

# 1L Incandescent Luminaires

Cl. I, Div. 2, Groups A, B, C, D  
Weather Resistant

## Enclosed and Gasketed General Information

### Application:

Incandescent luminaires are used:

- indoors or outdoors in industrial locations
- in tunnels, building entrances or similar locations, where moisture, dirt, chemicals, vibration or rough usage are a problem
- either mounted directly in the conduit system or attached to cast outlet boxes, by means of pendant, ceiling, wall bracket or stanchion mountings

### Features:

- Enclosed and gasketed luminaires that accept incandescent lamps
- Gaskets and glass globes help prevent dirt, water and corrosive atmosphere from entering the conduit system and corroding the interior parts

### Standard Materials:

- Luminaires-bodies, boxes and guards – copper-free aluminum or *Feraloy*® iron alloy
- Globes – heat-resistant glass or polycarbonate
- Reflectors – Krydon® fiberglass-reinforced polyester

### Standard Finishes:

- *Vaporgard*™ – copper-free aluminum-epoxy powder coat
- V SERIES, – *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint
- *Krydon* material – luminaires: gray; reflectors: high reflectance white

### Size Ranges:

- Include up to 300 watt, PS-30 lamp
- ½" to 1¼" hubs

### Certifications and Compliances:

- Weather resistant, NEMA 3, 3R
- NEC/CEC: Class I, Division 2
- UL Standard: 1598
- CSA Standard: C22.2

### Table 500-3(d) Identification Numbers.

Maximum Temperature		Identification Number
Deg. C	Deg. F	
450	842	T1
300	572	T2
280	536	T2A
260	500	T2B
230	446	T2C
215	419	T2D
200	392	T3
180	356	T3A
165	329	T3B
160	320	T3C
135	275	T4
120	248	T4A
100	212	T5
85	185	T6

## Application:

Vaporgard series incandescent luminaires are used:

- indoors or outdoors in industrial locations where enclosed and gasketed fixtures are required
- in tunnels, building entrances and similar locations, where moisture, dirt, chemicals, vibration or rough usage are a problem
- for flush or surface mounting on ceiling or wall; pendant or in conduit systems; with or without a cast outlet box

## Features:

- Designed to exclude dirt, moisture and corrosive vapors from the interior of the luminaires and the conduit system
- There are no screws to remove as the shock-absorbing socket strap is keyhole slotted and removes quickly for ease of wiring
- The glass globe-guard assembly is installed and/or removed as a unit, making it necessary to handle only one piece in relamping
- There are no crevices to accumulate a dirt or dust buildup and fixture has an attractive finish with a smooth, dust and dirt shedding design
- Configured glass globe has vertical fluting and stippled bottom which provides for more even light distribution and glare elimination
- For non-hazardous locations, shatterproof plastic polycarbonate globes are available for use with the 200 watt series.
- Reversible offset socket mounting strap permits use of various size lamps while holding light center in same position for maximum light output and efficiency
- Shock absorbing medium base lamp socket

Krydon® fiberglass-reinforced polyester reflectors

- Reflectance is equivalent to the finest porcelain enamel
- Cannot corrode – no enamel to chip and rust
- Ultraviolet inhibitors are incorporated in the material to prevent discoloration and brittleness

## Standard Materials:

- Bodies and guards – copper-free aluminum
- Globes
  - heat and impact resistant tempered glass
  - colored glass nontempered (G55, G56, G57, G58)
  - plastic polycarbonate (G63, G65, G67)
- Reflectors – Krydon® fiberglass-reinforced polyester

## Standard Finishes:

- Bodies and guards – epoxy powder coat
- Krydon material – high reflectance white

## Options:

The following options are available from the factory by adding suffix to fixture Cat. No.:

Description	Suffix to be Added to Cat. No.:
• Teflon coating on globe for increased shatter protection (G24 globe 200 watt series only)	S808
• 250V nameplate for export applications	/250
• Plastic polycarbonate globe	See page 696

## Ratings (Electrical/Size):

- Up to 300 watt, PS-30 medium base lamp
- 1/2" to 1-1/4" hubs
- 120V nameplate is standard – for NEC compliance
- 250V nameplate is optional. Supplied when ordered with suffix: /250

## Certifications and Compliances:

- Wet locations
- NEC/CEC: Class I, Division 2
- UL Standard: 1598
- CSA Standard: C22.2 No. 9
- UL/CSA Fixture Fitting



## Class I, Division 2 Temperature Performance Data: (Based on 40° C ambient)

Lamp Watts	T-Number	Supply Wire °C
150	T2A	150°C
200	T2B	200°C
300	T2B	150°C

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**VAPORGARD™ Incandescent  
Luminaires**

Cl. I, Div. 2, Groups A,B,C,D  
Wet Locations  
NEMA 3,3R



**Enclosed and Gasketed**

**Pendant Mount -  
VDA Series**



Hub Size	Series	Max Lamp Size	Complete Cat.# with globe/guard
1/2"	150	150 watt	VDA15GP✓
3/4"	150	A-21	VDA25GP✓
1"	150		VDA35GP✓
1/2"	200	200 watt	VDA12GP✓
3/4"	200	A-23	VDA22GP✓
1"	200		VDA32GP✓
1/2"	300	300 watt	VDA13GP✓
3/4"	300	PS-25 & PS-30	VDA23GP✓
1"	300		VDA33GP✓

