

# VL3600 PROFILE IP

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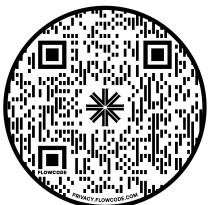
Project: \_\_\_\_\_

The Vari-Lite VL3600 PROFILE IP is a large-scale, high output production profile fixture designed to withstand inclement weather without compromising on weight and size. Designed at the forefront of lightweight IP technology, the VL3600 PROFILE IP uses advancements in mechanical design to ensure that even with an IP65 weatherproof rating, the weight and size remain closer to an IP20 (non-weatherproof) fixture. With a 1000W monochromatic light engine and producing 85,000 source lumens, the VL3600's huge output power is ready to light the show from any distance in any weather. A dedicated color wheel loaded CRI boost and color correction filters ensure colors renders beautifully on stage or on camera. Thanks to a CMY+CTO color wheel mixing system, the fixture produces a wide range of rich colors while eliminating the appearance of blades in the lens, improving direct view applications.



- Large-scale profile luminaire with 180mm front lens and 45,000 lumens of output – ideal for key or effect lighting in the largest of productions.
- IP65 outdoor rating and market leading size-to-weight ratio – outstanding performance no matter the weather, with weight and size closer to a 1000W IP20 fixture than any other IP65 fixture in its class.
- CMY+CTO graduated color wheel mixing system – Provides a wide color mixing spectrum with a homogenization of color that completely fills the front lens at all times, improving direct view applications on stage or on camera.
- Color quality enhancement control – dedicated color enhancement wheel, which include CRI boost filter and a selection of minus green.
- Exclusive VL\*FX animation wheel system – Give users access to 3 different animation effects wheels that can create dynamic projected and mid-air effects on their own or layered with gobos and prisms.
- V\*Track Calibration System – Size and power with none of the unwanted movement. Limit movement during calibration and reduce start up time. Reduce risk of the fixture hitting set objects or shaking the rig.
- SmartFan Control including standard, studio, and whisper modes – multi-mode fan control to adjust settings & manage fan noise. Offers a low dB experience across all frequencies, eliminating buzzing or hums. Ideal for when for when you want to use the fixture in indoor applications.
- Full set of fixture features to meet the needs of the most demanding show – Two Gobo wheels with interchanging gobos, four blade full wipe framing system with 120° of rotation, Iris and dual prism system which includes both an effects and scenic prism.
- Touring and Installations versions available. Touring version fitted with entertainment industry standard chassis mounted IP65 Power and DMX connectors. Installation version fitted with captive Power and DMX terminated to standard entertainment industry IP65 inline connectors.

For detailed product information, please refer to the Product Guide at [www.vari-lite.com/global/products/vl3600-profile-ip](http://www.vari-lite.com/global/products/vl3600-profile-ip)



# VARI\*LTE

# Specifications

Due to continuous improvements and innovations, specifications may change without notice.

## Source

ESE LED System	Monochromatic Light Engine
Source Max Power Consumption	1000 W
Source Lumens	85,000
Source CCT	7500 K
LED Refresh Rate	500Hz to 25KHz
Dimming	Electronic 16-bit
Dimmer Curves	Square Law (Default), Linear, S -Curve
Dimmer Control Option	Dimmer Snap On/Off
	On reduces auto dimmer smoothing
Strobe	Electronic
Strobe Modes	Continuous, Random, Random Sync

## Optical Performance

Zoom Range	5.5 - 50°
Zoom Control	Motorized 16-Bit
Output Lumens	Standard - 45,000 CRI Boost - 36,000
Lens Size	180 mm (7.0 in)
CRI RA	Standard - 72 CRI Boost - 93
TM30	Standard - Rf 68 / Rg 93 CRI Boost - Rf 87 / Rg 102
Focus	Motorized 16-Bit Control Focus Track on/off

## Color System

Subtractive Color Mixing	CMY Graduated Glass Wheels
Color Mixing Control	CMY 8-bit
Variable CTO	7200 to 3200 K
Fixed Color Wheel 1	6 Colors + Open
Fixed Color Wheel 2	4 Colors corrections + Open
Color Wheel Effects	Split Colors, Color Wheel Spin, and Shake

## Imaging

Effects Prism 1	3 Facet Round
Scenic Prism 2	4 Facet Linear
Prism Features	Index/Rotation, MegaStep, Dual Overlay
Beam Softening	Variable control - Light Frost
Beam Softening	Variable control - Medium Frost
Beam Shaping	4 Blade - Full Wipe +/-60° rotation
Iris	16 leaf iris open to 80% closing, Iris pulse effect

## Electrical

Output Power Consumption	1475 W @120V
Power Connection	Touring - TrueOne Compatible Input Installation - 1m Captive Power cable to inline TrueOne Input connector
	*Power input cable not included
Input Voltage	120-240 VAC, 50 / 60 Hz

## Data

Supported Protocols	DMX (RDM), ArtNet
DMX Modes	
16-Bit Enhanced	54 Channels
16-Bit	49 Channels
Data Connections	5-pin XLR, RJ45, Wireless DMX (Lumen Radio), USB Data
FollowSpot Mode	Manual FollowSpot Operation
Manual Mode	Advanced Feature local control

## Noise Level / Fan Control (Base Level 30 dB)

Cooling System Type	Forced Air
Fan Mode	Continuous (On) / Auto Ramping
Fan Level Presets	Standard, Studio, Whisper
Advance Fan/Noise Control	SmartFan Control*
	*User Definable Variable Speed Fan Control by DMX

