

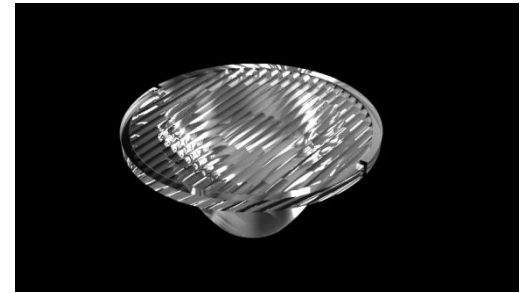


Product Model Number

CKO-SA15-075033-4007

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

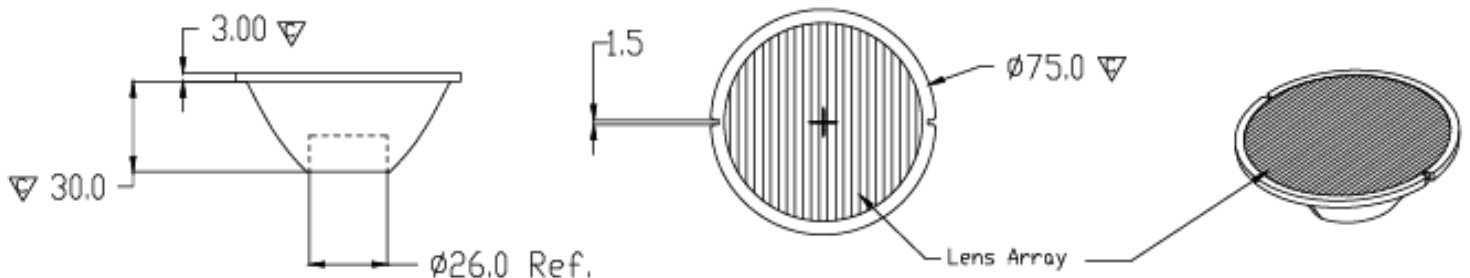


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- C. Identity Code
- D. Lens / Fixture Size
Ex: 075026=Φ75mm / Thickness=26mm (round up)
- E. Serial Numbers

The lens datasheet is applicable for **Philips LED**, that manufactured by Chun Kuang Optics Corp.

✓ Dimensions (mm) : Φ75 x 33



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

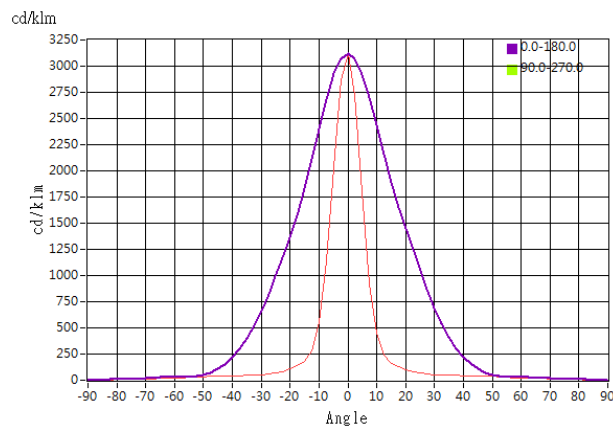
| Philips | LED LES (mm) | FWHM (degrees) | Field Angle (degrees) |
|-------------------------------|--------------|----------------|-----------------------|
| Fortimo SLM 1203 L09 G6 | Φ9 | 11°x34° | 22°x71° |
| Fortimo SLM 1203 L09 G6_DL | Φ9 | 12°x36° | 24°x74° |
| Fortimo SLM 1203 L09 G6_PI | Φ9 | 12°x36° | 24°x74° |
| Fortimo SLM PW 1204 L09 G7 | Φ9 | 11°x31° | 23°x63° |
| Fortimo SLM 1203 L09 G7N | Φ9.8 | 13°x35° | 26°x72° |
| Fortimo SLM 1205 L13 G7 | Φ13 | 17°x38° | 32°x75° |
| Fortimo SLM PW 1205 L13 G6 | Φ13 | 17°x38° | 34°x75° |
| Fortimo SLM PW 1205 L13 G6_DL | Φ13 | 17°x38° | 33°x75° |
| Fortimo SLM PW 1205 L13 G6_PI | Φ13 | 17°x38° | 33°x75° |
| Fortimo SLM 1205 L15 G7N | Φ14.5 | 18°x37° | 35°x74° |
| Fortimo SLM 1206 L15 G7N | Φ14.5 | 18°x38° | 36°x74° |
| Fortimo SLM 1208 L15 G7N | Φ14.5 | 18°x37° | 36°x74° |
| Fortimo SLM 1208 L15 G7 | Φ15 | 18°x39° | 37°x76° |
| Fortimo SLM 1208 L15 G6 | Φ15 | 18°x39° | 37°x77° |
| Fortimo SLM 1208 L15 G6_DL | Φ15 | 19°x39° | 37°x76° |
| Fortimo SLM 1208 L15 G6_PI | Φ15 | 19°x39° | 37°x76° |
| Fortimo SLM 1211 L19 G6 | Φ19 | 24°x39° | 49°x78° |
| Fortimo SLM 1211 L19 G6_DL | Φ19 | 24°x41° | 47°x80° |
| Fortimo SLM 1211 L19 G6_PI | Φ19 | 24°x41° | 47°x80° |
| | | | |
| | | | |
| | | | |



