

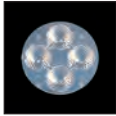
**Lenses for XLAMP<sup>®</sup> LEDs**

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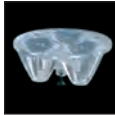
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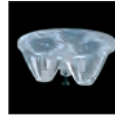
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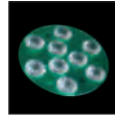
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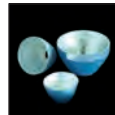
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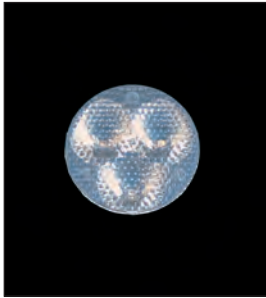
**KCLP Series**

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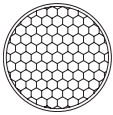
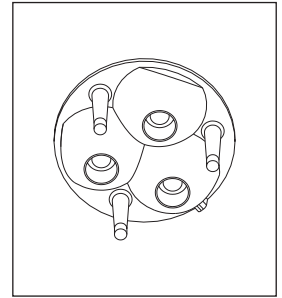
**Mini Triple Lenses for XLAMP<sup>®</sup> LEDs**

**PL605 Series**

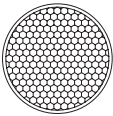


**PL605 Series**

- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ Patent pending
- ▶ Free testing and technical support
- ▶ **Standard MR11**



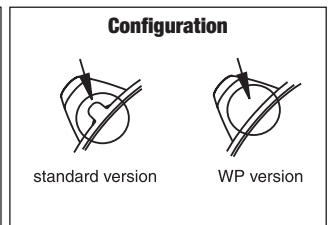
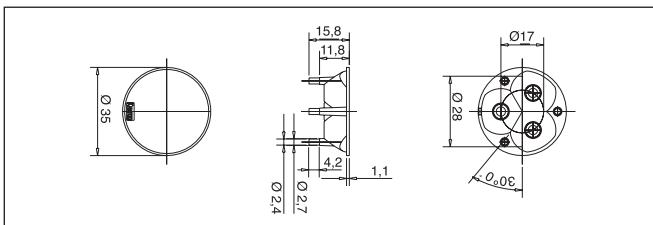
Part Number	Type	LED type	Degree
<b>PL 60525</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25



Part Number	Type	LED type	Degree
<b>PL 60540</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

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**If you need the lens without peg, you have to add WP at the end of the part number**



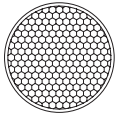
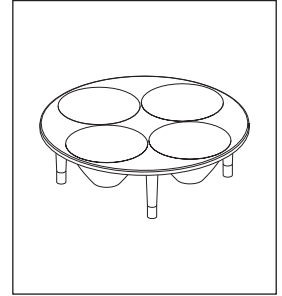
**Quad Lenses for XLAMP<sup>®</sup> LEDs**

**PL503 Series**



**PL503 Series**

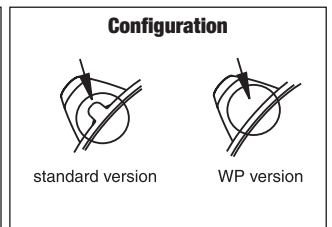
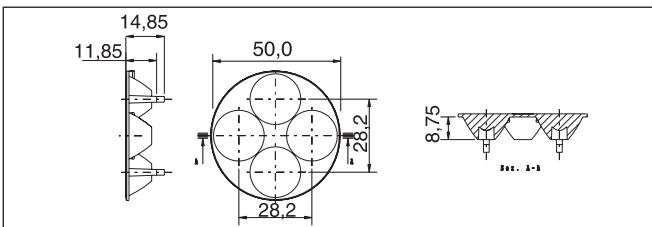
- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ Patent pending
- ▶ Free testing and technical support
- ▶ **Standard MR16**



Part Number	Type	LED type	Degree
<b>PL 50340W</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

For further information visit our web site: [www.khatod.com](http://www.khatod.com)

**If you need the lens without peg, you have to add WP at the end of the part number**



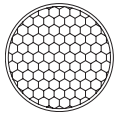
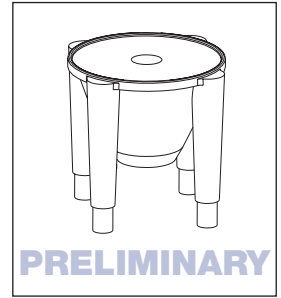
**Lenses for XLAMP<sup>®</sup> LEDs**

