

Direct - Indirect: Hotel Lobby or Atrium Indoor or Outdoor Illumination

Features

Lamps

- Designed for:
 - 250 watt clear ED/BT-28 vertical (direct)
 - 175 watt coated ED/BT-28 universal (indirect). Metal halide.
- See Option -43 for lower wattage.
- Option -23: Mercury; Option -24: HPS.

Sockets

- Direct: Vertical mogul base.
- Indirect: Horizontal mogul base.
- Glazed porcelain. Silicone leads.
- Nickel-plated brass screw shell.

Reflectors

- Specular Alzak® aluminum.

Trim Assemblies

Direct:

- Seamless tapered black OptiGroove with white interlocking flange.
- UV absorbing tempered low brightness prismatic C#73 flat glass.
- WR51443: flange and lens gasketed.

Indirect:

- WR51443: Weather Cap with UV absorbing tempered low brightness prismatic C#73 flat glass, gasketed.
- WR51444: Tempered prismatic C#73 flat glass on upper reflector.

Ballast Assembly: 3 Year Warranty

- Two WhisperPack™ fully encapsulated 180°C rated HPF ballasts.
- Premium Class H, CWA 10:9 regulation (250 watt) and 10:10 regulation (175 watt).
- Two capacitors supplied.
- 120 volt standard or see optional voltages.
- Cool, Quiet, long-life. Silicone leads.

Fuse

- Fused primary. Renewable. Aids servicing.

Housing

- Seamless, deep-drawn white acrylic enameled aluminum with wall bracket.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible cylinder hardware.

Installation

- Y wall bracket extrusion assembled to housing. Wall plate included.
- WR51443: Outdoor.
- WR51444: Indoor for covered ceiling use.



59% Efficiency
Pendant Mount Optional (WR51444)

UL, C-UL (Canada) Listings

- Wet, damp or dry locations (WR51443).
- Damp or dry locations, covered ceilings (WR51444).

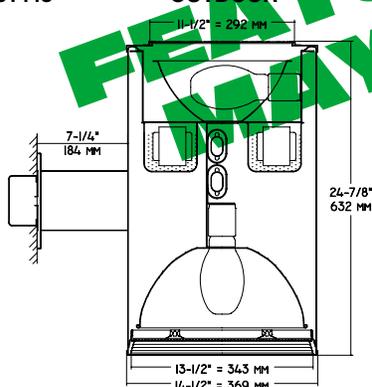
Three Year Limited Warranty

- Complete standard fixture.

Performance at a Glance

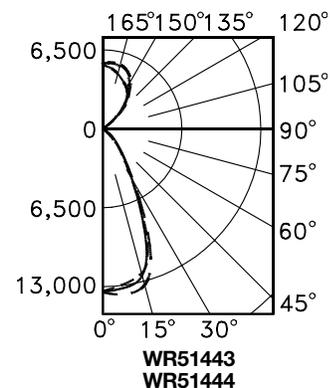
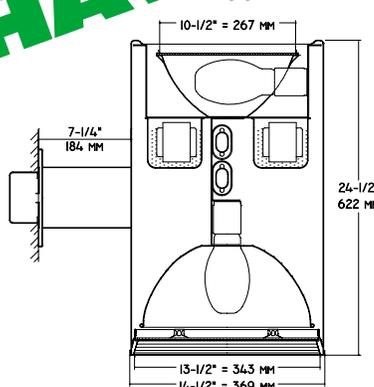
WR51443

OUTDOOR



WR51444

INDOOR



----- 0° S/MH 0.9
————— 90° S/MH 0.8
- - - - - 180° S/MH 0.9

THE KIRLIN COMPANY

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PRECISION LIGHTING
METAL HALIDE

250/175 ED/BT-28

CATALOG NUMBERS

WR51443
WR51444

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Alzak® is a registered trademark of ALCOA.