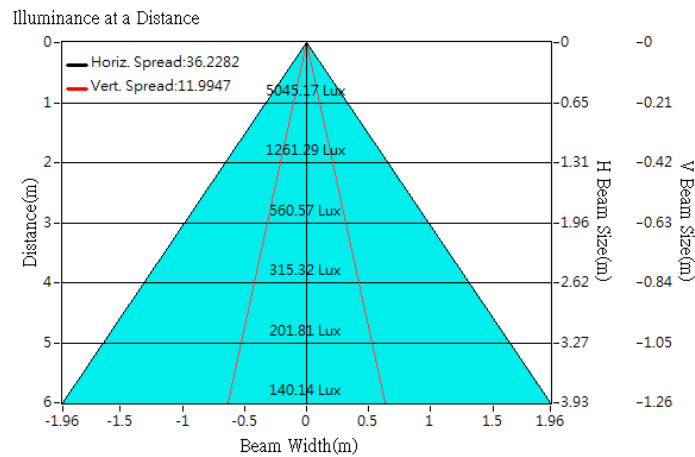
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM 1203 L09 G6 | | |
| LES / LED Size | Φ 9 mm | | |
| FWHM (D50) | 11°x36° | | |
| Field Angle (D10) | 24°x74° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 1615 lm | Measured @ 10.5 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

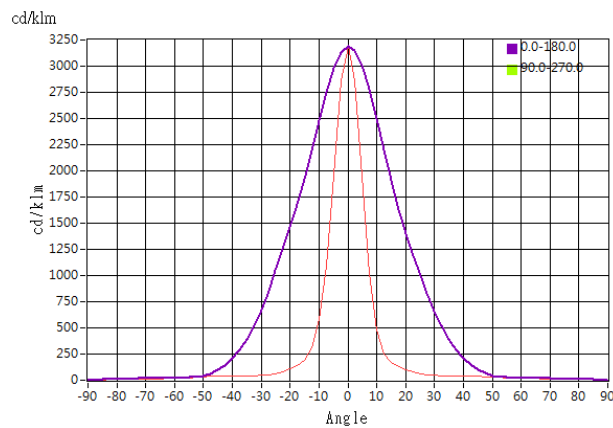




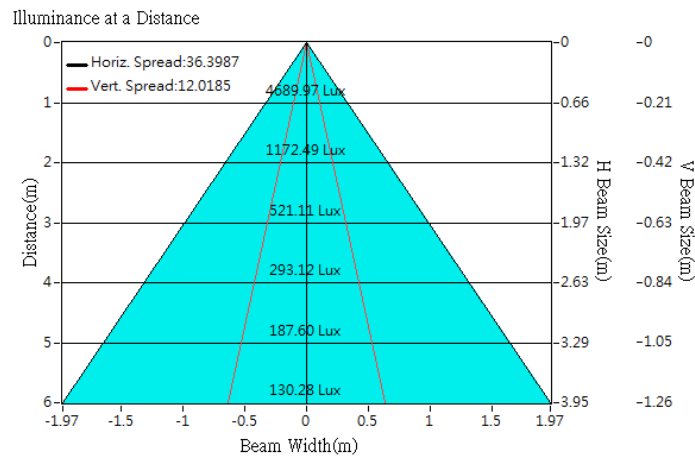
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1203 L09 1619 G6_DL | | |
| LES / LED Size | Φ 9 mm | | |
| FWHM (D50) | 12°x36° | | |
| Field Angle (D10) | 24°x74° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 1472 lm | Measured @ 10.5 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

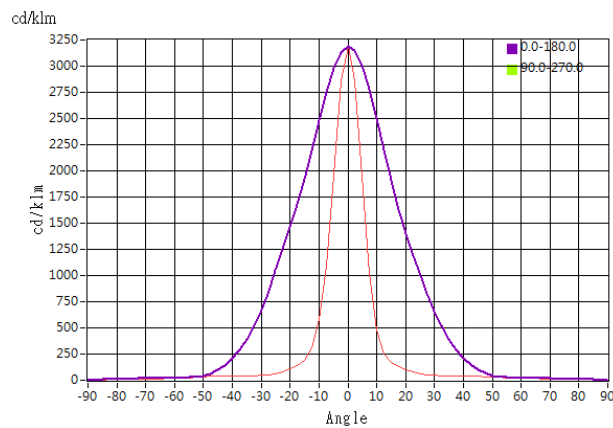




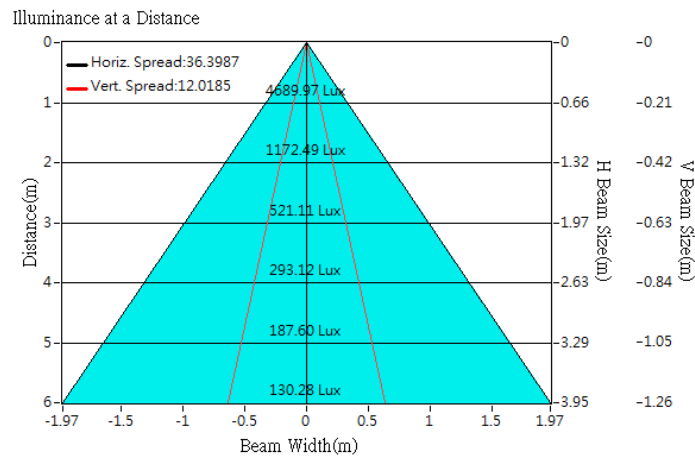
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM C 1203 L09 1619 G6_PI | | |
| LES / LED Size | Φ 9 mm | | |
| FWHM (D50) | 12°x36° | | |
| Field Angle (D10) | 24°x74° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 1472 lm | Measured @ 10.5 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

