



Product Model Number

CKO-CS15-075033-4003

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

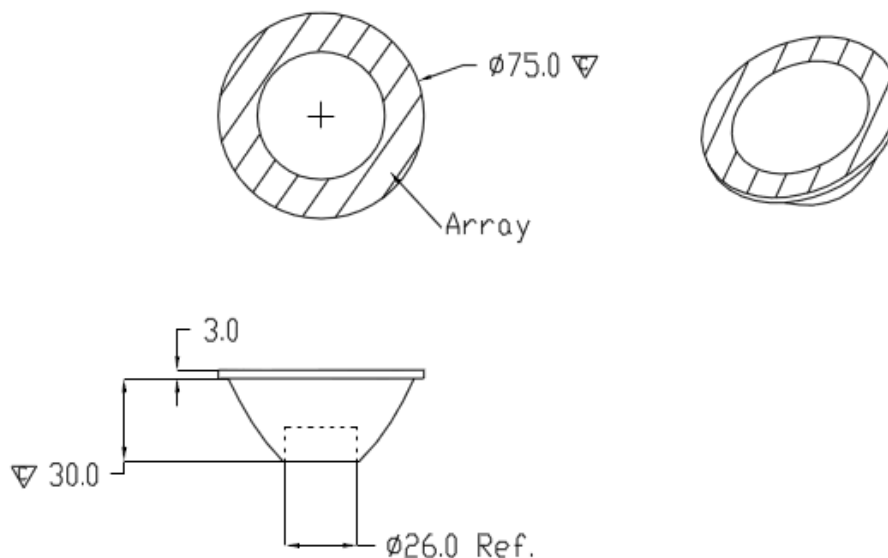


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

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

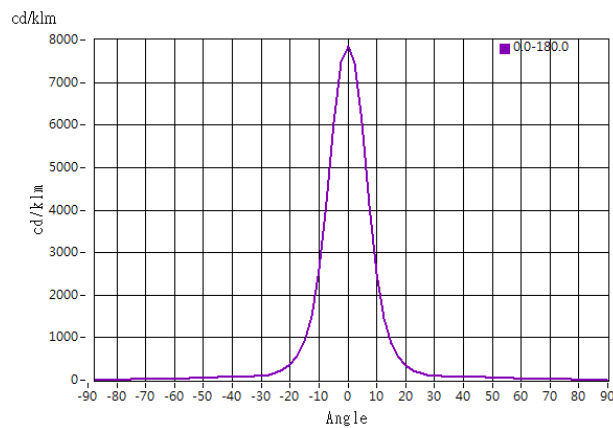
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1203 L09 G6	Φ9	15°	31°
Fortimo SLM 1203 L09 G6_DL	Φ9	15°	31°
Fortimo SLM 1203 L09 G6_PI	Φ9	15°	31°
Fortimo SLM PW 1204 L09 G7	Φ9	15°	30°
Fortimo SLM 1202 L09 G7N	Φ9.8	16°	34°
Fortimo SLM 1203 L09 G7N	Φ9.8	16°	33°
Fortimo SLM 1204 L09 G7N	Φ9.8	16°	33°
Fortimo SLM 1205 L13 G7	Φ13	22°	39°
Fortimo SLM PW 1205 L13 G6	Φ13	22°	41°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	22°	41°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	22°	41°
Fortimo SLM 1205 L15 G7N	Φ14.5	23°	42°
Fortimo SLM 1206 L15 G7N	Φ14.5	23°	42°
Fortimo SLM 1208 L15 G7N	Φ14.5	23°	42°
Fortimo SLM 1208 L15 G7	Φ15	24°	42°
Fortimo SLM 1208 L15 G6	Φ15	24°	44°
Fortimo SLM 1208 L15 G6_DL	Φ15	24°	44°
Fortimo SLM 1208 L15 G6_PI	Φ15	24°	44°
Fortimo SLM 1211 L19 G6	Φ19	29°	53°
Fortimo SLM 1211 L19 G6_DL	Φ19	29°	53°
Fortimo SLM 1211 L19 G6_PI	Φ19	29°	53°
Fortimo SLM 1211 L22 G7N	Φ22	32°	59°



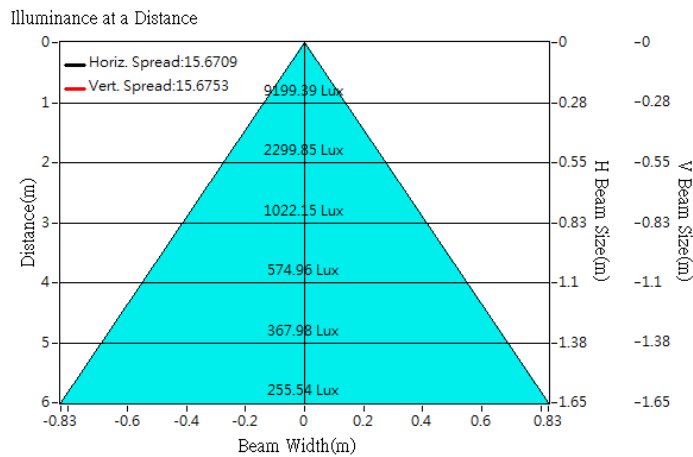
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G6		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	31°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1170 lm	Measured @ 10.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

