44-38861-5586

ENTIRE FILE REVIEWED
FOR HISTORICAL
DECLASSIFICATION

BLUEPRINTS BY ARCHITECTS

FIRE STATION - MEMPHIS

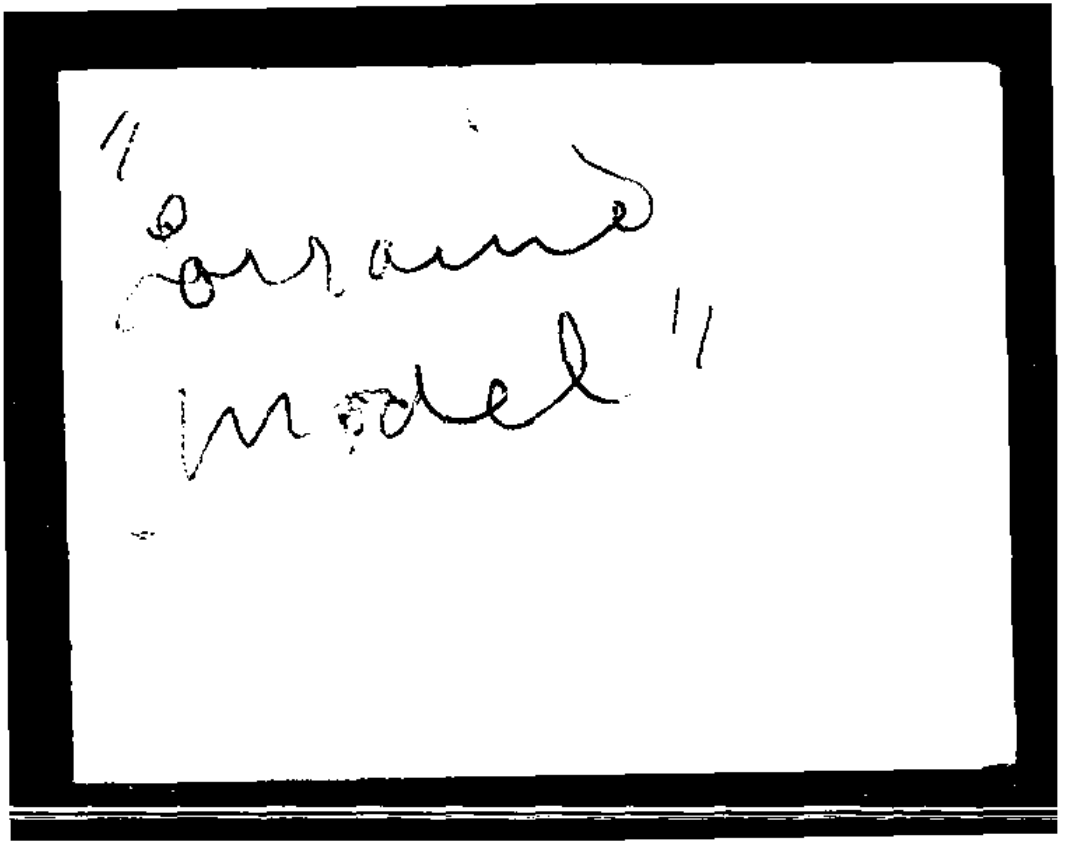
LORRAINE MOTEL AREA

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 10/22/01 BY SP1CW/ph

2025 RELEASE UNDER E.O. 14176

EVIDEN
ERAL BUREAU OF
WASHIN

2025 RELEASE UNDER E.O. 14176



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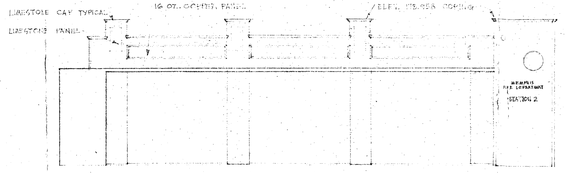
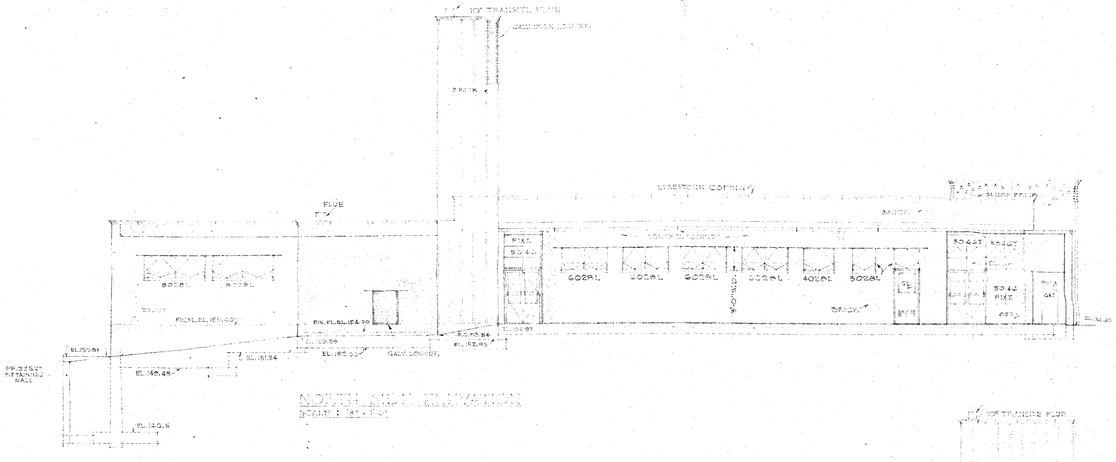


PARTIAL WEST FRONT ELEVATION - ALTERNATE #2
SCALE: 1/8" = 1'-0"


10" TRANSITE FLUE
FLUE
LIMESTONE COPING
PROJECT RETAINING WALL
EL.150.81
EL.148.48
EL.140.5
EL.151.84
EL.150.27
EL.152.43
EL.150.07
EL.152.56
EL.150.56
EL.150.56
EL.150

111-33880-5800

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PLAN AT GAS VALVE PIT
SCALE 1" = 1'-0"

SLOPE FLOOR TO DRAIN

GAS VALVE

FLOOR PLAN
SCALE 1/8" = 1'-0"

NORMAL PINCH SLOPE, AS NOTED

CONCRETE FLOOR WITH 6" THICK TOPPING OVER

PLANTER SEE DETAIL SHEET

PROPOSED WINGS

ROOF PLAN
SCALE 1/8" = 1'-0"

4" ROOF DRAIN

ART LACING

ROOF MARKING AREA

GALVANIZED ART LOUVER

SEE SHEET METAL

4" ROOF DRAIN

4" LEAD DRAIN

SEE SHEET NO. 5

CONCRETE GUTTER & DOWNSPOUTS

SEE SHEET NO. 5

SEE SHEET NO. 5

CONCRETE CURBING & CONTROL JOINTS (MINIMUM SLOPE ON FLAT SURFACE)

CONTROL JOINTS IN TOP SURFACE & FRONT FACE OF COPING

SECTION NO. 5

NO.	DO NOT SCALE DRAWING
	VERIFY ALL DIMENSIONS
	NOTIFY ARCHITECT OF ANY DISCREPANCIES

	[illegible]
	[illegible]
	[illegible]