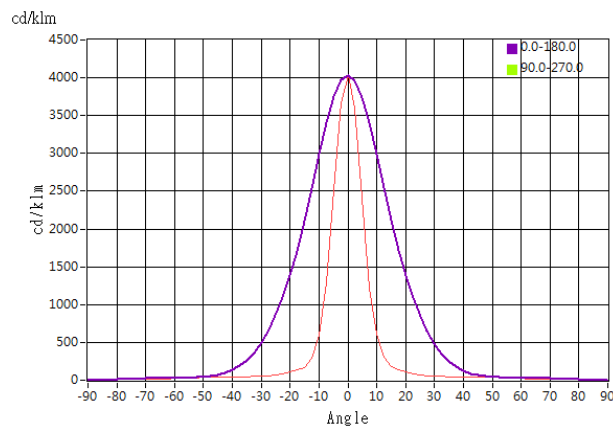




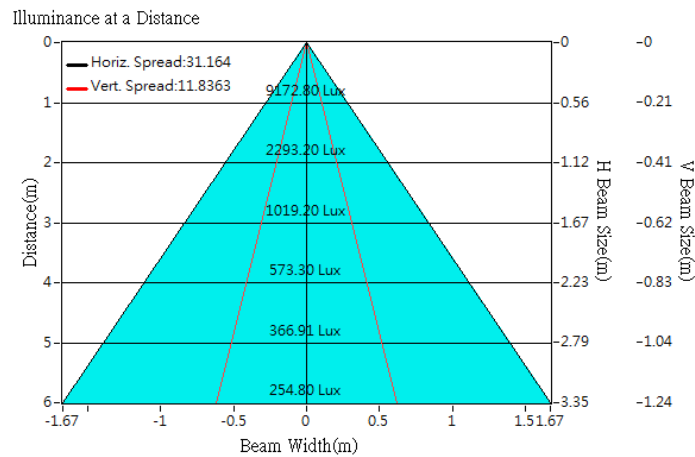
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM PW 1204 L09 G7 | | |
| LES / LED Size | Φ 9 mm | | |
| FWHM (D50) | 11°x31° | | |
| Field Angle (D10) | 23°x63° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2274 lm | Measured @ 21.6 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

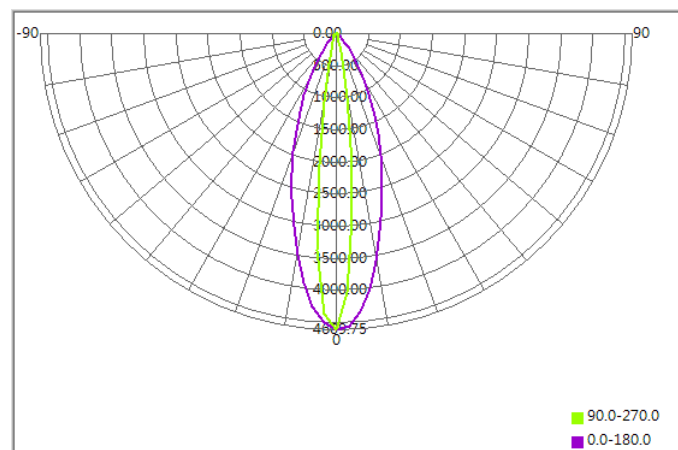




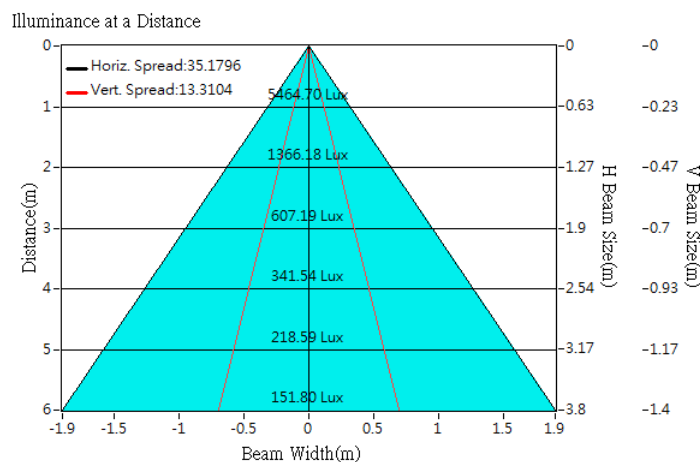
Optical Characteristics

| | | | |
|-------------------|----------------------------|------------------|--|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> <p>LES CoB</p> |
| LED | Fortimo SLM 1203 L09 G7N | | |
| LES / LED Size | Φ 9.8 mm | | |
| FWHM (D50) | 13°x35° | | |
| Field Angle (D10) | 26°x72° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33 mm | | |
| Luminous Flux | 1185 lm | Measured @ 9.2 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

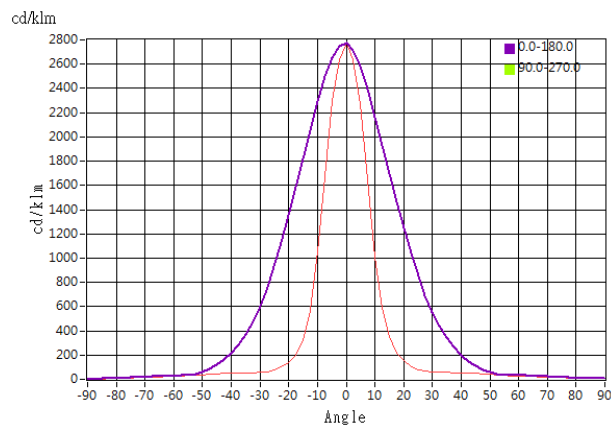




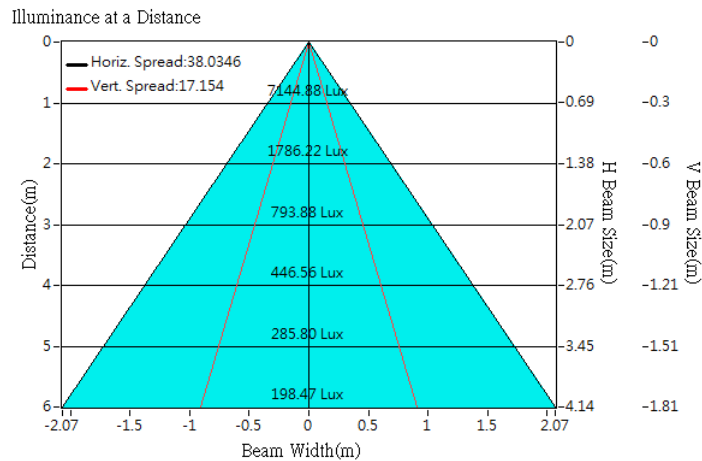
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM 1205 L13 G7 | | |
| LES / LED Size | Φ 13 mm | | |
| FWHM (D50) | 17°x38° | | |
| Field Angle (D10) | 32°x75° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2575 lm | Measured @ 17.6 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

