

### 6" Type IC Open Downlight for 42 Watt

#### Features

##### Lamp

- Designed for:
  - 1 vertical Triple Tube 42 watt.
- 4 pin GX24q-4 base.
- 90% lumen output maintained at ballast minimum operating temperature.
- Flicker-free starting, high light output, excellent color rendering (82 CRI).
- Long 10,000 hour life.
- High efficiency with low operating costs.
- See Option -43 for lower wattage.

##### Ballast

- Regulating electronic high power factor, thermally protected, encased.
- Cold weather standard. -18°C to -20°C (0°F to -5°F) rated.
- Built-in RIF filter. THD is less than 10%.
- 120 volt standard or see optional voltages.
- Dimming optional. See Option -39 for availability and restrictions.

##### Fuse

- Available as Option -FS.

##### Reflector

- Self-flanged low indescence specular Alzak® aluminum reflector.
- Optional SofTex softly etched Clear, Dune, Champagne Gold or Wheat available.
- Optional OptiGroove assembly available.

##### Housing

- Acrylic enameled aluminum.
- Cool: Dissipates heat across entire surface area. Ventilated.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through removable reflector.
- Prewired outlet box; 14GA (NEC) galvanized steel. UL listed. Accessible through fixture opening.
- Built-in plaster frame.

##### Installation

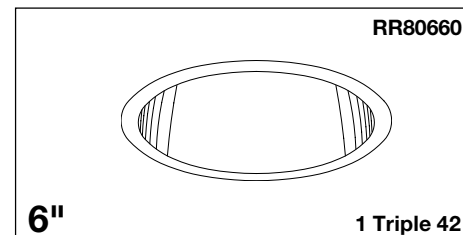
- 27" hanger bars supplied (2).
- Fully adjustable universal mounting brackets supplied (2).
- Reflector and socket bracket adjust as unit for ease of installation.
- Recesses indoor or outdoor in covered locations.

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

- Wet, damp or dry locations, covered ceilings.
- Through-branch circuit conductors (6 #12).
- Type IC. Approved for direct contact with insulation.

##### Three Year Limited Warranty

- Complete standard fixture.

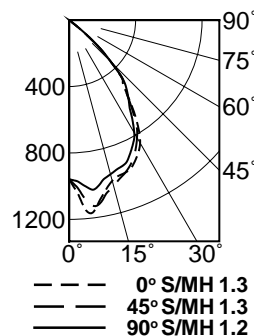
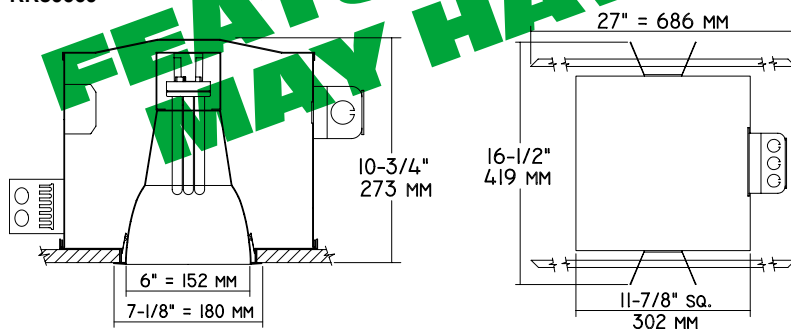


**Low Brightness  
Type IC - Dimming Optional**

**SofTex Clear, Dune,  
Champagne Gold or Wheat  
Reflector Finishes  
Available**

#### Performance at a Glance

RR80660



##### Cone of Light\*

Ft.	FC	Dia.
6	26.6	7.3
8	15.0	9.7
10	9.6	12.2
12	6.7	14.6
14	4.9	17.0
16	3.7	19.4

##### Cone of Light Key

- Ft. Distance from fixture
  - FC Footcandles (average)
  - Dia. Circle of light at 50% of FC
- \* Dia. (in ft.) shown is where FC value is half the FC at nadir.

