Data Sheet
LL01CR-BZT80140L83-Mx

CREE
▶ LED Solution Provider *CXA15xx*

Similar Products(Brightness Uniformity, Assymmetry, Elevation needed)

■ Features & Typical Applications

- High efficiency
- Optimized Uniformity
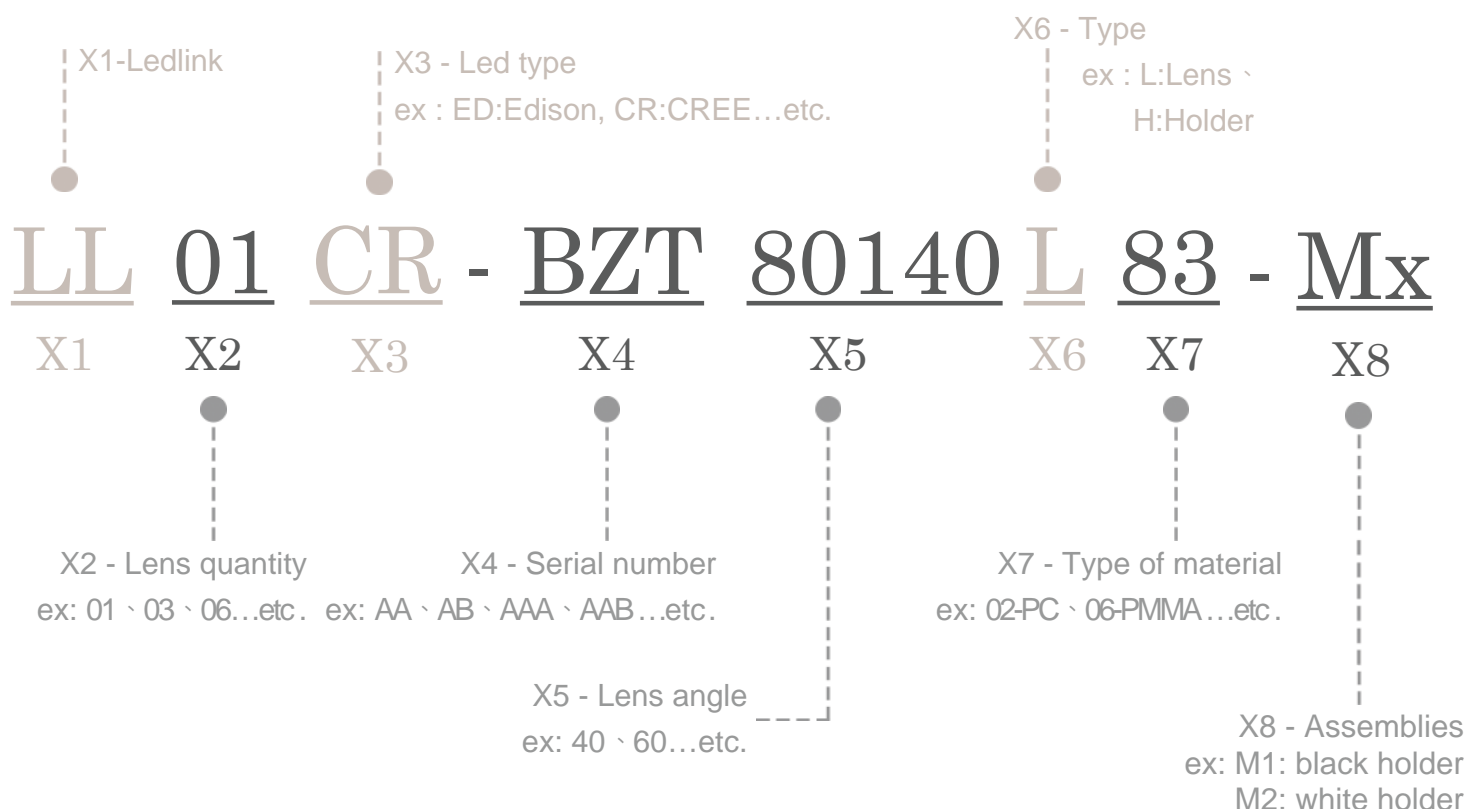- Roadway Lighting
- Lens with Holder

■ Table of Contents

LL01CR-BZT80140L83-Mx

■ General Information

- Lens Material : Silicone MS1002
- Holder Material : (Black)PBT-G15V0/(White)PBT4815
- Operating Temperature range -40℃~+200℃(upper limit +220℃).
- Storage Temperature range -40℃~+200℃(upper limit +220℃).
  * Average transmittance in visible spectrum 400nm~700nm>90%.

