

## Parabolic Directional Cylinders: Atrium and Retail 3 Beam Spreads Available By Lens Selection

### Features

#### Lamp

- Designed for:
  - 175 watt clear E/ED-17 MH for SR41223.
  - 400 watt clear ED/BT-28 MH for SR41424.
- See Option -43 for lower wattage.
- Option -23: Mercury; Option -24: HPS; Option -29: White Son (SR41223).

#### Socket

- Medium base for SR41223. Mogul base for SR41424.
- Glazed porcelain. Silicone leads.
- Nickel-plated brass screw shell.

#### Reflector

- Upper: Parabolic specular Alzak® aluminum. Assembly swivels 368° and tilts up to 30°.
- Lower: Low brightness parabolic specular Alzak aluminum, self-flanged.
- Thirteen optional specular Alzak or SoFlex lower reflector finishes available.

#### Lens

- UV absorbing tempered Industrix mounted to upper reflector. (Medium distribution)
- UV absorbing tempered prismatic C#73 glass instead (Option -15). (Wider distribution)
- UV absorbing clear tempered glass instead (Option -28). (Narrower distribution)

#### Ballast Assembly

- WhisperPack™ fully encapsulated 180°C rated HPF ballast: 3 year warranty.
- Premium Class H: CWA 10:10 (SR41223) or 10:9 (SR41424) 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. White finish.
- Cool: Dissipates heat across entire surface area.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- No visible cylinder hardware.

#### Installation

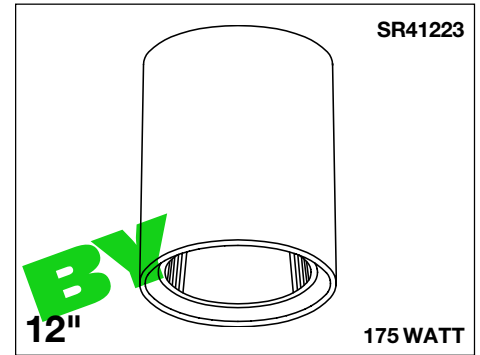
- Center point mounting. Snug fit to ceiling.
- Indoor or outdoor for covered ceiling use.
- Mounting beneath outlet box (Option -80).

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

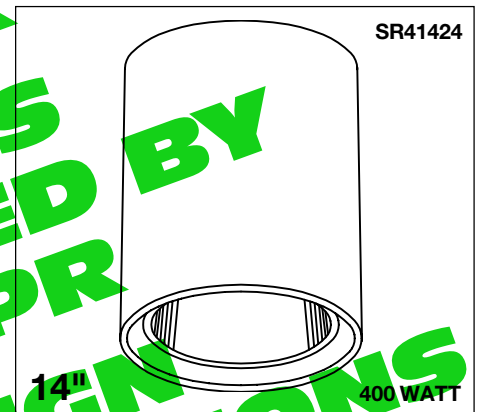
- Wet, damp or dry locations, covered ceilings. (See Option -89)

#### Three Year Limited Warranty

- Complete standard fixture.



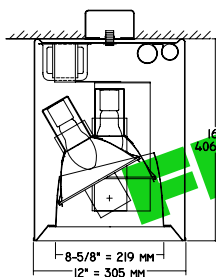
Retail Highlighting



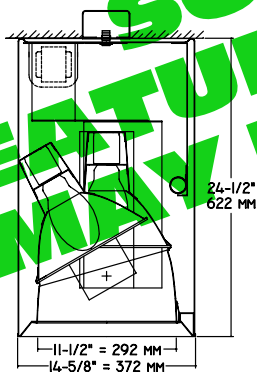
180 Footcandles at 20'  
737 Footcandles: Option -28

### Performance at a Glance

SR41223



SR41424

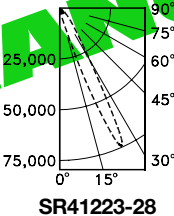


CP Distribution

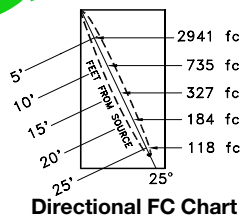


Directional FC Chart

CP Distribution

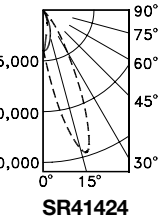


SR41223-28

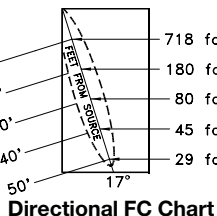


Directional FC Chart

CP Distribution

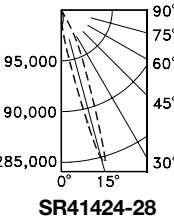


SR41424

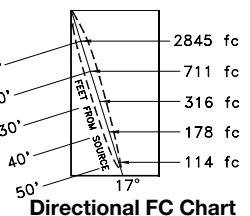


Directional FC Chart

CP Distribution



SR41424-28



Directional FC Chart

## THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232  
(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.light-link.com/kirlin