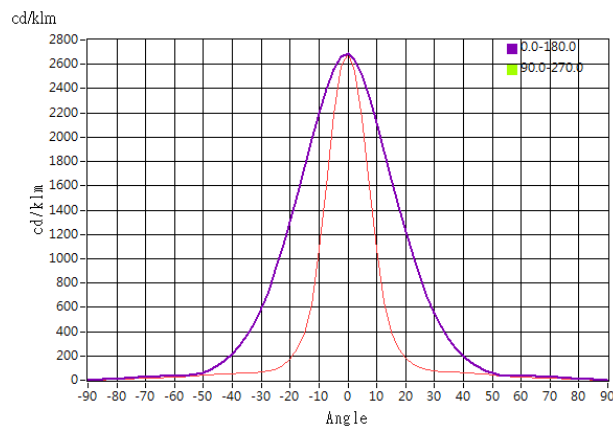




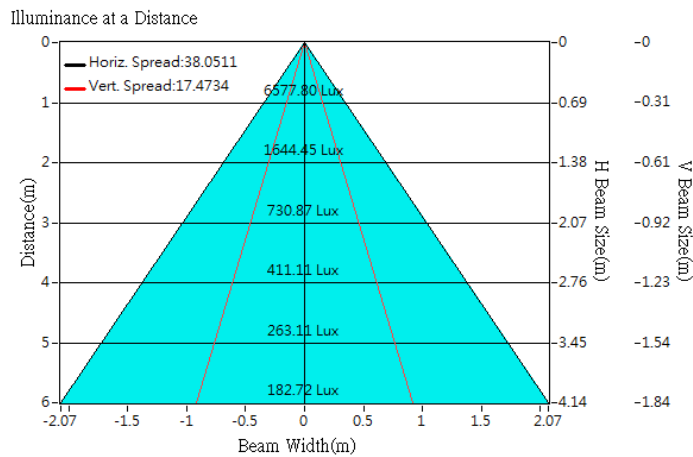
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM 1205 L13 G6 | | |
| LES / LED Size | Φ 13 mm | | |
| FWHM (D50) | 17°x38° | | |
| Field Angle (D10) | 34°x75° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2449 lm | Measured @ 17.5 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

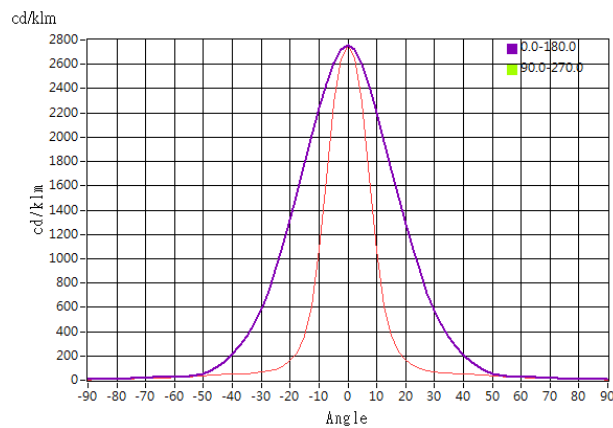




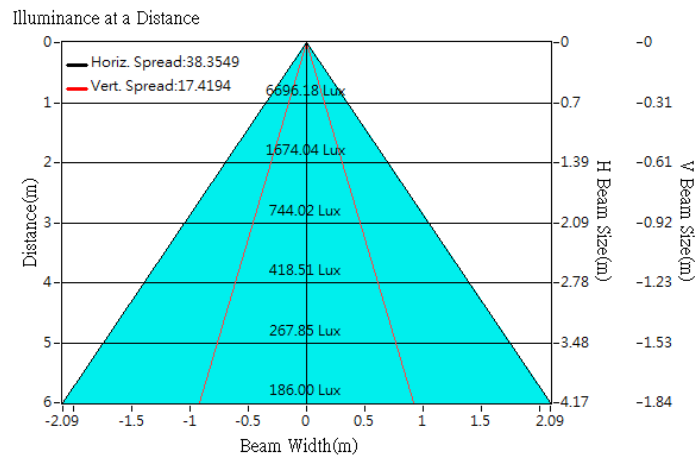
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1205 L13 2024 G6_DL | | |
| LES / LED Size | Φ 13 mm | | |
| FWHM (D50) | 17°x38° | | |
| Field Angle (D10) | 33°x75° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2432 lm | Measured @ 17.4 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