WR51443
WR51444

WALL BRACKET ROUND: 250/175 WATT MOGUL BASE METAL HALIDE

KIRLIN

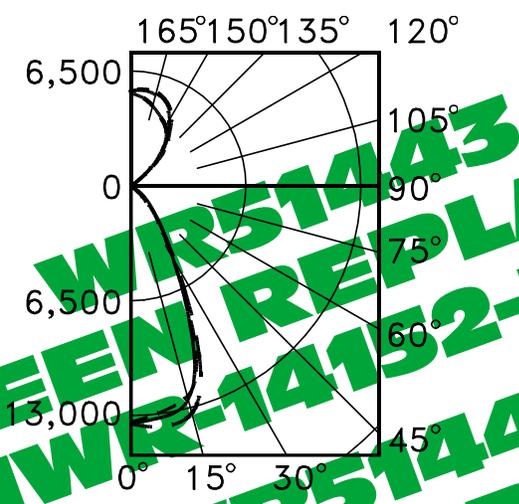
Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) TEST NUMBER 48543

WR51443 (Outdoor)
WR51444 (Indoor)

CANDLEPOWER DISTRIBUTION

	0.0	45.0	90.0	135.0	180.0
0	13268	13268	13268	13268	13268
5	12693	12600	13079	13521	13778
10	5126	4805	4876	4733	5154
25	1099	1035	978	1028	1071
30	357	336	314	314	328
45	0	0	0	0	0
55	209	201	193	201	225
65	723	707	643	731	803
75	3021	2908	2836	3005	3198
85	5046	4861	4652	4845	5094
90	4917	4917	4917	4917	4917



0° S/MH 0.9
90° S/MH 0.8
180° S/MH 0.9

EFFICIENCY = 59.3%

*LER = 39.2 *AEC = \$6.12

COEFFICIENTS OF UTILIZATION

RW	C						
	70	80	90	10	50	30	10
1	62	59	58	56	50	49	48
2	57	54	51	48	46	44	42
3	54	49	45	43	42	40	38
4	50	45	41	38	39	36	34
5	47	41	37	34	36	33	31
6	44	38	34	31	33	31	28
7	41	35	31	28	31	28	26
8	39	33	29	26	29	26	24
9	37	31	27	24	27	25	22
10	35	29	25	22	26	23	21

* LER = Luminaires Efficacy Rating
LER = Luminaire Effic. x Total Lamp Lumens x Ballast Factor
Input Watts

* AEC = Annual Energy Cost per
1000 lumens (based on 3000
hours use @ \$0.08 KWH).

Direct/Indirect Fixtures Note:
The zonal cavity calculation technique is accurate when luminaires with symmetric candle distributions are employed and when the luminaires are located symmetrically throughout the room. These units have special characteristics and therefore the coefficients should be used with caution.

Options

- 23 Mercury ballast instead. 250MO/175MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 250MO ED-28/150MO (NOT FOR G.E. LAMPS) standard or see Option -43. Specify voltage.
- 27 Clear 1/4" tempered glass beneath prismatic flat glass, for vandal resistance. Direct position.
- 35 Silver enameled housing finish instead.
- 36 Gold enameled housing finish instead.
- 37 Dark Bronze enameled housing finish instead.
- 38 Black enameled housing finish instead.
- 40 White grooveless flare trim assembly instead. Direct position.
- 43 Lower wattage - specify voltage and wattage
- 45 Gasket between trim and housing. (WR51444)
- 46 Gasket between trim and lens. (WR51444)
- 49 Extra circuit DCB socket. (For downlight 150W max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Standby relay and DCB socket. (For downlight 150W max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay standby relay and DCB socket. (For downlight 150W max.) When energized, provides light until HID reaches 70% output.
- 87 Custom -PM length. Specify up to 8 feet (coupled entire assembly length) or consult factory. Use with Option -PM. (WR51444 only)
- 88 Swivel canopy for sloped ceilings up to 45°. Earthquake rated. Use with -PM. (WR51444)
- 94 Custom color trim / housing. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- FT Flat white trim with UV absorbing tempered prismatic C#73 flat glass. (Direct position)
- LP With lamps. Specify source, wattage and color temperature (3700°K standard for 250; 3200°K for 175MH). Consult factory for others.
- LS With tungsten halogen standby lamp. (150W max.) Use only with Options -49, -65 or -66.
- PM Pendant mount instead - WR51444 only. 3/8" T.S. x 48" standard. See Options -87 and -88.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____
 TYPE _____
 WATTAGE _____ VOLTAGE _____
 CATALOG NUMBER _____

WR51443 HAS BEEN REPLACED BY WR51444 HAS BEEN REPLACED BY HWR-14152-PR-43-85
 SOME DESIGN FEATURES MAY HAVE CHANGED

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION, ETC., 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 office of manufacturer within the year 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 for the purchase of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use. If a military or other statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void this warranty void.