**PL265A Series**

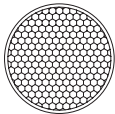


**PL265A Series**

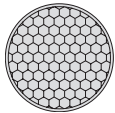
- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ Patent pending
- ▶ Free testing and technical support
- ▶ No mould charge on custom lenses



Part Number	Type	LED type	Degree
<b>PL 265A25</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25

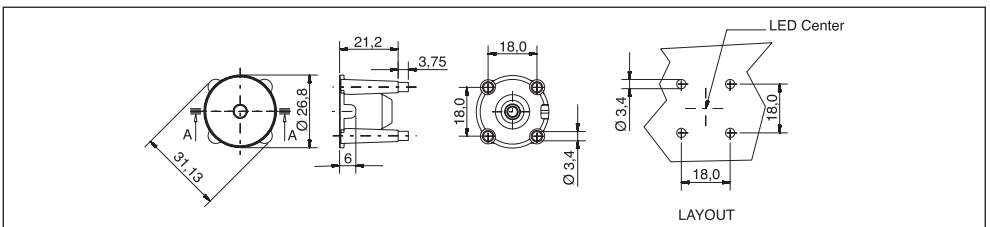


Part Number	Type	LED type	Degree
<b>PL 265A40</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

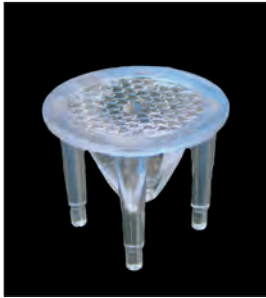


Part Number	Type	LED type	Degree
<b>PL 265A25LSD</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	30

For further information visit our web site: [www.khatod.com](http://www.khatod.com)

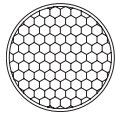
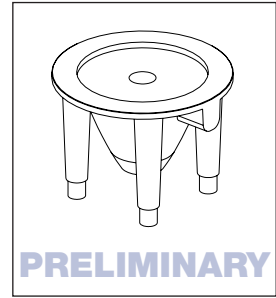


**Lenses for XLAMP<sup>®</sup> LEDs** **PL255A Series**

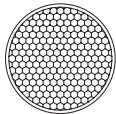


**PL255A Series**

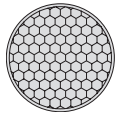
- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ Patent pending
- ▶ Free testing and technical support
- ▶ **Standard MR11**



Part Number	Type	LED type	Degree
<b>PL 255A25</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25



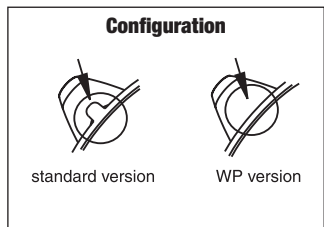
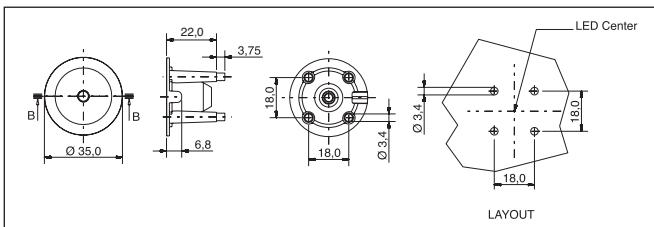
Part Number	Type	LED type	Degree
<b>PL 255A40</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40



Part Number	Type	LED type	Degree
<b>PL 255A25LSD</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	30

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**If you need the lens without peg, you have to add WP at the end of the part number**



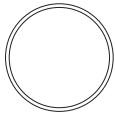
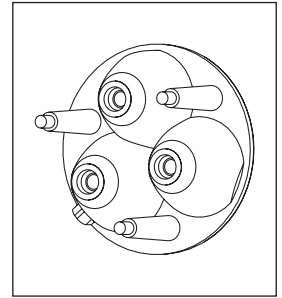
**Triple Lenses for XLAMP<sup>®</sup> LEDs**

**PL353NK Series**

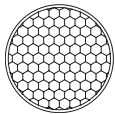


**PL353NK Series**

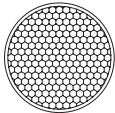
- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ Patent pending
- ▶ Free testing and technical support
- ▶ **Standard MR16**



Part Number	Type	LED type	Degree
<b>PL 35306NK</b>	Narrow Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	10



