

# GOBO SIZING INFORMATION

<b>PRODUCT:</b>	various Vari-Lite luminaires
<b>SUBJECT:</b>	Gobo Sizing Information

## OVERVIEW

This technical notice is for informational and reference purposes only. Owners and users are not required to inspect or change their gobos.

If you have any questions as to any aspect of this Technical Notice, contact Vari-Lite customer service at 1-877-VARILITE or +1-214-647-7880.

**NOTE:** Vari-Lite luminaires accept glass gobos only. Use of metal gobos in any Vari-Lite luminaires may damage gobo assembly and void the luminaire's warranty. Damage caused by non-Vari-Lite manufactured gobos - to luminaire or luminaire assemblies - is not warrantable.

**WARNING!** Any repairs or maintenance to Vari-Lite luminaires should only be performed by a trained and qualified service technician or at an Authorized Vari-Lite Service facility.

## ROTATING GOBO WHEEL GOBO SIZES

The following provides gobo sizes for Vari-Lite luminaires that have rotating gobo or effects wheels.

**TABLE 1. ROTATING GOBO WHEEL - GOBO SIZES**

LUMINAIRE	GOBO DIAMETER	IMAGE AREA DIAMETER	GLASS THICKNESS	CARRIER REQUIRED?
VL440 Spot	25.5mm	24 mm	1.1mm	No
VL770 Spot	25.5mm	24mm	1.1mm	No
VL880 Spot	25.5mm	24 mm	1.1mm	No
VL1100 ERS	37.5mm	28.5mm	1.1mm	Yes
VL2500 Spot	22.7mm	16.5mm	1.1mm	Yes
VL2600 Profile	27mm	17mm	1.1mm	No
VL2600 Spot	27mm	17mm	1.1mm	No
VL3000 Spot	37.5mm	26.5mm	1.1mm	Yes
VL3000Q Spot	37.5mm	26.5mm	1.1mm	Yes
VL3015 Spot	37.5mm	26.5mm	1.1mm	Yes
VL3015LT Spot	37.5mm	31.75mm	1.1mm	Yes
VL3500 Spot	37.5mm	26.5mm	1.1mm	Yes
VL3500Q Spot	37.5mm	26.5mm	1.1 mm	Yes
VL3515 Spot	37.5mm	26.5mm	1.1mm	Yes
VL3500 Wash FX	50.8mm	44mm	1.1mm	No
VL4000 Spot	37.5mm	29.5mm	1.1mm	Yes
VL4000 Beamwash	37.5mm	29.5mm	1.1mm	Yes
VLZ Profile	27mm	17.5mm	1.1mm	No
VLZ Spot	27mm	17.5mm	1.1mm	No
SL LEDSPOT 300	30mm	19mm	1.1mm	Yes
VL10 Beamwash	14mm	8mm	0.5mm (metal only)	Yes
VLZ Profile	30mm	17.5mm	1.1mm	No

**NOTE:** For additional information, refer to **"GOBO SIZING NOTES" on page 2.**

## FIXED GOBO WHEEL GOBO SIZES

The following provides gobo sizes for Vari-Lite luminaires that have a fixed gobo or effects wheel.

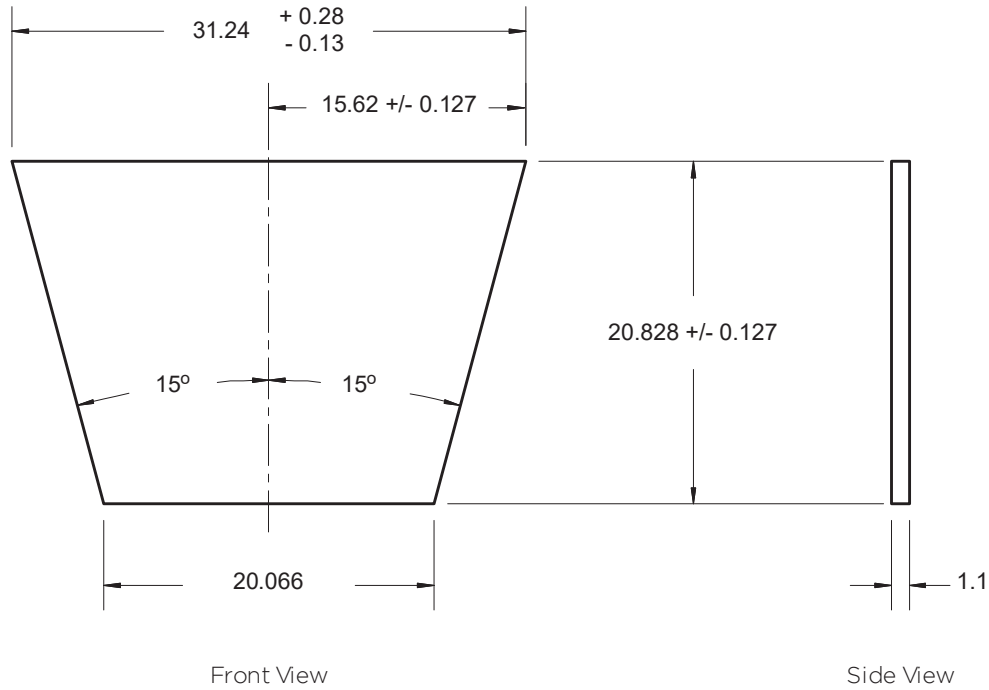
**TABLE 2. FIXED GOBO WHEEL - GOBO SIZES**

