

VL3600 PROFILE IP

Date:

Type:

Firm Name:

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 – Gives 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. *Patent Pending
- Wireless DMX using Lumen Radio CRMX TimoTwo™ – cable-free connection of your DMX / RDM data to the fixture fitted as standard. Dynamic wireless system that ensures an improved cognitive coexistence across wireless networks.
- 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 with chassis mounted IP65 Power and DMX connectors. Installation version fitted with IP65 inline connectors.

For detailed product information, please refer to the Product Guide at <https://www.vari-lite.com/global/products/vl3600-profile-ip>



VARI*LITE

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	85000
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 Speed	0 - 30Hz
Strobe Modes	Continuous, Random, Random Sync

Optical Performance

Lens Size	180 mm (7.0 in)
Zoom Range	5.5 - 50°
Zoom Control	Motorized 16-Bit
Focus	Motorized 16-Bit Control
	Focus Track on/off
Output Lumens	Standard - 45,000
	CRI Boost - 36,000
Output CCT	7500 K
CRI RA	Standard - 72
	CRI Boost - 93
TM30	Standard - Rf 68 / Rg 93
	CRI Boost - Rf 87 / Rg 102

Color System

Subtractive Color Mixing	CMY Graduated Glass Wheels
Color Mixing Control	CMY 8-bit
Color Mixing Control	Color Snap On/Off
Option	On reduces auto smoothing color to create faster color changes
Variable CTO	7200 to 3200 K
Fixed Color Wheel	6 Colors + Open
Fixed Color Wheel	4 Colors corrections + Open
Color Wheel Effects	Split Colors, Color Wheel Spin, and Shake

Imaging

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

Electrical

Max output Power	1475 W
Consumption	
Power Connection	Touring - TrueOne Compatible Input Installation - 1m tails
	*Power cable not included - input connector only
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	
Data Connections	5-pin XLR, RJ45, Wireless DMX (Lumen Radio), USB Data
FollowSpot Mode	Manual FollowSpot Operation

Noise Level / Fan Control (Base Level 30 dB)

Fan Mode	Continuous (On) / Auto Ramping
Fan Level Preset	Standard, Studio, Whisper
Cooling System Type	Hybrid sealed liquid and forced air system

Movement

Pan Angle	540°
Pan Speed	4.54 s
Tilt Angle	270°
Tilt Speed	3.50 s
Calibration System	V*Track Calibration

Mounting

Hanging Type	2 x VL Hook Rails L
Hanging Centers	700.0 mm (28.0 in)
Mounting/Hanging	Hanging - Floor - Side
Orientation	*See user manual for side hang guidance and restrictions
Secondary Safety Wire Point	1 x Safety point located on underside of upper enclosure
	Safety wire not included

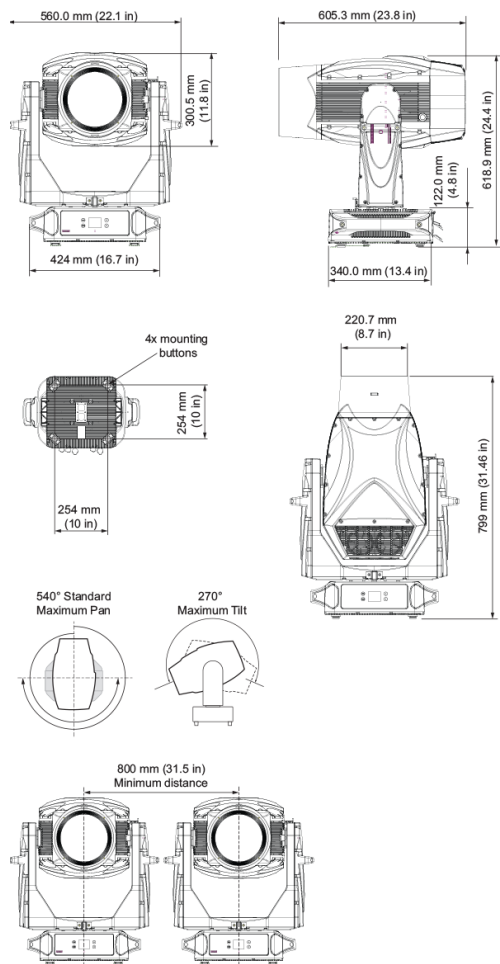
Photometrics and IES Files

5.5° Beam @ 5m / 16.4 ft	108,000 lux (10,034 fc)
5.5° Beam @ 10 m / 32.8 ft	2,950 lux (274 fc)
50° Beam @ 5 m / 16.4 ft	27,800 lux (2,583 fc)
50° Beam @ 10 m / 32.8 ft	998 lux (93 fc)

For IES files and photometric reports, please refer to the product page:

<https://www.vari-lite.com/global/products/vl3600-profile-ip>

Dimensions



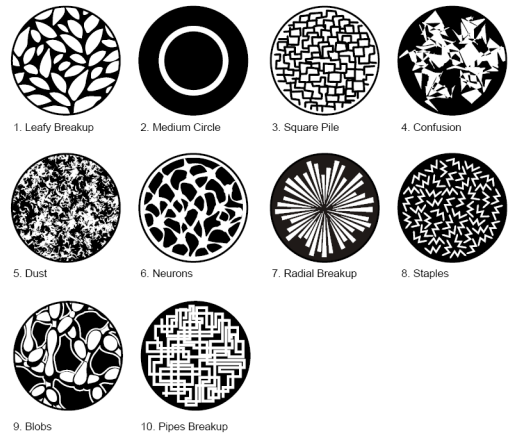
Physical

Construction	Superstructure made of Aluminum, magnesium and steel metal plates, Covers Die Cast Magnesium
IP Rating	IP65
Standard Finish	Black, White
Dimensions	560 x 799 x 340 mm (22.0 x 32.0 x 13.0 in)
Packed Dimensions	760 x 700 x 750 mm (29.9 x 27.6 x 29.5 in)
Fixture Weight	48.0 kg (105.0 lb)
Packed Weight	68.8 kg (151.7 lb)
Surface Treatment	A minimum of 1500 hours continuous for salt spray resistant finish
Operating Temperature	-10-45°C (4-113°F)

Certification and Safety

Approbations	CE,FCC,RCM,ISED,UKCA,ETL,CB
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Gobo Wheel 1



Gobo Wheel 2



VL*FX



Gobo and Effect Wheels

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

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



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