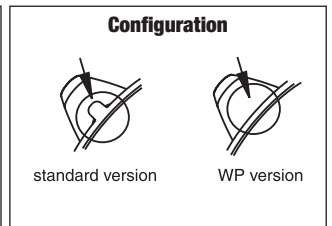
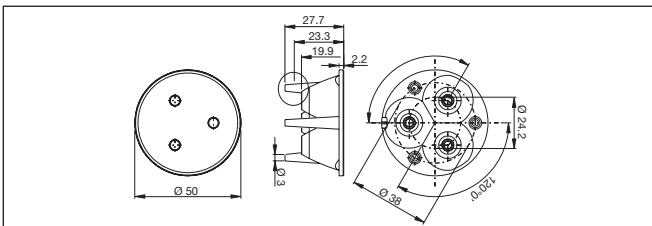
Part Number	Type	LED type	Degree
<b>PL 35325NK</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25



Part Number	Type	LED type	Degree
<b>PL 35340NK</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

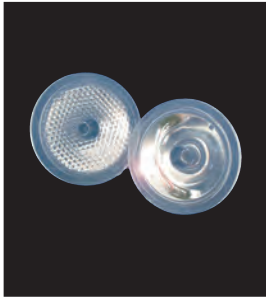
For further information visit our web site: [www.khatod.com](http://www.khatod.com)

**If you need the lens without peg, you have to add WP at the end of the part number**



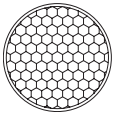
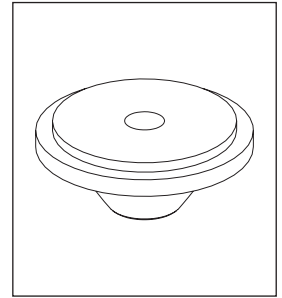
**Lenses for XLAMP<sup>®</sup> LEDs**

**KEPL35 Series**

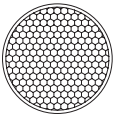


**KEPL35 Series**

- ▶ High efficiency
- ▶ Free testing and technical support
- ▶ **Standard MR11**

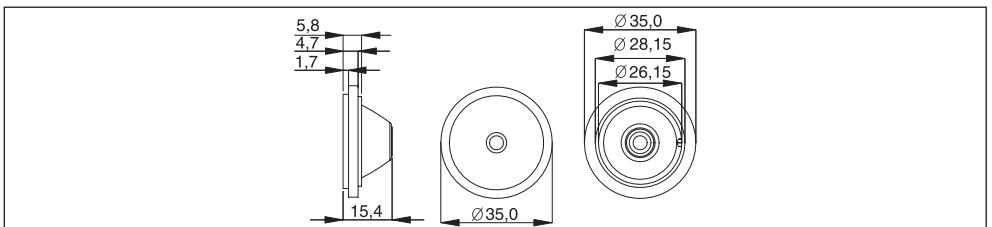


Part Number	Type	LED type	Degree
<b>KEPL 3525</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25



Part Number	Type	LED type	Degree
<b>KEPL 3540</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

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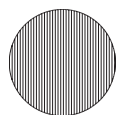
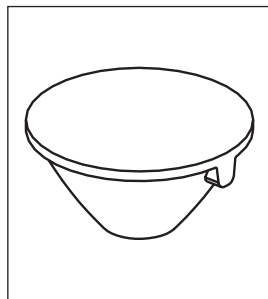
**Lenses for XLAMP<sup>®</sup> LEDs**

**KEPL195 Series**

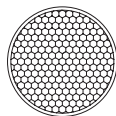


**KEPL195 Series**

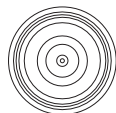
- ▶ Available in different beams
- ▶ High efficiency
- ▶ Collimator lenses are available in 9 colours options



Part Number	Type	LED type	Degree
<b>PL 19540</b>	Elliptical Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	15X90



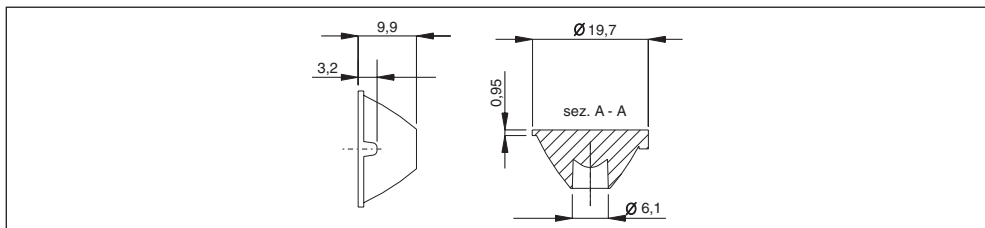
Part Number	Type	LED type	Degree
<b>PL 19540W</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40



Part Number	Type	LED type	Degree
<b>PL 195GD *</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	30

