LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — General illumination for rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic.** **Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION — Backplate: Heavy-duty, 16-gauge cold-rolled steel. Insulated with 1" thick fiberglass.

Gasket: Closed-cell neoprene to help seal out moisture and contaminants.

Finish: Post-painted after fabrication, in white polyester powder coat for high reflectance, durability and corrosion resistance.

OPTICS — Clear prismatic, UV-stabilized polycarbonate lens, nominal thickness .125" (1/8"). Prism optics provide uniformity with maximum spacing-to-mounting-height rations. Lens secured by stainless steel tamper-resistant Torx® T-20 or standard stainless steel slotted hex-head screws (one of each included).

ELECTRICAL — Ballast: Electromagnetic, normal power factor with a starting temperature of 0°F for 7W and 25°F for 9W.

Socket: Thermoplastic socket(s).

Lamp: 35K lamp(s) included unless L/LP (less lamp) is specified.

INSTALLATION — Keyhole slots simplify wall or ceiling installation. For maximum vandal resistance, mount unit to structure through four knockouts provided.

LISTINGS — UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient temperatures and wet locations for wall mount or in covered-ceiling applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

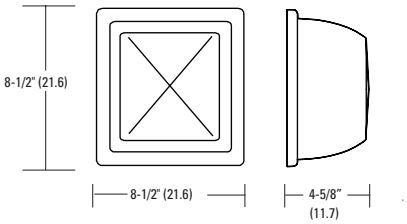
Note: Specifications subject to change without notice.

Rough Service Fixture

VR3

COMPACT FLUORESCENT
Ceiling/Wall Mount





All dimensions are inches (centimeters) unless otherwise noted.

ORDERING INFORMATION For shortest lead times, configure products using **standard options (shown in bold).** **Example:** VR3 2/9TT 120 GLR LPI

VR3				120		
Series	**Wattage**		**Lens**	**Voltage**	**Options**	**Lamp[3]**
VR3	7TT One 7W twin-tube lamp 2/7TT Two 7W twin-tube lamps 9TT One 9W twin-tube lamp 2/9TT Two 9W twin-tube lamps		(blank) Clear prismatic WP White polycarbonate	120	Shipped installed in fixture AL Aluminum backplate DS Dual switching EC Emergency circuit (incandescent - 25W max.; DC bayonet base)[1] GLR Internal fast-blow fusing GMF Internal slow-blow fusing IR Internal reflector NL Night light (incandescent - 6W max.; 656DC base)[1] 4S Four screws per unit CSA CSA Certified Shipped separately[2] EB3 Steel extension box EB3 PEB1 Steel extension box with photoelectric cell (120V) EB3 CO Steel extension box with convenience outlet EB3 TS1 Steel extension box with toggle switch FV3 Steel vertical external visor	LPI Lamp(s) included (standard) L/LP Less lamp(s)

Accessories: *Order as separate catalog number.*

RK1 T20BIT	Hex-base driver bit, Torx T20, for tamper-resistant screws with center reject pin
RK1 T20DRV	Torx T20 screwdriver for use with tamper-resistant screws with center reject pin

Notes:

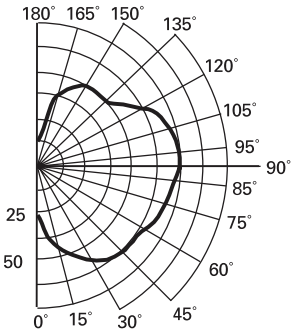
1 Maximum wattage lamp provided.
2 For aluminum extension box or visor, add **AL** (Ex: **EB3 AL**).
3 Lamp(s) included unless L/LP is specified.

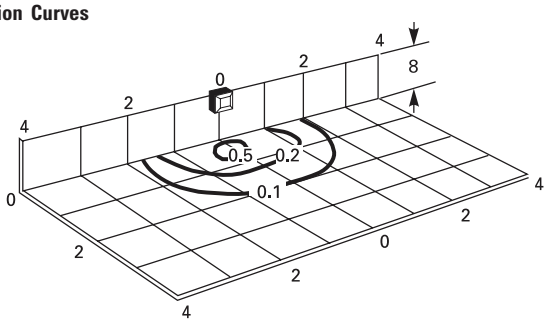
VR3 Rough Service Ceiling/Wall-Mounted Fixture, Compact Fluorescent

PHOTOMETRICS

VR3 9TT, 9W twin-tube fluorescent lamp, 600 rated lumens. Test number 80054-096.

