

# Durable, Compact, Efficient Protection from Vandalism

## Features

### Lamp

- Designed for:  
100 watt coated E/ED17 horizontal or universal.
- See Option -43 for optional lower wattage.
- Option -23 for Mercury, Option -24 for HPS.

### Socket

- Horizontal. Medium base. Pulse rated.
- Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads.

### Reflector

- GlasSurfaced™ multi-faceted specular aluminum.
- Minimum 94% reflectivity.

### Trim Assembly

- Injection-molded polycarbonate drop bisymmetric distribution lens. UV stabilized.
- Lens retained by permanent continuous lens clamps (tempered aluminum) with captive nuts and four flush center-pin tamper-proof screws. Visible portion white.
- Drop asymmetric prismatic polycarbonate lens available. (See Option -41) Also see -27.

### Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast.
- Premium Class H high reactance with 5:12 regulation.

- Capacitor and ignitor supplied.
- 120 volt standard or see optional voltages.
- Cool, quiet, long-life. Silicone leads.
- Visible and easily serviced in all ceilings.

### Fuse

- Fused primary. Renewable. Aids servicing.

### Housing

- Extra strong 6063-T6 tempered extruded aluminum.
- White polyester enamel finish.
- Rustproof. Exceeds 1000 hour ASTM 5% salt spray test.
- Cool: Dissipates heat across entire surface area.
- Entire luminaire serviced through removable trim assembly.

### Outlet Box

- Prewired 14 GA (NEC) galvanized steel, UL listed. Use 90° supply wire.

**For Indoor or Outdoor Use  
HPS and Mercury Available**

- Removable insulated cover.
- 1/2" and 3/4" knockouts.

### Installation

- Two die-formed vertically adjustable 16 gauge steel mounting yokes supplied.
- Recesses indoor or outdoor in covered locations. Access hole is 7/8" diameter.
- Wet plaster frame available. (See Option -47)
- Concrete pour adaptation available. (See Option -78)
- Tamper-proof tools included, minimum one per ten fixtures.

### UL, C-UL (Canada) Listings

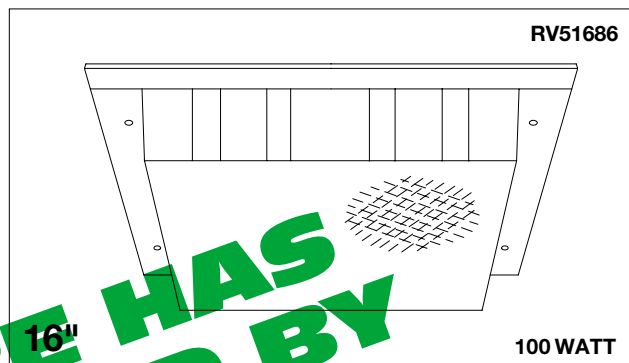
- Wet, damp or dry locations, covered ceilings.

### Three Year Limited Warranty

- Complete standard fixture.

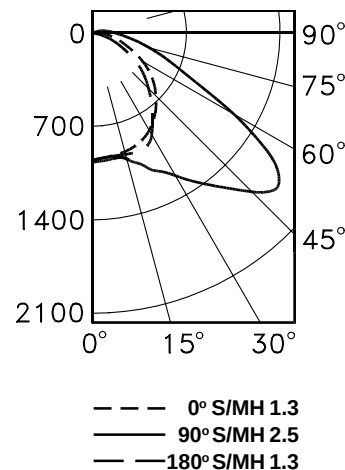
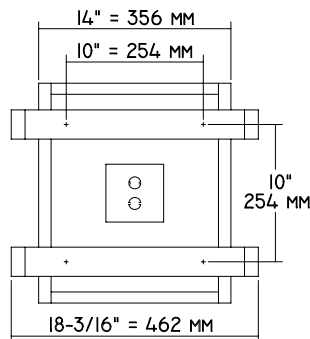
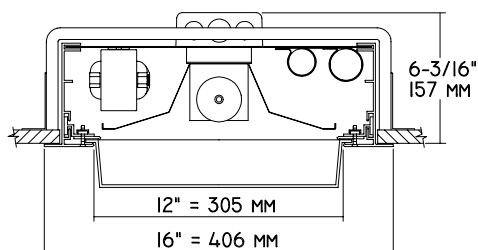
### Thermal Protection

- Per current NEC.