\* this lens is to be used without collimator

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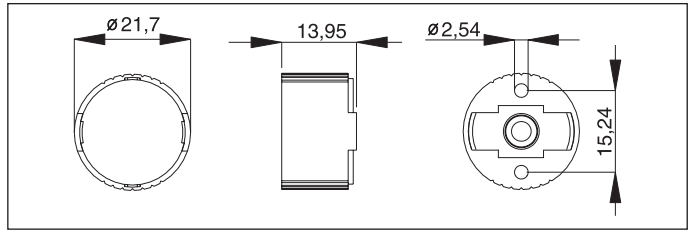
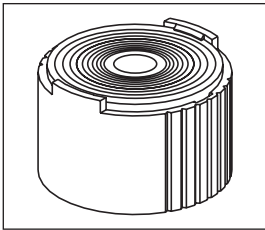


**Lenses for XLAMP<sup>®</sup> LEDs**

**KEPL195 Series**



Part Number	Type	LED type
<b>KE 195</b>	Collimator	XLAMP <sup>®</sup> 7090XR / 7090XR-E



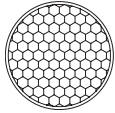
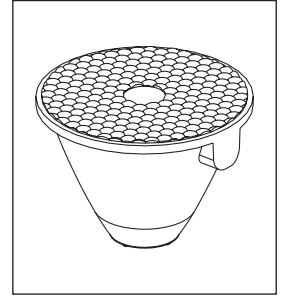
**Lenses for XLAMP<sup>®</sup> LEDs**

**PL270 Series**

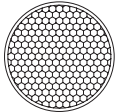


**PL270 Series**

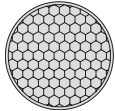
- ▶ Available in different beams
- ▶ High efficiency
- ▶ Free testing and technical support
- ▶ No mould charge on custom lenses



Part Number	Type	LED type	Degree
<b>PL 27025</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25

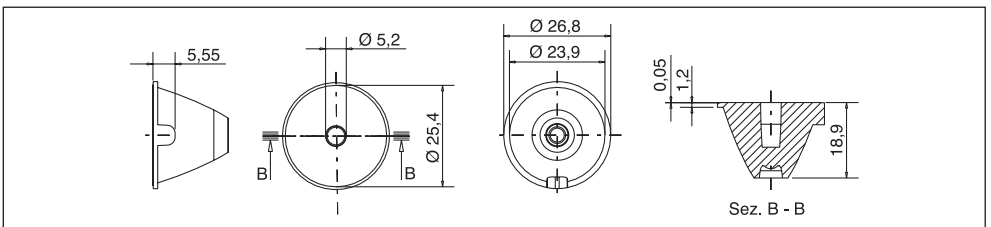


Part Number	Type	LED type	Degree
<b>PL 27040</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40



Part Number	Type	LED type	Degree
<b>PL 27025LSD</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	30

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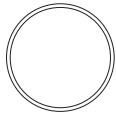
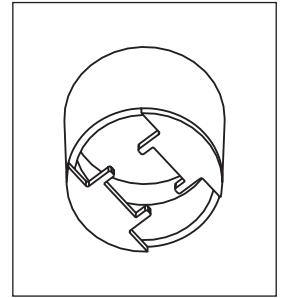
**Lenses for XLAMP<sup>®</sup> LEDs**

**KEPL207090/12XR**



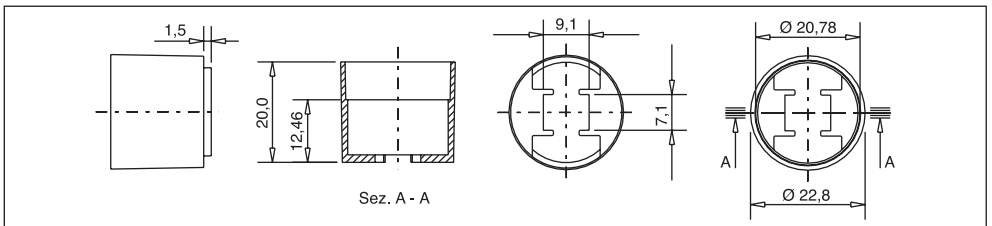
**KEPL207090/12XR**

- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support



Part Number	Type	LED type	Degree
<b>KEPL 207090/12XR</b>	Narrow Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	12

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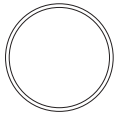
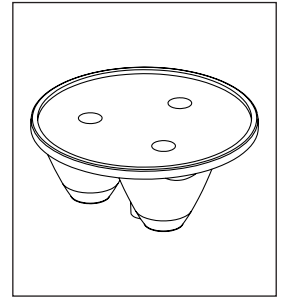
**Triple Lenses for XLAMP<sup>®</sup> LEDs**