- Usage and Maintenance:
  1. If necessary, clean lenses with mild soap, water and soft cloth.
  2. Never use any commercial cleaning solvents on lenses, like alcohol.
  3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.

■ Product Nomenclature

X1-Ledlink

X3 - Led type
ex : ED:Edison, CR:CREE…etc.

X6 - Type
ex : L:Lens、
H:Holder

LL	01	CR	-	BZT	80140	L	83	-	Mx
X1	X2	X3		X4	X5	X6	X7		X8

X2 - Lens quantity
ex: 01、03、06…etc.

X4 - Serial number
ex: AA、AB、AAA、AAB…etc.

X5 - Lens angle
ex: 40、60…etc.

X7 - Type of material
ex: 02-PC、06-PMMA…etc.

X8 - Assemblies
ex: M1: black holder
M2: white holder

Downloaded from Arrow.com.

LL01CR-BZT80140L83-Mx
Optical Specifications

CREE
▶ **LED Solution Provider**
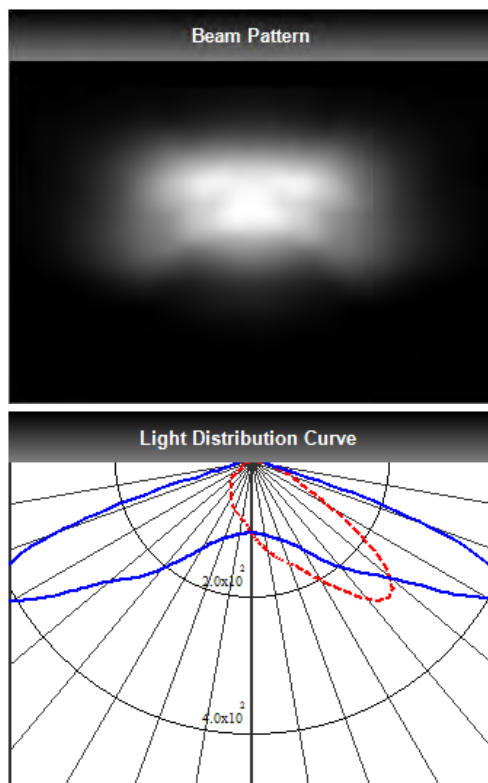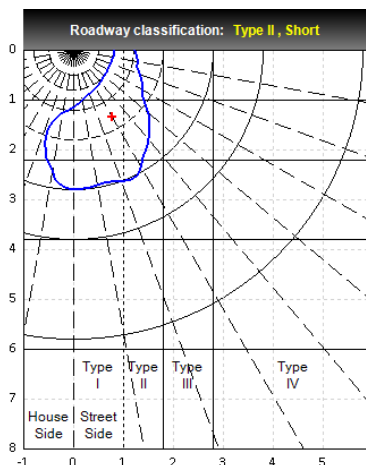
CXA15xx

Note: (1) All the results of analysis are based on 15 degrees of elevation.
(2) Tolerance: ±10%.
(3) Led Luminous Flux(lm): 815(±5%).

IES File: Download

@elevation 15°

Beam Pattern
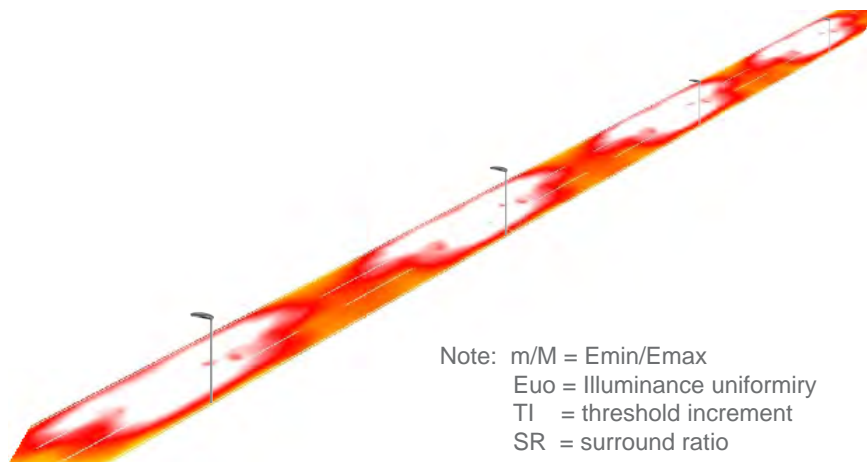

Light Distribution Curve

--- C0:0-180 — C1:90-270

Roadway classification: **Type II , Short**

Elevation	Roadway Classification
0°	Type I , Short
5°	Type II , Short
10°	Type II , Short
15°	Type II , Short
20°	Type III , Short

