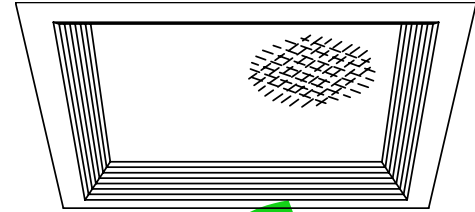


12"

### REGRESSED LENS: DOWNLIGHT DISTRIBUTION



#### Features

##### Lamp

- 175 watt coated ED/BT-28 horizontal.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

##### Socket

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

##### Reflector

- GlasSurfaced™ multi-faceted specular aluminum.

##### Trim Assembly

- Tapered black OptiGroove with white flange.
- Self-flanged trim.
- UV absorbing tempered low brightness prismatic glass.
- Torsion springs retain snug fit to ceiling.
- Optional tempered fresnel lens available (Option -FR).

##### Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H; CWA with 10:10 regulation.
- Capacitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings including dry wall.

##### Fuse

- Fused primary. Renewable. Aids servicing.

##### Housing

- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable trim assembly.
- Built-in plaster frame.

##### Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed.
- Removable insulated cover.
- 1/2" and 3/4" knockouts.

##### Installation

- 27" galvanized channel bar hangers supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Recesses indoor or outdoor in covered locations.

##### UL Listing

- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).

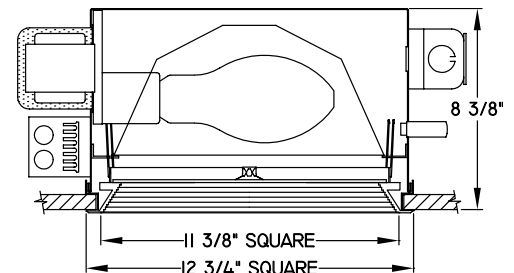
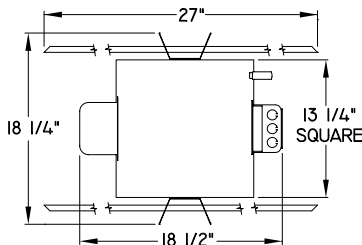
##### Three Year Limited Warranty

- Complete standard fixture.

##### Thermal Protection

- Per current NEC.

#### APPROVAL STAMP



## 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  
ED/BT-28

WATTAGE  
175

# RS51266

# RS51266 RECESSED SQUARE: 175 WATT MOGUL BASE METAL HALIDE

**KIRLIN**

## Performance at a Glance - Installed Fixture

### 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.

RS51266

| Ft. | FC    | DIA. |
|-----|-------|------|
| 6   | 126.1 | 6.1  |
| 8   | 70.9  | 8.1  |
| 10  | 45.4  | 10.2 |
| 12  | 31.5  | 12.2 |
| 14  | 23.2  | 14.2 |
| 16  | 17.7  | 16.2 |

SINGLE FIXTURE

## Cones of Light

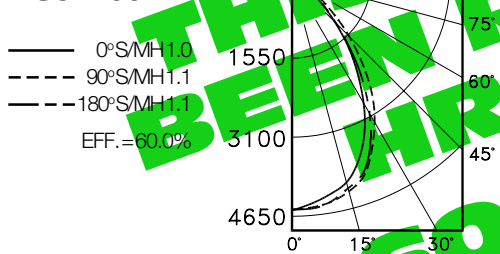
RS51266-FR

| Ft. | FC    | DIA. |
|-----|-------|------|
| 6   | 196.1 | 4.8  |
| 8   | 110.3 | 6.5  |
| 10  | 70.6  | 8.1  |
| 12  | 49.0  | 9.7  |
| 14  | 36.0  | 11.3 |
| 16  | 27.6  | 12.9 |

SINGLE FIXTURE

## Photometric Data - Installed Fixture

### RS51266

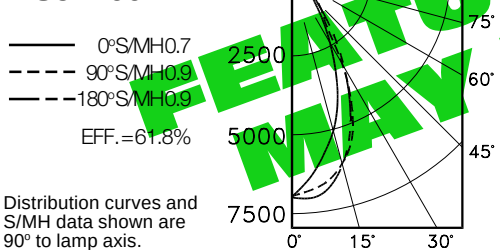


| 0.0  | 45.0 | 90.0 | 135.0 | 180.0 |
|------|------|------|-------|-------|
| 4539 | 4539 | 4539 | 4539  | 4539  |
| 5    | 4480 | 4493 | 4532  | 4554  |
| 15   | 4160 | 4280 | 4398  | 4433  |
| 35   | 3403 | 3725 | 3786  | 3925  |
| 55   | 2223 | 2750 | 2736  | 2925  |
| 75   | 1152 | 1621 | 1498  | 1718  |
| 90   | 496  | 710  | 649   | 746   |
| 105  | 230  | 277  | 262   | 296   |
| 120  | 99   | 102  | 115   | 108   |
| 135  | 2    | 4    | 2     | 3     |
| 150  | 0    | 0    | 0     | 0     |