MULBERRY STREET

VEGETABLE GARDEN

WORK AREA

SITTING AREA
Grass

Project Limit Line

Existing Wall

Sanitary Sewer

Storm Sewer

Service Lead to

Ready Wall on This Street and Bring to Grades and Dimensions Shown

See Detail Sheet

M.H. Fl. 150.0

M.H. Fl. 151.0

Brick

Concrete

Water Outlet

Soil

TOOL ROOM

TOILET & DRAIN ROOM

COMPOST LOAM

ACTIVITY ROOM

Grass

Headquarters Alarm Conduit

Telephone Cable Conduit

HOSE TOWER

Conduit for Street Turn-out Light

Expansion Joint

Gasoline Tank to Be Located in This Area

Conduit for Electric Service

Project Limit Line

Grades Must Here be Adjusted to Meet New Sidewalk Grades

City Light Standard

Curb Line Disappears as Curb Gradient Meets Driveway Gradient

6" San. Sewer

Fire Tank El. 149.27

Spring to Grade of Hill

Open Ditch

SECTION A-A

SECTION B-B

SCALE: 1" = 10'-0"

FIRE STATION NO. 2
FOR THE
CITY OF MEMPHIS

J. FRAZER SMITH, INC. ARCHITECTS
MEMPHIS, TENNESSEE

APPROVED BY ..... ARCHT.
APPROVED BY ..... OWNER

ON THIS SHEET
SITE PLAN

CONTR. NO.	DATE	DRAWN	CHECKED	SHEET	NO.
6145	1945	RHF	JW	OF 17	SHTS.

