

PRODUCT INFORMATION

Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: One-piece, die-cast aluminum, low-copper alloy, finished in dark bronze polyester powder coat.

Optics

Lens: Clear prismatic

polycarbonate, UV-stabilized, nominal thickness .125". Lens secured by stainless steel tamper-resistant TORX® T-20 or standard stainless steel slotted hex-head screws (four each included). One-piece silicone perimeter gasket seals out moisture and contaminants.

Reflector: VR3C, VR4C: Horizontal reflector, ceiling-mount or wall-mount (with IR option). VR4CV: Vertical reflector, ceiling-mount only.

Electrical

Ballast: Fluorescent: Electronic, HPF multi-volt, starting temperature of 0°F. (7TT is electromagnetic, 120V only.) High pressure sodium: High-reactance, HPF (35S is NPF). 50 –150W MH ballast are

high-reactance, high power factor and are standard with pulse start ignitor technology (SCWA not required). 175W MH is constant wattage auto-transformer (CSA, NOM or INTL required for shipments outside the U.S.). Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant is required for 175W MH (SCWA option) U.S. shipments only.

Socket: Fluorescent: Horizontally mounted thermoplastic. HID: Medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated.

Lamps: 35K four-pin lamp(s) standard for compact fluorescent. MH: Reduced-UV lamp is

standard. Included unless L/LP is specified. Ceramic metal halide lamps are recommended for use in application where superior color rendition, lumen maintenance and longer lamp life are desired.

Installation

Three 1/2" threaded plugs for conduit entry or mount over outlet box. Four mounting holes for maximum vandal resistance.

Listings

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

**VR3C
VR4C
VR4CV**



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VR3C 2/26TRT MVOLT LPI

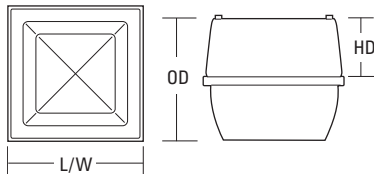
Series	Lamp type ¹					Lens	Voltage	Ballast configuration
VR3C	<u>Twin-tube</u> ²	18DTT	2/32TRT	150S	Ceramic metal halide	(blank) Clear prismatic	120	(blank) Standard configuration
VR4C	2/7TT	2/18DTT	42TRT	<u>Metal halide</u>	WP	White polycarbonate	208 ⁵	2/1 Two 1-lamp ballasts ⁷
VR4CV	2/9TT	26DTT	2/42TRT	50M ^{3,4}			240 ⁵	
	13TT	2/26DTT	<u>High pressure sodium</u>	70M³			277	
	2/13TT	<u>Triple-tube</u>	35S ²	100M			347	
	<u>Double twin-tube</u>	26TRT	50S	150M³			480 ⁵	
	13DTT	2/26TRT	70S	175M			TB^{5,6}	
	2/13DTT	32TRT	100S				MVOLT^{7,8}	
Ballast		Options ¹²				Lamped ¹⁷		
(blank)	Standard ballast	SF	Single fuse (120, 277, 347V) ^{5,9}		IR	Internal reflector ¹⁵		
ADEZ	Advance® Mark X® electronic dimming ballast ^{7,9,10}	DF	Double fuse (208, 240, 480V) ^{5,9}		GLR	Internal fast-blow fusing ^{7,9}		
DMHL	LUTRON® Hi-lume® electronic dimming ballast ^{7,9,10,11}	DS	Dual switching ^{7,13}		GMF	Internal slow-blow fusing ^{7,9}		
	<u>Pulse start metal halide</u>	QRS	Quartz restrike system ^{3,5,14}		CSA	Meets Canadian standards		
	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	EC	Emergency circuit (incandescent, 25W max) ¹⁴		NOM	Meets Mexican standards ^{5,16}		
SCWA	Super CWA pulse start ballast ⁵	NL	Night light (incandescent, 7W max) ^{2,14}		INTL	Available for MH probe start shipping outside the U.S.		
		PE	Photoelectric cell (button type) ⁹					
							LPI Lamp(s) included (standard)	
							L/LP Less lamp(s)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
SERIES	LAMP TYPE
VR3C	2/7TT, 2/9TT, 13DTT, 2/13DTT, 18DTT, 2/18DTT, 26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 42TRT, 35S, 50S, 70S, 100S, 50M, 70M, 50MHC, 70MHC, 100MHC
VR4C	2/7TT, 2/9TT, 13TT, 2/13TT, 13DTT, 2/13DTT, 18DTT, 2/18DTT, 26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 42TRT, 2/42TRT, 35S, 50S, 70S, 100S, 50M, 70M, 100M, 50MHC, 70MHC, 100MHC
VR4CV	35S, 50S, 70S, 100S, 150S, 50M, 70M, 100M, 150M, 175M, 50MHC, 70MHC, 100MHC, 150MHC

