Features & Application

- ♦ High lighting efficiency
- ♦ Optimized for uniform effects
- ♦ TV Back light lens
- ♦ Indoor Lighting
- ♦ Decorating Light
- ♦ Glare Free

- ♦ Extremely luminous flux
- ♦ Soft wide beam with good illuminance uniformity
- ♦ Easy fixing system to the PCB
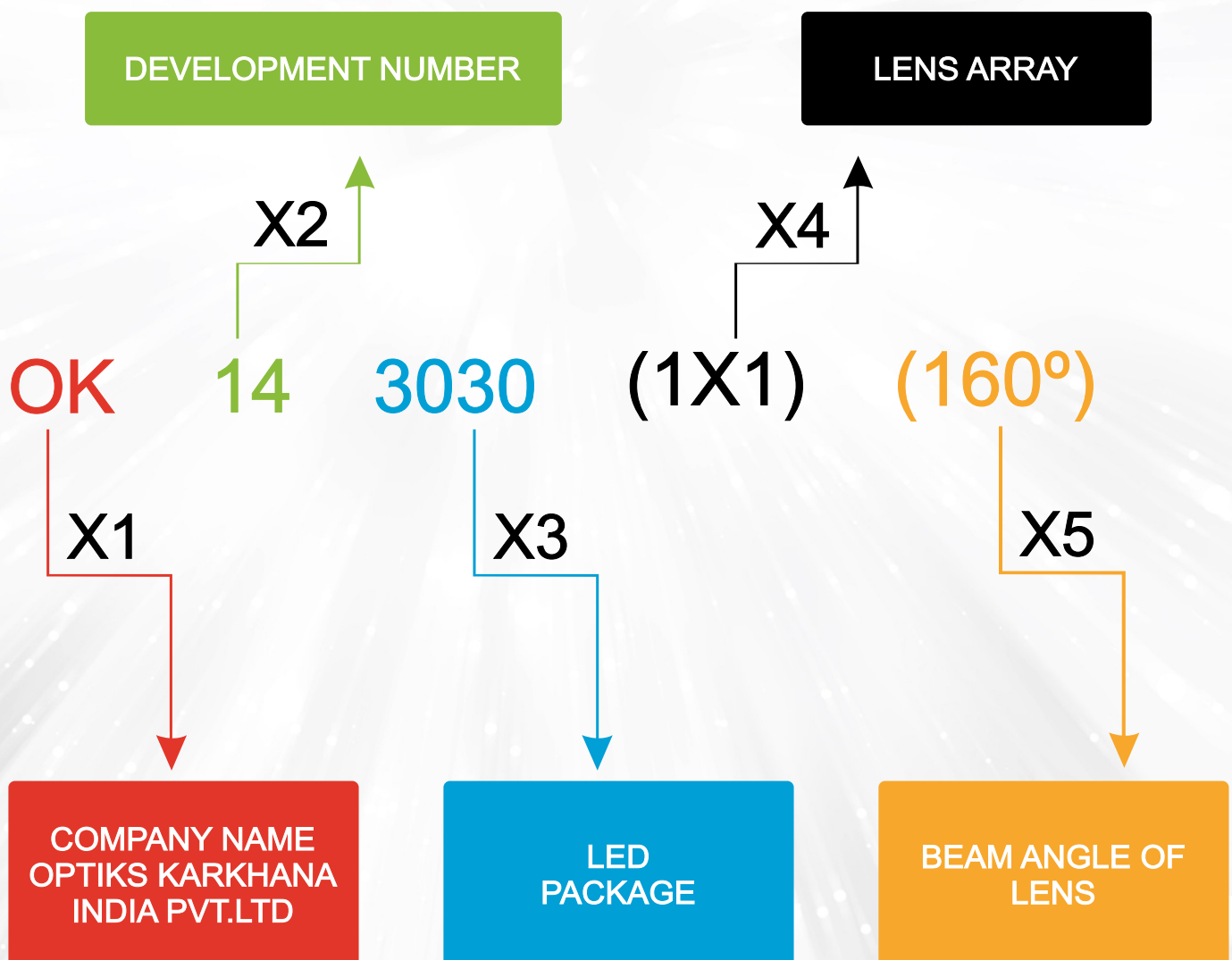- ♦ Complying with UL94 Specifications
- ♦ UV protected

Table of Contents

OPTIKS
MECHATRONICS

♦ Type V Lens for TV Back Light Application.