**PL35RV Series**

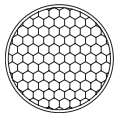


**PL35RV Series**

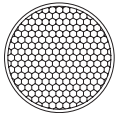
- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support
- ▶ **Standard MR16**



Part Number	Type	LED type	Degree
<b>PL 3506RV</b>	Narrow Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	10



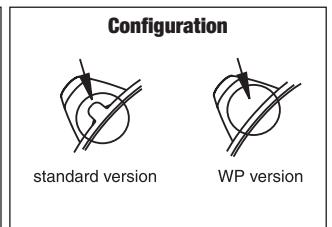
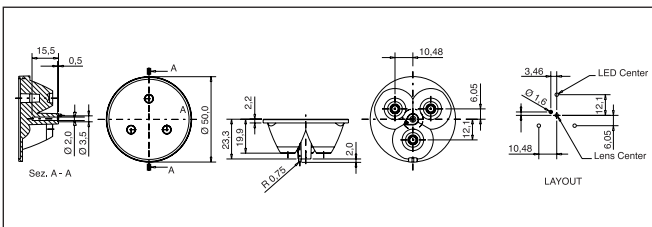
Part Number	Type	LED type	Degree
<b>PL 3525RV</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25



Part Number	Type	LED type	Degree
<b>PL 3540RV</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

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**If you need the lens without peg, you have to add WP at the end of the part number**



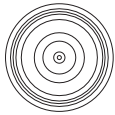
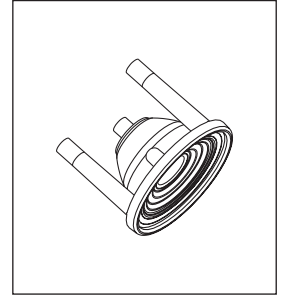
**Lenses for XLAMP<sup>®</sup> LEDs**

**PL597 Series**

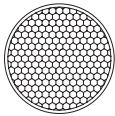


**PL597 Series**

- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support

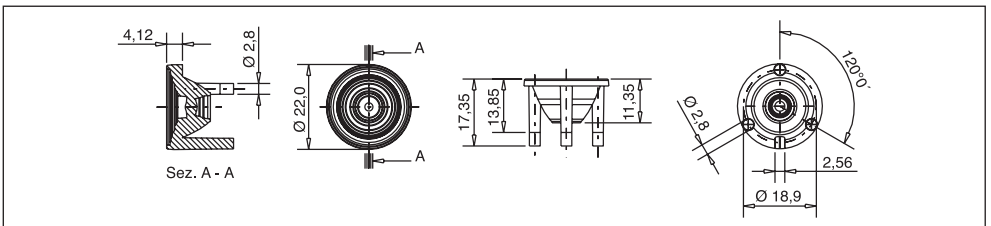


Part Number	Type	LED type	Degree
<b>PL 597GD</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25



Part Number	Type	LED type	Degree
<b>PL 59740</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

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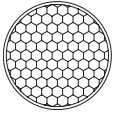
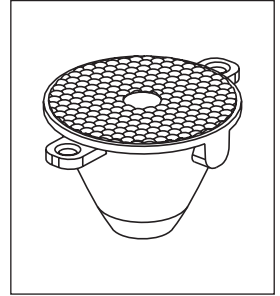
**Lenses for XLAMP<sup>®</sup> LEDs**

**PL5270 Series**

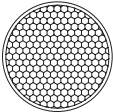


**PL5270 Series**

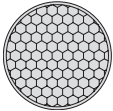
- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support



Part Number	Type	LED type	Degree
<b>PL 527025</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25

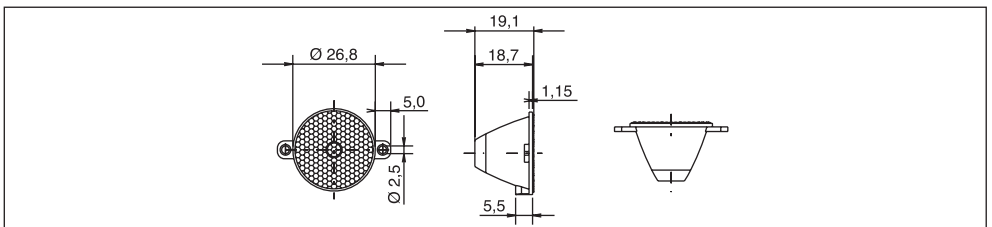


Part Number	Type	LED type	Degree
<b>PL 527040</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40



Part Number	Type	LED type	Degree
<b>PL 527025LSD</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	30