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44-38961-5586

H/-2564-558

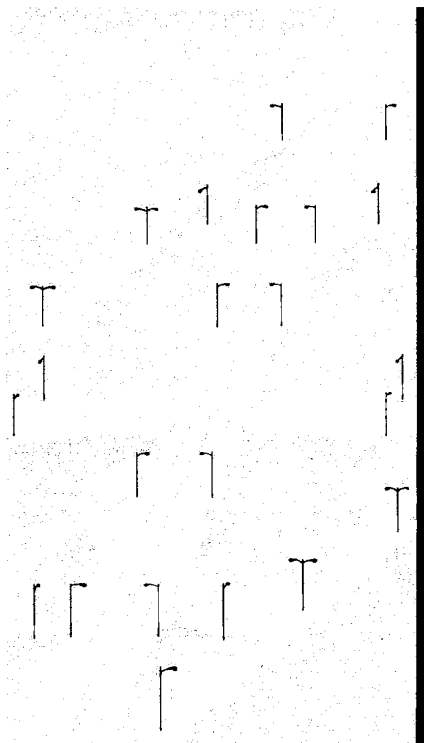
roadway lighting

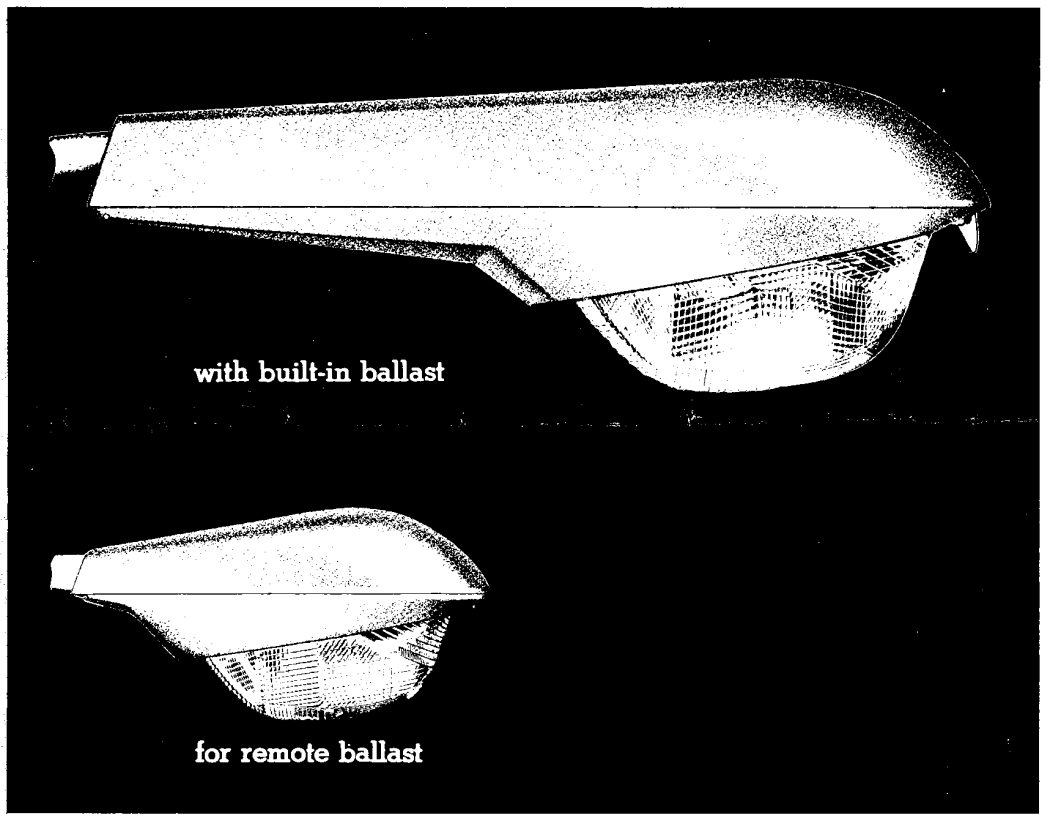
type OV-25
Silverliner luminaires

end mounting • 400-watt mercury lamps

descriptive bulletin

60-155





Streamlined type OV-25 luminaire combines lasting beauty with maximum optical performance for all types of roadways and parking areas where higher levels of illumination are required.

The tilted optical system uses clear or color corrected 400-watt mercury lamps and conforms to the new IES-ASA type and distribution photometric patterns.

attractive appearance: Clean, modern lines give a smooth-flowing horizontal daytime appearance.

efficient: Completely sealed and tilted optical system directs more of the available light to the roadway. Reflector design minimizes trapping of light for greater and more even illumination.

durable: Both housing and refractor ring-ballast cover are one-piece die-castings and assure almost unlimited service life. New hard textured finish resists damage and weathering to maintain fine appearance.

ADUR-BIL® ballast: Improved ballast performance and longer ballast life.

easy to maintain: The one-piece refractor ring-ballast cover hinges open from the rear of the luminaire for easy access to the optical system and ballast. All portions of the luminaire can be reached from one ladder position.

February, 1965

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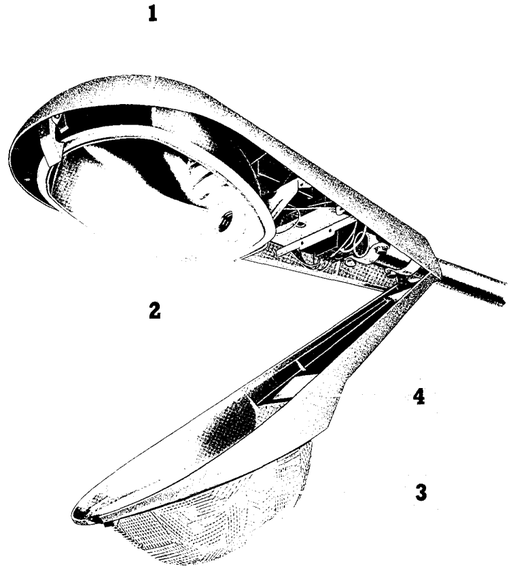
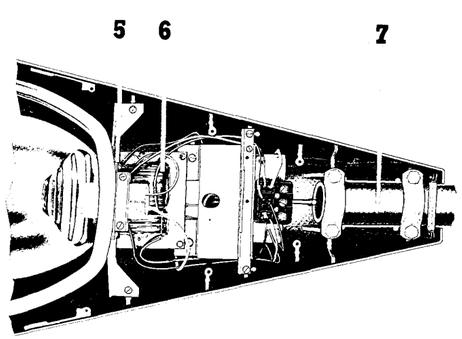
with built-in ballast or transformer





1 housing

A one-piece aluminum die-casting forms the upper half of the luminaire and makes possible the Silverliner's flowing style. The housing overlaps the refractor holding ring forming a tight weather-shield for the interior of the luminaire.

