LedLink is one of the suppliers of Arrow lighting optics solution provider. It is an expertise optical solution company which has been recognised by Cree. With integration of in house optical design, mould tooling, and mass production, the performance of LedLink lens is ultilised to meet rapid shift in lighting industry. Lamp manufacturers may adapt our standard products or our customised lenses to design innovative LED fixtures.
In order to facilitate the evaluation process and reduce the developing time and cost of LED street light application, LedLink has developed nine types of street light lenses which are compatible with light various LED manufacturers. These lenses are designed with different assumed conditions of the road and pole arrangements to optimise both the uniformity and the output lux value. Technical data, such as IES files, datasheets or the assumed installed conditions details is available by request.

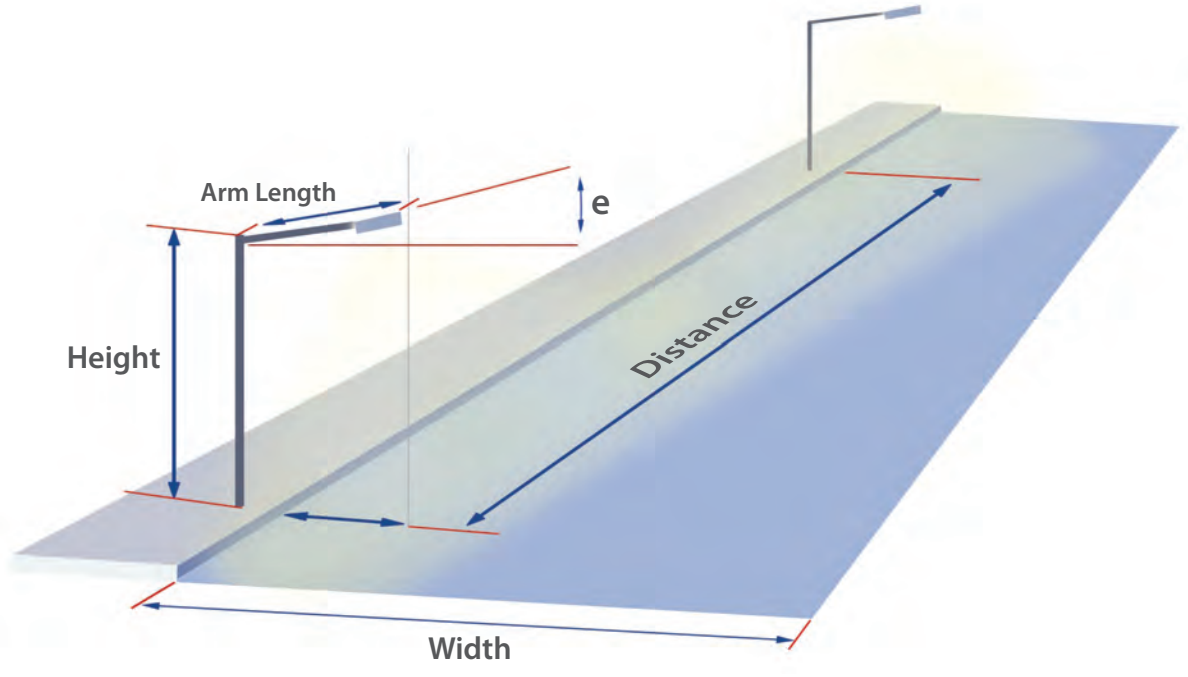
为了降低客户开发LED路灯的时间及成本，雷笛克开发了多种配合不同LED之路灯透镜，在设计这些路灯透镜时，IES档、规格书及以下所列举的道路环境资讯可以提供给我们，我们针对各种可能的道路条件及灯杆配置做优化设计，使透镜效率及均匀度能达到不同的规范。

APPLICATIONS AREA - DESIGN CRITERIA (路灯应用 - 设计要求)

- Installed height of the pole 路灯杆高
- Distance between the poles 路灯杆距
- Arm length 路灯杆臂长度
- Tilt angle 杆臂倾斜角度
- Road width 路宽
- Arrangement of the poles 路灯设置方式

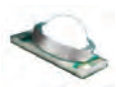
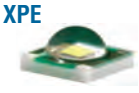
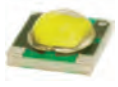
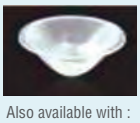
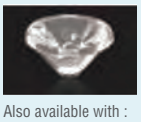
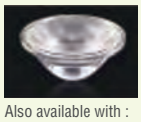
To achieve energy saving, reduce the gap and the differences between traditional light and LED light source in street lamps, using the rectangular beam projected by secondary lenses, the output lum which generated by LEDs can be ultilised and the efficiency can be optimised.