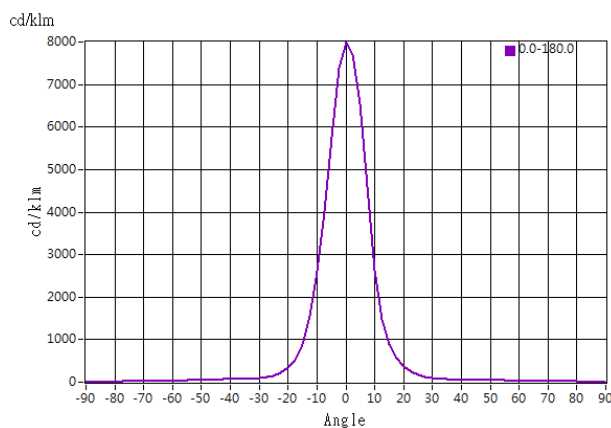




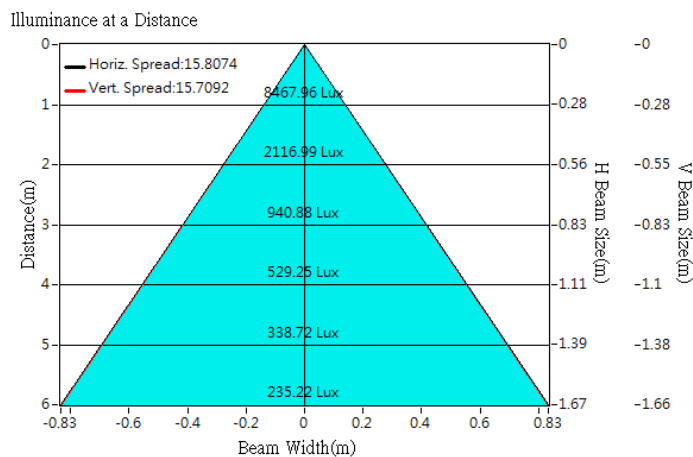
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1203 L09 1619 G6_DL		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	31°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1060 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

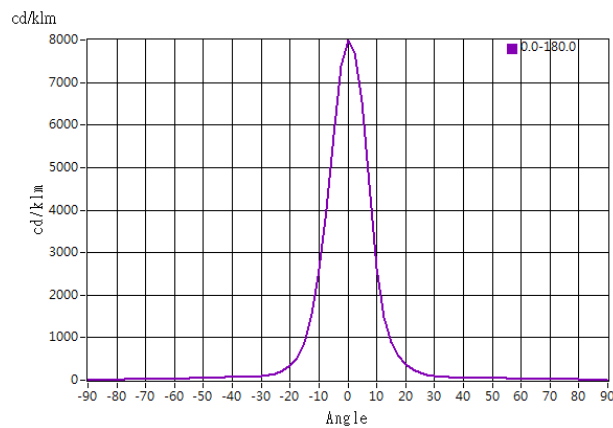




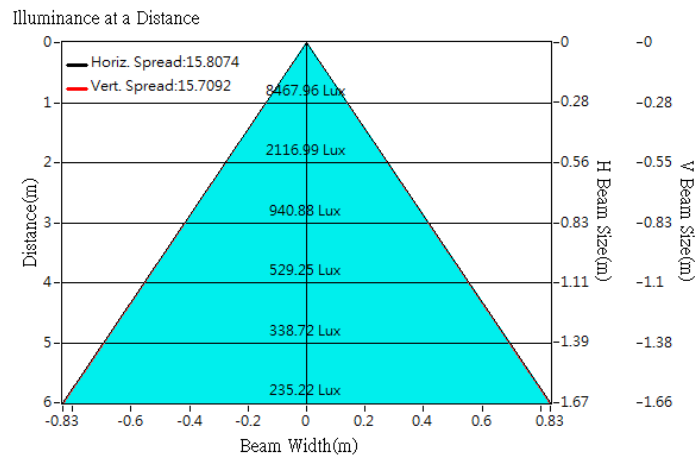
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1203 L09 1619 G6_PI		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	31°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1060 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

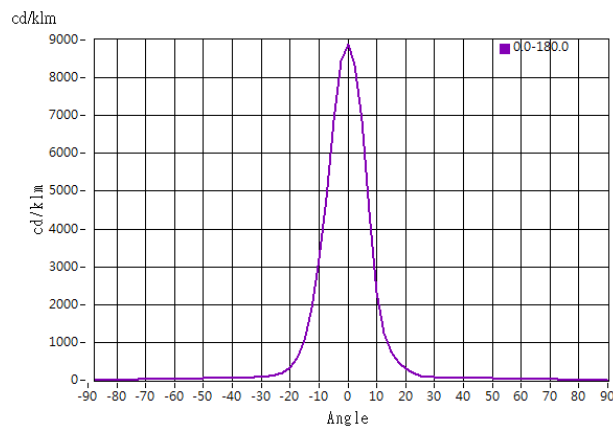




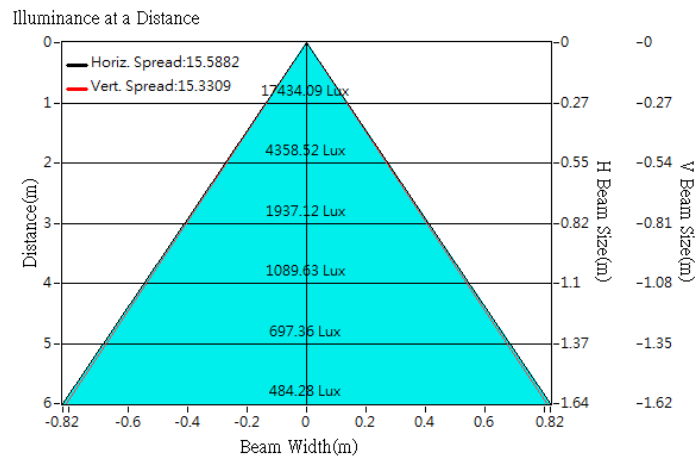
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM PW 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	30°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1960 lm	Measured @ 21.6 W	
Material	PC / UL94V2		