DIALux Simulation Result

Analyzed file: Download

Note: m/M = Emin/Emax
Euo = Illuminance uniformiry
TI = threshold increment
SR = surround ratio

Recommend configuration condition		
Height	=	10m
Distance	=	35m
Roadwidth	=	10.5m
Elevation	=	15degree
Overhang	=	1m

Result		
m/M	=	0.7
Euo	=	0.8
TI	=	13%
SR	=	0.6

*The results would be similar if the configuration conditions are equally magnified or minified.

***This testing result is obtained through testing the popular rank LED samples which provided by the original manufacturer.**
Hence, the testing results would be varied as the users choose same LED model but different rank.
***The analyzed file reqire DIALux v4.12 and above to open.**

3

LL01CR-BZT80140L83-Mx
Mechanical Specification

Note: (1)All dimensions are in mm.
(2)All measurements are ± 0.15 mm unless otherwise indicated.

1.Fixing method

☐ Glue   ■ Screw   ☐ Tape   ☐ Fixing-ring   ■ Frame
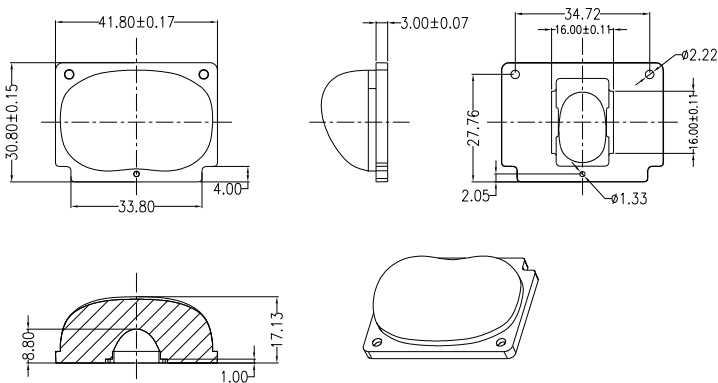
2.Lens dimension

3. Lens + Holder + Leds assembly instruction

4.Assembly dimension
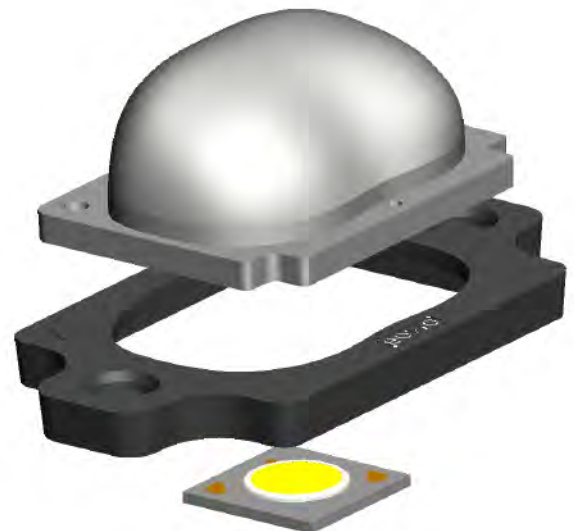
Holder part number：LL01CRTP80140Hx
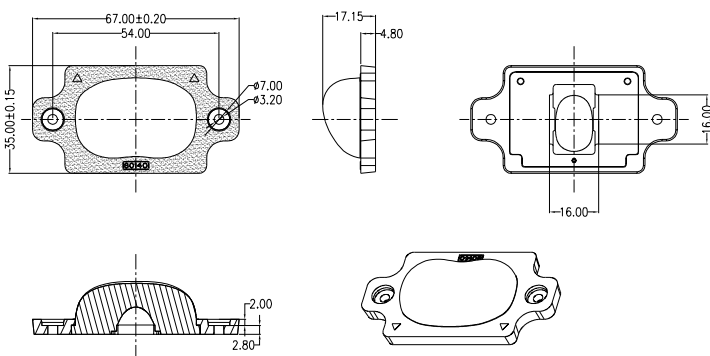
5. View assembly lens with LED:

4