PRECISION LIGHTING  
METAL HALIDE

MAXIMUM WATTAGE  
**175 E/ED-17**  
**400 ED/BT-28**

CATALOG NUMBERS  
**SR41223**  
**SR41424**

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Alzak® is a registered trademark of ALCOA.

**SR41223  
SR41424**

**RECESSED ROUND: 175 WATT MEDIUM BASE METAL HALIDE**



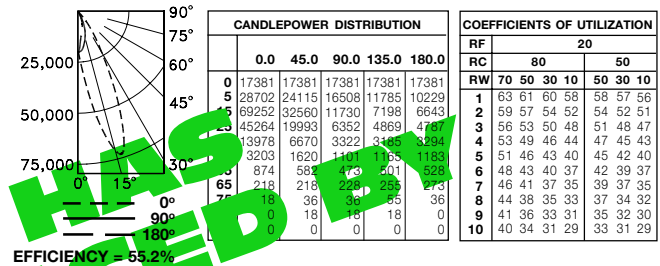
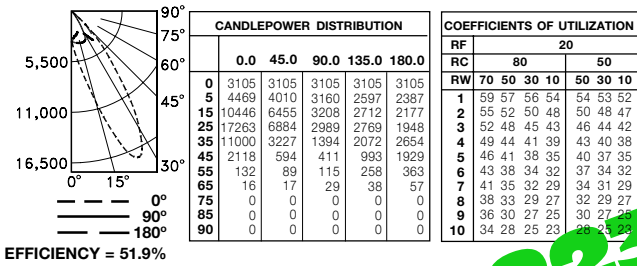
**Detailed Photometry - Installed Fixture**

FROM I.T.L. (BOULDER, CO)

SR41223: TEST NUMBER 43901 SR41424: TEST NUMBER 41290  
 SR41223-15: TEST NUMBER 43899 SR41424-15: TEST NUMBER 41291  
 SR41223-28: TEST NUMBER 43900 SR41424-28: TEST NUMBER 41292

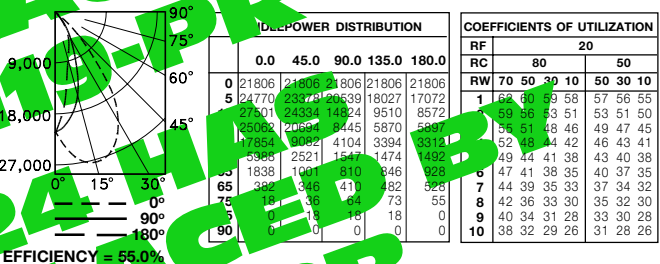
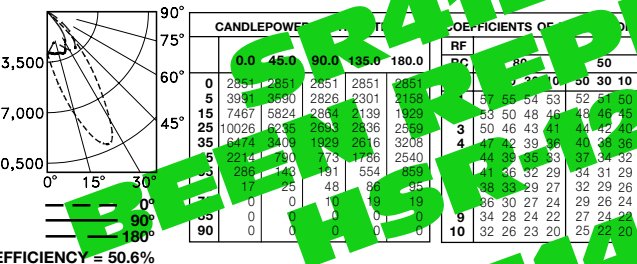
**SR41223 \*LER = 32.1 •AEC = \$7.48**

**SR41424 \*LER = 41.2 •AEC = \$5.82**



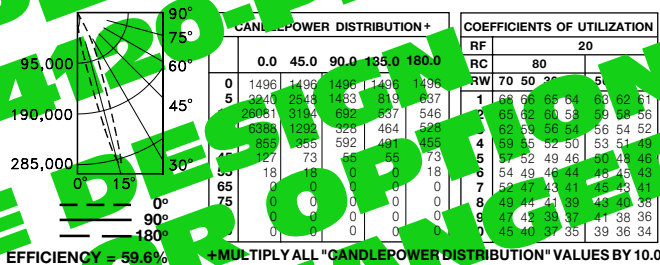
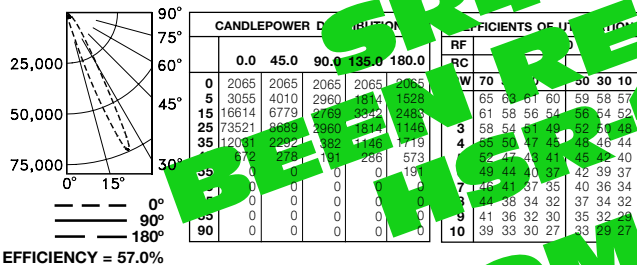
**SR41223-15 \*LER = 31.3 •AEC = \$7.67**

