



# VG SERIES | General Area Light Distribution Fluorescent High-Bay

## Product Description

A high efficiency fluorescent high-bay that provides exceptional light distribution for general areas. This innovative patented fixture design incorporates a unique shape with custom optical reflectors. The reflectors are fabricated from 95% reflective enhanced aluminum. Combined — this unique shape and superior optical performance, provides for the broadest light distribution. The fixture's "gull wing" appearance is not only aesthetically pleasing, but the even illumination provides little to no shadowing.

Applications Include: Warehouses, Manufacturing Facilities, Large Open Spaces and Distribution Centers.

**Heat Dissipation** – The VG fixture series design allows for exceptional heat dissipation. The arc bottom eliminates any heat build-up. Removing heat build-up allows the lamps and ballasts to perform at their maximum lumen output temperature rating. Additionally, as heat rolls off the sides of this fixture, this reduces the possibility of dirt build-up on the reflectors and at the vent holes.

**Light Distribution** – The VG's V shape coupled with the bottom arc angle of each side of this fixture series provides a wide distribution pattern – excellent for use in general or open areas.

## Mounting Methods

VG fixtures offer flexible mounting methods that most commonly include: pendant and hook mounting.

### Hanging Options Include:

- Pendant Mount [Mounting holes provided in the housing] (Standard)
- Hook Mount [Hook with Safety Screw] (Optional)

## Product Construction

The VG fixture housing is brake formed from heavy gauge cold rolled steel, permanently assembled with rivets. 87% reflective white enamel finish is utilized.

**Optical Reflector** system is precision brake formed of the selected aluminum material – enhanced aluminum or highly reflective white. The one piece reflector is removable without the use of tools, using 1/4 turn fasteners to secure it in place.

**Lampholders** are standard 2G11 base snap-in type.

**Ballasts** are electronic programmed-start (50, 55w) or instant-start (36, 40w) as a standard. Optional ballasts are available, consult factory for available systems and system specifications.

**Listings** – All fixtures are UL and CUL listed.

**Patents** – U.S. Patent #6,210,018

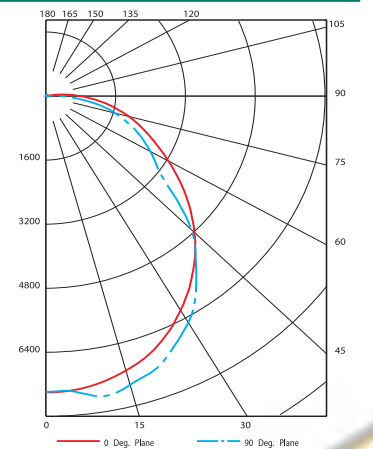
## Photometric Data

LTL NUMBER: 9688  
CAT#: VG 840 12 3SI E 841

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	5947	23.6	26.2
0-40	9729	38.6	42.8
0-60	16798	66.7	73.9
0-90	22264	88.3	98.0
90-120	458	1.8	2.0
90-130	458	1.8	2.0
90-150	458	1.8	2.0
90-180	458	1.8	2.0
0-180	22722	90.2	100.0

TOTAL LUMINAIRE EFFICIENCY: 90.2%  
CIE TYPE: DIRECT  
PLANE: 0-DEG 90-DEG  
SPACING CRITERIA: 1.2 1.3



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HIGH/LOW BAY  
FIXTURES



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**VG – Fixture Ordering Information**

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
VG	—	4	36	12	1	SI	E	HK	C ( )	BLANK	SS
		6	40	27	2	PS	W		6T1	830	ES ( )
		8	50	34	3	PSH	B		6T2	835	
			55	UV	4	PD			E ( )	841	
				HV					F	850	
									OS ( )		
									SC		
									WG		
									LVR		
									PC		

Please Specify When Ordering:

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
VG	—										

**Lamp Type Selections**

- 36 FT36W/2G11 System
- 40 FT40W/2G11 System
- 50 FT50W/2G11 System
- 55 FT55W/2G11 System

**Voltage Selections**

- 12 120V
- 27 277V
- 34 347V
- UV 120-277V
- HV 347-480V

**Ballast Selections**

- SI Standard Ballast Factor (NBF) Electronic\*
  - PS Programmed Start (NBF)
  - PSH Programmed Start High Ballast Factor HBF\*\*
  - PD Programmed Start Dimming
- \* 40w Only  
\*\* 36, 40 & 50w Only

**Reflector Selections**

- E Enhanced Aluminum
- W Highly Reflective White Aluminum
- B 95% Reflective Extreme White Aluminum

**Hanging Selections**

- HK Hook

**Options Selections**

- C ( ) Single Circuit Cord (Specify Length)
- 6T1 6' Cord with L5-15 Locking End
- 6T2 6' Cord with L7-15 Locking End
- E ( ) Emergency Pack (# Lumens)
- F Inline Fuse
- OS ( ) Occupancy Sensor (Specify Lamps on Low/Lamps on High)
- SC Safety Cable
- WG Wire Guard
- LVR Low Voltage
- PC Photocell

**Lamp Color Selections**

- BLANK Lamps Not Included
  - 830 80+ CRI, 3000K
  - 835 80+ CRI, 3500K
  - 841 80+ CRI, 4100K
  - 850 80+ CRI, 5000K\*
- \* 40w Only

**Lamp Options Selections**

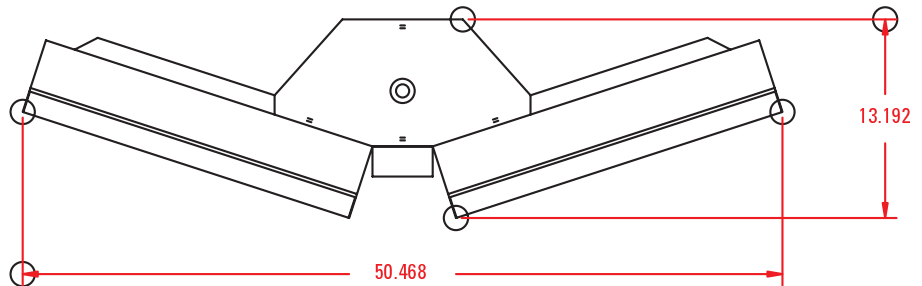
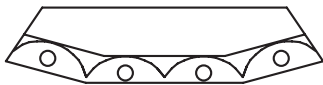
- SS Shattershielded Lamps
  - ES ( ) Energy Saver (Specify Wattage)\*
- \* 40w Only

**Common Fixture Selections**

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
VG 836 UV 2PSH E	Biax	8	352w / 346w	27,840	25,056
VG 840 UV 3SI E	Biax	8	266w / 261w	23,232	20,909
VG 650 UV 2PSH E	Biax	6	353w / 345w	28,380	25,542
VG 855 UV 2PS E	Biax	8	444w / 434w	34,560	31,104

\*Wattages may vary depending on the ballast manufacturer and lamp type used.

Initial and mean system lumens are the initial/mean lumen output of the lamp/ballast system as rated by lamp and ballast manufacturer and may vary from manufacturer to manufacturer. Specifications and dimensions subject to change without notice. Contact Optimum Lighting for current availability and ordering information.



Fixture Type: \_\_\_\_\_

Catalog #: \_\_\_\_\_ Quantity: \_\_\_\_\_

Project: \_\_\_\_\_