

COOPER HEWITT ELECTRIC CO.

220 WEST 29th STREET, NEW YORK

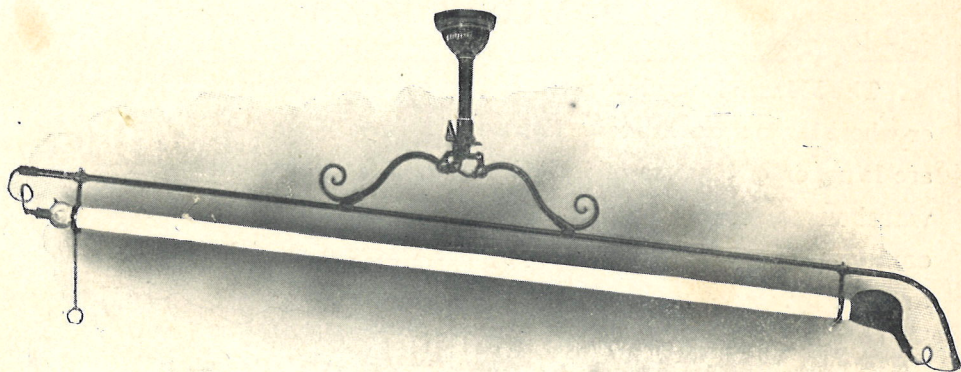
BULLETIN No. 6

JANUARY, 1905

COOPER HEWITT MERCURY VAPOR ELECTRIC LAMPS

FOR DIRECT CURRENT
LIGHTING CIRCUITS ONLY

Indoor Types for
General Illumination



Type K Lamp

(H-7)

Type K Lamp

(H-7)

Voltage of Supply: 100-125

Current: 3.5 amperes

For 100-109 volts For 109-125 volts

Length of light-giving tube.....	42 inches	45 inches
Length of tube over all.....	52 "	55 "
Diameter of tube	1 inch	1 inch
Holder.....	No. 24-B	No. 24-A
Length of suspension bar.....	6 inches to 4 feet	
With 6-inch suspension bar lower end of lamp is 26 inches from ceiling.		

A standard K lamp outfit for installation on 100 to 125 volts D. C. consists of K tube, holder or bracket, 6-inch suspension bar, reflector and No. 6 resistance.

A standard K lamp outfit for installation on 200 to 250 volts D. C. consists of the above with No. 17 resistance in place of No. 6 resistance.

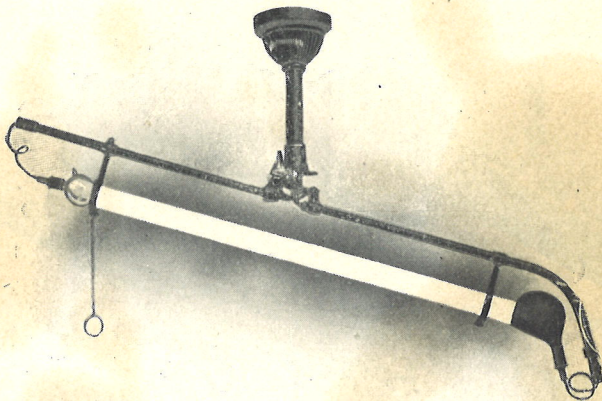
Two standard K lamps can be installed in series on 200 to 250 volts D. C. For series installation each standard outfit has a No. 10 resistance in place of No. 6 resistance.

APPLICATIONS

The K lamp is used where a strong general illumination is required or where large areas are to be lighted. This lamp takes the place of an arc lamp, or of clusters of incandescents, in **factories, machine shops, warehouses, covered piers, draughting rooms, offices, press and composing rooms, etc.**—every place where a good light is required to work by.

INSTALLATIONS

Attention is called to the Comparative Table, in Bulletin No. 7 of areas lighted by actual installations of Cooper Hewitt Lamps.



Type H Lamp

(H-6)

Voltage of Supply: 100-125

Two Lamps in Series

Current: 3.5 amperes

For 100-109 volts

For 109-125 volts

Length of light-giving tube.....	17½ inches	20¾ inches
Length of tube over all.....	24 “	27¼ “
Diameter of tube.....	1 inch	1 inch
Holder.....	No. 23-B	No. 23-A
Length of suspension bar.....	3 inches to 4 feet	
With 3-inch suspension bar lower end of lamp is 15 inches from ceiling.		

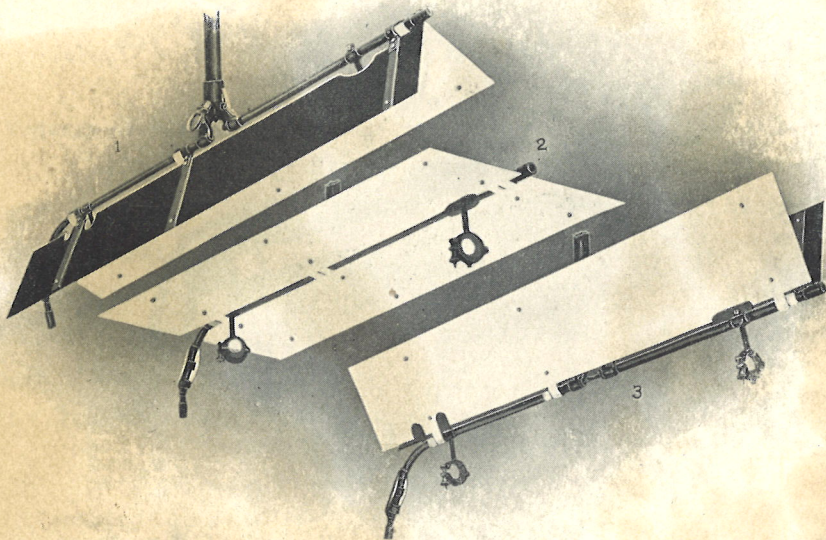
A standard lamp outfit consists of H tube, holder or bracket, 3-inch suspension bar, reflector and No. 11 resistance. Two outfits are intended to be installed, two in series, on 100 to 125 volts D. C.

Four standard H lamp outfits may also be installed four in series on 200 to 250 volts D. C. A standard H lamp outfit for single installation on 100 to 120 volts D. C. has No. 7 resistance in place of No. 11 resistance.

APPLICATIONS

Same as K Lamp

Two H lamps are equivalent to one K lamp, but being smaller units more distribution of light may be obtained. The H lamp is especially adapted to lighting small areas and rooms with low ceilings.



REFLECTORS

Maximum width — Type 2 — flat — $11\frac{1}{2}$ inches.
 Length — same as over all length of tube.

The standard reflectors can be adjusted to any desired position. Three chief types or positions are shown above.

Type 1 — acute angle — throws light directly below lamp.

Type 2 — flat angle — medium distribution of light.

Type 3 — obtuse angle — wide distribution.

The reflectors for the H lamps can be adjusted by the purchaser. The reflectors for the K lamps must be adjusted before being shipped. Specify when ordering which type and what angle is required.

Where ceilings and walls are light, maximum distribution is obtainable without reflectors.

SPECIAL.—Where modifications in standard tubes, holders, suspension bars, reflectors or resistances are required, complete description of the changes should be submitted. An estimate as to the extra cost and the practicability will then be furnished.

WHEN ORDERING, GIVE

- (1). The *actual normal voltage* of the supply at outlet, together with the *maximum* and *minimum* variations.
- (2). Type of Lamp—H or K—and whether to be used in series or singly.
- (3). Length of suspension bar and type of reflector.

Cooper Hewitt Electric Company

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