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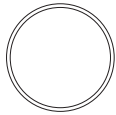
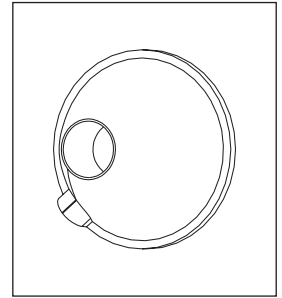
**Lenses for XLAMP® LEDs**

**KEPL1127 Series**

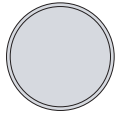


**KEPL1127 Series**

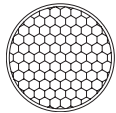
- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support



Part Number	Type	LED type	Degree
<b>PL 112706</b>	Narrow Beam	XLAMP® 7090XR / 7090XR-E	6

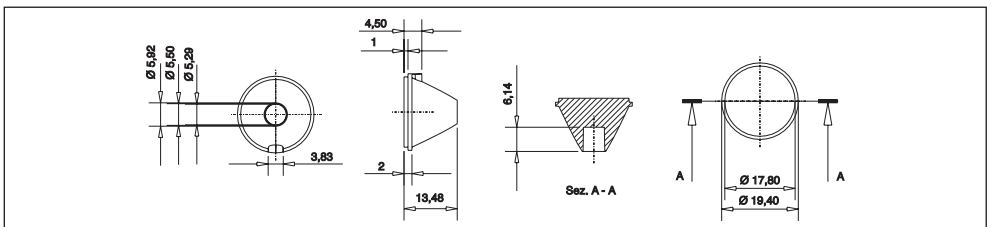


Part Number	Type	LED type	Degree
<b>PL 112725</b>	Medium Beam	XLAMP® 7090XR / 7090XR-E	25



Part Number	Type	LED type	Degree
<b>PL 112740</b>	Wide Beam	XLAMP® 7090XR / 7090XR-E	40

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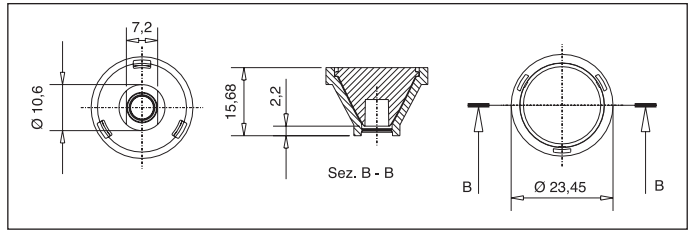
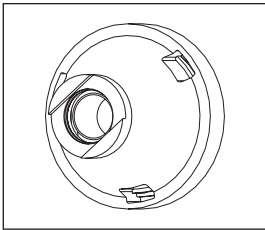


**Lenses for XLAMP<sup>®</sup> LEDs**

**KEPL1127 Series**



Part Number	Type	LED type
<b>KE 1127</b>	Collimator	XLAMP <sup>®</sup> 7090XR / 7090XR-E



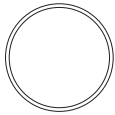
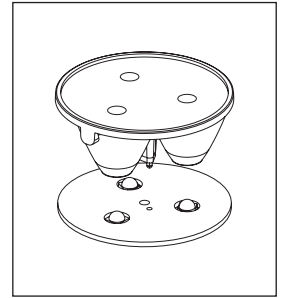
**Triple Lenses for XLAMP<sup>®</sup> LEDs**

**PL35ARV Series**

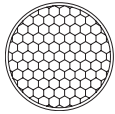


**PL35ARV Series**

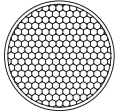
- ▶ NJC™ Technology
- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support
- ▶ Reverse mounting
- ▶ **Standard MR16**



Part Number	Type	LED type	Degree
<b>PL 35A06RV</b>	Narrow Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	10

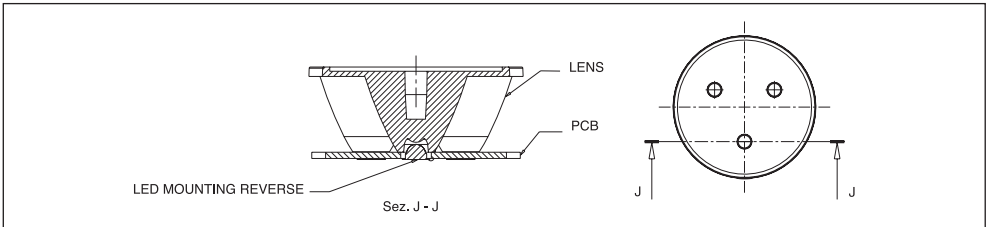


Part Number	Type	LED type	Degree
<b>PL 35A25RV</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25