2 reflector

Specular Alzak® aluminum reflector for light control and durability. The lower edge is doubled back and flanged to minimize the trapping of light and to provide a positive gasket seat.

The reflector is easily removed by releasing the stainless steel spring-latch, but cannot accidentally disengage from the housing. Upon closing the luminaire, the refractor rim firmly seats against the gasket. It correctly positions itself in relation to the refractor and lamp for correct photometric performance.

3 refractor

An accurately molded system of light-controlling prisms provide the proper lateral spread and vertical elevation to the light from both the lamp and reflector. The refractor is made of heat resistant (borosilicate) glass.

The optical system of the OV-25 has been designed to conform to the new IES-ASA type and distribution photometric patterns.

4 refractor holding ring-ballast cover

The holding ring-ballast cover is a one-piece aluminum die-casting that locks the reflector-refractor assembly into precise tilted optical alignment when closed. A single-action, quick-release, stainless steel latch permits easy removal of the glassware from the ring.

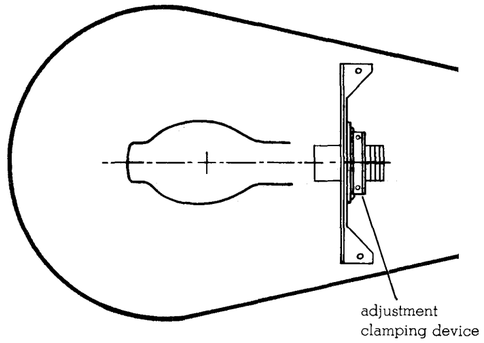
A positive locking thumb latch at the front of the holding ring provides a visual indication that the hinged door is in the locked position.

A stainless steel hinge and hinge pin allows easy removal of complete door assembly with a safety device which prevents accidental unhinging, yet requires no special action such as a button, tab or other means for normal removal and replacement. A stainless steel coil spring not only provides action of a safety catch but also acts as a guide in the replacement of the door assembly.

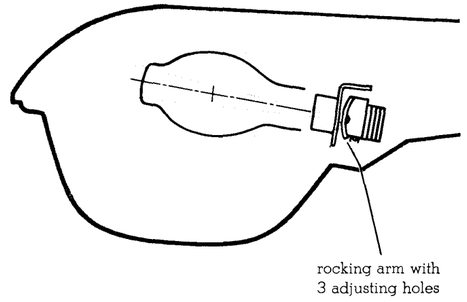
5 socket

A rugged, high grade porcelain enclosed socket is mounted in a die-cast U-shaped support bracket. This bracket allows the socket to be moved into 3 different axial positions (in and out) and 3 different vertical positions providing low, standard, and high beam angles (up and down). These socket positions permit the OV-25 to meet all of the requirements of the American Standard Practice for Roadway Lighting as sponsored by the Illuminating Engineering Society.

3 axial adjustments



3 vertical adjustments



The socket is pre-wired to the ballast at the factory. Lamp grips hold the lamp securely. The center contact is spring-loaded for positive electrical contact.

completely sealed optical system

The Silverliner's reflector-refractor junction, as well as socket opening, is sealed for optimum maintained light on roadways. When the luminaire is closed, the gasket, fitted to the reflector flange, is firmly seated and compressed by the refractor rim. The socket opening is sealed with a heat-resistant fibre filtering gasket. No dirt, insects, or moisture can enter the optical system.