### COEFFICIENTS OF UTILIZATION

| RC | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
|----|----|----|----|----|----|----|----|
| 1  | 67 | 65 | 63 | 61 | 61 | 60 | 59 |
| 2  | 63 | 59 | 56 | 53 | 56 | 53 | 51 |
| 3  | 58 | 53 | 50 | 47 | 51 | 48 | 46 |
| 4  | 54 | 49 | 45 | 41 | 47 | 43 | 41 |
| 5  | 51 | 45 | 40 | 37 | 43 | 39 | 36 |
| 6  | 48 | 41 | 37 | 33 | 39 | 36 | 33 |
| 7  | 45 | 38 | 33 | 30 | 37 | 33 | 30 |
| 8  | 42 | 35 | 31 | 28 | 34 | 30 | 27 |
| 9  | 39 | 33 | 28 | 25 | 32 | 28 | 25 |
| 10 | 37 | 30 | 26 | 23 | 29 | 26 | 23 |

### RS51266-FR



| 0.0  | 45.0 | 90.0 | 135.0 | 180.0 |
|------|------|------|-------|-------|
| 7060 | 7060 | 7060 | 7060  | 7060  |
| 5    | 6518 | 6641 | 6988  | 7245  |
| 15   | 5070 | 5331 | 6256  | 6358  |
| 35   | 3265 | 3492 | 4480  | 4384  |
| 55   | 1627 | 1725 | 2274  | 2243  |
| 75   | 796  | 861  | 1127  | 997   |
| 90   | 501  | 528  | 806   | 577   |
| 105  | 311  | 311  | 714   | 345   |
| 120  | 140  | 132  | 520   | 153   |
| 135  | 2    | 2    | 1     | 1     |
| 150  | 0    | 0    | 0     | 0     |

| RC | 70 | 50 | 30 | 10 | 50 | 30 | 10 |
|----|----|----|----|----|----|----|----|
| 1  | 69 | 67 | 65 | 63 | 63 | 62 | 60 |
| 2  | 65 | 61 | 58 | 55 | 58 | 55 | 53 |
| 3  | 60 | 55 | 52 | 49 | 53 | 50 | 47 |
| 4  | 57 | 51 | 47 | 44 | 49 | 45 | 43 |
| 5  | 53 | 47 | 43 | 40 | 45 | 42 | 39 |
| 6  | 50 | 44 | 39 | 36 | 42 | 38 | 36 |
| 7  | 47 | 41 | 36 | 33 | 39 | 36 | 33 |
| 8  | 45 | 38 | 34 | 31 | 37 | 33 | 31 |
| 9  | 42 | 36 | 32 | 29 | 35 | 31 | 29 |
| 10 | 40 | 34 | 30 | 27 | 33 | 29 | 27 |

## Options

- 23 Mercury ballast instead. 175MO standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150MO standard or see Option -43. Specify voltage.
- 27 Clear 1/4" tempered glass beneath prismatic flat lens, for vandal resistance.
- 40 White grooveless flare trim assembly instead.
- 43 Lower wattage - specify voltage and wattage for: Mercury: 100;

- 45 Gasket above trim flange (between trim and ceiling).
- 46 Gasket between trim and lens.
- 49 Extra circuit 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.

- 94 Custom color trim assembly. Consult factory.
- 97 Other voltage ballasts. Consult factory.
- 99 Special modification. Consult factory.
- FR Fresnel tempered lens instead. Concentric prisms.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3200°K standard). Consult factory for other color temperatures.
- LS With tungsten halogen standby lamp. (100 watt max.) Use only with Options -49, -65 or -66.

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**RS51266**

WATTAGE

175

LAMP

ED/BT-28

**HIGH EFFICIENCY  
METAL HALIDE LIGHTING**

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 neither manufacturer nor its dealers, distributors, or other personnel shall be held responsible for any 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, express or implied, and shall not be construed to 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.