

Regressed Lens: Skylight / Atrium / Mall

Features

Lamp

- Designed for universal burn:
 - 175 watt coated ED/BT-28: WR51238.
 - 250 watt coated ED/BT-28: WR51239.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

Socket

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

Reflector

- Specular Alzak® aluminum.

Trim Assembly

- Seamless tampered OptiGroove with white flange.
- Self-flanged trim interlocks with housing.
- UV absorbing tempered low brightness prismatic glass.

Ballast Assembly

- Whisper Pack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H; CWA with 10:10 (WR51238) or 10:9 (WR51239) regulation.
- Capacitor (and ignitor for 150 watt or lower) 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.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible cylinder hardware. Wall bracket and white finish are standard.

Installation

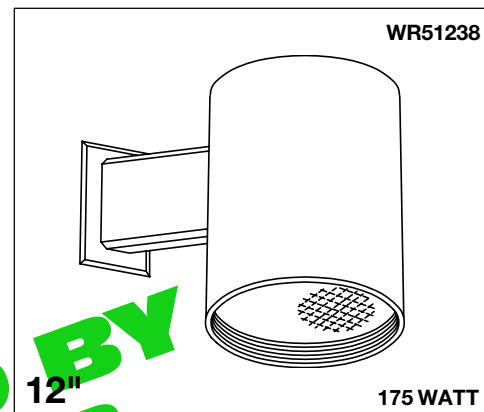
- 7" wall bracket extrusion assembled to housing. Wall plate included.
- Indoor or outdoor for covered ceiling use.
- Mounting beneath surface outlet available (Option -80 for use with -SM).

UL, C-UL (Canada) Listings

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

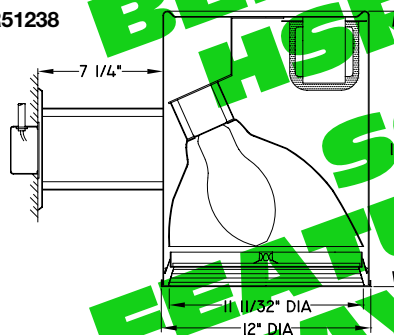
Three Year Limited Warranty

- Complete standard fixture.

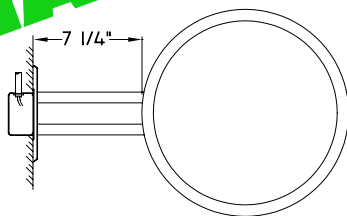
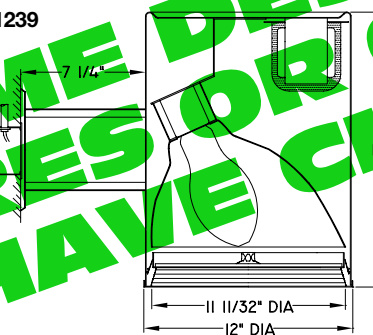


