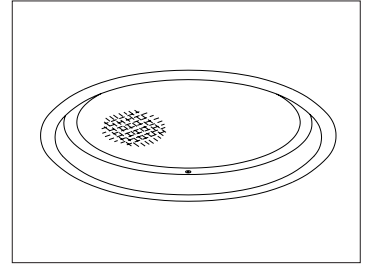


CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

10" 1 Triple 57 WATT MAXIMUM

VRR-10019

Vandal Resistant Concrete Pour with Shallow Depth



Specifications

Lamp

- Designed for 4-pin triple/four tube amalgam or quad compact fluorescent lamp(s): one 57W triple/four tube.

Ballast: Multi-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.
- Single circuit wiring or see Option -84.
- Cold weather -22°F (-30°C).
- End of lamp life protection circuit. RFI filter.
- Internally fused. Also see Options -FS, -FD.

Reflector

- Specular Alzak® aluminum.

Trim / Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare trim or see -OG.
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing.

- Prismatic 3/16" high strength acrylic above 1/4" clear polycarbonate.
- Continuous ring secures lens to trim.
- For gasketing, see Options -45 and -46.
- Tamperproof tool included.

Concrete Pour Housing

- 16 GA. galvanized steel with black enamel finish.
- Fully gasketed.
- Entire luminaire serviced through aperture.
- 2" collar promotes concrete flow.

Outlet Box

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

Installation

- Recesses indoor or outdoor in poured concrete ceilings.

UL, C-UL (Canada) Listings

- For use in poured concrete.
- Through-branch conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

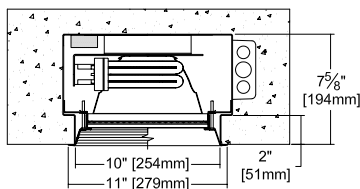
- Complete standard fixture and ballast.



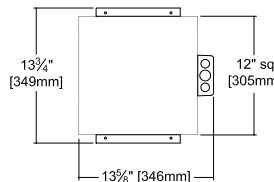
**Exceptional
Energy
Efficiency**

Performance at a Glance

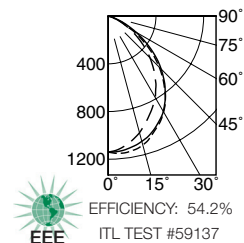
VRR-10019



Option -OG Also Shown



VRR-10019 (1 Triple 57W)



Cone of Light*		
Dist.	FC	Dia.
6	31.7	7.1
8	17.8	9.4
10	11.4	11.8
12	7.9	14.1
14	5.8	16.5
16	4.5	18.8

0°	SC 1.2	
90°	SC 1.2	
180°	SC 1.1	
LER=34.4 AEC=\$6.97		

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.

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 57

CATALOG NUMBER

VRR-10019

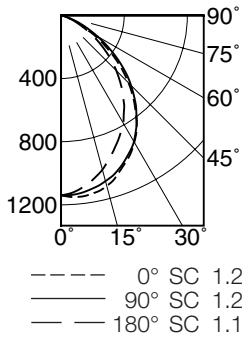
DUE TO OUR CONTINUING EFFORT TO IMPROVE PRODUCTS, TECHNICAL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

VRR-10019 (1 Triple 57)



EFFICIENCY : 54.2%

CANDLEPOWER DISTRIBUTION					
	0.0	45.0	90.0	135.0	180.0
0	1140	1140	1140	1140	1140
5	1154	1150	1136	1120	1116
15	1118	1105	1087	1024	1012
25	1002	1027	988	905	863
35	834	895	836	756	697
45	604	681	627	558	495
55	348	416	386	332	287
65	130	169	166	138	116
75	19	26	29	24	23
85	1	1	1	1	1
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	60	58	56	55	55	53	52
2	56	52	49	47	49	47	45
3	52	47	43	40	44	41	39
4	48	42	38	35	40	37	34
5	44	38	34	31	36	33	30
6	41	35	30	27	33	29	27
7	38	32	27	24	30	27	24
8	36	29	25	22	28	24	22
9	33	27	23	20	26	22	20
10	31	25	21	18	24	20	18

ITL TEST #59137 *LER=34.4 •AEC=\$6.97

* LER = Luminaire Efficiency Rating

$$\text{LER} = \frac{\text{Luminaire Effic.} \times \text{Total Lamp Lumens} \times \text{Ballast Factor}}{\text{Input Watts}}$$
• 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. Indoor use. 10°C (50°F) minimum start. Specify wattage, voltage and brand. Not available with Option -75, -CR or -HR.
- 43 Lower wattage. 4-pin 42/32/36W triple or 26W quad (multi-wattage/voltage). Specify wattage.
- 97 Specify other voltage. Consult factory.
- 98 347 volt, 50/60 Hz. input. Consult factory.

Emergency Ballast - Specify Voltage¹

Remote (field mounted) 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 -CR) -20° to 55°C (-4° to 131°F).

- 75 Remote 1-lamp EM ballast.
- CR Remote cold weather (-20° to 55°C) 1-lamp EM ballast. Specify voltage.
- HR¹ Remote higher lumen (up to 1250) 1-lamp EM ballast. 13-42W only.

Lenses and Trims

- 32 White oversize trim ring. Specify O.D.
- 45 Gasket between ceiling and trim flange.

- 46 Gasket between trim and lens.
- 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(s). 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