♦ Operating Temperature range -40°C ˜+110°C (upper limit +130°C)

♦ Storage Temperature range -40°C˜+110°C (upper limit +130°C)

♦ Average transmittance in visible spectrum 400nm~700nm>90%

PRODUCT NOMENCLATURE

| DEVELOPMENT NUMBER | | LENS ARRAY |

X2   X4

OK   14   3030   (1X1)   (160º)

X1   X3   X5

| COMPANY NAME OPTIKS KARKHANA INDIA PVT.LTD | LED PACKAGE | BEAM ANGLE OF LENS |

SEOUL
**SEOUL SEMICONDUCTOR** 3030

OSRAM
Opto Semiconductors 3030

MATERIAL SPECIFICATION

♦ Lens Material : Optical Grade PC (Bayer 2407)

♦ Luminous transmittance : 89 to 90% (ISO 13468-2/ASTM D1003)

♦ Refractive index : 1.584 (ISO 489/ASTM D542)

♦ Flammability : HB/V-0 (Ul94)

♦ Colour : Clear

OPTICAL SPECIFICATION

Note: (1) All the results of analysis are based on 0 degrees of elevation.
(2) Tolerance: ±10%.

Beam Angle
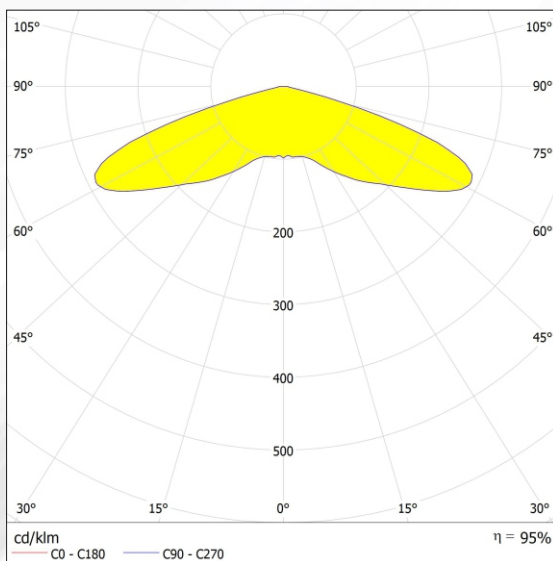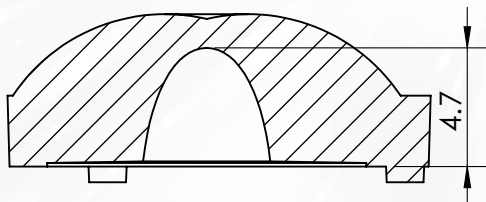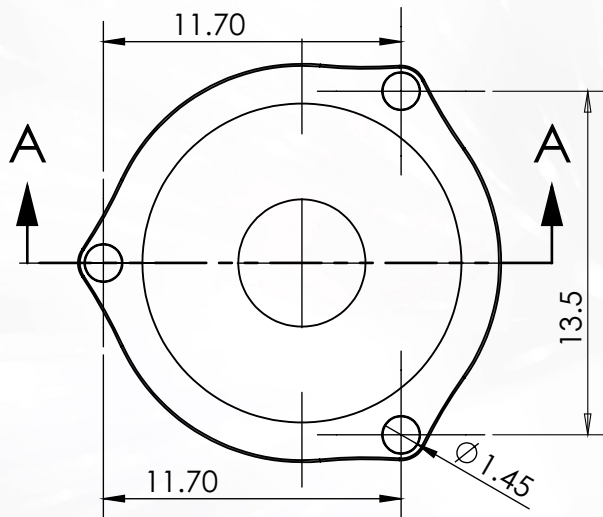

Beam Pattern

MECHANICAL SPECIFICATION

Note:
1. Unit measurement: mm
2. General tolerance: ±0.2mm
3. Protruding of the gate from the side surface: less than 0.3mm

FASTENING

☑ Glue   Screw   Tape   ☑ Fixing-ring   ☑ Frame

LENS DIMENSION

SECTION A-A

LED+LENS ASSEMBLY INSTRUCTION
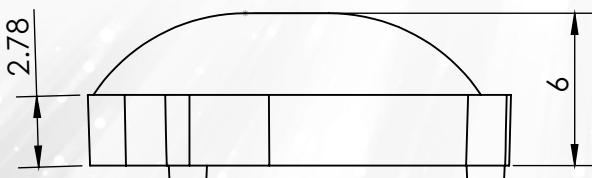
USAGE AND MAINTENANCE

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.