Performance at a Glance

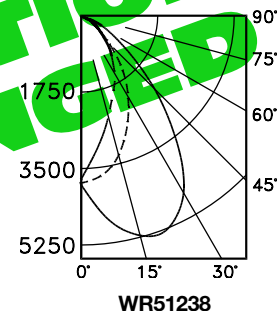
WR51238



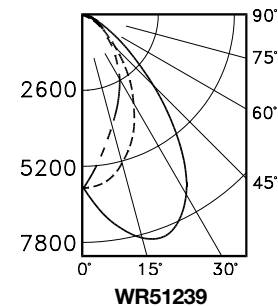
WR51239



OBJECT > — 0°
— 90°
— 180°



WR51238



WR51239

THE KIRLIN COMPANY

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

WR51238 WR51239

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

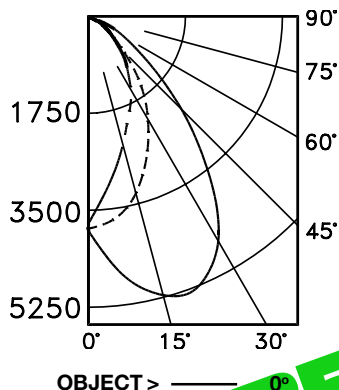
KIRLIN

Detailed Photometry - Installed Fixture

WR51238 - EFFICIENCY = 48.9%

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



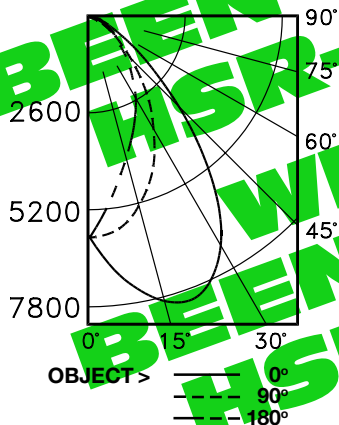
	0.0	45.0	90.0	135.0	180.0
0	4034	4034	4034	4034	4034
5	4604	4402	3990	3631	3506
15	5400	4709	3532	2817	2610
25	5328	4267	2774	2108	1960
35	4140	3164	1937	1461	1364
45	2405	1786	1116	865	817
55	1107	860	516	471	443
65	430	367	274	226	221
75	177	155	119	102	100
85	2	5	6	5	2
90	0	0	0	0	0

RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	55	53	51	50	50	49	47
2	51	48	45	43	45	43	41
3	47	43	40	37	41	39	37
4	44	39	36	33	38	35	32
5	41	36	32	30	34	31	29
6	38	33	29	27	32	29	26
7	36	30	27	24	29	26	24
8	34	28	24	22	27	24	22
9	32	26	23	20	25	22	20
10	30	24	21	19	24	21	18

WR51239 - EFFICIENCY = 48.9%

CANDLEPOWER DISTRIBUTION

COEFFICIENTS OF UTILIZATION



	0.0	45.0	90.0	135.0	180.0
0	5898	5898	5898	5898	5898
5	6782	6436	5834	5309	5126
15	7895	6885	5164	4119	3818
25	7790	6239	4056	3082	2866
35	6053	4626	2832	2136	1994
45	3516	2611	1632	1265	1195
55	1619	1257	754	689	648
65	629	537	401	330	323
75	259	227	174	149	146
85	3	2	9	7	3
90	0	0	0	0	0

RF	20						
RC	80			50			
RW	70	50	30	10	50	30	10
1	55	55	51	50	50	49	47
2	51	48	45	43	45	43	41
3	47	43	40	38	41	39	37
4	44	39	36	33	38	35	33
5	41	36	32	30	34	31	29
6	38	33	29	27	32	29	26
7	36	30	27	24	29	26	24
8	34	28	24	22	27	24	22
9	32	26	23	20	25	22	20
10	30	24	21	19	24	21	18

Options

- 23 Mercury ballast instead. 175MO (WR51238) or 250MO (WR51239) standard; or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150MO (WR51238) or 250MO (WR51239) standard; or see Option -43. Specify voltage.
- 35 Silver enameled housing finish instead.
- 36 Gold enameled housing finish instead.
- 37 Bronze enameled housing finish instead.
- 38 Black enameled housing finish instead.
- 40 White grooveless flare trim assembly instead.
- 43 Lower wattage - specify voltage and wattage for: WR51238: Metal Halide: 150, 100, 70ME; Mercury: 100, 75 ME; HPS: 100, 70ME; WR51239: Mercury: 175, 100MO; HPS: 150MO.
- 45 Gasket above trim flange (between trim and housing).
- 46 Gasket between trim and lens.
- 49 Extra DCB socket. (100 watt max.) Must not be energized simultaneously with main source.
- 58 277 volt 60 Hz. ballast instead.
- 65 Relay and DCB socket (100 watt max.) With fixture energized, provides immediate light during HID outage. Also see Option -66.
- 66 Time delay relay and DCB socket. (100 watt max.) When energized, provides light until HID reaches 70% output.
- 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.
- 94 Custom color trim assembly or housing. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- FT Flat white trim with UV absorbing tempered prismatic glass instead.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3400°K standard for MH) Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (100 watt max.) Use only with Options -49, -65 or -66.
- PM Pendant mount instead. 3/8" T.S. x 18" standard or see Option -87.
- SM Surface mount instead. Also see Option -80.

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME _____

TYPE _____

WATTAGE _____ VOLTAGE _____

CATALOG NUMBER _____

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL, FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. - IN NORMAL USE. Manufacturer at his 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 as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty void.