LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE

General illumination for rough service (vandal-resistant) applications. Ideal for applications that require minimum light capabilities for safety and security. **Certain airborne contaminants can diminish integrity of acrylic.** **Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION

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

Gasket: Closed-cell neoprene gasket seals out moisture and contaminants.

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

OPTICS

White opal, UV-stabilized, polycarbonate lens, nominal thickness .125" (1/8"), softens light across entire surface. Smooth exterior for easy cleaning. Lens secured by either stainless steel tamper-resistant Torx® T-20 or standard stainless steel slotted hex-head screws (two of each included).

ELECTRICAL

Ballast: Electromagnetic, normal power factor with a starting temperature of 0°F.

Socket: Thermoplastic socket.

Lamp: 35K lamp included unless specified L/LP.

INSTALLATION

Unit may be ceiling- or wall-mounted. Backplate mounts securely to outlet box with crossbar (included). For maximum vandal-resistance, mount unit to structure through four knockouts provided.

LISTINGS

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations for wall-mount or in covered-ceiling applications.

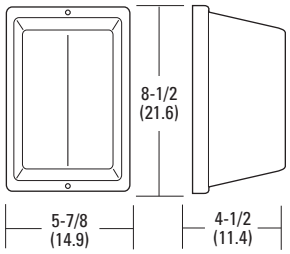
Note: Specifications subject to change without notice.

Rough Service Fixture

VR1

COMPACT FLUORESCENT

Ceiling/Wall-Mounted



All dimensions are shown in inches (centimeters) unless otherwise specified.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** VR1 7TT 120 GMF LPI

VR1	7TT		120		
Series	**Wattage**	**Lens type**	**Voltage**	**Options**	**Lamp[3]**
VR1	7TT One 7W twin-tube lamp	(blank) White opal HBE Horizontal black eyelid PBT Perimeter black trim VBE Vertical black eyelid	120	Shipping installed in fixture AL Aluminum backplate EC Emergency circuit (incandescent - 25W max - DC bayonet base)[1] GLR Internal fast-blow fusing GMF Internal slow-blow fusing IHR Internal horizontal reflector IR Internal reflector NL Night-light (incandescent - 6W max - 6S6DC base)[1] 4S Four screws per unit CSA CSA Certified Shipped separately EB1 U OS Steel extension box[2] EBC Cast aluminum extension box EBC PEB1 Cast aluminum extension box with photoelectric cell EB1 CO Steel extension box with convenience outlet[2] EB1 TS1 Steel extension box with toggle switch[2] FHV Steel horizontal external visor[2] FV1 Steel vertical external visor[2]	LPI Lamp included (standard) L/LP Less lamp

Accessories: *Order as separate catalog number.*

RK1 T20BIT	Hex-base driver bit, Torx TX20, for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for use with tamper-resistant screws with center reject pin.

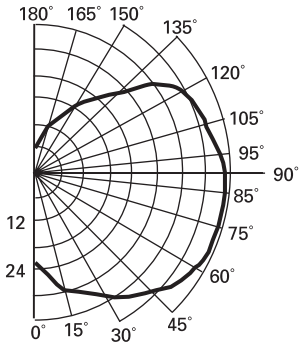
Notes

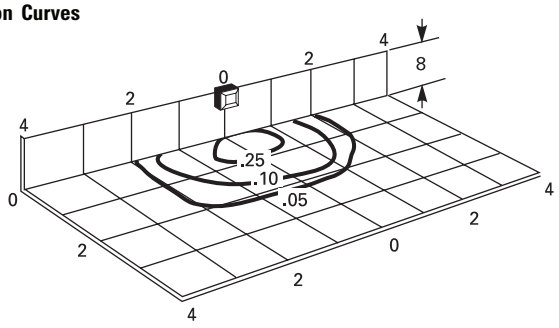
1 Maximum wattage lamp provided.
2 For aluminum extension box or visor, add AL (example: EB1 CO AL).
3 Lamp included unless specified L/LP.

VR1 Rough Service Wall/Ceiling-Mounted Fixture, Compact Fluorescent

VR1 7TT, 7W, Twin-tube fluorescent lamp, 400 rated lumens. Test number 80117-073.

Distribution Curves

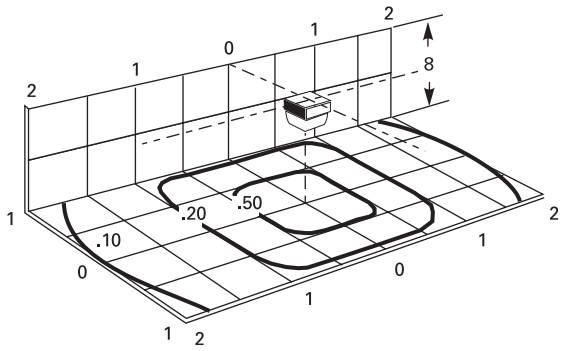




Output Data

Zone	Lumens	%lamp
0°-30°	19	4.5
0°-40°	35	8.6
0°-60°	81	20.3
0°-90°	169	42.4
90°-180°	141	35.2
0°-180°	310	77.7

Spacing-to-mounting height: 1.6



Distribution Data

	0°	45°	90°
0°	43	43	43
5°	44	44	43
15°	44	45	44
25°	44	46	46
35°	42	46	46
45°	40	45	44
55°	35	43	42
65°	30	39	38
75°	25	34	33
85°	20	29	29
90°	18	27	27

Coefficient of Utilization

ρf	20%						
ρc	80%		50%		30%		
ρw	50%	30%	50%	30%	50%	30%	0%
1	72	68	61	58	54	52	41
2	61	55	52	47	46	42	32
3	53	46	45	40	40	36	26
4	47	39	39	34	35	31	22
5	41	34	35	29	31	26	18
6	37	29	31	25	27	23	15
7	32	25	28	22	24	20	13
8	29	22	25	20	22	18	11
9	26	20	23	17	20	16	9
10	24	18	21	15	18	14	8

Mounting Height Correction Factor

To obtain the footcandle value for different mounting heights multiply the footcandle value by the above 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®
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