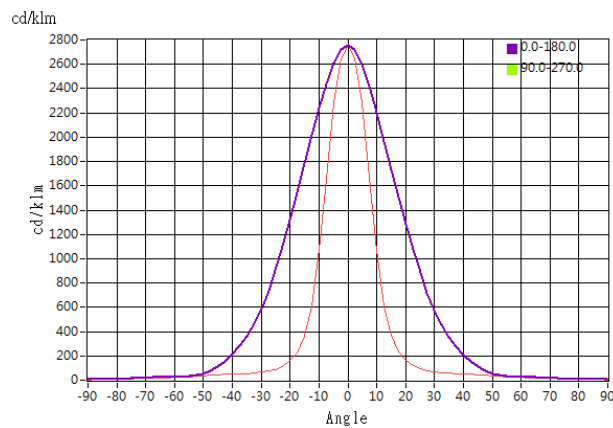




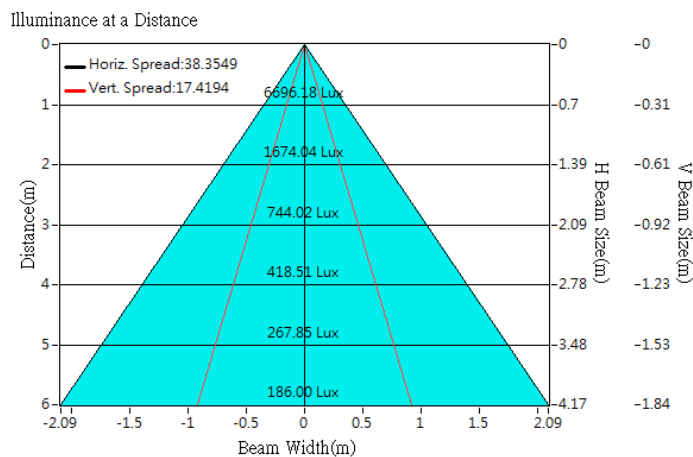
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1205 L13 2024 G6_PI | | |
| LES / LED Size | Φ 13 mm | | |
| FWHM (D50) | 17°x38° | | |
| Field Angle (D10) | 33°x75° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2432 lm | Measured @ 17.4 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

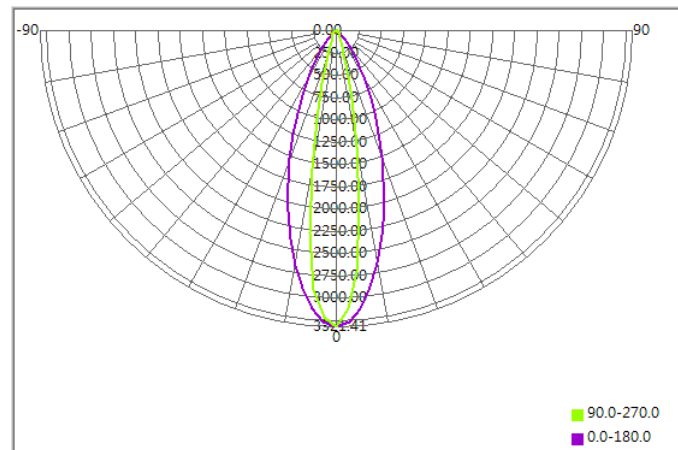




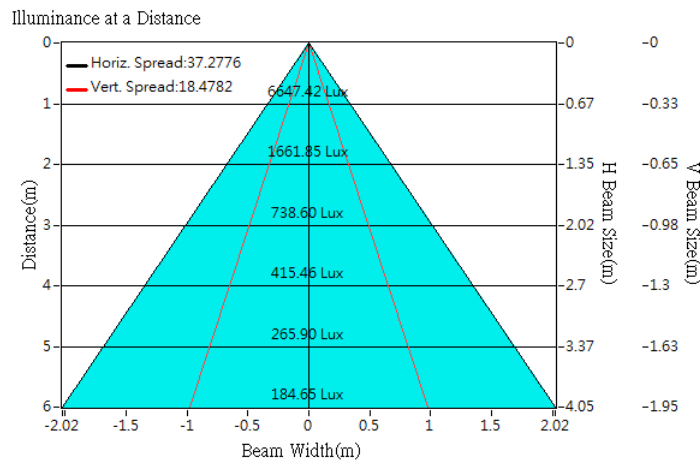
Optical Characteristics

| | | | |
|-------------------|----------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM 1205 L15 G7N | | |
| LES / LED Size | Φ 14.5 mm | | |
| FWHM (D50) | 18°x37° | | |
| Field Angle (D10) | 35°x74° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33 mm | | |
| Luminous Flux | 2001 lm | Measured @ 15.3 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

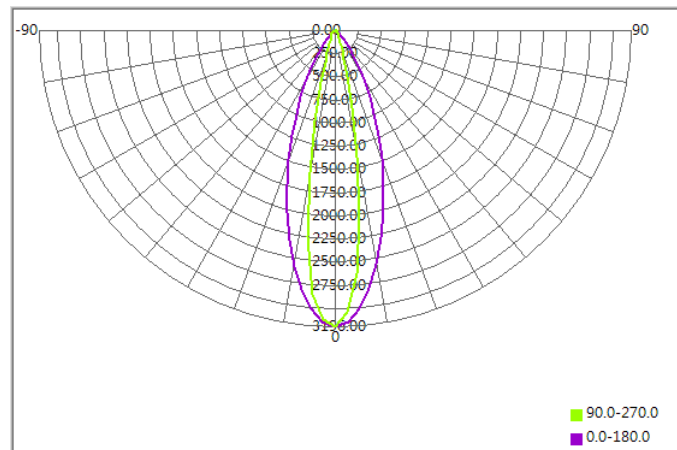




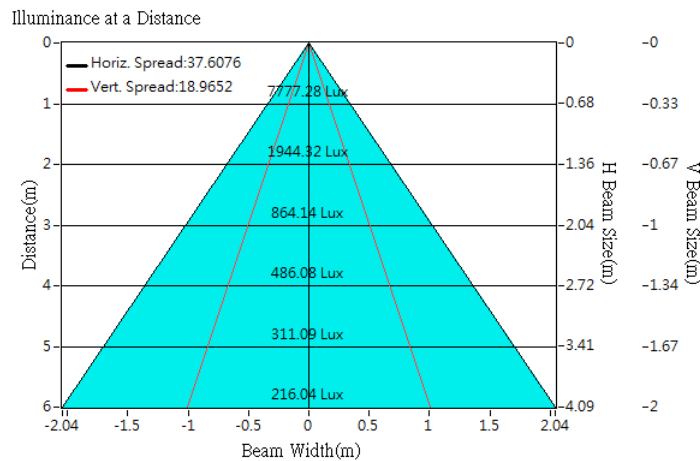
Optical Characteristics

| | | | |
|-------------------|----------------------------|-----------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM 1206 L15 G7N | | |
| LES / LED Size | Φ 14.5 mm | | |
| FWHM (D50) | 18°x38° | | |
| Field Angle (D10) | 36°x74° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33 mm | | |
| Luminous Flux | 2433 lm | Measured @18.4W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

