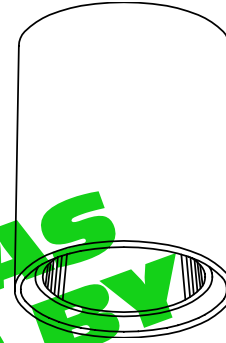


12"

ELLIPSOIDAL DOWNLIGHT: SHOPPING MALL / ATRIUM



Features

Lamp

- 400 watt clear E/BT/ED-37.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

- Vertical. Mogul base.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

Reflectors

- Upper: Compound ellipsoidal specular Alzak® aluminum.
- Lower: Low brightness, parabolic specular Alzak aluminum, self-flanged.

Lens

- UV absorbing tempered Industrix mounted to upper reflector.
- Optional UV absorbing tempered prismatic glass (Option -15).

Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H, CWA 10:10 regulation.
- Capacitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.

Fuse

- Fused primary. Renewable. Aids servicing.

Housing

- Seamless, deep-drawn acrylic enameled aluminum.
- Bottom flare interlocks with lower reflector flange.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible cylinder hardware.
- White finish is standard.

Installation

- Center point mounting with snug fit to ceiling.
- Indoor or outdoor for covered ceiling use.
- Mounting beneath surface outlet box available (Option -80).
- Indoor or outdoor for covered ceiling use.

UL Listing

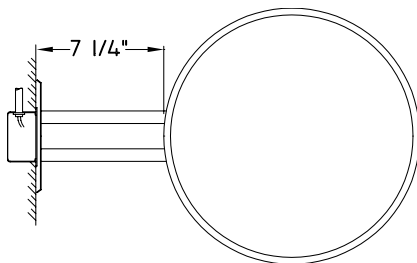
- Wet, damp or dry locations, covered ceilings (See Option -89).

Three Year Limited Warranty

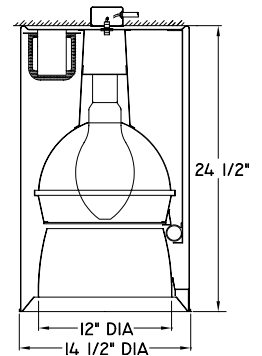
- Complete standard fixture.

THIS FIXTURE HAS BEEN REPLACED BY BESP-14116-PH15 SOME DESIGN OPTIONS MAY HAVE CHANGED

APPROVAL STAMP



PLAN VIEW SHOWN WITH OPTIONAL WALL-BRACKET (OPTION -WB)



THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE ■ DETROIT, MICHIGAN 48207-4232
(313) 259-6400 ■ FAX: (313) 259-9409 OR (313) 259-3121

**HIGH EFFICIENCY
METAL HALIDE LIGHTING**

LAMP WATTAGE
E/BT/ED-37 400

SR51230

DATA

SUBMITTAL

VOLTAGE

WATTAGE

TYPE

MODEL

JOB NAME

LOCATION

SR51230

SURFACE ROUND: 400 WATT MOGUL BASE METAL HALIDE



Performance at a Glance - Installed Fixture

SR51230			Cones of Light			SR51230-15		
Ft.	FC	DIA.	Ft.	FC	DIA.	Ft.	FC	DIA.
6	344.8	7.4	6	366.2	6.5	6	366.2	6.5
8	193.9	9.8	8	206.0	8.6	8	206.0	8.6
10	124.1	12.3	10	131.8	10.8	10	131.8	10.8
12	86.2	14.7	12	91.5	12.9	12	91.5	12.9
14	63.3	17.2	14	67.3	15.1	14	67.3	15.1
16	48.5	19.7	16	51.5	17.2	16	51.5	17.2

Cone of Light Key
Ft. Distance to surface from fixture (mounting height)
FC. Footcandles
DIA. Diameter (in feet) of the circle of light when FC value is half the FC at nadir.