Distribution Curves

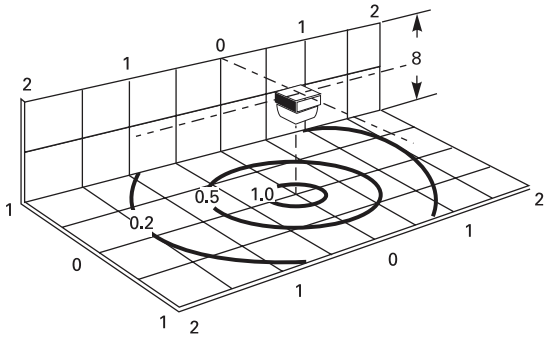




Output Data

Zone	Lumens	%lamp
0°-30°	28	4.7
0°-40°	52	8.6
0°-60°	114	19.0
0°-90°	221	36.9
90°-180°	199	33.2
0°-180°	420	70.1

Spacing-to-mounting height: 1.2



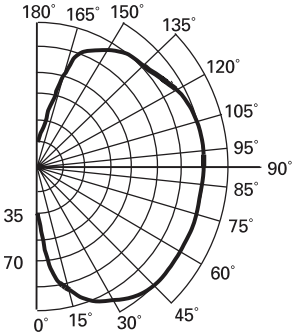
Distribution Data

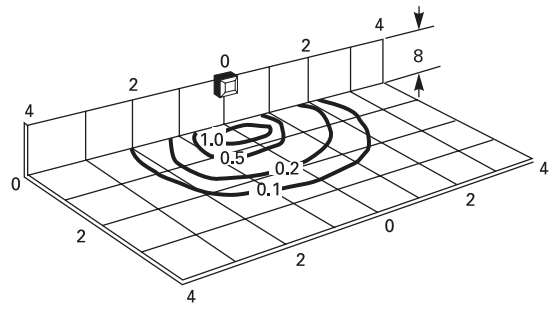
	0°	45°	90°
0°	71	71	71
5°	70	71	71
15°	68	70	70
25°	64	66	64
35°	58	60	56
45°	57	58	55
55°	54	56	53
65°	46	52	45
75°	35	42	34
85°	28	36	26
90°	26	34	23

Coefficient of Utilization

ρf	20%						
ρc	80%		50%		30%		
ρw	50%	30%	50%	30%	50%	30%	0%
1	65	62	55	53	49	47	38
2	56	51	47	43	42	39	30
3	48	42	41	36	37	33	25
4	43	36	36	31	32	29	21
5	37	31	32	27	29	24	17
6	34	27	28	24	26	21	15
7	30	23	26	20	23	19	12
8	27	21	23	18	21	17	11
9	25	19	21	16	19	15	9
10	22	17	19	15	17	13	8

VR3 2/9TT, (2) 9W twin-tube fluorescent lamps, 600 rated lumens. Test number 80055-097.

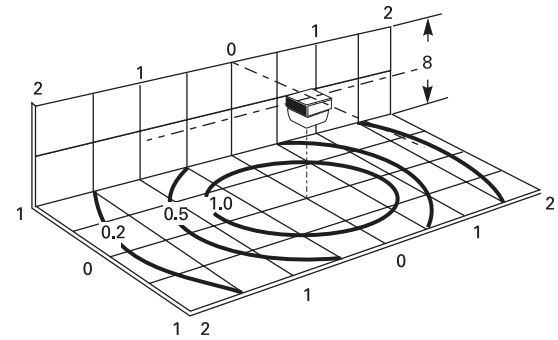




Output Data

Zone	Lumens	%lamp
0°-30°	53	4.4
0°-40°	100	8.4
0°-60°	223	18.6
0°-90°	429	35.7
90°-180°	362	30.3
0°-180°	791	66.0

Spacing-to-mounting height: 1.2



Distribution Data

	0°	45°	90°
0°	123	123	123
5°	124	124	123
15°	125	126	122
25°	119	124	116
35°	113	115	104
45°	112	112	102
55°	106	110	98
65°	89	99	83
75°	66	76	60
85°	48	59	42
90°	46	55	39

Coefficient of Utilization

ρf	20%						
ρc	80%		50%		30%		
ρw	50%	30%	50%	30%	50%	30%	0%
1	59	56	50	48	45	43	35
2	51	46	43	40	39	36	28
3	44	38	37	33	33	30	23
4	39	33	33	29	30	26	19
5	34	28	29	25	26	22	16
6	30	24	26	21	23	19	13
7	27	21	23	18	21	17	11
8	24	19	21	17	19	15	10
9	22	17	19	15	17	13	9
10	20	15	17	13	16	12	7

Mounting Height Correction Factor

To obtain the footcandle value for different mounting heights, multiply the footcandle value by the below correction factor.

MH	6′	10′	12′	14′
8′	1.78	0.64	0.44	0.33

Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.

LITHONIA LIGHTING®
An AcuityBrands Company

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