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	VR3C	VR4C/VR4CV
Length/Width:	8-3/4 (22.2)	12 (30.5)
Overall depth:	8 (20.3)	9-1/2 (24.1)
Housing depth:	3-3/4 (9.5)	4 (10.2)

ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Notes

- See Configurations table for lamp compatibility.
- 120V only.
- Not available in 480V.
- Not available with 120V
- Available for HID units only.
- Multi-tap ballast. US: 120V, 208V, 240V, 277V. Canada: 120V/347V.
- Available for compact fluorescent units only.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- Must specify voltage. Not available with MVOLT or TB.
- Available with 26DTT and all single TRT lamps; excludes 42TRT.
- Available with 2/26TRT - VR4C only.
- For other options and accessories, see Accessories table and pages 148-149.
- Cannot be ordered with EC or PE option.
- Maximum wattage lamp provided.
- HID wall-mounted units require IR option.
- Consult factory for availability.
- Lamp(s) included unless L/LP is specified.

VR4C VR4CV

Induction Lighting System



Intended Use

For areas that require higher levels of illumination and where maintenance is an issue (tunnels, airports, public facilities, freezers). Provides extreme long life for rough service and special environment applications. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: One-piece, die-cast aluminum, low-copper alloy, finished in white polyester powder coat. Closed-cell neoprene gasket seals against mounting surface for L/JB option. Provided

with mounting brackets for four-point mounting. Weatherproof junction box and cover provided as standard for surface conduit wiring.

Optics

Lens: Clear prismatic polycarbonate, UV-stabilized, nominal thickness .125". Lens secured by standard stainless steel slotted hex-head screws (four each included). One-piece silicone perimeter gasket seals out moisture and contaminants.

Reflector: Horizontal reflector used with VR4C ICETRON™ system; vertical reflector used with VR4CV QL system.

Electrical

Lamps: Discharge vessel included and installed.

ICETRON™ lamp is 35K; QL lamp is 30K.

High-frequency generator/ballast: Supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life. The current travels through coils on the lamp (in the ICETRON™ system) or through coils on the Power Coupler (in the QL system) to create the magnetic (inductive) field. Suitable for ambient temperatures ranging from -40°C to 25°C.

Discharge vessel/lamp: Glass bulb that contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the lamp is coated with a fluorescent

powder that produces light at 3000K (QL system) or 3500K (ICETRON™ system) and an 80+ CRI.

Installation

Ceiling or wall mount. Mounting brackets and junction box allow fixture to be installed without ever opening. For outlet box installation, see L/JB option. Wire leads will be routed out the rear conduit opening.

Listings

UL Listed to US and Canadian safety standards (see Options). UL Listed for 25°C ambient and wet locations.

ICETRON™ system: Five-year warranty.

Induction system: Seven-year warranty.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: VR4CV 85IL TVOLT LPI

Series	Lamp type ¹	Voltage ¹	Options ⁵	Lamped ⁸
VR4C 12" x 12"	70IL 70W ICETRON induction lighting system ²	MVOLT ³	EC Emergency circuit (Incandescent, 25W max) ⁶	LPI Lamp included (std.)
VR4CV 12" x 12"	100IL 100W ICETRON induction lighting system ²	120	L/JB Less junction box	
	55IL 55W QL induction lighting system	277	PE Photoelectric cell (button type) ⁷	
	85IL 85W QL induction lighting system	TVOLT ⁴	TRS Tamper-resistant screws	
			CSA Meets Canadian standards	

ADDITIONAL INFORMATION

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CONFIGURATIONS

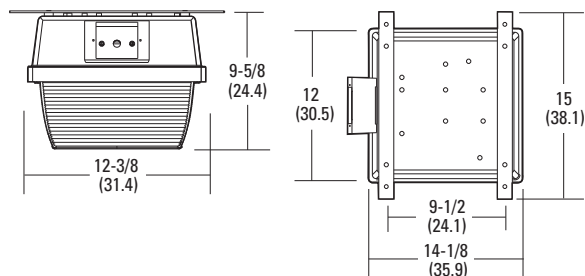
SERIES	LAMP TYPE	VOLTAGE
VR4C	70IL	120V, 277V, MVOLT
VR4C	100IL	120V, 277V, MVOLT
VR4CV	55IL	120V, 277V, TVOLT
VR4CV	85IL	120V, 277V, TVOLT

ACCESSORIES

ORDER SEPARATELY

RK1 T20BIT	TORX® TX20 hex-base driver bit for TRS option
RK1 T20DRV	TORX® TX20 screwdriver for TRS option

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- ICETRON™ is a trademark of OSRAM® SYLVANIA™.
- Multi-volt electronic ballast capable of operating on any line voltage between 120V and 277V.
- Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp included.
- Must specify voltage. Not available with MVOLT or TVOLT.
- Lamp included and installed.