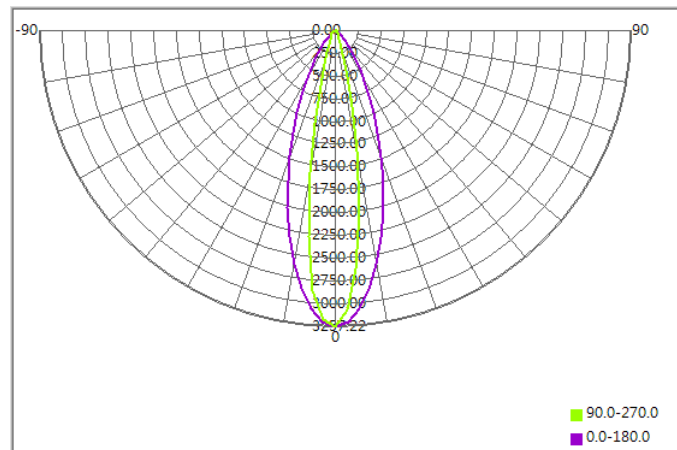




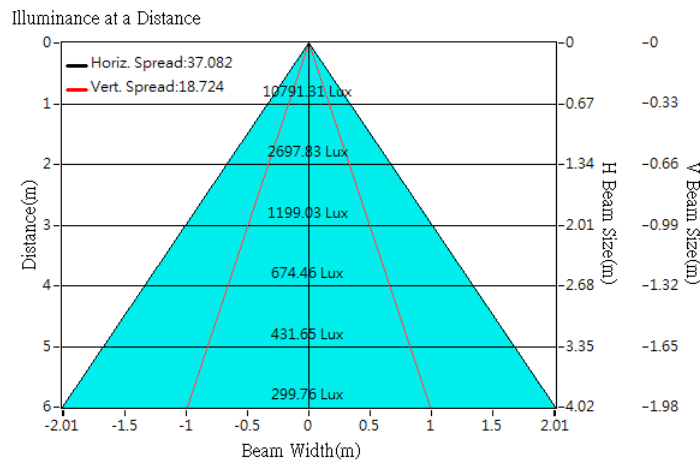
Optical Characteristics

| | | | |
|-------------------|----------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM 1208 L15 G7N | | |
| LES / LED Size | Φ 14.5 mm | | |
| FWHM (D50) | 18°x37° | | |
| Field Angle (D10) | 36°x74° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33 mm | | |
| Luminous Flux | 3313 lm | Measured @ 24.6 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

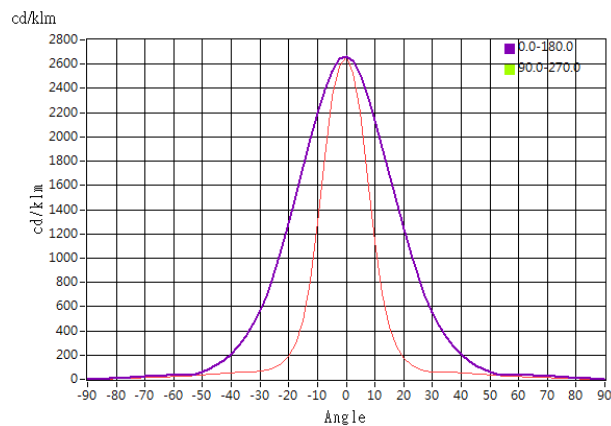




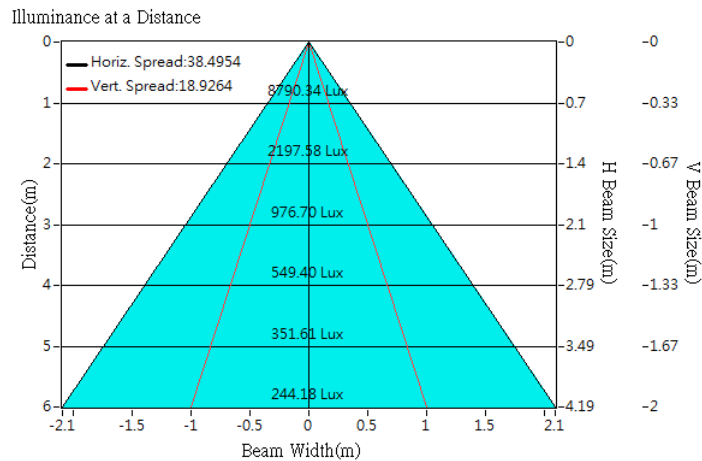
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|---|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> <p>LES</p> <p>CoB</p> |
| LED | Fortimo SLM 1208 L15 G7 | | |
| LES / LED Size | Φ 15 mm | | |
| FWHM (D50) | 18°x39° | | |
| Field Angle (D10) | 37°x76° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 3306 lm | Measured @ 25.8 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