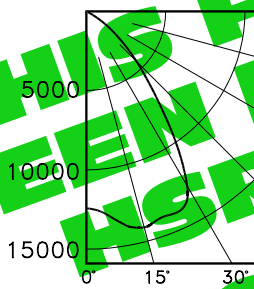
Color Multiplier Guide for Optional Reflectors

- 16 Gold: CP x .95
- 72 Black: CP x .67
- 92 Umber: CP x .75
- 93 Pewter: CP x .90
- OG OptiGroove: CP x .72

Photometric Data - Installed Fixture

SR51230

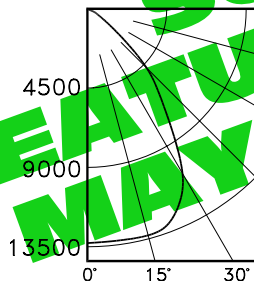
S/MH 1.2
EFF. = 64.9%



LUMEN POWER DISTRIBUTION	COEFFICIENTS OF UTILIZATION				
	20				
	RF	70	50	30	10
0	12412	12412	12412	12412	12412
1	13108	13108	13108	13108	13108
2	13935	13935	13935	13935	13935
3	13759	13759	13759	13759	13759
4	9074	9074	9074	9074	9074
5	4348	4348	4348	4348	4348
6	1318	1318	1318	1318	1318
7	234	234	234	234	234
8	5	5	5	5	5
9	0	0	0	0	0
10	0	0	0	0	0

SR51230-15

S/MH 1.1
EFF. = 59.0%



LUMEN POWER DISTRIBUTION	COEFFICIENTS OF UTILIZATION				
	20				
	RF	70	50	30	10
0	13183	13183	13183	13183	13183
1	13148	13148	13148	13148	13148
2	13441	13441	13441	13441	13441
3	11686	11686	11686	11686	11686
4	7479	7479	7479	7479	7479
5	3833	3833	3833	3833	3833
6	1688	1688	1688	1688	1688
7	391	391	391	391	391
8	19	19	19	19	19
9	0	0	0	0	0
10	0	0	0	0	0

Options

- 15 UV absorbing tempered prismatic flat glass. Spread distribution.
- 16 Champagne Gold anodized Alzak® lower reflector, self-flanged. (CP x .95)
- 23 Mercury ballast instead. 400MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 400MO standard or see Option -43. Specify voltage.
- 31 White flange on lower reflector.
- 35 Silver enameled housing finish instead.
- 36 Gold enameled housing finish instead.
- 37 Bronze enameled housing finish instead.
- 38 Black enameled housing finish instead.
- 43 Lower wattage mogul base specify voltage and wattage for: Metal Halide: 250, 175MO; Mercury: 250, 175MO; HPS: 250, 150MO.
- 49 Extra circuit DCB socket. (250 watt max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket. (250 watt max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (250 watt max.) When energized, provides light until HID reaches 70% output.
- 72 Black anodized Alzak lower reflector, self-flanged. (CP x .67)
- 80 Extension collar with two-1/2" knockouts for mounting luminaire beneath surface outlet box.
- 87 Custom -PM length. Specify up to 5 feet or consult factory. Use with Option -PM.
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with Option -PM.
- 89 Weather Cap - required when luminaire is installed without covered ceiling protection.
- 92 Umber anodized Alzak lower reflector, self-flanged. (CP x .75)
- 93 Pewter anodized Alzak lower reflector, self-flanged. (CP x .90)
- 94 Custom color lower reflector or housing. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3700°K standard for MH). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (250 watt max.) Use only with Options -49, -65 or -66.
- OG OptiGroove black seamless tapered aluminum lower reflector. White trim, self-flanged.
- PM Pendant mount instead. 3/8" T.S. x 18" standard or see Option -87.
- WB Wall bracket mount instead. 7" arm.

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SR51230

WATTAGE 400 LAMP E/BT/ED-37

HIGH EFFICIENCY METAL HALIDE LIGHTING

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLLED TO N.E.C. IN NORMAL USE. Manufacturer at this option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within three years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant the merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.