cd/klm

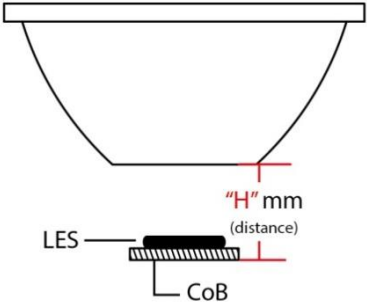


Illuminance At Distances

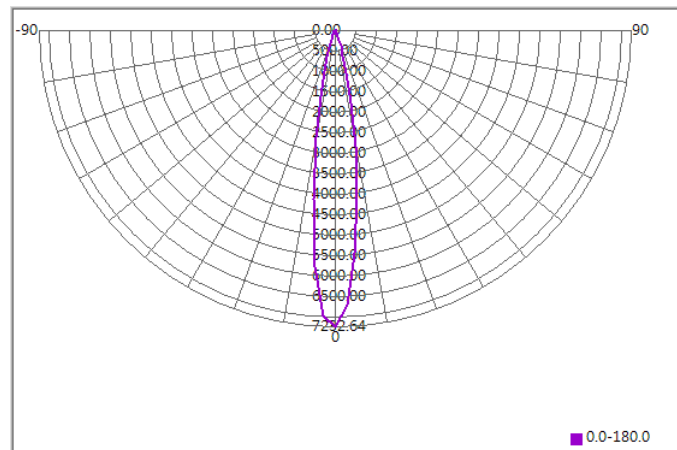




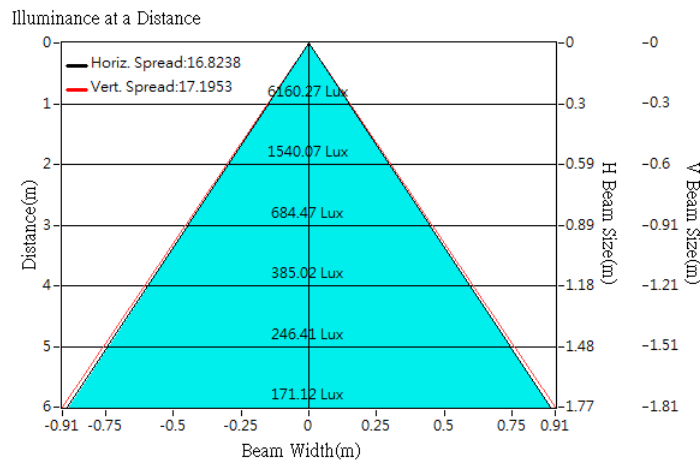
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p> 
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	16°		
Field Angle (D10)	34°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	851 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

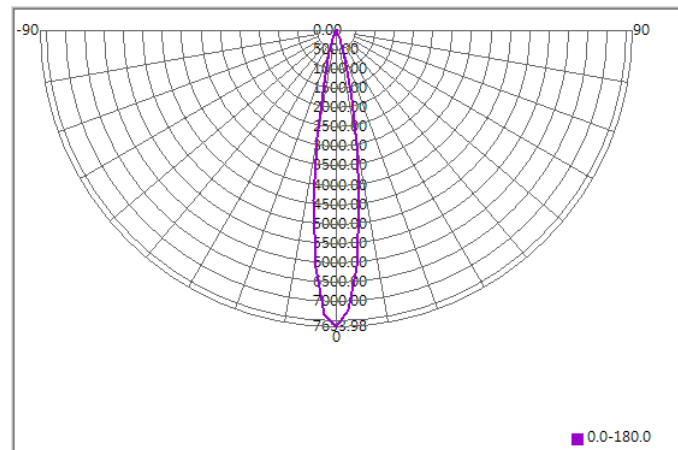




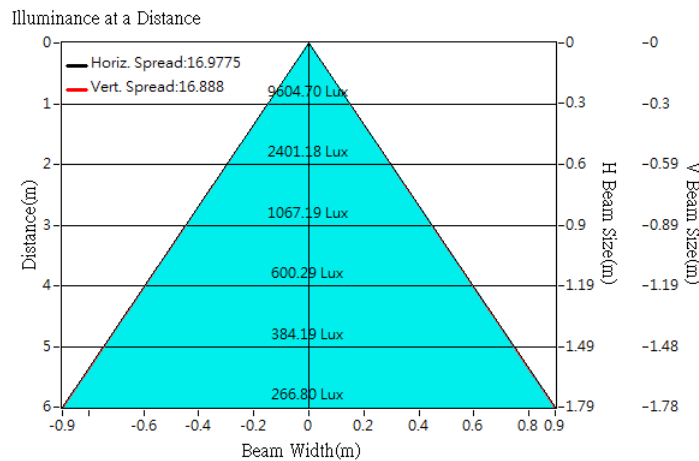
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	16°		
Field Angle (D10)	33°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1254 lm	Measured @ 9.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

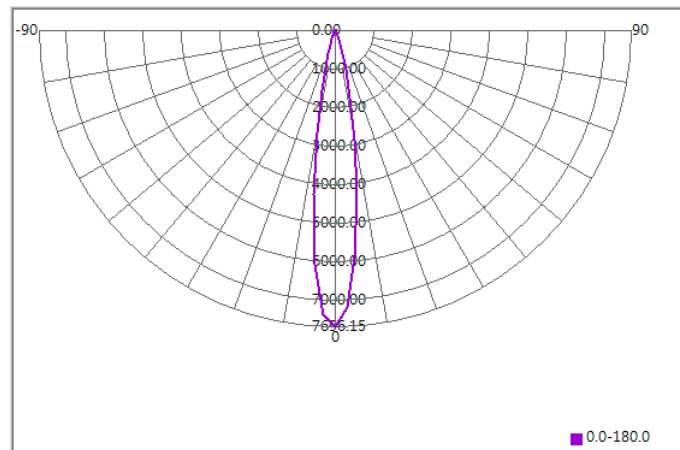




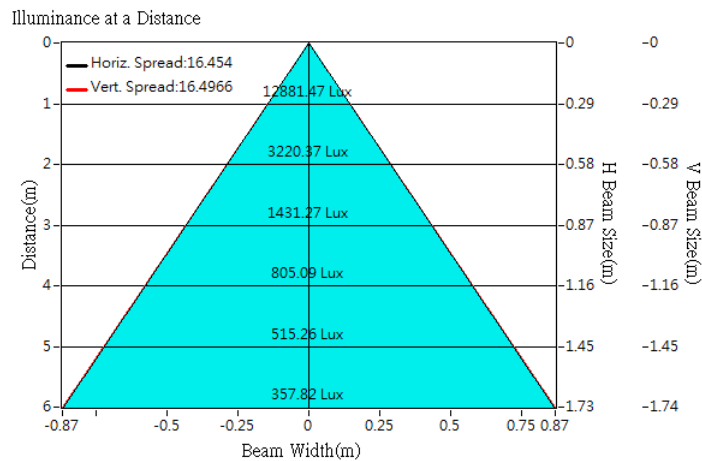
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	16°		
Field Angle (D10)	33°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1673 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

