

CATALOG #	TYPE
JOB NAME	WATTAGE VOLTAGE

1' x 4' 2 T8 32 WATT MAXIMUM

VRT-12028

Maximum Security 1'x4' with Exceptional Efficiency

Specifications

Lamp

- Designed for two bi-pin fluorescent lamps:
32 watt bi-pin T8.

Ballast

- Installed electronic high power factor, thermally protected. RFI filter.
- 120-277 volt standard.
- Single circuit wiring or see Option -84.
- Internally fused. Also see Options -FS, -FD.

Reflector

- Full size die formed specular Alzak® aluminum.
- Removable for servicing.

Trim / Lens Assembly

- Prismatic 3/16" high strength acrylic above 1/4" clear polycarbonate.
- Continuous extruded 6063-T6 tempered aluminum, non-removable lens clamps; eight flush mounted center pin tamperproof screws with captive nuts.
- Tamperproof tool included.

Aluminum Housing

- Super strong 6063-T6 extruded and tempered.
- White polyester enamel finish.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Entire luminaire serviced through aperture.

Outlet Box

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

Installation

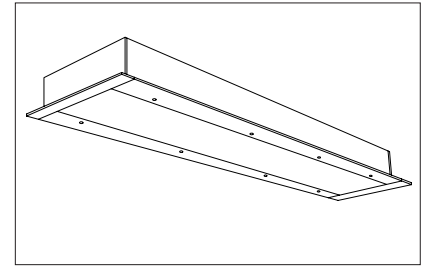
- Two die-formed 7/8" vertically adjustable 16 gauge steel mounting yokes supplied. NOT suitable for lay-in style ceilings. 7/8" diameter access hole.
- Recesses indoor or outdoor in covered locations.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Through-branch conductors (6 #12 AWG 90°C).

Three Year Limited Warranty

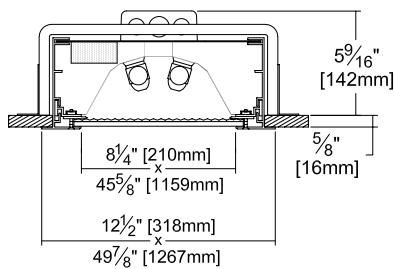
- Complete standard fixture and ballast.



**Exceptional
Energy
Efficiency**

Performance at a Glance

VRT-12028

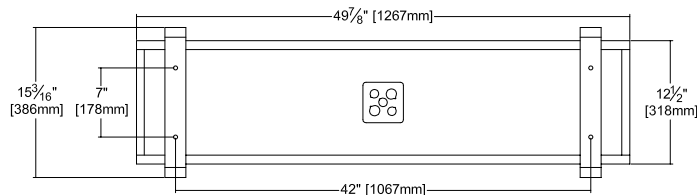


Cone of Light Key

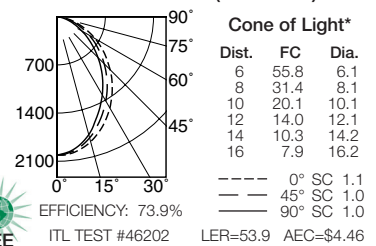
Ft. Distance from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

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

Ceiling Cut-out
12" x 48 7/8"



VRT-12028 (2 T8 32W)



THE KIRLIN COMPANY

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(313) 259-6400 • Fax: (313) 259-9409 OR (313) 259-3121 • www.kirlinlighting.com

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

MAXIMUM WATTAGE

2 T8 32

CATALOG NUMBER

VRT-12028

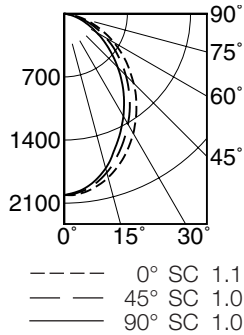
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Alzak® is a registered trademark of ALCOA.

Detailed Photometry - Installed Fixture

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

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EFFICIENCY : 73.9%

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2780	2780	2780	2780	2780
5	2775	2790	2775	2751	2751
15	2625	2652	2633	2578	2546
25	2341	2380	2329	2235	2183
35	1963	1998	1935	1833	1758
45	1576	1604	1537	1415	1340
55	1190	1222	1139	1013	938
65	788	808	741	635	575
75	378	410	347	300	252
85	79	95	71	63	47
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION							
RF	20						
RC	80				50		
RW	70	50	30	10	50	30	10
1	57	55	52	51	51	50	48
2	52	48	45	42	45	43	40
3	48	42	38	35	40	37	34
4	44	38	33	30	36	32	29
5	40	34	29	26	32	29	26
6	37	31	26	23	29	25	23
7	35	28	24	20	27	23	20
8	32	26	21	18	25	21	18
9	30	24	19	17	23	19	16
10	28	22	18	15	21	17	15

ITL TEST #46202 *LER=53.9 •AEC=\$4.46

* 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

- 84 Wired for two circuits. Also see -FD.
- 97 Specify other voltage. 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).

- 73 Internal 1-lamp EM ballast. Specify voltage.

Other

- 45 Gasket between trim and ceiling.
- 99 Special modification. Consult factory.
- FD Two additional in-line fuses. One per ballast. Use with Option -84.
- FS Additional in-line fuse.

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

SUBMITTAL DATA

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER

APPROVAL STAMP