**Luminaire Components  
Catalog Nos.**

Pendant Body	Globe	Guard
VDA15✓	G54✓	P50✓
VDA25✓	G54✓	P50✓
VDA35✓	G54✓	P50✓
VDA12✓	G24✓	P21✓
VDA22✓	G24✓	P21✓
VDA32✓	G24✓	P21✓
VDA13✓	G34/G251✓	P22✓
VDA23✓	G34/G251✓	P22✓
VDA33✓	G34/G251✓	P22✓

**Thru-Feed -  
VDC Series**



Hub Size	Series	Max Lamp Size	Complete Cat.# with globe/guard
1/2"	150	150 watt	VDC15GP✓
3/4"	150	A-21	VDC25GP✓
1/2"	200	200 watt	VDC12GP✓
3/4"	200	A-23	VDC22GP✓
1/2"	300	300 watt	VDC13GP✓
3/4"	300	PS-25 & PS-30	VDC23GP✓

Thru Feed Body	Globe	Guard
VDC15✓	G54✓	P50✓
VDC25✓	G54✓	P50✓
VDC12✓	G24✓	P21✓
VDC22✓	G24✓	P21✓
VDC13✓	G34/G251✓	P22✓
VDC23✓	G34/G251✓	P22✓

**Ceiling Mount for  
Recessed 4" Round  
Box - VXH Series**



Hub Size	Series	Max Lamp Size	Complete Cat.# with globe/guard
1/2"	150	150 watt A-21	VXH15GP✓
1/2"	200	200 watt A-23	VXH12GP✓
1/2"	300	300 watt PS-25 & PS-30	VXH13GP✓

Lamp Socket Body	Globe	Guard
VXH15✓	G54✓	P50✓
VXH12✓	G24✓	P21✓
VXH13✓	G34/G251✓	P22✓

**Ceiling Mount with  
Junction Box -  
VXHF Series**



Hub Size	Series	Max Lamp Size	Complete Cat.# with globe/guard
1/2"	150	150 watt	VXHF15GP✓
3/4"	150	A-21	VXHF25GP✓
1/2"	200	200 watt	VXHF12GP✓
3/4"	200	A-23	VXHF22GP✓
1/2"	300	300 watt	VXHF23GP✓
3/4"	300	PS-25 & PS-30	VXHF23GP✓

Lamp Socket Body	Globe	Guard	Junction Box
VXH15✓	G54✓	P50✓	VXF10✓
VXH15✓	G54✓	P50✓	VXF20✓
VXH12✓	G24✓	P21✓	VXF10✓
VXH12✓	G24✓	P21✓	VXF20✓
VXH13✓	G54/G251✓	P22✓	VXF20✓
VXH13✓	G34/G251✓	P22✓	VXF20✓

✓ - available with Lightning Service™  
See Section G for complete details

Incandescent  
Fixtures



# VAPORGARD™ Incandescent Luminaires

Enclosed and Gasketed

Cl. I, Div. 2, Groups A,B,C,D  
Wet Locations  
NEMA 3,3R

1L



## Wall Mount - VXHT Series



Hub Size	Series	Max Lamp Size	Complete Cat. # with globe/guard
1/2"	150	150 watt	VXHT15GP✓
3/4"	150	A-21	VXHT25GP✓
1/2"	200	200 watt	VXHT12GP✓
3/4"	200	A-23	VXHT22GP✓
1/2"	300	300 watt	VXHT13GP✓
3/4"	300	PS-25 & PS-30	VXHT23GP✓

## Luminaire Components Catalog Nos.

Wall Bracket Mounting Module	Body	Globe	Guard
VXT10✓	VXH15✓	G54✓	P50✓
VXT20✓	VXH15✓	G54✓	P50✓
VXT10✓	VXH12✓	G24✓	P21✓
VXT20✓	VXH12✓	G24✓	P21✓
VXT10✓	VXH13✓	G34/G251✓	P22✓
VXT20✓	VXH13✓	G34/G251✓	P22✓

## Wall Mount - Adapter Kit

Mounts wall mount VXHT Series  
to a 4" Round Box.  
Cat. No. VXT-K1

## Wall Mount with Junction Box VXHBF Series



Hub Size	Series	Max Lamp Size	Complete Cat. # with globe/guard
1/2"	150	150 watt	VXHBF15GP✓
3/4"	150	A-21	VXHBF25GP✓
1/2"	200	200 watt	VXHBF12GP✓
3/4"	200	A-23	VXHBF22GP✓
1/2"	300	300 watt	VXHBF13GP✓
3/4"	300	PS-25 & PS-30	VXHBF23GP✓

Wall Bracket Mounting Module	Body	Globe	Guard	Junction Box
VXT10✓	VXH15✓	G54✓	P50✓	VXF10✓
VXT20✓	VXH15✓	G54✓	P50✓	VXF20✓
VXT10✓	VXH12✓	G24✓	P21✓	VXF10✓
VXT20✓	VXH12✓	G24✓	P21✓	VXF20✓
VXT10✓	VXH13✓	G34/G251✓	P22✓	VXF10✓
VXT20✓	VXH13✓	G34/G251✓	P22✓	VXF20✓

## Stanchion Mount - VXHA Series



Hub Size	Series	Max Lamp Size	Complete Cat. # with globe/guard
1 1/4"		150 watt A-21	VXHA45GP✓
1 1/4"		200 watt A-23	VXHA42GP✓
1 1/4"		300 watt PS-25 & PS-30	VXHA43GP✓

Stanchion Mounting Module	Body	Globe	Guard
VXA4✓	VXH15✓	G54✓	P50✓
VXA4✓	VXH12✓	G24✓	P21✓
VXA4✓	VXH13✓	G34/G251✓	P22✓

✓ – available with Lightning Service™  
See Section G for complete details

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Incandescent  
Fixtures