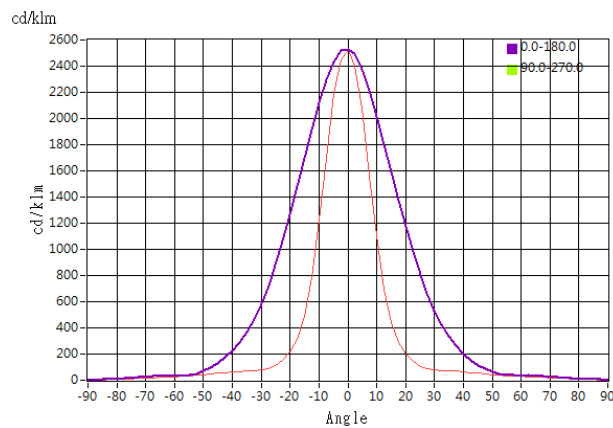




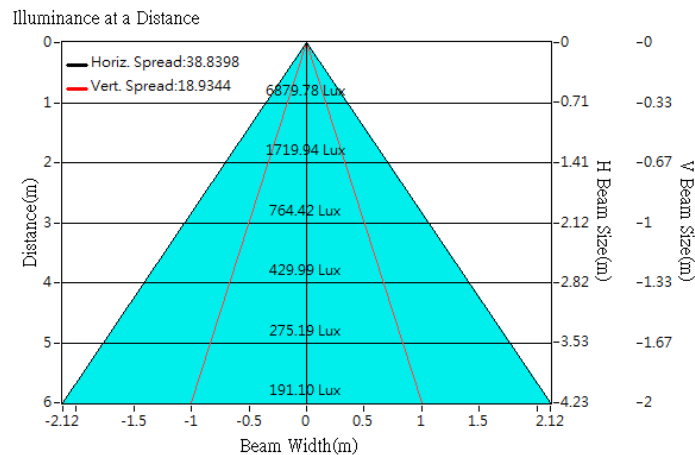
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM 1208 L15 G6 | | |
| LES / LED Size | Φ 15 mm | | |
| FWHM (D50) | 18°x39° | | |
| Field Angle (D10) | 37°x77° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2720 lm | Measured @ 26.8 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

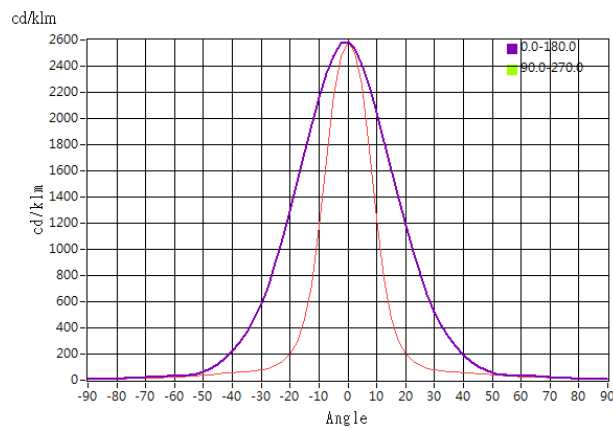




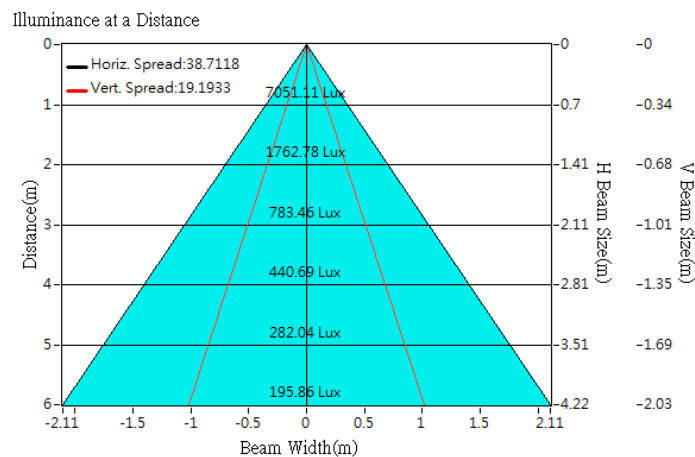
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1208 L15 2024 G6_DL | | |
| LES / LED Size | Φ 15 mm | | |
| FWHM (D50) | 19°x39° | | |
| Field Angle (D10) | 37°x76° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2732 lm | Measured @ 26.8 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

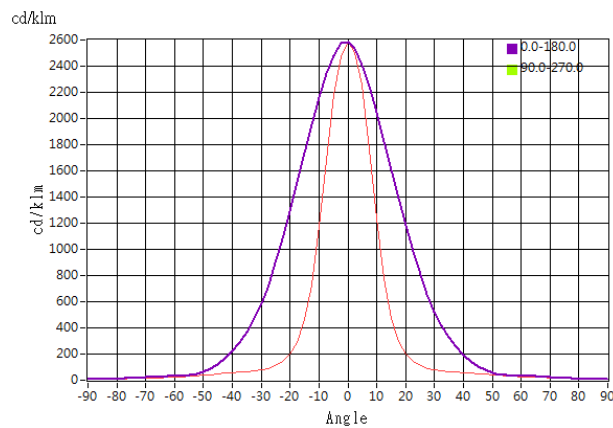




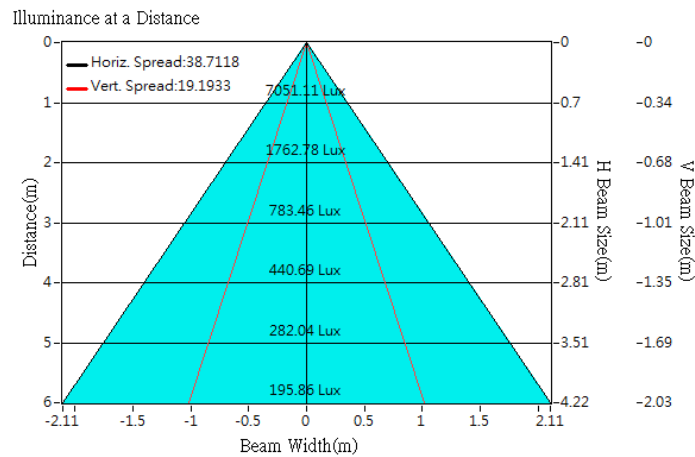
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1208 L15 2024 G6_PI | | |
| LES / LED Size | Φ 15 mm | | |
| FWHM (D50) | 19°x39° | | |
| Field Angle (D10) | 37°x76° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2732 lm | Measured @ 26.8 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

