



Vantage[®] VA / VH / VK

The Vantage series of luminaires are designed to meet the needs of food processing plants and other areas requiring a hose-down luminaire. The smooth, sloped exterior sheds water and prevents contaminants from adhering to the exterior. The luminaire is designed to prevent hose spray water from entering the luminaire up to 3500 psi from four feet away.

The combination acrylic reflector/refractor provides enough uplight to create a uniformly illuminated environment while still providing adequate light levels on the task. Available in MH and HPS as well as with regular and low loss ballasts.



Vantage VA

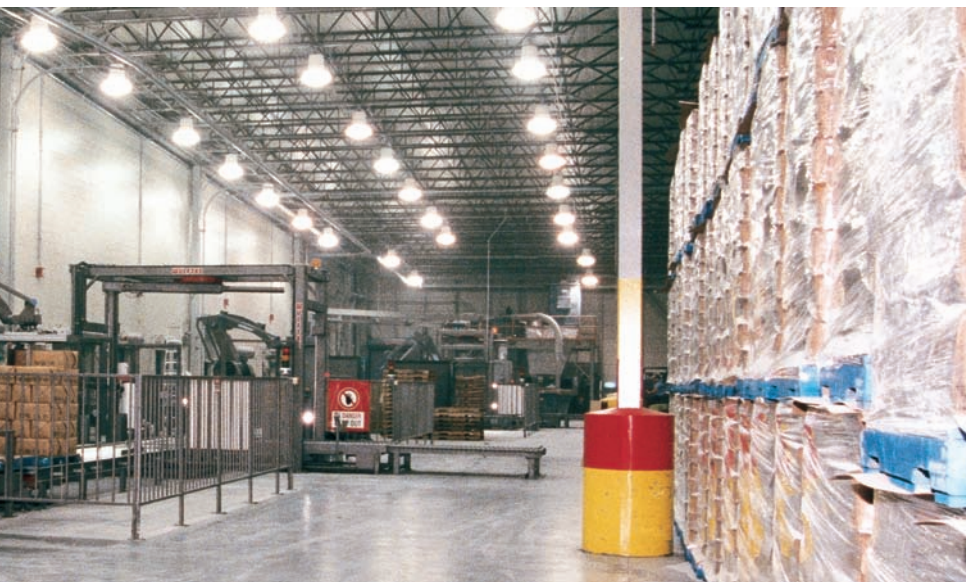


Vantage VH



Vantage VK

Vantage® Series



Typical Applications

- Food Handling Areas
- Food Processing
- Poultry Plants
- Meat Processing
- Pharmaceuticals
- Chemical Facilities
- Beverage Processing
- Clean Room
- Warehouse Areas

Features

- Unique high temperature acrylic refractor/reflector
- Two distinct distributions to satisfy application requirements
- Access door for easy relamping

Lamp Types

- 250 - 400 watt metal halide
- 250 - 400 watt high pressure sodium

Approvals

- UL/CUL listed suitable for wet locations
- NSF International C-2 for splash zones

Washdown Areas

The Vantage Series is designed with a smooth rounded ballast housing, which contains no ledges, latches or fins to collect contaminants. The perfectly smooth exterior is sloped to easily shed water and cleaning agents when the fixture is hosed down making this luminaire ideal for washdown areas. The lamp access door is sealed with a gasket to eliminate water entry, but is easily removed to change the lamp. Cord assemblies are also provided with watertight plugs.

Food Processing Facilities

There are two optic designs to meet Food Processing lighting requirements. The acrylic version provides 10-15% uplight to illuminate ceiling cavities and increase vertical illuminance. The white polyester powder coated aluminum reflector version directs 97% light down for applications where maximum horizontal illumination is required. Two distinct light distributions are available. The wide distribution provides excellent balance for both vertical and horizontal tasks. The narrow distribution directs more useful light on the task limiting light obstructions.

Chemical Facilities

Mounting versatility is paramount in chemical facilities. Holophane includes pendant or an optional hook. The optional gasketed and galvanized watertight hook seals out water and prevents corrosion. A high temperature silicone gasket between the ballast housing and the optics as well as on the relamping door assures internal integrity in the harshest environments. The ballast housing is manufactured from low copper aluminum and coated with a polyester powder paint finish to prevent corrosion.



Product Features



1 Smooth exterior finish: No ledges, fins, or latches - easily cleaned - corrosion resistant polyester powder paint finish - no external labels.