## Performance at a Glance

RV51686



Distribution curve and S/MH data shown are 90° to lamp axis.

# THE KIRLIN COMPANY

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**HIGH EFFICIENCY  
VANDAL RESISTANT  
METAL HALIDE LIGHTING**

LAMP

MAXIMUM WATTAGE

CATALOG NUMBER

**E/ED17**

**100**

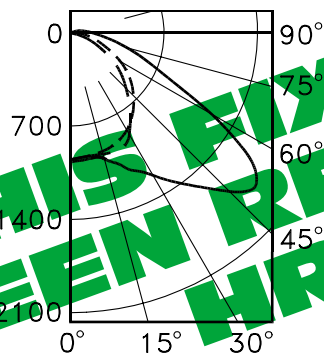
**RV51686**

THE KIRLIN COMPANY RESERVES THE RIGHT TO CHANGE, WITHOUT NOTICE, DETAILS OR SPECIFICATIONS IN PRODUCT DESIGN.

## Detailed Photometry - Installed Fixture

CANDLEPOWER DISTRIBUTION

|     | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|-----|-----|------|------|-------|-------|
| 0   | 901 | 901  | 901  | 901   | 901   |
| 5   | 905 | 904  | 920  | 920   | 902   |
| 15  | 922 | 959  | 951  | 916   | 931   |
| 25  | 891 | 1032 | 1114 | 1001  | 919   |
| 35  | 770 | 1223 | 1367 | 1199  | 759   |
| 55  | 478 | 1198 | 1712 | 985   | 385   |
| 75  | 155 | 311  | 302  | 248   | 135   |
| 90  | 47  | 94   | 69   | 77    | 47    |
| 105 | 42  | 65   | 44   | 63    | 44    |
| 125 | 26  | 15   | 9    | 19    | 32    |
| 145 | 0   | 0    | 0    | 0     | 0     |



--- 0° S/MH 1.3

— 90° S/MH 2.5

— 180° S/MH 1.3

EFFICIENCY = 57.8%

COEFFICIENTS OF UTILIZATION

| REF | 8  | 10 | 12 | 14 | 16 | 18 | 20 |
|-----|----|----|----|----|----|----|----|
| RC  | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| RV  | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 2   | 62 | 59 | 56 | 54 | 55 | 53 | 51 |
| 2   | 56 | 51 | 47 | 43 | 47 | 44 | 41 |
| 2   | 50 | 44 | 39 | 35 | 41 | 37 | 34 |
| 2   | 46 | 38 | 33 | 29 | 36 | 31 | 28 |
| 5   | 42 | 34 | 28 | 24 | 31 | 27 | 23 |
| 5   | 38 | 30 | 24 | 21 | 28 | 23 | 20 |
| 7   | 35 | 27 | 21 | 18 | 25 | 21 | 17 |
| 8   | 32 | 24 | 19 | 15 | 23 | 18 | 15 |
| 9   | 30 | 22 | 17 | 14 | 21 | 16 | 13 |
| 10  | 28 | 20 | 15 | 12 | 19 | 15 | 12 |

## Options

- 23 Mercury ballast instead. 100ME standard or see Option -43. Specify voltage.
- 24 HPS ballast instead. 150ME standard or see Option -43. Specify voltage.
- 27 Clear 1/4" tempered glass beneath tempered prismatic C#73 flat glass lens (also vandal resistant).
- 35 Silver enameled finish instead.
- 36 Gold enameled finish instead.
- 37 Dark Bronze enameled finish instead.
- 38 Black enameled finish instead.
- 41 Drop asymmetric prismatic poly lens instead.
- 43 Lower wattage medium base - specify

- voltage and wattage for: Metal Halide: 70, 50; Mercury: 75, 50; HPS: 100, 70, 50, 35.
- 45 End gasketing between trim and ceiling.
- 46 End gasketing between trim and lens.
- 47 Galvanized steel plaster frame for wet plaster ceiling.
- 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.

- 77 Special "break-off" screw. One per fixture. Eliminates fixture access.
- 78 Concrete pour housing preparation for use with wet concrete pouring.
- 94 Custom color finish. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory.
- 99 Special modification. Consult factory.
- LP With lamp. Specify source, wattage, color temperature, and clear or coated (3200°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.

## SUBMITTAL DATA

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_

WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_

CATALOG NUMBER \_\_\_\_\_

## APPROVAL STAMP

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED 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. 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.