

## PRODUCT DATASHEET Crystal series

last update 12/4/2013





### Ordering number C12985\_CRYSTAL-MINE

Family Crystal Type Lens XP-E LED Color Clear Diameter 46.8 mm Height 27.4 mm Style Round **PMMA** Optic Material Holder Material Fastening

Status Promotion

#### Ordering number C12916\_CRYSTAL-RS

Family Crystal Type Lens LED XP-E Color Clear Diameter 46.8 mm Height 27.4 mm Round Style Optic Material **PMMA** Holder Material Fastening

Status Promotion

FWHM 5 degrees
Efficiency 85 %
cd/lm 38.500
Gerber File Available

**FWHM** 

cd/lm

Efficiency

Gerber File

Product designed especially for Mining applications. Lens produ

6 degrees

87 %

35.200

Available

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.



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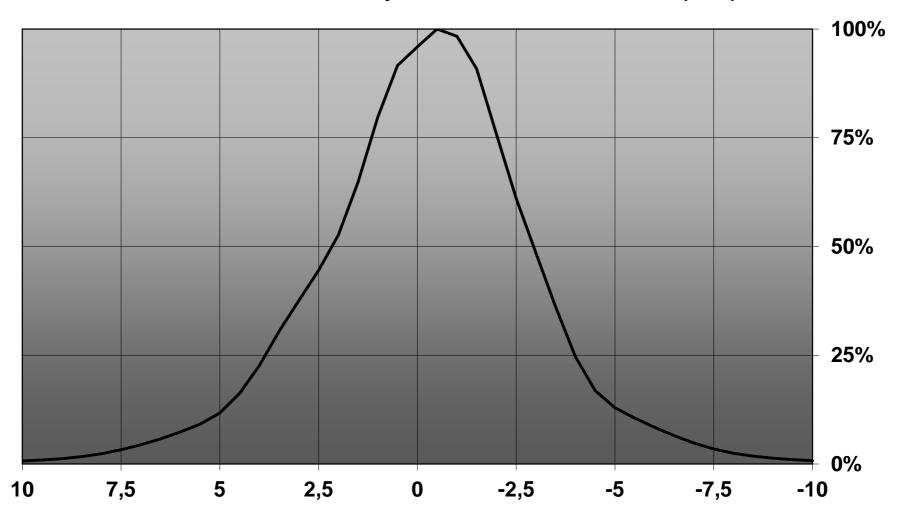
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### GENERAL INFORMATION

- Product series especially designed & optimized for XP-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below: http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94\_Yellow%20Card.pdf http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf

### **Relative intensity of C12985\_CRYSTAL-MINE-(XPE)**



### **Relative intensity of C12916\_Crystal-RS-(XPE)**