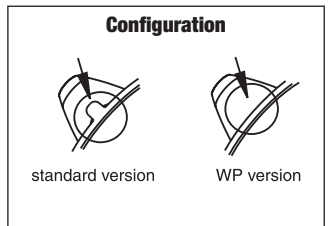
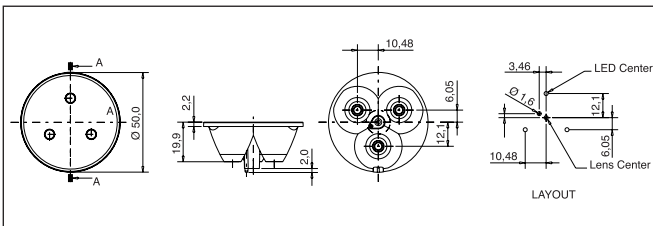


Part Number	Type	LED type	Degree
<b>PL 35A40RV</b>	Wide Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	40

LED and LENS assembly



**If you need the lens without peg, you have to add WP at the end of the part number**



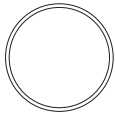
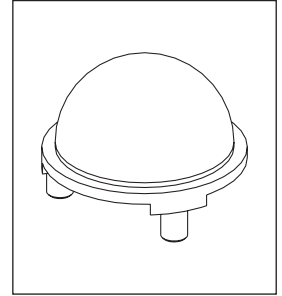
**Lenses for XLAMP<sup>®</sup> LEDs**

**PLJT20**



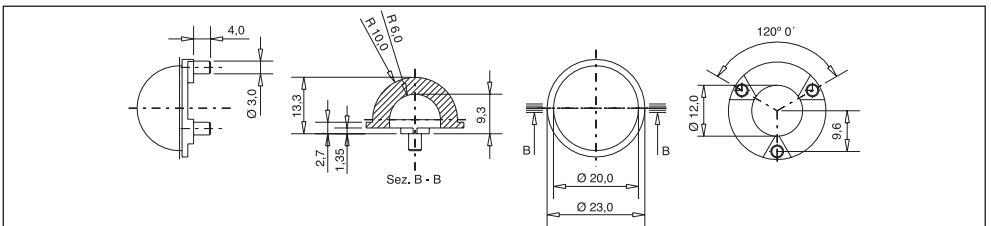
**PLJT20**

- ▶ High efficiency
- ▶ No vibration problems
- ▶ Free testing and technical support



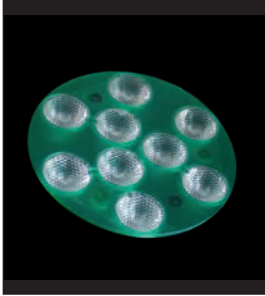
Part Number	Type	LED type	Degree
<b>PL JT20</b>	Light Marker	XLAMP <sup>®</sup> 7090XR / 7090XR-E	360

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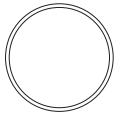
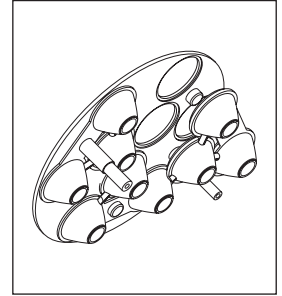
**Lenses for XLAMP<sup>®</sup> LEDs**

**KEPL33391 Series**

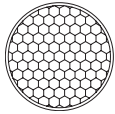


**KEPL33391**

- ▶ High efficiency
- ▶ No vibration problems
- ▶ Standard AR111



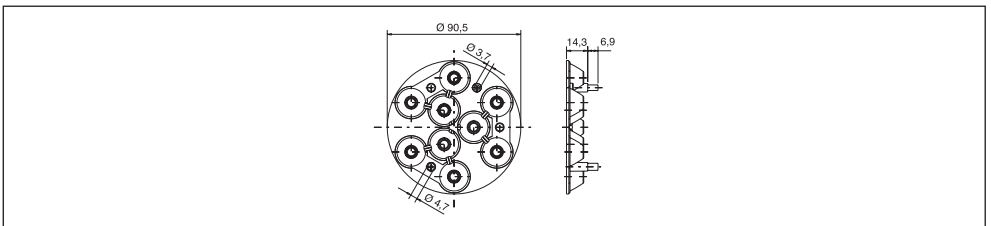
Part Number	Type	LED type	Degree
<b>KEPL 3339106</b>	Narrow Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	10



Part Number	Type	LED type	Degree
<b>KEPL 3339125</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25

