

FEATURES & SPECIFICATIONS

INTENDED USE — HID deep die-cast aluminum ceiling mounted luminaire provides general illumination for rough service (vandal resistant) applications. Ideal for under canopies and parking garage applications. **Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)**

Designed for ceiling mount, high wattage HID units for vertical lamp orientation. Uses reduced-UV lamps to help eliminate lens yellowing.

CONSTRUCTION — Housing - One-piece die-cast aluminum, low copper alloy with integral gasket channel and three threaded conduit entries. Can be mounted directly over the outlet box.

Gasket - One-piece, closed-cell neoprene pad gasket helps seal against dust and moisture. One-piece silicone "O" ring gasket forms continuous seal between lens and housing.

Finish: Post-painted after fabrication in dark bronze polyester powder coat. Additional colors available.

OPTICS — Clear prismatic, injection-molded, UV stabilized polycarbonate lens, .125" thickness provides low-brightness uniformity with maximum spacing-to-mounting height ratios. Lens is secured to housing by stainless steel tamper-resistant Torx® T-20 or standard stainless steel slotted hex-head screws (four of each included).

Reflector Assembly - Post-painted, high gloss white powder coat for maximum light output. Conical reflector provides uniform illumination, symmetric distribution.

ELECTRICAL — Ballast - High Power Factor HID ballast. Metal halide 150W and below are standard with pulse start technology (SCWA not required). Mounted directly to housing for maximum heat dissipation and longer life. 100% factory tested.

Socket: Porcelain, medium-base, vertically-oriented socket with copper alloy nickel-plated screw shell and center contact.

Lamp: Reduced UV lamp standard for metal halide units (except 175M probe start) and recommended for replacements. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer life are desired. Lamp included unless specified L/LP.

INSTALLATION — Unit may be ceiling mounted only. For maximum vandal resistance, mount unit to structure through four mounting holes provided.

LISTINGS — UL Listed for -40°C - 25°C ambient temperatures and wet locations in covered ceiling applications. Listed and labeled to comply with Canadian and Mexican Standards (see Options).

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.

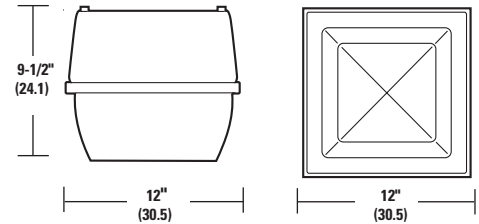
Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

Rough Service Fixture

VR4CV

HID
Ceiling Mounted



Specifications


Height: 12" (30.5)
Width: 12" (30.5)
Depth: 9-1/2" (24.1)

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: VR4CV 150M 120 QRS LPI

Series	Wattage	Lens	Voltage	Ballast	Options	Lamp ¹¹
VR4CV	High pressure sodium Ceramic metal halide ⁴	(blank) Clear prismatic	120	(blank) Magnetic ballast ⁷	Shipping installed in fixture	LPI Lamp included (standard)
	35S ¹ 50MHC ²	WP White polycarbonate	208		SF Single fuse (120, 277, 347) ⁸	L/LP Less lamp
	50S 70MHC ²		240	SCWA Super CWA pulse start ballast	DF Double fuse (208, 240, 480) ^{7,8}	
	70S 100MHC		277	Note: For shipments to U.S. Territories SCWA must be specified to comply with EISA	EC Emergency circuit (incandescent - 25W max - DC bayonet base) ^{1,9}	
	100S 150MHC ²		347		NL Night-light (incandescent - 6W max - 6S6DC base) ^{1,8}	
	150S Metal halide Title 20 ⁵		TB ⁶		PE Photoelectric cell ⁷	
	50M ^{2,3} 70M ²				QRS Quartz restrike system ^{1,2}	
	70M ² 100M				CSA CSA certified	
	100M 150M ²				NOM NOM certified ¹⁰	
	150M ² 175M				INTL Available for MH probe start shipping outside the U.S.	
	50MHC ² 70MHC ² 100MHC 150MHC ²					

Notes

- 120V only.
- Not available in 480V.
- Not available in 120V.
- Ceramic are tube consistent-color lamp.
- These wattages comply with California Title 20.
- Multi-tap ballast (120V, 208V, 240V, 277V). Canada: 120V/347V.
- CSA, NOM or INTL required. Must be shipping outside U.S. or U.S. territories.
- Must specify voltage. Not available with TB.
- Maximum wattage lamp provided.
- Consult factory for availability.
- Lamp included unless specified L/LP.

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.

VR4C Rough Service Ceiling-Mounted Fixture, HID

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedures. Floor reflectances are 20%. Lamp configuration shown is typical. Full photometric data available upon request.

VR4CV 150M BU-Only/Med lamp Test No. LTL 8079P

COEFFICIENT OF UTILIZATION								
r ^f	r ^c	r ^w	80%					
			70%	50%	30%	10%	50%	30%
0	77	77	77	77	68	68	68	56
1	66	61	56	52	53	50	47	37
2	58	50	44	39	44	39	35	28
3	52	43	36	31	37	32	28	22
4	47	37	30	25	32	27	22	17
5	43	33	26	21	28	23	19	14
6	39	29	22	17	25	20	16	12
7	36	26	20	15	23	18	14	10
8	34	24	17	13	21	16	12	9
9	31	21	16	12	19	14	11	8
10	29	20	14	10	17	13	9	7

ZONAL LUMENS SUMMARY		
Zone	Lumens	% lamp
0°-30°	1147	8.0
0°-40°	1870	13.0
0°-60°	4060	28.2
0°-90°	8078	56.1
90°-180°	1590	11.0
0°-180°	9669	*67.1

*Fixture efficiency