## THE KIRLIN COMPANY

3401 EAST JEFFERSON AVENUE • DETROIT, MICHIGAN 48207-4232  
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**SECOND CENTURY SERIES  
TRIPLE TUBE  
COMPACT FLUORESCENT LIGHTING**

MAXIMUM WATTAGE

CATALOG NUMBER

**1 Triple 42**

**RR80660**

DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS,  
TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

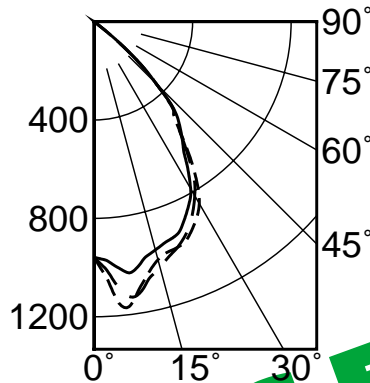
## Detailed Photometry - Installed Fixture

FROM I.T.L. (BOULDER, CO) TEST NUMBER 48597

RR80660

\*LER = 31.0

•AEC = \$7.74



## Estimated Multipliers

- 70 SoftTex Clear: CP x .93
- 71 SoftTex Dune: CP x .87
- 90 SoftTex Champagne Gold: CP x .90
- 91 SoftTex Wheat: CP x .87
- OG OptiGroove: CP x .75

## CANDLEPOWER DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	958	958	958	958	958
5	1148	1129	1078	1016	998
15	1002	1038	1034	975	961
25	937	938	916	888	876
35	685	660	666	634	632
45	358	373	352	356	355
55	2	2	2	2	2
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

## COEFFICIENTS OF UTILIZATION

Room	0	30	10	50	90	0
1	53	52	50	49	48	47
2	50	47	45	44	43	42
3	47	44	41	39	40	38
4	44	40	37	35	36	35
5	42	37	34	32	33	31
6	39	34	31	29	30	29
7	37	32	29	27	28	26
8	35	30	27	24	26	24
9	33	28	25	22	24	22
10	31	26	23	21	23	21

• AEC = Annual Energy Cost per 1000 lumens  
(based on 3000 hours use @ \$.08 KWH).

\* LER = Luminaire Efficiency Rating  
LER = Luminaire Effic. x Total Lumens x Ballast Factor  
Hour Watts

## Options

- 31 White reflector trim, self-flanged.
- 32 Trim extender. Broadens trim flange O.D. by 1" to cover larger ceiling opening.
- 39 Installed electronic dimming ballast. Consult factory for 32, 26 or 18 watt or for quantity and type required. Also see Options -LE and -WD. Indoor use.
- 43 Lower wattage triple tube: Specify 1-32, 26 or 18 watt.
- 45 Gasket above reflector flange. Stops dust streaks on ceiling.
- 58 277 volt 60 Hz. ballast instead.
- 70 SoftTex Clear softly etched self-flanged reflector. Resists smudges. (CP x .93)
- 71 SoftTex Dune softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 73 Internal emergency "Ni-Cad" battery pack concealed in housing. Switch and light unobtrusively located inside reflector. Indoor use.
- 79 Extension collar for up to 2" thick ceilings.
- 82 Sloped ceiling adapter. Specify slope in 5° increments up to 30°.
- 90 SoftTex Champagne Gold softly etched self-flanged reflector. Resists smudges. (CP x .90)
- 91 SoftTex Wheat softly etched self-flanged reflector. Resists smudges. (CP x .87)
- 94 Specular Pewter or Umber or other specified custom color self-flanged reflector. Consult factory.
- 97 Other voltage ballast. Consult factory.
- 98 347 volt 60 Hz. ballast instead. Consult factory for dimming.
- 99 Special modification. Consult factory.
- FS Fused. Replaceable. Aids servicing.
- LE With 4-pin electronic Triple Tube amalgam lamp. 82 CRI and 10,000 hour life. 3500°K or consult factory for 2700°K, 3000°K or 4100°K. Specify wattage and color temperature.
- OG OptiGroove black seamless tapered aluminum assembly. White trim, self-flanged. (CP x .75)
- WD Wall Dimmer for use with Option -39. Consult factory.

## 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. OR IN NORMAL USE. Manufacturer at this option will replace or repair such fixture or relamp 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 from the manufacturer will render the warranty void.