LUMINAIRE	GOBO DIAMETER	IMAGE AREA DIAMETER	GLASS THICKNESS	CARRIER REQUIRED?
VL440 Spot	25.5mm	24mm	1.1mm	Yes
VL770 Spot	25.5mm	24mm	1.1mm	Yes
VL880 Spot	25.5mm	24mm	1.1mm	Yes
VL1100 ERS		Not applicable		
VL2500 Spot*	31.24 mm (widest) 20.07 mm (narrowest) 20.83 mm (high)	15.5 mm OR Full Field	1.1mm	Yes
VL2600 Profile	27mm	17.5mm	1.1mm	No
VL2600 Spot	27mm	17.5mm	1.1mm	No
VL3000 Spot		Not applicable		
VL3000Q Spot		Not applicable		
VL3015 Spot		Not applicable		
VL3015LT Spot		Not applicable		
VL3500 Spot	37.5mm	26.5mm	1.1mm	Yes
VL3500Q Spot	37.5mm	26.5mm	1.1mm	Yes
VL3515 Spot	37.5mm	26.5mm	1.1mm	Yes
VL3500 Wash FX		Not applicable		
VL4000 Spot		Not applicable		
VL4000 Beamwash		Not applicable		
VLZ Profile	30mm	22mm	1.1mm	No
VLZ Spot	30mm	22mm	1.1mm	No
SL LEDSPOT300	24mm	19mm	1.1mm	No

\*For additional information on VL2500 Spot Luminaire gobo size, refer to [FIGURE 1 on page 3](#).

## GOBO SIZING NOTES

- VL1100 ERS, VL3000 Spot, VL3000Q Spot, VL3500 Spot, VL3500Q Spot, VL3015 Spot, VL3515 Spot, and VL3015LT Spot Luminaires all use the same size gobo blank.
- Gobos for the VL3000 Spot, VL3000Q Spot, VL3500 Spot, VL3500Q Spot, VL3015 Spot, and VL3515 Spot Luminaires can vary in image size from 25 mm to 26.5 mm. Full-field gobos are 26.5 mm.
- VL1100 ERS Luminaire gobo size determined from a test pattern. Some production images may be smaller.
- The fixed gobo slots on the VL2500 Spot Luminaire are a trapezoid shape. The notation, “full field” implies entire trapezoid is covered with image.



**FIGURE 1. VL2500 SPOT GOBO**

**SERIES 4000 AND VLZ ANIMATION WHEEL SIZE**

The following provides animation wheel size information for the VL4000 Spot and VL4000 Beamwash Luminaires.

**TABLE 3. SERIES 4000 AND VLZ ANIMATION WHEEL SIZES**

LUMINAIRE	GOBO DIAMETER	IMAGE AREA DIAMETER	GLASS THICKNESS	CARRIER REQUIRED?
VL4000 Spot	100mm	95mm	1.1mm	Yes
VL4000 Beamwash	100mm	95mm	1.1mm	Yes
VLZ Profile	115mm	110mm	0.8mm	No
VL10 Beamwash	38mm	35mm	1.1mm quartz glass	Yes

**CUSTOMER SERVICE**

If you have any questions regarding this product, please contact Customer Service at +1-214-647-7880 or via e-mail at [entertainment.service@signify](mailto:entertainment.service@signify).

©2019 Signify Holding. All rights reserved. All trademarks are owned by Signify Holding or their respective owners. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Data subject to change.

**VARI-LITE OFFICES**

**AMERICAS**  
10911 Petal Street  
Dallas, TX 75235  
Tel: +1 214-647-7880  
Fax: +1 214-647-8039

**ASIA**  
Room 1201, Freetown Tower D  
E 3rd Ring Rd S, 58  
Chaoyang Qu  
Beijing Shi, China  
Tel: +8610-58674776  
Fax: +8610-58674775

B-1-27, Dataran Cascades, No. 13A  
Jalan PJU 5/1  
Kota Damansara PJU 5  
47810 Petaling Jaya  
Selangor, Malaysia  
Tel: +60 3-7611 7302

**EUROPE**  
Rondweg Zuid 85  
Winterswijk 7102 JD  
Netherlands  
Tel: +31 543-542516  
Fax: +31 543-542513

24 Sovereign Park  
Coronation Road  
Park Royal, London  
NW10 7QP  
United Kingdom  
Tel: +44 020 8965 3209