6 built-in ballast

Ballasts are available as follows:

Dual range 115/230-volt regulated output—high power factor (voltage range is changed easily with two jumper leads)

208-volt regulated output—high power factor

265-volt regulated output—high power factor

Dual range 230/460-volt regulated output—high power factor (voltage range is changed easily with two jumper leads)

240-volt reactor—high or normal power factor

Regulated output ballasts are two-winding type.

All core and coil assemblies have ADUR-BIL insulation. This insulation system features a nominal BIL of 15-kv and accepts a 45% voltage reduction before lamp dropout occurs. All ballasts are tested at 4000 volts to ground. These ballasts start Lifeguard® mercury lamps down to −20° F.

dual wattage

Regulated output type ballast with dual wattage output 250/400 watt is available upon request in any of the normal primary voltage range.

Ballasts are pre-wired using "fast-on" connectors. The terminal block has pressure, clamp-type terminals and is located near the bracket for easy wiring. As an added safety feature, all connections are "dead front."

built-in series transformer (not illustrated)

Luminaires are available to operate mercury lamps from a 6.6-amp or 20-amp series circuit. These are epoxy encapsulated ballasts which include both primary and secondary terminals. Ballasts are pre-wired using "fast-on" connectors.

The primary coil with 5000-volt insulation (tested at 19,000 volts) permits operation from constant current transformers up to and including 30-kw. The secondary coil is tested at 4000 volts.

Series circuit loading—Allow the following constant current transformer capacity per luminaire for proper operation:

400-watt lamps: 660 watts capacity at −20°F and above.

7 slipfitter

The integral slipfitter and pipe stop grasp a full 7½-inch portion of the bracket for secure mounting and proper alignment. Davit poles, when used, must have a minimum 7½-inch pipe tenon.

The slipfitter securely clamps the luminaire to a 2-inch pipe bracket. For 1½-inch or 1¼-inch mounting, a seating wedge is provided. A vertical adjustment of ± 3 degrees is provided for leveling.

for remote ballast

With the exception of the shorter housing, type OV-25 luminaires for remote-mounted ballast have all the design features of the previously described units. Slipfitter is for 1¼-inch or 2-inch mounting.

Available at additional cost, are the following exclusive features:

Lightning protection for all units with built-in ballast rated 265 volts and below.

Single and double built-in holder and fuse for all units with built-in ballast.

Internal grounding strap.

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type OV-25
Silverliner luminaires

order by style number*

style number		ballast		net wt: lbs	photo-control voltage
1¼-inch mounting	2-inch mounting	type ④	voltage taps		
with built-in ballast					
656 A303 G01	656 A302 G01	reg output	115/230±13%	46	....
656 A303 G06	656 A302 G06	reg output	208±13%	46	....
656 A303 G11	656 A302 G11	reg output	230/460±13%	46	....
656 A303 G09	656 A302 G09	reg output	265±13%	46	....
656 A303 G19	656 A302 G19	reactor ▲	240±5%	39	....
656 A303 G16	656 A302 G16	reactor ◉	240±5%	40	....
with built-in series transformer					
656 A303 G24	656 A302 G24	series trans	6.6 amp	46	....
656 A303 G25	656 A302 G25	series trans	20 amp	46	....
with built-in ballast and locking type receptacle					
656 A303 G04	656 A302 G04	reg output	115/230±13%	46.5	120 or 240 v ①
656 A303 G05	656 A302 G05	reg output	115/230±13%	46.5	120 v ②
656 A303 G14	656 A302 G14	reg output	230/460±13%	46.5	230 v ③
656 A303 G20	656 A302 G20	reactor ▲	240±5%	39.5	240 v ①
656 A303 G21	656 A302 G21	reactor ▲	240±5%	39.5	120 v ②
for remote ballast					
464 D700 G01	464 D700 G01	.....	.....	22	....
for remote ballast and locking type receptacle					
464 D700 G08	464 D700 G08	.....	.....	22.5	as required

* Style numbers shown are for a clear lamp giving a standard medium distribution type III cutoff.
For other types of distributions available consult chart below and order: Similar to S# ..... except with ..... distribution.

