

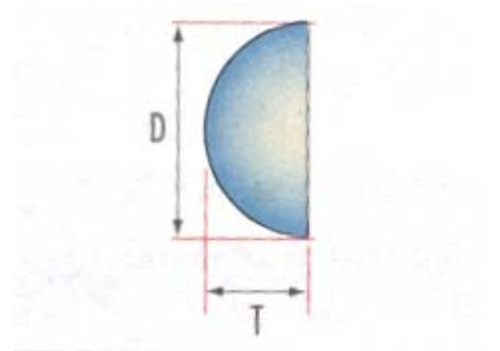


half Ball Lenses (for LED Industry)

ISO9001:2008 Certificated

Half ball lenses are widely used in LED industry, especially for high power and UV LED. It has many advantages over silicone lens and plastic lens

- * **High surface quality**
- * **Super transparent over full lifetime of LED**
- * **Scratch-proof surface**
- * **High or very high refraction index**
- * **Heat resistant up to more than 500°C**
- * **Excellent thermal characteristics**



Specifications:

Material:	BK7, B270, Borosilicate glass, UV Fused Silica or any other glass/crystal customers specified
Refractive Index	1.48 ~ 2.0
Dimension Size:	<20mm
Diameter Tolerance:	+0/-0.07mm
Thickness Tolerance :	±0.03~0.07mm
Surface Quality:	80-60 scratch and dig
Chamfer:	<0.2mm, <0.1mm
Coating:	Optional

Why to Choose Z-Optics

- * **Low cost, high volume** - Yield as big as 1000,000pcs/month. Un-beatable price.
- * **Any optical glass/crystal you can imagin** - BK7, B270, Borosilicate glass, UV Fused Silica PYREX...
- * **Freedom for Designer to Optimize System** - with refractive index of 1.48~2.0
- * As big as 20mm diameter(D) lens Available, and a lot of different size lens on shelf for quick delivery for the diameter of 3~8mm
- * **Customized Height(T) of Lens** - from ball lens to very thin lens, any height can be achieved
- * **Unique Technology** - High efficiency on production. Free of dirties and contamination after polishing, no additional cleaning needed.
- * **Quick Delivery and Low Cost for Samples** - It's not moulded, so no mould investment.
- * **ISO certificated company and long term cooperation with leading companies**, such as Cree, Luminus, Samsung ...

Our Customers



How to Order

Just send email or call us. Please specify:

- * **Material:** BK7, B270, Borosilicate glass, UV fused silica or others
- * **Size:** Diameter, Height

*Note: High precision half ball lenses is also available, which is used in communication, endoscopy, microscopy, optical pick-up devices and laser measurement systems, please contact our sale engineers for detailed information.

Z-OPTICS Limited

Tel: +86-577-8181-0885 Fax: +86-577-6286-6900

sales@z-optics.com

www.z-optics.com