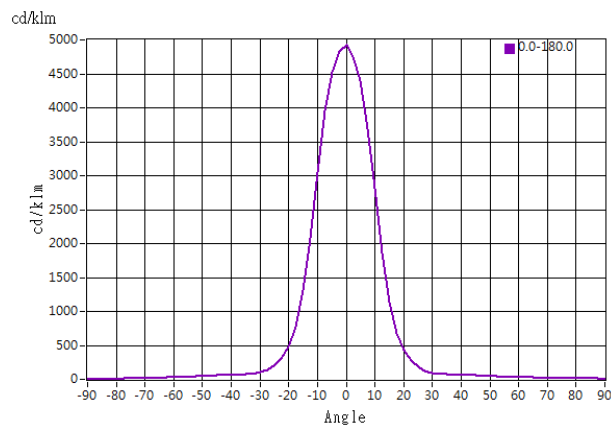




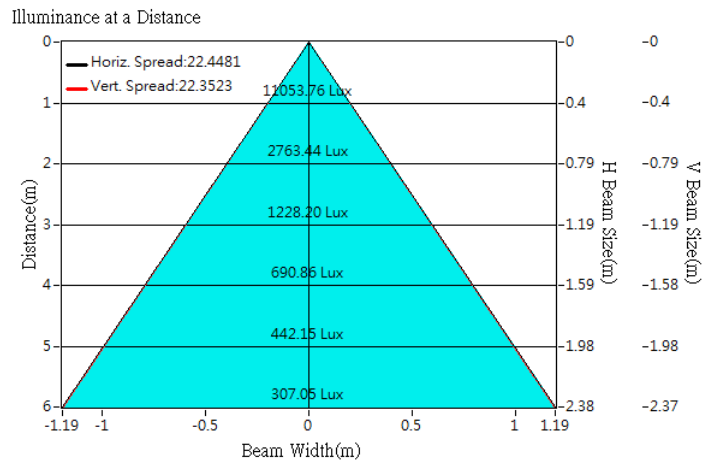
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	22°		
Field Angle (D10)	39°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2246 lm	Measured @ 17.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

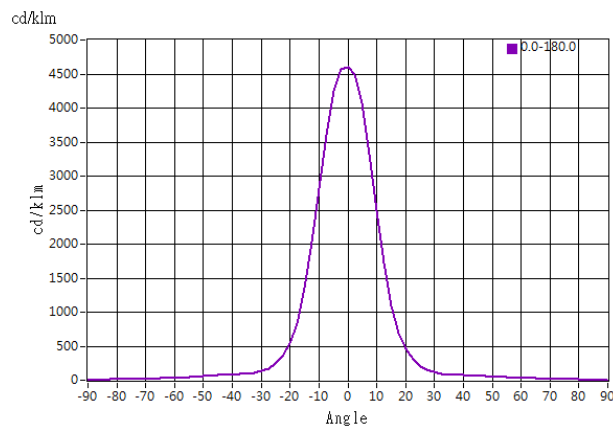




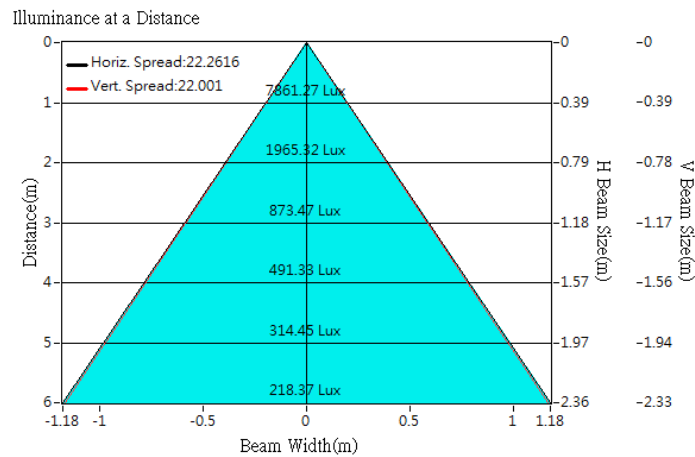
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	22°		
Field Angle (D10)	41°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1709 lm	Measured @ 13.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

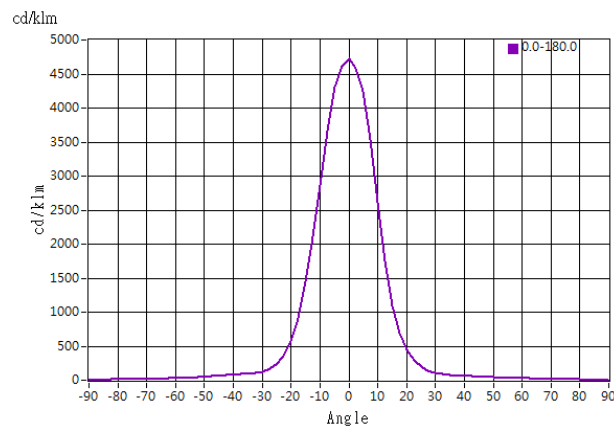




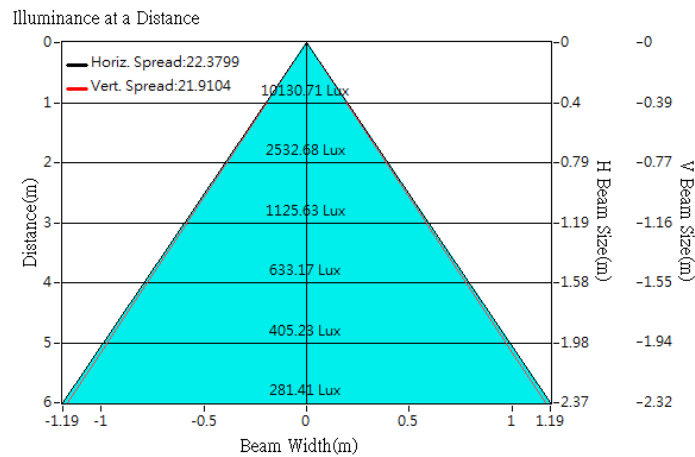
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1205 L13 2024 G6_DL		
LES / LED Size	Φ 13 mm		
FWHM (D50)	22°		
Field Angle (D10)	41°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2144 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

