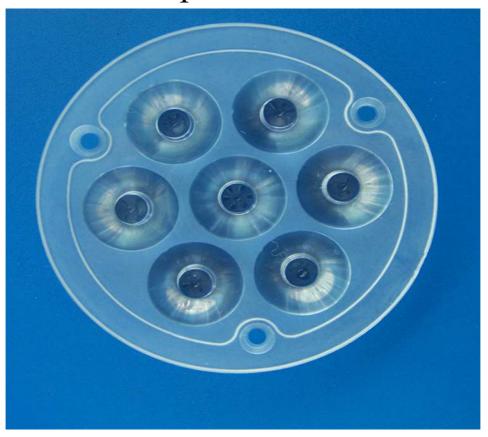
Specifications



Model HX-77

Specification Lens \mathcal{C} 74.00mm X H12.55mm Material Lens Optical Grade PMMA PC

Beam Angle(θ /2) 15Deg

For Led Luxeon Edixeon Seoul Bridgelux

Features:

High efficiency

Available in 1 beam Patterns Optimized for uniform effects

Lens with holder

Typical applications:

Stage lighting

Street lights

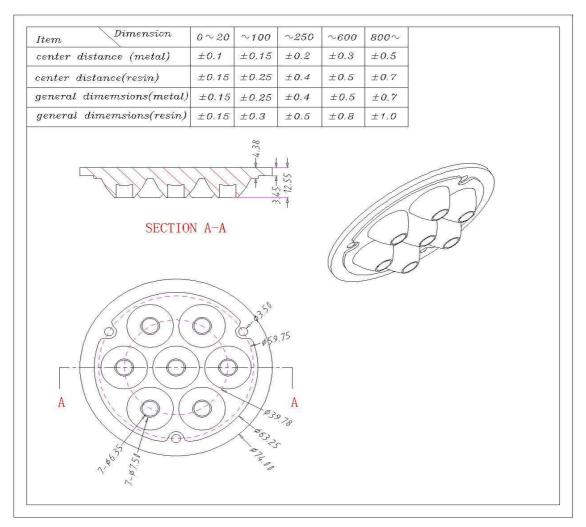
Decorative light

Architectural lighting

Down light

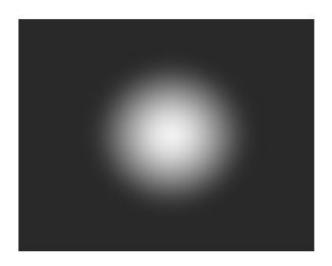
Flashlight

1. Lens dimensions of the 2D Views

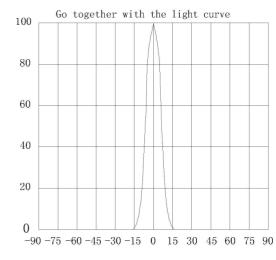


Relative Intensity(%)

2.Beam Pattern



3. Angular Intensity Distribution



Angular Displancement (Degress)

LED LENS MATERIALS FEATURES TABLE

	FEATURES	EXPERIMENTAL METHODS	UNITS	PMMA
PHYSICAL PROPERTIES	DENSITY	ASTM D792	g/cm	1.19
	ABSORBTION	ASTM D570	%	2
OPTICAL PROPERTIES	REFRACTION INDEX	ASTM D542		1.49
	TRANSMITTANCE	ASTM D1003	%	95
	ABBE	ASTM D542		58
	BIREFRINGENCE		nm	<20
THERMODYNAMICAL PROPERTIES	GLASS TRANSITION POINT	DSC	°C	150
	HEAT DISTORTION	ASTM D648(1.85kg/cm)	°C	120
MECHANICAL PROPERTIES	TENSILE STRENGTH	ASTM D638	MPA	730
	TENSILE ELONGATION	ASTM D638	%	10
	FLEXURAL MODULUS	ASTM D790	1 OMPA	3

Notes:

- 1. Engineering drawings and all dimensions are in millimeters, holder and lens tolerance, respectively $\pm\,0.10$ and $\pm\,0.05$.
- 2. Product operating temperature range -40 °C ~ +70 °C (upper limit +80 °C).
- 3. Product storage temperature range -40 $^{\circ}$ C ~ +70 $^{\circ}$ C (upper limit +80 $^{\circ}$ C).
- 4. Average transmittance in visible specturm 400nm ~700nm > 92%.
- 5.If necessary, clean lenses with mild soap water and soft cloth.
- 6. Never use any commercial cleaning solvents on lenses, like alcohol.
- 7.Please handle and install lenses with wearing gloves,skin oils may damage lens or its optical characteristic.