

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

8" 1 Triple 42 WATT MAXIMUM Type IC - VRR-08013

Vandal Resistant "IP65 Rated" Sealed & Gasketed Small Aperture

Specifications

Lamp

- Designed for one 4-pin triple tube amalgam or quad compact fluorescent lamp:
42/32/26W triple or 26W quad.

Ballast: Multi-Wattage/Voltage

- Installed electronic high power factor, thermally protected. For lower wattages: Option -43.
- 120-277 multi-volt; 50-60 Hz. THD <10%.
- ClickQuick connectors for easy service.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see Option -FS.

Reflector

- Specular Alzak® aluminum.

Trim / Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare trim or see Option -OG.
- Flush center pin tamperproof hex screws (2) with captive nuts secure trim to housing.
- 3/16" prismatic high strength acrylic lens above 1/4" clear polycarbonate. Continuous ring secures lens to trim.

- Tamperproof tool included.

5X Sealed and Gasketed

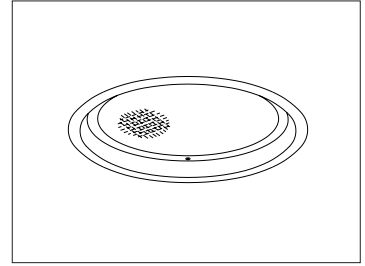
- (1) Silicone seal between trim and lens seals lens to trim, (2) closed cell gasketing between trim and housing flange seals trim to housing, (3) closed cell gasketing on trim flange seals flange to ceiling (4) closed cell gasketing on bottom pan seals housing to ceiling and (5) neoprene O-rings on stainless steel fasteners seal fasteners to trim.

Aluminum Housing

- Acrylic enameled. Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Built-in plaster frame surrounded by closed cell silicone gasketing seals housing to ceiling.
- Lightweight: Minimizes ceiling load.
- Cool operation: Extends component life.
- Entire luminaire serviced through aperture.
- Air Tight design. Meets / exceeds ASTM E283 restricted airflow of 2 CFM maximum.

Outlet Box

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



Installation

- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

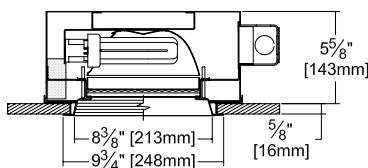
- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6#12 AWG 90°C).
- Type IC. Approved for direct contact with insulation.

Three Year Limited Warranty

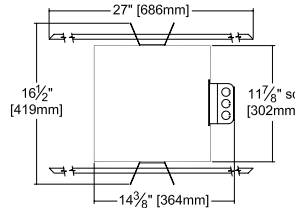
- Complete standard fixture and ballast.

Performance at a Glance

VRR-08013: Type IC



Option -OG Also Shown

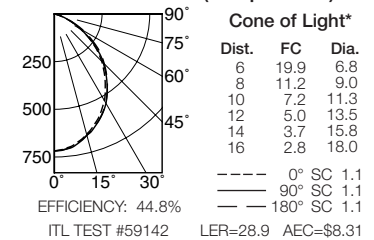


Ceiling Cut-out
9" Dia.

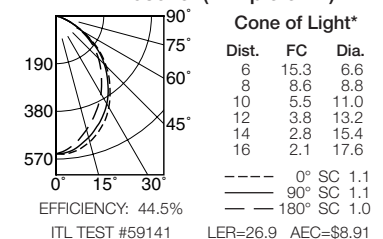
Cone of Light Key
Ft. Distance from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

* Dia. (in ft.) shown is where FC value is half the FC at nadir.

VRR-08013 (1 Triple 42W)



VRR-08013 (1 Triple 32W)



THE KIRLIN COMPANY

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

**ENERGY EFFICIENT VANDAL RESISTANT
& MAXIMUM SECURITY LIGHTING**

MAXIMUM WATTAGE

1 Triple 42

CATALOG NUMBER

VRR-08013

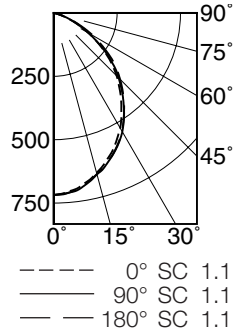
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

Photometry from I.T.L., Boulder, CO

VRR-08013 (1 Triple 42)



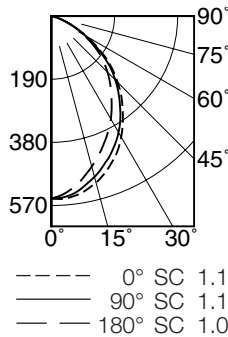
EFFICIENCY : 44.8%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	718	718	718	718	718
5	706	708	711	711	711
15	653	659	659	659	658
25	573	583	587	582	585
35	465	480	484	475	483
45	351	363	362	358	370
55	224	230	225	228	243
65	99	103	101	103	113
75	16	19	20	20	21
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	50	48	47	45	45	44	43
2	46	43	40	38	41	39	37
3	42	38	35	33	36	34	32
4	39	35	31	28	33	30	28
5	36	31	28	25	30	27	25
6	34	28	25	22	27	24	22
7	31	26	22	20	25	22	20
8	29	24	20	18	23	20	18
9	27	22	18	16	21	18	16
10	26	20	17	15	20	17	15

ITL TEST #59142 *LER=28.9 •AEC=\$8.31

VRR-08013 (1 Triple 32)



EFFICIENCY : 44.5%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	549	549	549	549	549
5	550	550	544	536	532
15	519	518	501	480	469
25	460	460	440	407	396
35	375	381	362	324	316
45	282	287	272	238	239
55	176	180	169	148	156
65	75	78	74	67	74
75	11	14	14	15	15
85	0	0	0	0	0
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	49	48	46	45	45	44	43
2	46	43	40	38	40	38	37
3	42	38	35	33	36	34	32
4	39	34	31	28	33	30	28
5	36	31	28	25	30	27	25
6	34	28	25	22	27	24	22
7	31	26	22	20	25	22	20
8	29	24	20	18	23	20	18
9	27	22	18	16	21	18	16
10	26	20	17	15	20	17	15

ITL TEST #59141 *LER=26.9 •AEC=\$8.91

* LER = Luminaire Efficiency 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

Ballast, Wattage and Voltage

- 39 Installed electronic dimming ballast. Not Type IC listed. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand.
- 43 Lower wattage: for 4-pin 18W triple or 18-13W quad. Specify wattage.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage¹

Internal (factory installed) ballast, test switch and indicator light. Suitable for damp locations from

- 0° to 50°C (32° to 122°F) or with Cold Weather version (see -CE) -20° to 55°C (-4° to 131°F).
- 73 Internal EM ballast. Specify voltage.
- CE Internal cold weather (-20° to 55°C) EM ballast. Specify voltage.
- HE¹ Internal higher lumen (up to 1250) EM ballast. 13-32W only. Specify voltage.

Lenses and Trims

- 94 Custom color/finish. Specify. Consult factory.
- CF High temperature color filter. Specify color.
- OG Black OptiGroove flare trim. (CP x .95)

- UV UV filter. Consult factory.

Other

- 99 Special modification. Consult factory.
- FS Additional in-line fuse. Not available with Option -98(347V).
- LE With 4-pin electronic lamp. 3500°K standard. 82 CRI and 12,000 hour life. Specify wattage, style and color temperature.

¹ Visit www.kirlinlighting.com for most current performance/specifications.

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP