binding screws without cutting wires. Body fitted with brass sleeves to receive 2-pole male and 5-amp. reversible pin-connectors. Made in single and double branch.



No. 990

No. 995

**Multiple Circuit Connectors**—Provides for several separate circuits from one feeder cable. Attached to end of cable; body has 3 pairs of brass sleeves, inter-connected, which receive 3 separate 2-pole male and pin connectors, thus providing for 3 separate 2-wire circuits. Two sizes from 5 and 15 amp. per circuit. Body also receives male ends (reversible type) of other Kliegl connectors of same rated capacity; cable clamps on cover plates relieve connections of all strain.



No. 2950

No. 2954

### KLEGL BRANCH-OFF AND MULTIPLE-CIRCUIT CONNECTORS

No.	For cable gauge No.	No. of branch circuits	Amp.	Volts	Price	Code word
<b>Branch-off Connectors</b>						
990	.....	1	5	250	\$2.75	Perfaro
995	.....	2	5	250	3.50	Phacrid
<b>Multiple Circuit Connectors</b>						
2950	12	14	5	250	3.60	Patral
2954	6	14	10	250	17.50	Patral
2955	6	14	15	250	5.00	Patona

\*All connectors are reversible.

### Supplies for Stage and Color Lighting

**Color Wheels**—Automatic and manual; with clockwork or motor drive; any combination of colors; 9 to 24-in. diameter.

**Color Frames for Gelatin or Glass Color Mediums**—For open-box lights, bunch lights, spotlights, etc.

**Lenses**—Scotopic objective lenses; stereoscopic objective; long-distance objective; polarscope objective; condensing lenses, etc.

**Framing Shutters and Blinders**—For spotlights, projectors, etc. Made in various forms for controlling and framing light.

**Gelatin Color Mediums**—Strong, uniformly colored sheets of gelatin, 19 x 21-in. Stocked in a wide range of colors.

**Lamp Coloring Solutions**—For coloring incandescent lamps for outdoor use and indoor use.

**Stage Cable**—N.E.C. Standard, 2-conductor (4/0 to 18 gauge); 3-conductor (2/0 to 3 gauge).

**Borderlight Cable**—N.E.C. Standard, 3, 4, 6, 8, 12, 14, 16, 18, 20, 24, 28, 40 conductors of No. 12 gauge flexible cable.

**Are Lamp Carbons**—Solid and cored projector and yellow-flame carbons in sizes  $\frac{1}{8}$  x 4-in. to 1 x 12-in.

**Color Globes and Caps**—For detachable color globe type border lights, foot