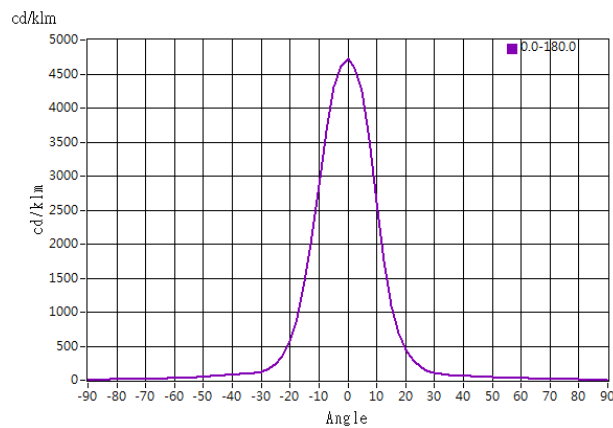




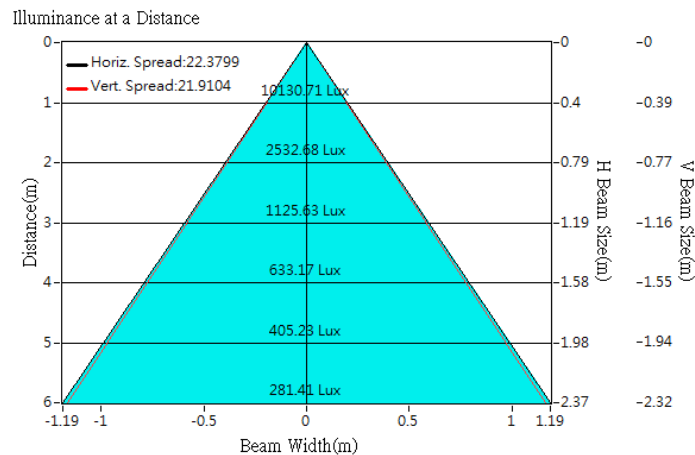
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1205 L13 2024 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	22°		
Field Angle (D10)	41°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2144 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

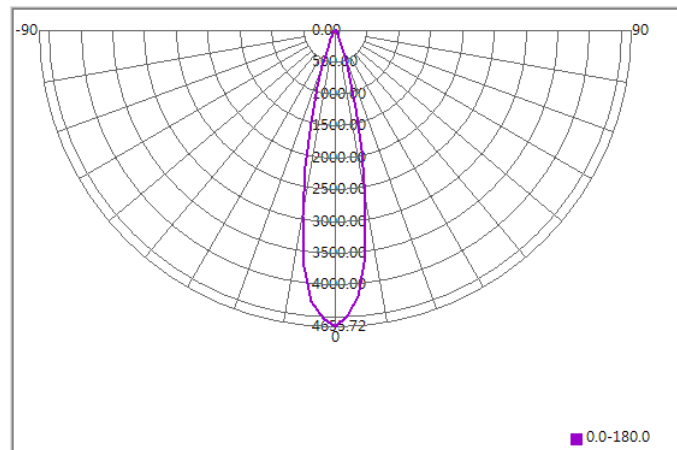




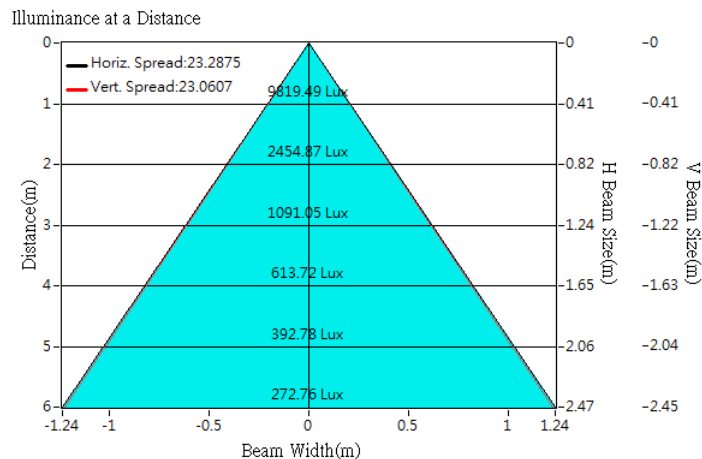
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2109 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

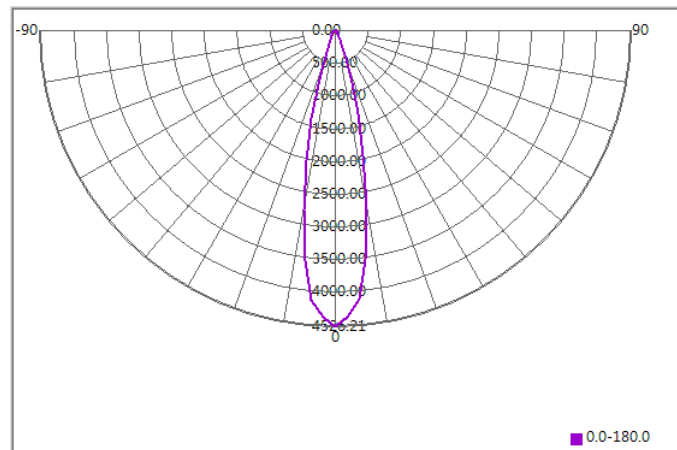




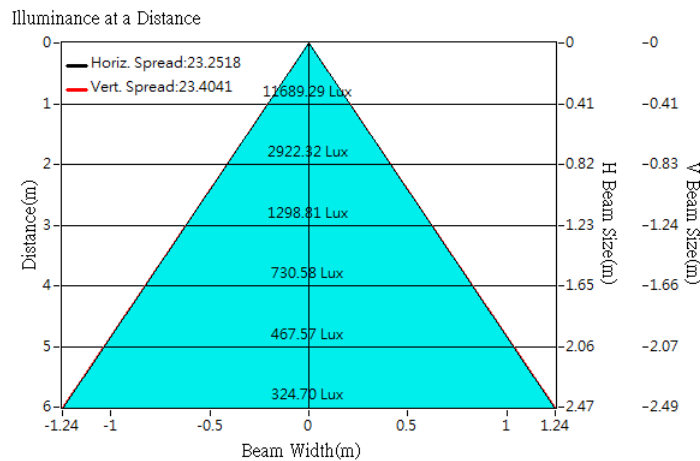
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2582 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