## Movement

Pan Angle	540°
Pan Speed	4.54 s
Tilt Angle	270°
Tilt Speed	3.5 s
Calibration System	V*Track Calibration Move to home fast calibration

## Mounting

Hanging Centers	700.0 mm (27.5 in)
Mounting/Hanging Orientation	Hanging: floor, side
	*See user manual for side hang restrictions
Secondary Safety Wire Point	1 x Safety point on underside of upper enclosure
	*Safety wire not included

## Certification and Safety

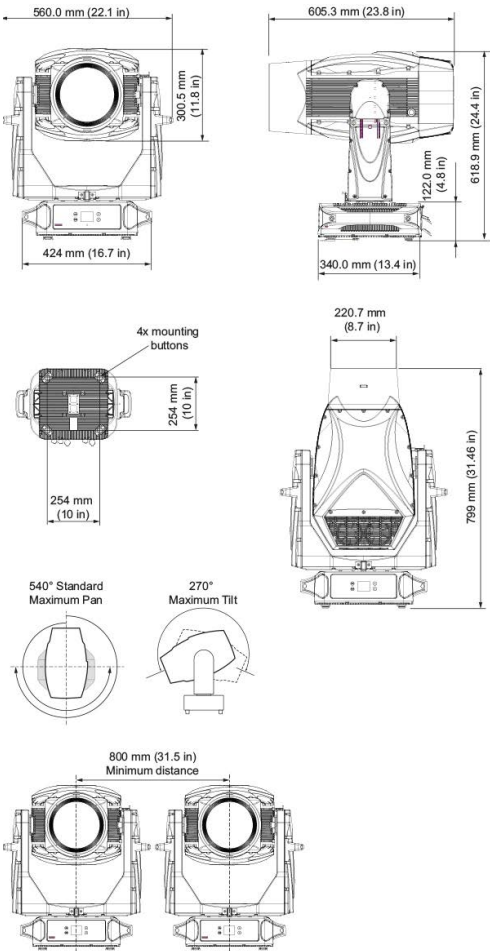
Approbations	CE,FCC,RCM,ISED,UKCA,ETL,CB
IP Rating	IP65

## Photometrics and IES Files

5.5° Beam @ 5m / 16.4 ft	88,522 lux (8,224 fc)
5.5° Beam @ 10 m / 32.8 ft	
50° Beam @ 5 m / 16.4 ft	2,661 lux (247 fc)
50° Beam @ 10 m / 32.8 ft	665 lux (62 fc)

For IES files and photometric reports, please refer to the product page:  
[www.vari-lite.com/global/products/vl3600-profile-ip](http://www.vari-lite.com/global/products/vl3600-profile-ip)

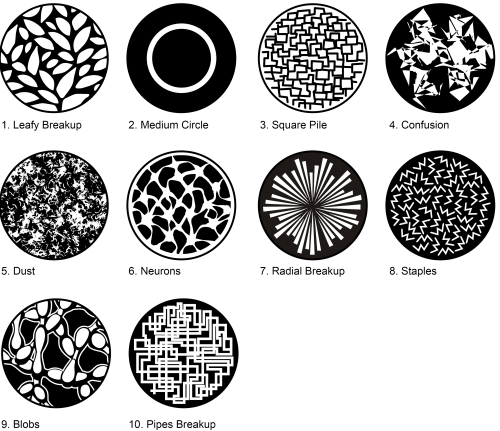
Dimensions



Physical

Construction	Die Cast, Magnesium
Standard Finish	Black, White
Dimensions	560 x 799 x 340 mm (22.0 x 31.5 x 13.4 in)
Fixture Weight	47.7 kg (105.0 lb)
Operating Temperature	-10-45°C (4-113°F)
Surface Treatment	A minimum of 1500 hours continuous for salt spray resistant finish

Gobo Wheel 1



Gobo Wheel 2



VL\*FX



Gobo and Effect Wheels

Gobo Wheel 1	Fixed, Interchangeable 10 + Open
Gobo Diameter / Thickness	29.8mm x 1.1mm
Image Size	24 mm
Gobo Wheel 2	Index/Rotating 7 + Open
Gobo Diameter / Thickness	29.8mm x 1.1mm
Image Size	24mm
VL*FX Animation	Animation effects 3 + Open Interchangeable
Gobo Diameter / Thickness	64.3mm x 1.1mm
Image Size	62mm

# Luminaire and Accessories

Product type	Order Code
VL3600 PROFILE IP, Touring, Black	74817-001
1000W Monochromatic Light Engine , c/w 2 x VL Rails and power input connector, Black	
VL3600 PROFILE IP, Touring, White	74817-101
1000W Monochromatic Light Engine , c/w 2 x VL Rails and power input connector, White	
VL3600 Profile IP Install, Black	74817-011
VL3600, PROFILE IP, 1000w Monochromatic Light Engine , c/w 2 x VL Rails and Installation, Power and DMX 1m tails, Black	
VL3600 Profile IP, Install, White	74817-111
VL3600, PROFILE IP, 1000w Monochromatic Light Engine , c/w 2 x VL Rails and Installation, Power and DMX 1m tails, White	
Accessories	
VL3600, Flightcase molded foam insert	74817-900
Luminaire Programing Kit - Software / Firmware Uploader	PEGASUS

