

**PRODUCT:** Various Philips VARI\*LITE Luminaires

**SUBJECT:** Gobo Sizing Information

### OVERVIEW

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This technical notice is for informational and reference purposes only. Owners and users are not required to inspect or change their gobos. For details and further information, please refer to:

- “Rotating Gobo Wheel Gobo Sizes” on page 2 of this notice.
- “Fixed Gobo Wheel Gobo Sizes” on page 3 of this notice.
- “Gobo Sizing Notes” on page 3 of this notice.
- “Series 4000 Animation Wheel Size” on page 4 of this notice.

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





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**Note:** Philips VARI\*LITE luminaires accept glass gobos only. Use of metal gobos in any Philips 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.

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

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**WARNING:** Any repairs or maintenance to Philips VARI\*LITE luminaires should only be performed by a trained and qualified service technician or at an Authorized Philips VARI\*LITE Service facility.

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### CONTACT INFORMATION

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For more information on this technical notice or on Philips VARI\*LITE products, please contact your Authorized Philips VARI\*LITE Dealer or Philips Vari-Lite customer service.

### ROTATING GOBO WHEEL GOBO SIZES

The following provides gobo sizes for Philips VARI\*LITE luminaires that have rotating gobo or effects wheels.

**Table 1: Rotating Gobo Wheel - Gobo Sizes**

Luminaire	Rotating Gobos			
	Gobo Diameter	Image Area Diameter	Glass Thickness	Carrier Required?
VL440 Spot	25.5 mm	24.0 mm	1.1 mm	No
VL770 Spot	25.5 mm	24.0 mm	1.1 mm	No
VL880 Spot	25.5 mm	24.0 mm	1.1 mm	No
VL1100 ERS	37.5 mm	28.5 mm	1.1 mm	Yes
VL2500 Spot	22.7 mm	16.5 mm	1.1 mm	Yes
VL3000 Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3000Q Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3015 Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3015LT Spot	37.5 mm	31.75 mm	1.1 mm	Yes
VL3500 Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3500Q Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3515 Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3500 Wash FX	50.8 mm	44.0 mm	1.1 mm	No
VL4000 Spot	37.5 mm	29.5 mm	1.1 mm	Yes
VL4000 BeamWash	37.5 mm	29.5 mm	1.1 mm	Yes

**Note:** For additional information, refer to [“Gobo Sizing Notes” on page 3](#).

### FIXED GOBO WHEEL GOBO SIZES

The following provides gobo sizes for Philips VARI\*LITE luminaires that have a fixed gobo or effects wheel.

**Table 2: Fixed Gobo Wheel - Gobo Sizes**

Luminaire	Fixed Gobos			
	Gobo Diameter	Image Area Diameter	Glass Thickness	Carrier Required?
VL440 Spot	25.5 mm	24.0 mm	1.1 mm	Yes
VL770 Spot	25.5 mm	24.0 mm	1.1 mm	Yes
VL880 Spot	25.5 mm	24.0 mm	1.1 mm	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	1.1 mm	Yes
VL3000 Spot	Not Applicable			
VL3000Q Spot	Not Applicable			
VL3015 Spot	Not Applicable			
VL3015LT Spot	Not Applicable			
VL3500 Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3500Q Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3515 Spot	37.5 mm	26.5 mm	1.1 mm	Yes
VL3500 Wash FX	Not Applicable			
VL4000 Spot	Not Applicable			
VL4000 BeamWash	Not Applicable			

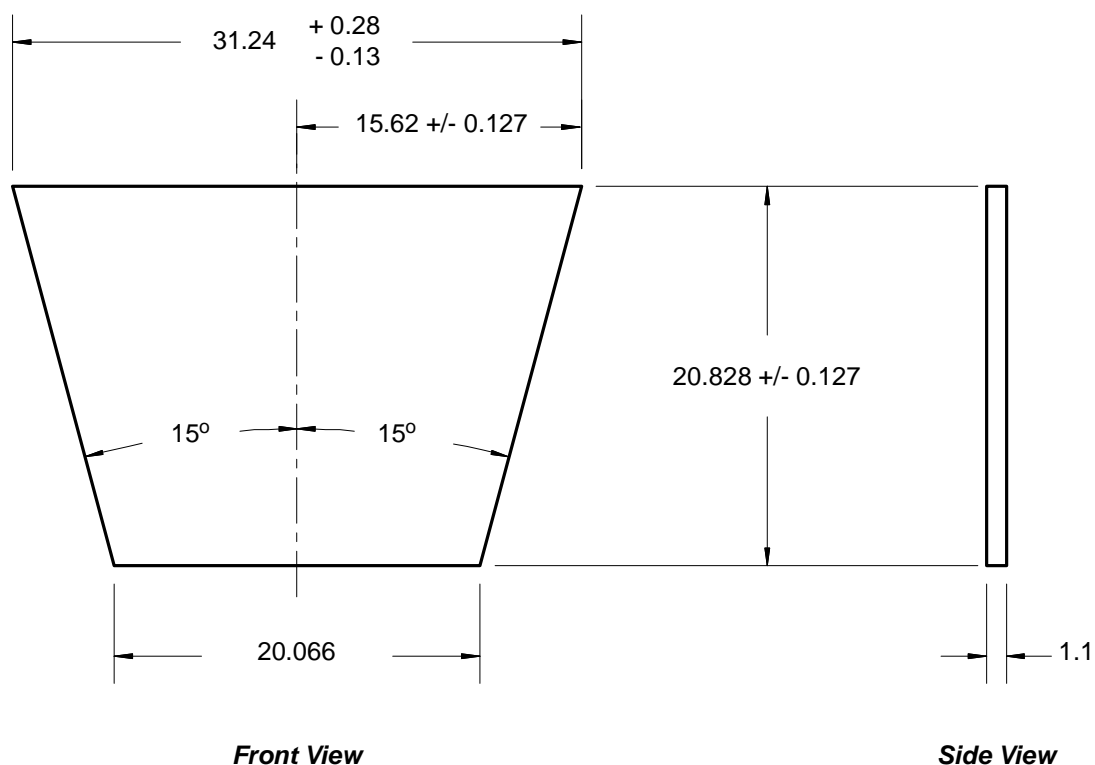
\*For additional information on VL2500 Spot Luminaire gobo size, refer to [Figure 1](#) on [page 4](#).

### 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.

*Note: All dimensions are in millimeters.*



**Figure 1: VL2500 Spot Gobo**

### **SERIES 4000 ANIMATION WHEEL SIZE**

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

**Table 3: Series 4000 Animation Wheel Size**

Luminaire	Animation Wheel Gobo Size			
	Gobo Diameter	Image Area Diameter	Glass Thickness	Carrier Required?
VL4000 Spot	100.0 mm	95.0 mm	1.1 mm	Yes
VL4000 BeamWash	100.0 mm	95.0 mm	1.1 mm	Yes