相较於传统路灯，LED路灯除了达到节能效果外，尤其使用我们的二次光学透镜，其发射出的矩形光更能使LED路灯达到最高发光效率及最佳照明效果。



PRODUCTS BY APPLICATION CATEGORIES (产品应用)

- Retrofit lighting application 传统灯泡替换
- Torch 手电筒
- Large area optic for street lamp 路灯
- Stage lighting 舞台照明
- Light bar 灯条
- Tunnel lighting 隧道照明

	Narrow Beam 窄光束	Medium Beam 中光束	Wide Beam 阔光束	Others 其他 (对称/不对称光束)
XRE 	 **LL01CR-AO15L-M2** Degree: 15° D x H: 23.5 x 16mm Also available with : 25°, 40°, 60°, 80°, 25°x40°	 **LL01CR-BR40L** Degree: 40° D x H: 19.6 x 12.5mm Also available with : 30°, 50°, 10°x45°, 15°x50°, 15°x80°, 40°x90°	 **LL06ED-AD60L** Degree: 60° D x H: 73.3 x 13.9mm Also available with : 25°, 40°	 **LL01SH-AU75135L** Symmetrical beam 对称光束 Degree: 75°x135° D x W x H: 24 x 12.6 x 9.3mm  **LL01CR-AU50120L** Symmetrical beam 对称光束 Degree: 50°x120° D x W x H: 21 x 11.8 x 9.4mm
XPC  **XPE** 	 **LL01ZZ-EX10L-M2** Degree: 10° D x H: 22.4 x 9.8mm Also available with : 25°, 40°, 60°, 30°x65°	 **LL01CR-NE40L-M2** Degree: 40° D x H: 23.5 x 15.8mm Also available with : 25°, 60°, 25°x45°	 **LL03CR-RX60L** Degree: 60° D x H: 35 x 8mm Also available with : 4-in-1, 6-in-1, 7-in-1, 9-in-1, 12-in-1 40°	 **LL01CR-OG85150L** Asymmetrical beam 不对称光束 Degree: 85°x150° D x W x H: 18 x 8.9 x 6.1mm  **LL01CR-KM6090L** Symmetrical beam 对称光束 Degree: 60°x90° D x W x H: 17.6 x 11.6 x 8.6mm
XPG  (**PS1)	 **LL01CR-DF25L-M2** Degree: 25° D x H: 13.5 x 7.1mm Also available with : 40°, 60°, 80°, 100°	 **LL01CR-HQ40L-M2** Degree: 40° D x H: 16 x 10.3mm Also available with : 30°, 60°	 **LL03CR-AZ45L** Degree: 45° D x H: 50.5 x 13mm Developing : 25°, 60°	 **LL24CR-AU75135L** Asymmetrical beam 不对称光束 Degree: 75°x135° D x W x H: 120 x 100 x 10.22mm  **LDKPCR-24L3WS4-01** MCPCB is available
MCE 	 **LL01ED-AY10L** Degree: 10° D x H: 43.8 x 24.5mm Also available with : 38°	 **LL01CR-FL25L-M2** Degree: 25° D x H: 24.4 x 12.2mm Also available with : 25°, 40°, 60°, 30°x65°	 **LL01CR-DG30L-M2** Degree: 30° D x H: 32.8 x 18mm Also available with : 40°, 60°	 **LL01ED-AJ60L** Degree: 60° D x H: 28.8 x 19.8mm MCE RGBW colour mixing
MX6 	 **LL01ZZ-FL25L** Degree: 25° D x H: 22 x 10.6mm	 **LL01NI-GR40L-M2** Degree: 40° D x H: 23.6 x 15mm Also available with : 60°, 80°	 **LL03CR-HK60L** Degree: 60° D x H: 35.8 x 8.2mm	 **LL03ED-AF45L** Degree: 45° D x H: 50.5 x 19.6mm Also available with : 10°, 30°, 60°
XML 	 **LL01ED-AK25L** Degree: 25° D x H: 34.6 x 18.7mm Also available with : 40°	 **LL01ED-CY30L** Degree: 30° D x H: 26.8 x 20.6mm Also available with : 45°	 **LL01CR-SQ60L-M2** Degree: 60° D x H: 21 x 13.9mm Developing : 25°, 40°, 80°, 30°x65°	 **Coming Soon** Asymmetrical beam 不对称光束 D x W x H: 32 x 17.6 x 10mm
MPL 	 **LL01ED-AY38L** Degree: 38° D x H: 43.8 x 24.5mm Also available with : 10°	 **LL01ED-IH60L** Degree: 60° D x H: 87 x 44.25mm	 **LL01CR-PV80L** Degree: 80° D x H: 45 x 23.6mm Also available with : 60°	

PS1**XPC/XPE/XPG beam pattern is compatible but the beam angle is different. The beam angle is tested based on XPE. 以上光束角度以XPE测试结果为准。

** IES file, datasheets are available by request. 客户可索取IES档案及规格书。

1. Customisation Process and Time

a. To define the light source (LED type)
b. To define the beam angle (full angle view)
c. To define the mechanical design
d. The optical simulation time is two weeks after above details confirmed
e. T1 sample will be available within 30 days after our client confirms our provided simulation report
f. Total developing period is around 30 to 45 days, depending on the situation

2. Lead Time

Normally our lead time for mass production product is three weeks

1. 个别开发项目流程及需时

a. 定义LED厂牌以及型号
b. 定义角度(90%光强度全角或是50%光强度半角)
c. 定义机构设计
d. 在客户模具定金50%确认後两周内提供光学模拟报告
e. 第一次试模样品在光学模拟报告确认内30天可提供
f. 总开发时间为30到45天，但可依照客户的需求来作调整

2. 需時

交貨期一般需時三週

* For any inquiry, please contact your local Arrow Distributor, or email to lighting@arrowasia.com.
如欲查询产品资料，请联系艾睿电子，或联络lighting@arrowasia.com。