2 Removable ballast tray: Easy installation and maintenance of electrical components.

3 High temperature acrylic reflector: Contributing uplight - sheds water and is easily cleaned.

4 Flangeless transition with permanent bonding: No entrapment of contaminants.

5 Relamp door: Gasketed - easy access for lamp removal. Screw and strap are captive to door.

6 Aluminum reflector: Minimal uplight - sheds water - easily cleaned.

7 Sloped flange transition to refractor: Mechanically bonded and sealed with RTV silicone - no contaminant entrapment.

The Vantage Series is covered by the following patents:

Vantage:

United States – 5,434,765

Canadian – 2,143,372

U.S. Design Patent – D354,580

Certificate of Registration – 98767

Vantage VK:

United States – 6,612,718

US Design Patent – D467,676

Canadian Industrial Design

Specifications

Complete luminaire fixtures shall be Holophane Vantage catalog number _____.

Mechanical

The heavy duty housing shall be cast of low copper aluminum, and shall be further protected from corrosion by a seven stage zinc phosphate pretreatment followed by an electrostatically applied white polyester powder paint, thermally cured to meet ASTM standards for hardness, humidity, impact and salt spray resistance to prevent fading, cracking and other corrosion related deterioration. ER version must be labeled on the exterior surface.

Electrical

Connections to the primary circuit leads shall be made through a single, plug-in electrical connector mounted on the internal wiring cover. The fixture shall provide a wiring chamber suitable for 90°C rated supply wiring conductors.

VA, VH Optical

Luminaire shall include an optical assembly composed of an internal aluminum reflector, and a high temperature acrylic reflector/ refractor containing a relamping door. The reflector and refractor shall be permanently joined together. The optical assembly shall provide a controlled uplight component and a choice of two distributions.

The relamp door shall be gasketed and attached by an internal steel strap and exposed stainless steel hex head screw. Optical assembly shall attach to the electrical assembly through four key hole slots located in the internal aluminum reflector.

When the gasketed optical assembly is properly installed, lamp inserted and relamp access door secured, the com-

plete fixture may be cleaned under high pressure hose down conditions with a 15° angle spray nozzle (tungsten 1510) with 9.35 gpm at 3500 psi from a distance of 4 feet without leakage.

VK Optical

Luminaire shall include an optical assembly composed of an aluminum reflector, and a high temperature acrylic refractor and lamp access door. The reflector and patent pending refractor shall be permanently sealed together without creating a horizontal ledge. The optical assembly shall provide a maximum of 3% controlled uplight component and a choice of two distributions.

The relamp door shall be gasketed and attached by an internal steel strap and exposed stainless steel hex head screw.

Optical assembly shall attach to the electrical assembly through four key hole slots located in the internal aluminum reflector.

When the gasketed optical assembly is properly installed, lamp inserted and relamp access door secured, the complete fixture may be washed under high pressure hose down conditions.

Listings

The luminaire shall be UL/CUL listed for 40°C (250MH, 25LMH, 250PM, 25LPM are 55°C) ambient temperatures and "Suitable for Wet Locations" UL-1598.

The "VH" fixture shall be UL-844 listed as suitable for Class II, Div 2; Groups F & G environments.

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart (HL-2445) for suitable uses.



Hose down capability

The Vantage fixture has been tested under high pressure hose down conditions with a 15° fan angle spray nozzle (1510) with 9.35 gpm at 3500 psi from a distance of four feet without leakage.

Ordering Information

How to Construct a Catalog Number

Example:

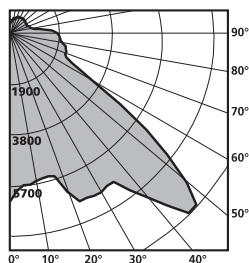
VA	400MH	12	N	CA	LAMP
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	OPTICS	OPTIONS	ACCESSORIES
VA VH VK	250HP 250MH 250PM 25LHP 25LMH 25LPM 320PM 350PM 35LPM 400HP 400MH 400PM 40LHP 40LMH 40LPM	08 12 20 24 27 34 40 48 MA MB MC MD MT VT	N W	CA CDPW-L5-15-X CDPW-L6-15-X CDPW-L7-15-X CDW-X EM ER F1 F2 PS PF-291 S	B721DOORHID-A LAMP CDCW-L5-15-3 CDCW-L6-15-3 CDCW-L7-15-3



