

VL3600 LT PROFILE IP

Date: _____

Type: _____

Firm Name: _____

Project: _____

The Vari-Lite VL3600 LT Profile IP is a high output, long-throw production profile fixture designed at the forefront of optical technology to provide superior output in extremely narrow zoom ranges. With a 1000W monochromatic light engine and IP65 outdoor rating, the VL3600 LT's huge output power is ready to light the show from any distance in any weather. For a consistent experience, the VL3600 LT Profile IP offers long-throw key and effect lighting with the same size, speed, and industry standard features as the VL3600 Profile IP.



- Long throw production profile luminaire with high levels of illumination (>50,000 Lux @ 10m / 4722fc @ 32ft.) – high-output key lighting in the largest of venues.
- Optimized long throw optical system offering a 3° to 42° zoom range – tailored zoom for key lighting at distance.
- Large 220mm front lens and matched feature set to the industry-leading VL3600 Profile IP – long-distance key lighting or high-impact effect lighting with consistent look and feel
- IP65 outdoor rating – outstanding performance no matter the weather.
- 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.
- 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. *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-lt-profile-ip>



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Specifications

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

Source

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	220 mm (8.7 in)
Zoom Range	3 - 42°
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 Option	Color Snap On/Off 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 Consumption	1475 W
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	260°
Tilt Speed	3.50 s
Calibration System	V*Track Calibration

Mounting

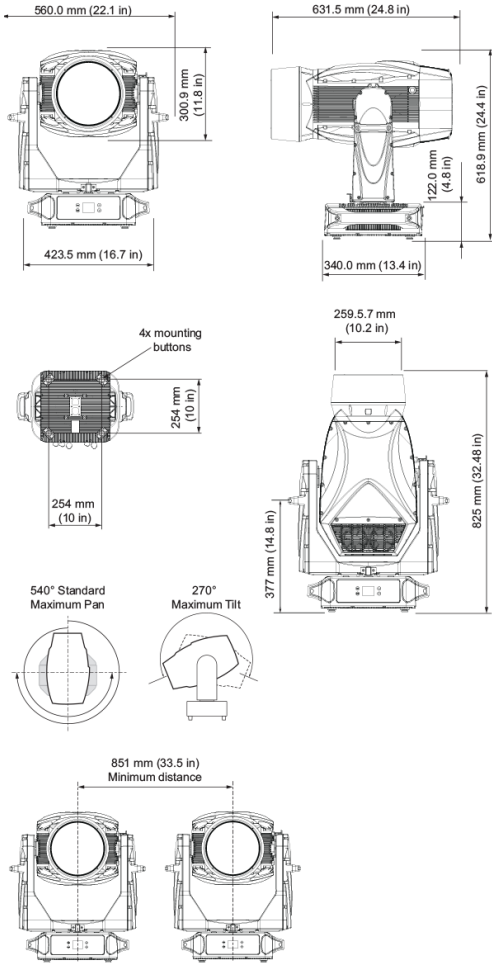
Hanging Type	2 x VL Hook Rails L
Hanging Centers	700.0 mm (30.0 in)
Mounting/Hanging Orientation	Hanging - Floor - Side *See user manual for side hang guidance and restrictions
Secondary Safety Wire Point	1 x Safety point located on underside of upper enclosure Safety wire not included

Photometrics and IES Files

3° Beam @ 5m / 16.4 ft	203,300 lux (18,887 fc)
3° Beam @ 10m / 32.8 ft	50,825 lux (4,722 fc)
42° Beam @ 5 m / 16.4 ft	4,138 lux (384 fc)
42° Beam @ 10 m / 32.8 ft	1,035 lux (96 fc)

For IES files and photometric reports, please refer to the product page:
<https://www.vari-lite.com/global/products/vl3600-lt-profile-ip>

Dimensions



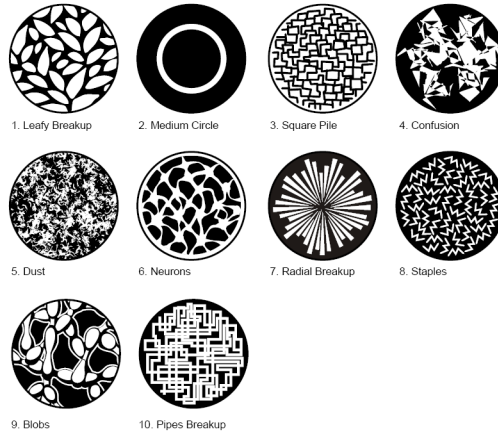
Physical

Construction	Superstructure made of Aluminum, magnesium and steel metal plates, Covers Die Cast Magnesium
IP Rating	IP65
Standard Finish	Black, White
Dimensions	560 x 825 x 340 mm (22.0 x 33.0 x 13.0 in)
Fixture Weight	57.0 kg (126.0 lb)
Surface Treatment	A minimum of 1500 hours continuous for salt spray resistant finish

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

Luminaire and Accessories

Product type	Order Code
VL3600 LT PROFILE, Touring Blk	74817-050
VL3600, LT PROFILE IP, 1000w Monochromatic Light Engine , c/w 2 x VL Rails and power input connector, Black	
VL3600 LT PROFILE, Touring White	74817-150
VL3600, LT PROFILE IP, 1000w Monochromatic Light Engine , c/w 2 x VL Rails and power input connector, White	
VL3600 LT PROFILE, Install Blk	74817-051
VL3600, LT PROFILE IP, 1000w Monochromatic Light Engine , c/w 2 x VL Rails and Installation, Power and DMX 1m tails, Black	
VL3600 LT PROFILE, Install Wht	74817-151
VL3600, LT PROFILE IP, 1000w Monochromatic Light Engine , c/w 2 x VL Rails and Installation, Power and DMX 1m tails, White	
Accessories	
Luminaire Programing Kit - Software / Firmware Uploader	PEGASUS



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