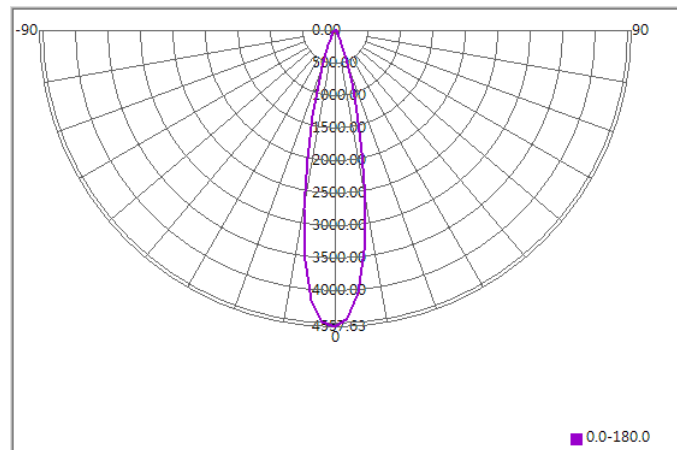




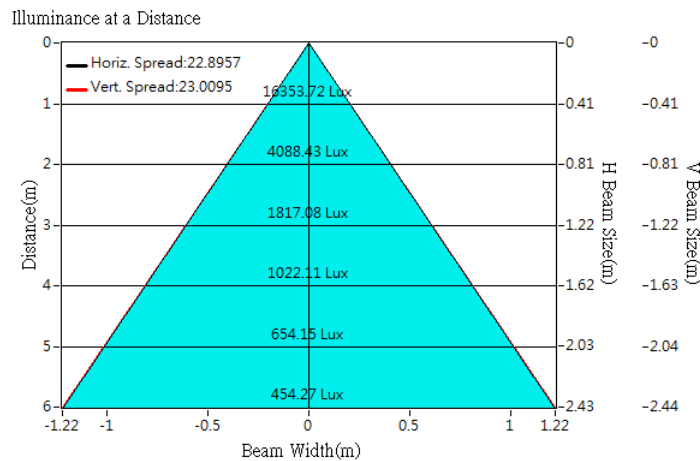
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3588 lm	Measured @ 24.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

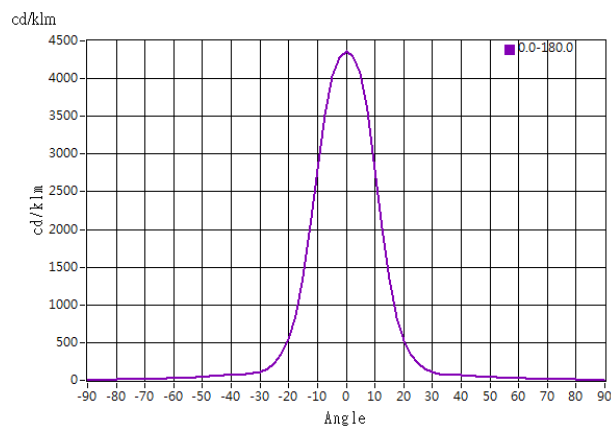




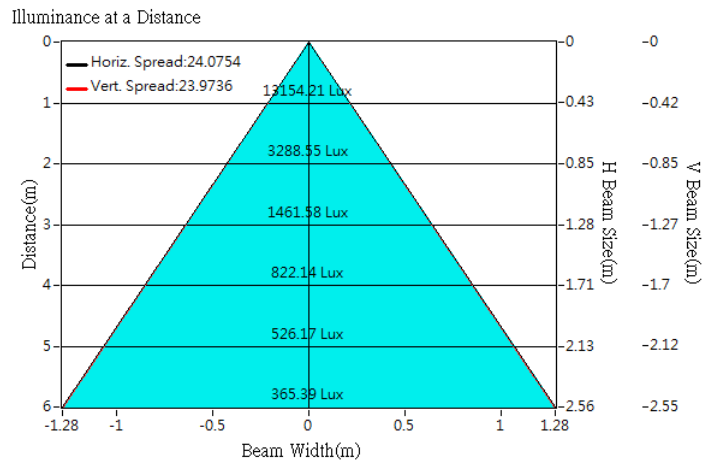
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3021 lm	Measured @ 25.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

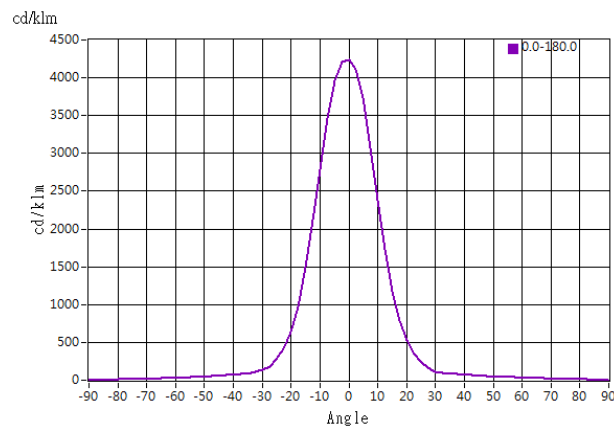




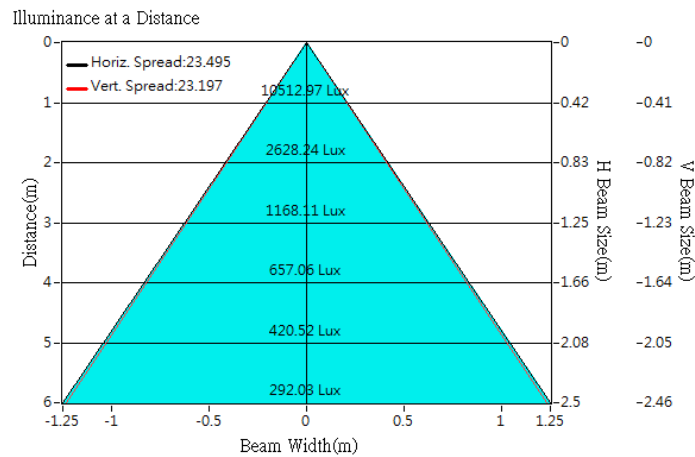
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2482 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