Distributions

Mounting heights are 25'

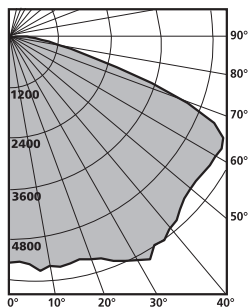
VA (uplight)



VA400MH00W
Vantage VA

Lamp: 400W Clear SMH
Lumens: 40000
Watts: 400
Spacing Criteria: 1.9
Luminaire Efficiency: 97.4%

VK (downlight)



VK400MH00W
Vantage VK

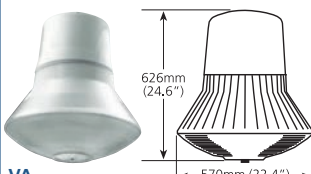
Lamp: 400W Clear MH
Lumens: 36000
Watts: 400
Spacing Criteria: 1.7
Luminaire Efficiency: 78.6%

Catalog Number Information

STEP 1: LUMINAIRE

VA¹ Vantage
VH¹ Vantage, hazardous
VK¹ Vantage, downlight

¹ Standard color is white, CUL listed.
Rated 40°C damp/wet location



VA

Maximum Weight: 22 kg (60 lbs.)



VH

Maximum Weight: 22 kg (60 lbs.)



VK

Maximum Weight: 16 kg (35 lbs.)

STEP 2: SOURCE AND WATTAGE

HIGH PRESSURE SODIUM

250HP¹ 250W HPS
400HP¹ 400W HPS

Energy Saving

25LHP^{1,2} 250W HPS
40LHP^{1,2} 400W HPS

METAL HALIDE

250MH³ 250W MH, MV
400MH 400W MH, MV

Energy Saving

25LMH^{2,3} 250W MH, MV
40LMH² 400W MH

PULSE START METAL HALIDE

250PM³ 250W MH
320PM 320W MH
350PM 350W MH
400PM² 400W MH

Energy Saving

25LPM³ 250W MH
35LPM 350W MH
40LPM² 400W MH

¹ Not available with "VK"
² Not available with "VT"
³ 55°C ambient for "VK"

STEP 3: VOLTAGE

08^{1,2} 208V
40^{1,2} 240V
12 120V
20 208V
24 240V
27 277V
34² 347V
48 480V

Multi-voltage

MA Prewired for 120V
MB Prewired for 208V
MC Prewired for 240V
MD Prewired for 277V
MT Multi-voltage
VT³ Vari-tap

¹ Must be handled through TSG
² Not available with "VH"
³ "CDP", "CDW", and fusing must be handled through TSG

STEP 4: OPTICS

N¹ Narrow distribution
W Wide distribution

¹ Not available with 400MH, 40LMH, 350PM, 35LPM, 400PM, and 40LPM on "VA" and "VH"

STEP 5: OPTIONS

Factory installed

CA¹ Anodized finish for housing

Cord and Daniel Woodhead

Watertite plug for wet locations

CDPW-L5-15-X^{3,4,5} 120V, PF included.
CDPW-L6-15-X^{3,4,5} 208/240V, PF included.
CDPW-L7-15-X^{3,4,5} 277V, PF included.

CDW-X^{3,4,5} Cord and hook.

EM^{2,4} Standby lighting fixture

ER^{2,4} Emergency lighting fixture

F1⁵ Single fuse assembly

F2⁵ Double fuse assembly

PS HPS protected starter

PF-291 Universal gasketed hook assembly

S Single pack for electrical only

See page 163-168 for definitions

¹ Not available with "VK"
² All units 40°C ambient
³ Included PF-291, X = length of cord in feet, 6 ft. is standard
⁴ Not available with VH
⁵ Not available with "MT"

STEP 6: ACCESSORIES

Ships separately

B721DOORHID-A

LAMP Optical door assembly
Appropriate HID lamp

Cord and Daniel Woodhead

Watertite plug for wet locations

CDCW-L5-15-3^{1,2} 120V
CDCW-L6-15-3^{1,2} 208/240V
CDCW-L7-15-3^{1,2} 277V

See page 163-168 for definitions

¹ For length longer than 3' handle through TSG.
VT available with "CDW" or "CDCW"
² Not available with "VH"

Contact your local sales rep for the most current option and accessory compatibility.