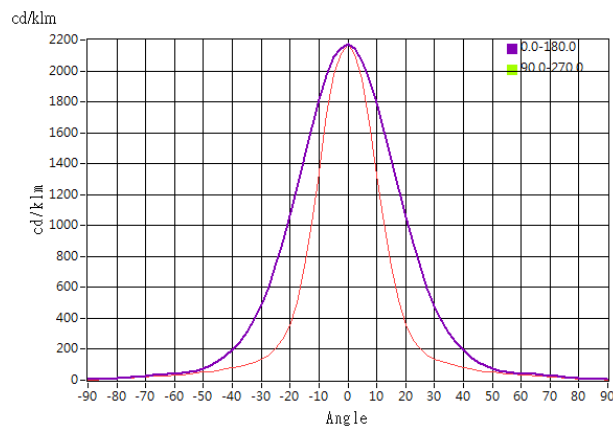




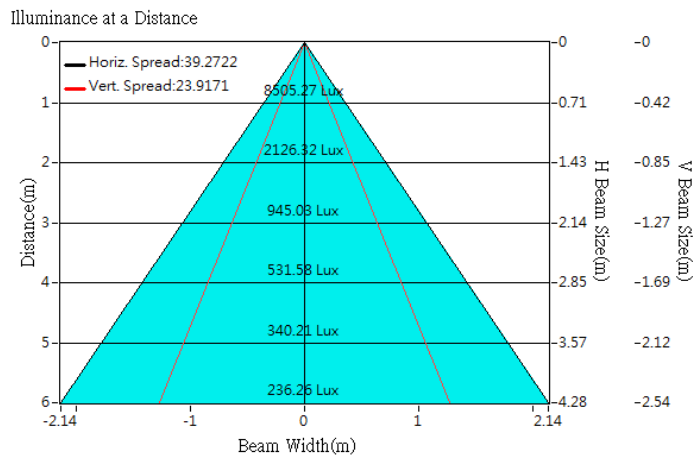
Optical Characteristics

| | | | |
|-------------------|---------------------------|-------------------|-----------------------|
| Model Number | CKO-SA15-075033-4007 | | <p>"H" definition</p> |
| LED | Fortimo SLM 1211 L19 G6 | | |
| LES / LED Size | Φ 19 mm | | |
| FWHM (D50) | 24°x39° | | |
| Field Angle (D10) | 49°x78° | | |
| H (distance) | 3.65 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 3920 lm | Measured @ 36.1 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

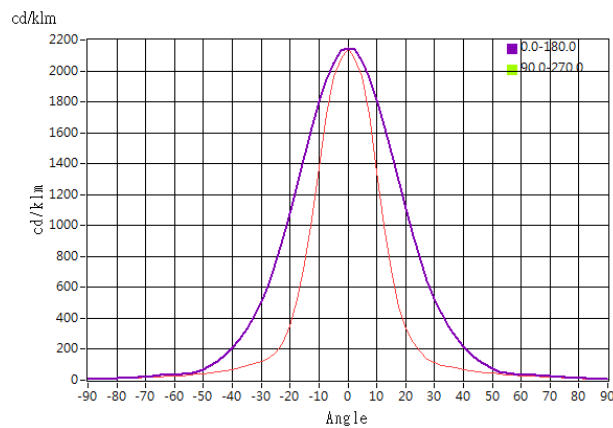




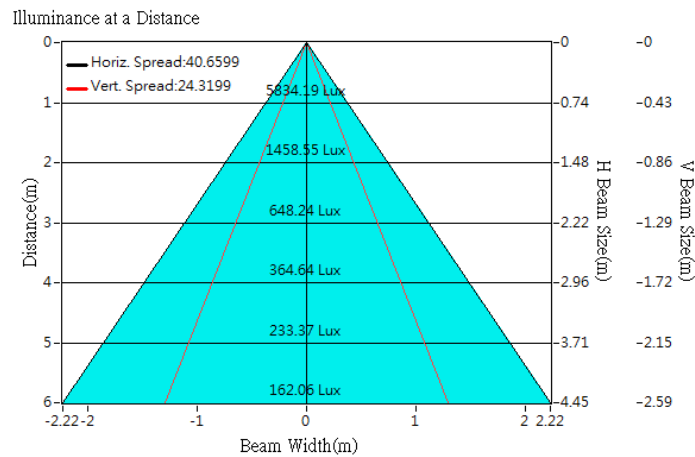
Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1211 L19 2828 G6_DL | | |
| LES / LED Size | Φ 19 mm | | |
| FWHM (D50) | 24°x41° | | |
| Field Angle (D10) | 47°x80° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2722 lm | Measured @ 35.7 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

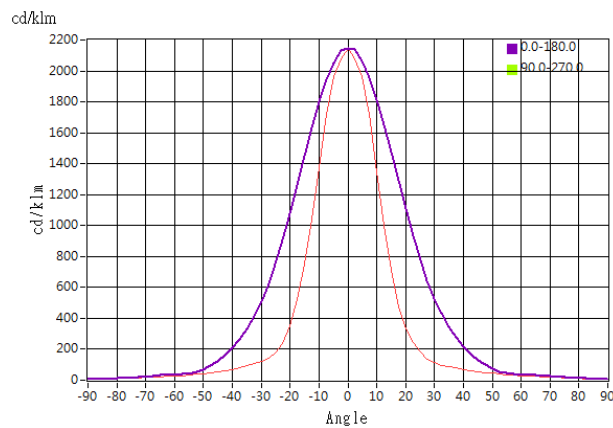




Optical Characteristics

| | | | |
|-------------------|-----------------------------------|-------------------|--|
| Model Number | CKO-SA15-075033-4007 | | |
| LED | Fortimo SLM C 1211 L19 2828 G6_PI | | |
| LES / LED Size | Φ 19 mm | | |
| FWHM (D50) | 24°x41° | | |
| Field Angle (D10) | 47°x80° | | |
| H (distance) | 3.5 mm | | |
| Dimension | Φ =75 mm, Thickness= 33mm | | |
| Luminous Flux | 2722 lm | Measured @ 35.7 W | |
| Material | PC / UL94V2 | | |

cd/klm



Illuminance At Distances