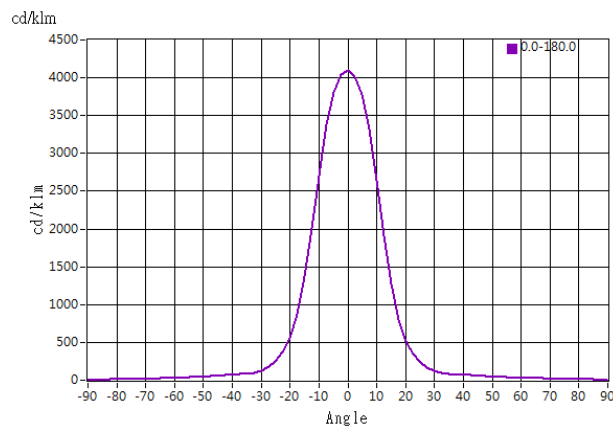




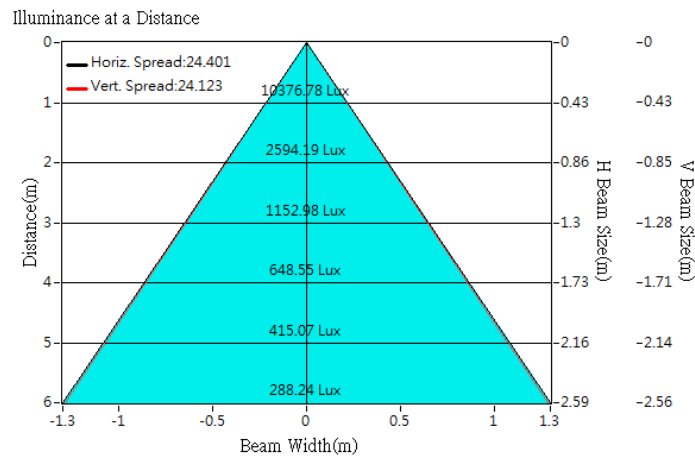
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	44°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2534 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

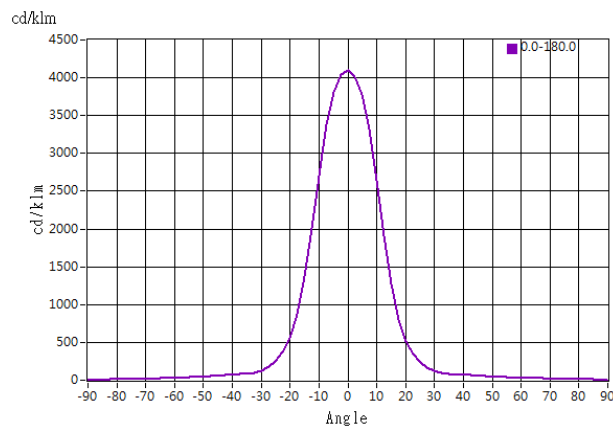




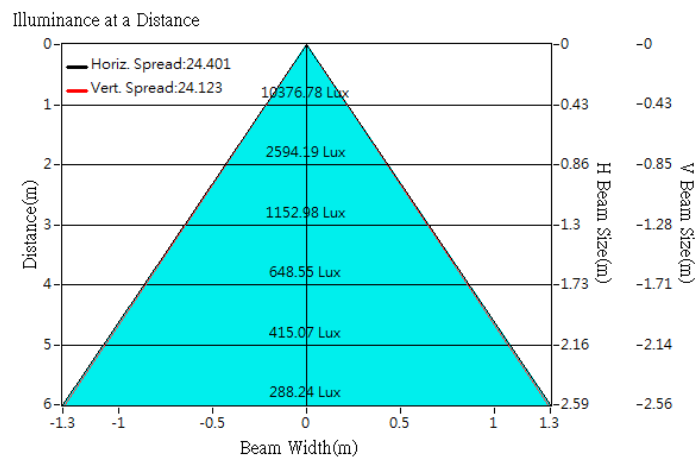
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	44°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2534 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

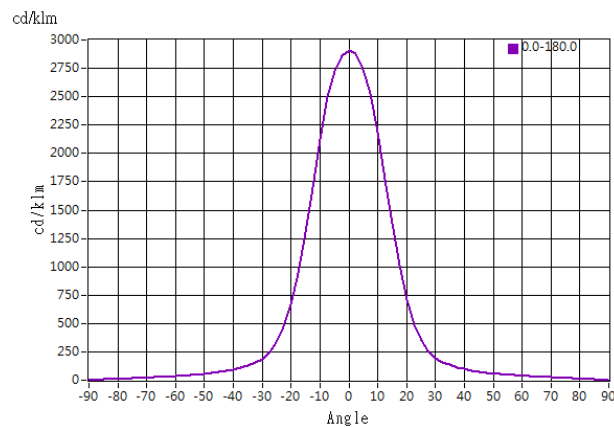




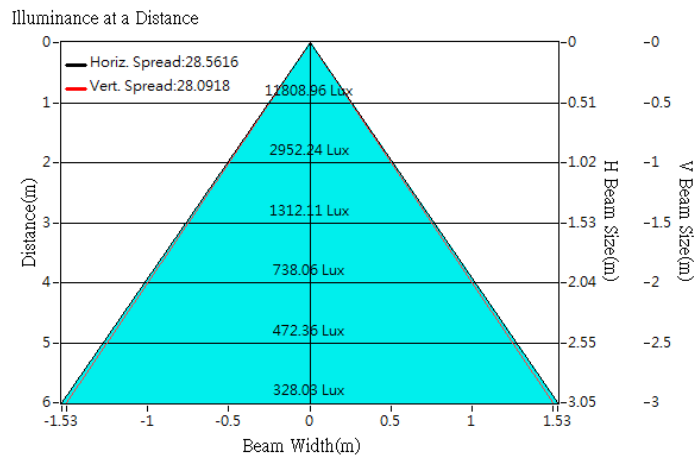
Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 1211 L19 G6		
LES / LED Size	Φ 19 mm		
FWHM (D50)	29°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	4055 lm	Measured @ 36.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