**If you need only the lens, replace KEPL with PL only**

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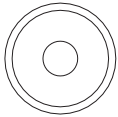
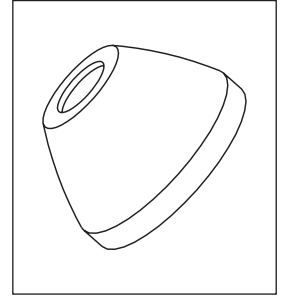
**Reflectors for XLAMP<sup>®</sup> LEDs**

**KCLP17 Series**



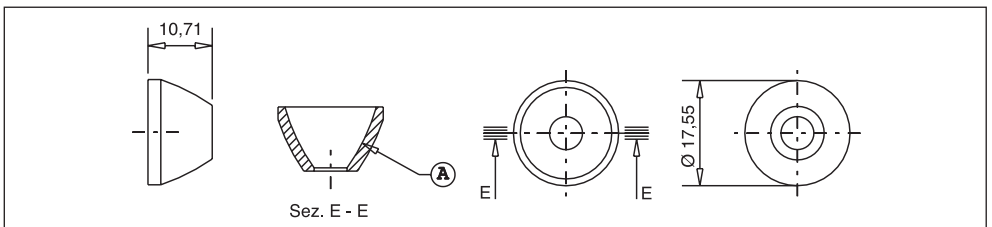
**KCLP17 Series**

- ▶ High efficiency
- ▶ Designed for Lambertian LEDs
- ▶ Embossed surface



Part Number	Type	LED type	Degree
<b>KCLP 17 ST</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	35

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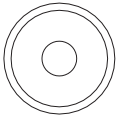
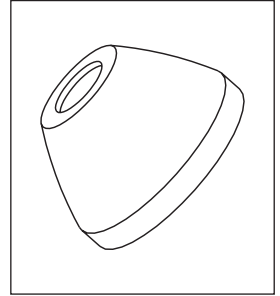
**Reflectors for XLAMP<sup>®</sup> LEDs**

**KCLP20 Series**



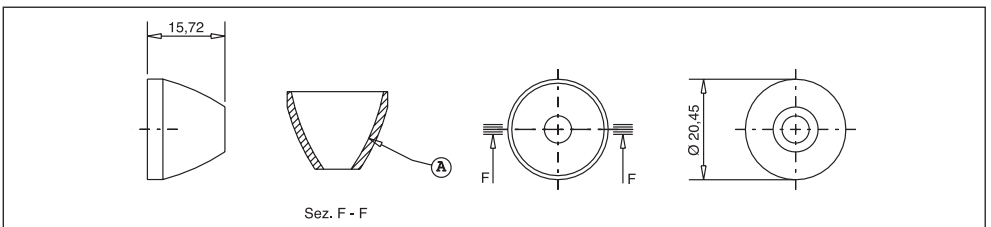
**KCLP20 Series**

- ▶ High efficiency
- ▶ Designed for Lambertian LEDs
- ▶ Embossed surface



Part Number	Type	LED type	Degree
<b>KCLP 20 ST</b>	Medium Beam	XLAMP <sup>®</sup> 7090XR / 7090XR-E	25

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## Khatod Lens Use and Maintenance

- ▶ DO NOT HANDLE OR INSTALL LENSES WITHOUT WEARING GLOVES, SKIN OILS MAY DAMAGE LENS OR LIGHT TRANSMISSION
- ▶ CLEAN LENSES WITH MILD SOAP AND WATER AND A SOFT CLOTH
- ▶ DO NOT USE ANY COMMERCIAL CLEANING SOLVENTS ON LENSES

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Khatod Optoelectronic Srl, Milan, Italy, manufactures lenses for LEDs. Any other use of the lens shall void our liability and warranty. The lenses are an inert component to be used in the manufacture of various products. Our warranty and liability are limited only to the manufacture of the lens. You may not modify, copy, distribute, reproduce, license or alter the lens and related materials of Khatod Optoelectronic Srl. Khatod Optoelectronic Srl does not warrant against damages or defects arising out of the use or misuse of the products; against defects or damage arising from improper installation, or against defects in the product or in its components. No warranty of any kind, expressed or implied, is made regarding the safety of the products. The entire risk as to the quality or performance of the product is with the buyer. In no event shall Khatod Optoelectronic Srl or Khatod USA be liable for any direct, indirect, punitive, incidental, special, consequential damages, or any damages whatsoever arising out of or connected with the use or misuse of the product. Khatod Optoelectronic Srl shall not have any obligation with respect to the product or any part thereof, whether based on contract, tort, strict liability or otherwise. Buyer assumes all risks and liability from use of the product. The laws of Milan, Italy govern this product warranty and liability and you hereby consent to the exclusive jurisdiction and venue of courts in Milan, Italy in all disputes arising out of or relating to the use of this product.