① Wired for two-wire input. For 115-volt range, use 120-volt photocontrol; for 230-volt range, use 240-volt photocontrol. A controlled auxiliary terminal is included.

② Includes a third terminal for a three-wire 120/240-volt input.

③ Includes a third terminal for a three-wire 240/480-volt input.

④ For complete ballast electrical data, see application data 60-160.

▲ Normal power factor.

◉ High power factor.

Luminaire does not include lamps; order separately. For remote ballasts, see descriptive bulletin 62-750.

for the 400-watt OV-25 luminaire

(X) indicates distributions available

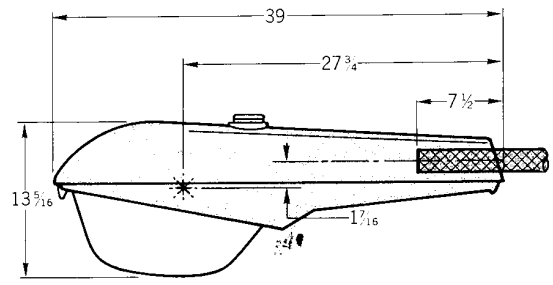
new IES-ASA type and distribution	clear lamp	high output color corrected lamp
short type I—cutoff	X	
short type II—semi-cutoff	X	
short type III—semi-cutoff	X	X
short type IV—semi-cutoff		standard unless otherwise specified
medium type I cutoff	X	
medium type II cutoff	X	
medium type III cutoff	standard unless otherwise specified	
medium type II semi-cutoff	X	
medium type III semi-cutoff		X
medium type IV semi-cutoff		X
long type III semi-cutoff	X	
long type IV semi-cutoff	X	

Westinghouse Electric Corporation
Lighting Division: Edgewater Park · Cleveland, Ohio

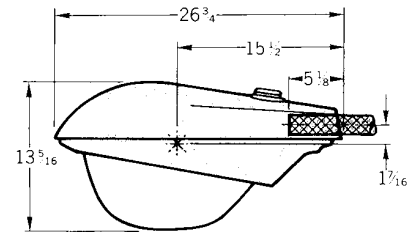
Litho in U.S.A.

in inches

with built-in ballast
proj. area 2.1 sq. ft.



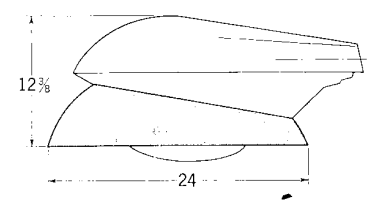
for remote ballast
proj. area 1.5 sq. ft.



order by style number

style number	description	net wt: lbs
464 D691 G09	reflector, with gasket and spring latch	1.5
632 C890 H02	reflector gasket, only	0.5
632 C903 G02	socket only, for built-in ballast units 400-watt	0.7
632 C903 G01	socket only, for remote ballast units 400-watt	0.7
632 C903 G08	socket only, for remote ballast units 250-watt IB	0.8
464 D336 H01	type II refractor	9.0
464 D336 H02	type III refractor	9.0
464 D350 G09	complete refractor holding ring EB	2.8
890 D600 G01	complete refractor holding ring IB	4.3
320 C760 G01	locking type receptacle shorting cap	0.3

cutoff visor



Cutoff visor, style no. 464 D636 G01. For use near airports, drive-in theatres, highway interchanges or other applications requiring positive cutoff, or low mounting height.

further information:

prices: see price list 60-120
photocontrol: see descriptive bulletin 60-857

Westinghouse reserves the right to change specifications and design without notice, and assumes no responsibility for making these modifications on any apparatus previously sold.

supersedes descriptive bulletin 60-155 dated January, 1962
mailed to: E/1167/DB; D/833/DB; C/471/RL

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