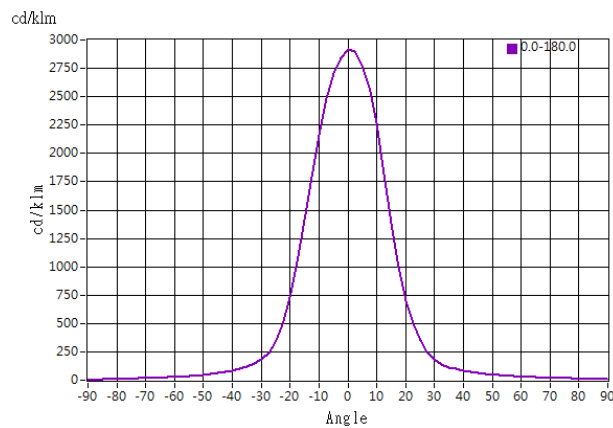




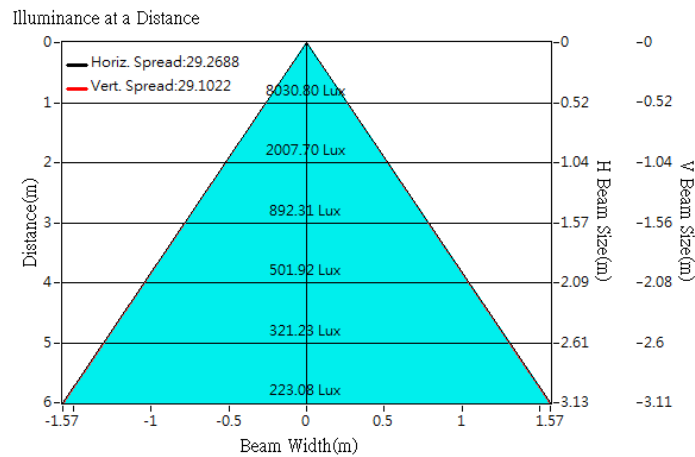
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1211 L19 2828 G6_DL		
LES / LED Size	Φ 19 mm		
FWHM (D50)	29°		
Field Angle (D10)	53°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2750 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

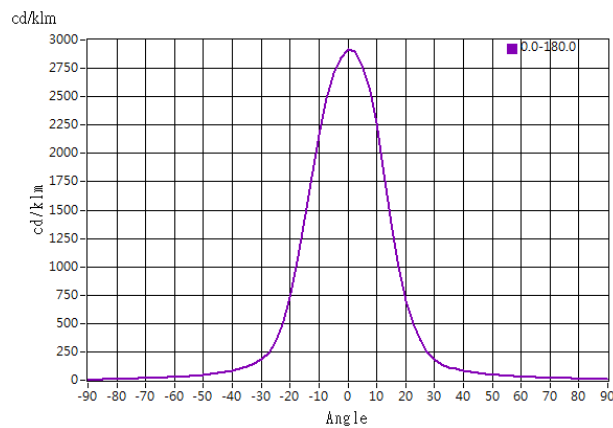




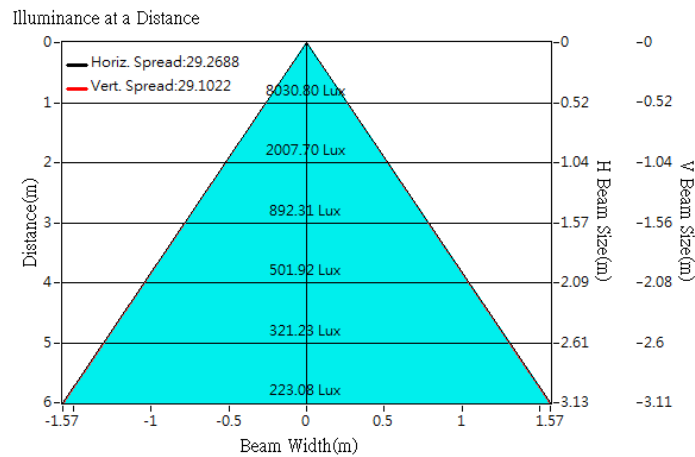
Optical Characteristics

Model Number	CKO-CS15-075033-4003		
LED	Fortimo SLM C 1211 L19 2828 G6_PI		
LES / LED Size	Φ 19 mm		
FWHM (D50)	27°		
Field Angle (D10)	53°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2750 lm	Measured @ 35.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

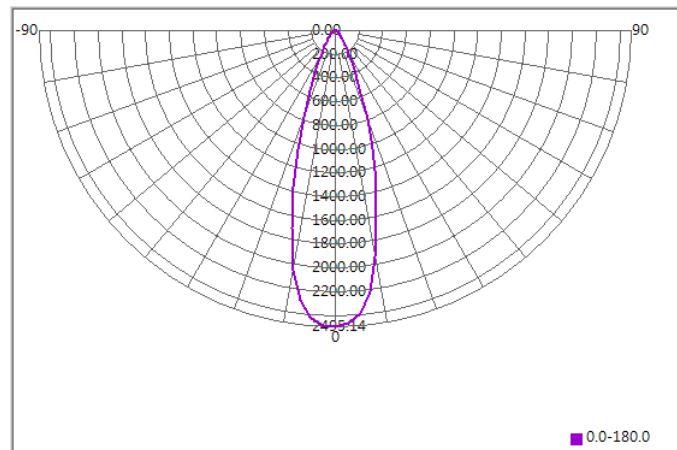




Optical Characteristics

Model Number	CKO-CS15-075033-4003		<p>"H" definition</p>
LED	Fortimo SLM 1211 L22 G7N		
LES / LED Size	Φ 22 mm		
FWHM (D50)	32°		
Field Angle (D10)	59°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3836 lm	Measured @ 34.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