**SR41424-15 \*LER = 41.1 •AEC = \$5.84**



**SR41223-28 \*LER = 35.3 •AEC = \$6.81**

**SR41424-28 + \*LER = 44.5 •AEC = \$5.39**



\* LER = Luminaire 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).

**Options**

- 15 Prismatic flat C#73 glass instead. Wider beam.
- 16 Champagne Gold Alzak® lower cone. (CP x .98)
- 23 Mercury ballast instead. 100ME (SR41223); 250MO (SR41424) or see Option -43.
- 24 HPS ballast instead. 150ME (SR41223); 250MO - NOT G.E. LAMP (SR41424) or see Option -43.
- 28 Clear tempered glass instead. Narrower beam.
- 29 White Son 100W 120V ballast instead. (SR41223).
- 30 White lower cone, self-flanged. (CP x .98)
- 31 White flange (only) on Alzak lower cone.
- 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.
- 43 Lower wattage - specify voltage and wattage: Metal Halide: 150, 100, 70, 50, 35ME (SR41223) or 250, 175MO (SR41424); Mercury: 75, 50ME (SR41223) or 175MO (SR41424); HPS: 100, 70, 50, 35ME (SR41223) or 150MO (SR41424); White Son: 50ME (SR41223).
- 45 Gasket between flange and housing.
- 49 Extra circuit DCB socket. Use with emergency power only. (Max. 100W: SR41223; 150W: SR41424)
- 58 277 volt 60 Hz. ballast instead.
- 63 Dune specular Alzak lower cone. (CP x .97)
- 65 Standby relay and DCB socket (Max. 100W: SR41223; 150W: SR41424) or see Option -66.
- 66 Time delay standby relay and DCB socket. (Max. 100W: SR41223; 150W: SR41424)
- 69 Wheat specular Alzak lower cone. (CP x .97)
- 70 SoftTex Clear lower cone. (CP x .95)
- 71 SoftTex Dune lower cone. (CP x .95)
- 72 Black specular Alzak lower cone. (CP x .80)
- 80 Extension collar. (Surface outlet box mount)
- 87 Custom -PM length up to 4 feet. Use with -PM.
- 88 Swivel canopy for sloped ceilings up to 45°.
- 89 Earthquake rated. Use with Option -PM.
- 89 Sealed top feature prevents moisture and insect intrusion from above in outdoor or high humidity areas.
- 90 Use with Option -PM or -WB.
- 90 SoftTex Champagne Gold lower cone. (CP x .96)
- 91 SoftTex Wheat lower cone. (CP x .95)
- 92 Umber specular Alzak lower cone. (CP x .90)
- 93 Pewter specular Alzak lower cone. (CP x .95)
- 94 Custom color cone / housing. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 99 Special modification. Consult factory.
- HL High to Low light output - provides 100% to 50% bi-level lighting. 120 or 277V only for SR41223: 175 MH or 150 HPS; SR41424: 400, 250, 175 MH or 400, 250, 150 HPS. Requires separate control circuit.
- LP With clear lamp. Specify source, wattage and °K (3700°K standard for MH). Consult factory for others.
- LS With tungsten halogen standby lamp. (Max. 100W: SR41223; 150W: SR41424) Use with -49, -65 or -66.
- OG OptiGroove black cone / white trim. (CP x .82)
- PM Pendant instead. 3/8" T.S. x 18". See -87, -88 and -89.
- WB Wall bracket mount instead. Also see -89. 7" length.

**SUBMITTAL DATA**

**APPROVAL STAMP**

JOB NAME \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 WATTAGE \_\_\_\_\_ VOLTAGE \_\_\_\_\_  
 CATALOG NUMBER \_\_\_\_\_

Alzak® is a registered trademark of ALCOA.

**Directional Fixtures Note:** The zonal cavity calculation technique is accurate when luminaires with symmetric candela 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.

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. / N.NORM. 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 three years of original shipment date. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions. 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 purchaser in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor does the manufacturer warrant the fixture without prior written authorization from the manufacturer.