

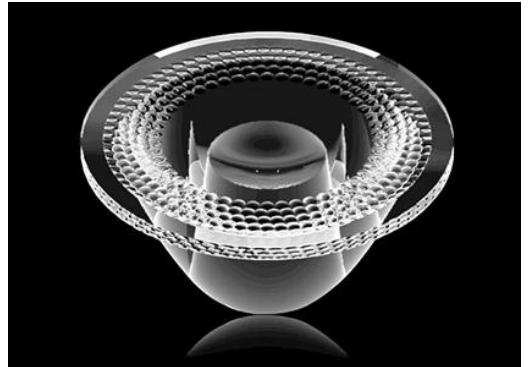


Product Model Number

CKO-CS15-075033-4005

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

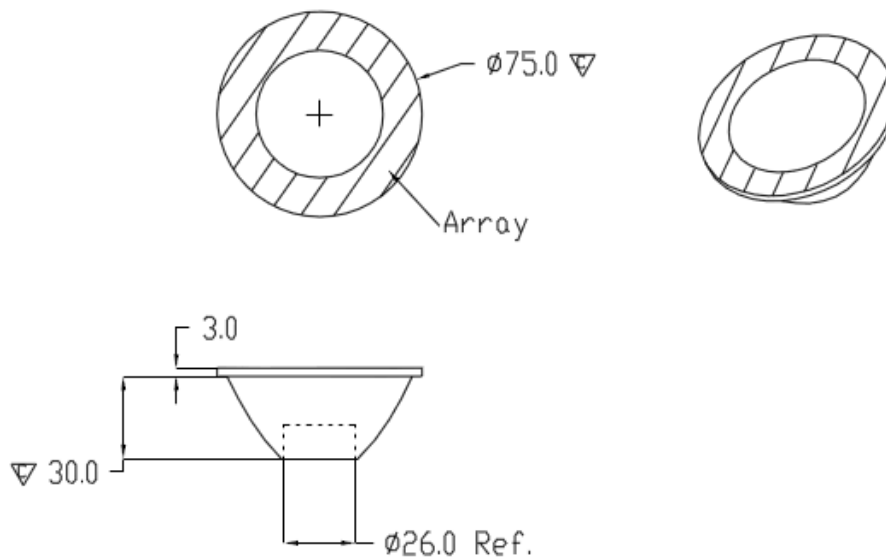


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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

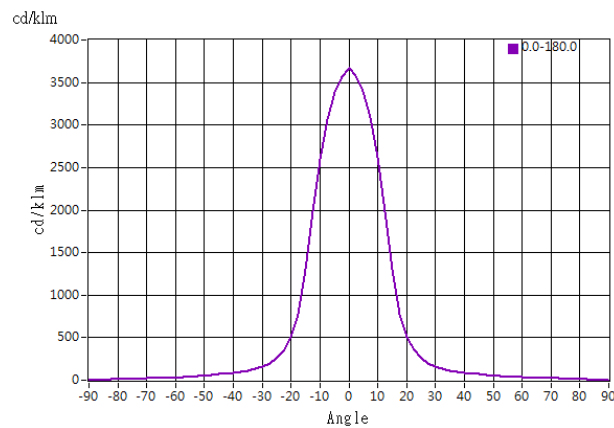
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1203 L09 G6	Φ9	26°	44°
Fortimo SLM 1203 L09 G6_DL	Φ9	29°	48°
Fortimo SLM 1203 L09 G6_PI	Φ9	29°	48°
Fortimo SLM PW 1204 L09 G7	Φ9	31°	49°
Fortimo SLM 1202 L09 G7N	Φ9.8	25°	45°
Fortimo SLM 1203 L09 G7N	Φ9.8	27°	44°
Fortimo SLM 1204 L09 G7N	Φ9.8	25°	44°
Fortimo SLM 1205 L13 G7	Φ13	33°	53°
Fortimo SLM PW 1205 L13 G6	Φ13	29°	49°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	31°	52°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	31°	52°
Fortimo SLM 1205 L15 G7N	Φ14.5	31°	51°
Fortimo SLM 1206 L15 G7N	Φ14.5	31°	51°
Fortimo SLM 1208 L15 G7N	Φ14.5	32°	53°
Fortimo SLM 1208 L15 G7	Φ15	32°	53°
Fortimo SLM 1208 L15 G6	Φ15	31°	52°
Fortimo SLM 1208 L15 G6_DL	Φ15	32°	54°
Fortimo SLM 1208 L15 G6_PI	Φ15	32°	54°
Fortimo SLM 1211 L19 G6	Φ19	36°	62°
Fortimo SLM 1211 L19 G6_DL	Φ19	37°	63°
Fortimo SLM 1211 L19 G6_PI	Φ19	37°	63°
Fortimo SLM 1211 L22 G7N	Φ22	40°	69°



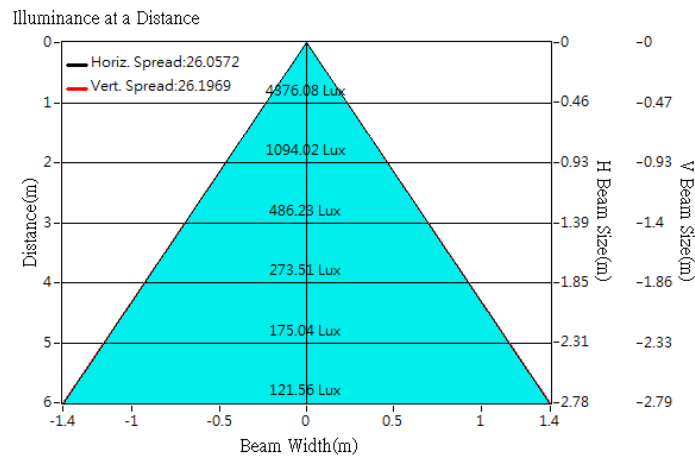
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G6		
LES / LED Size	Φ 9 mm		
FWHM (D50)	26°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1192 lm	Measured @ 10.5 W	
Material	PC / UL94V2		

cd/klm

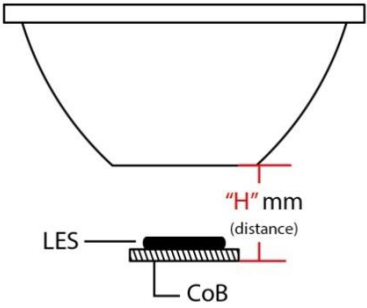


Illuminance At Distances

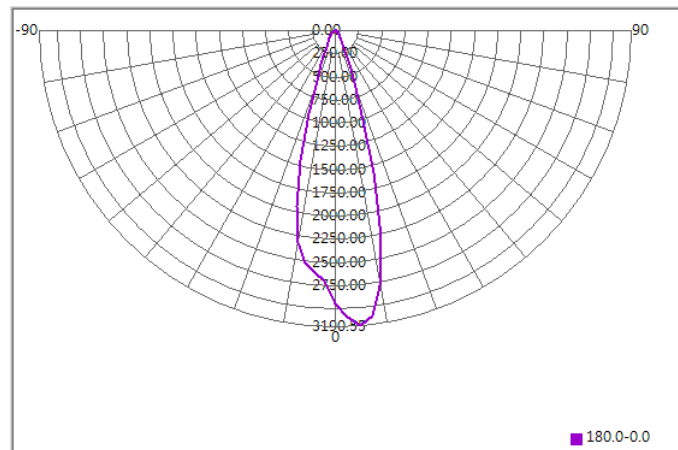




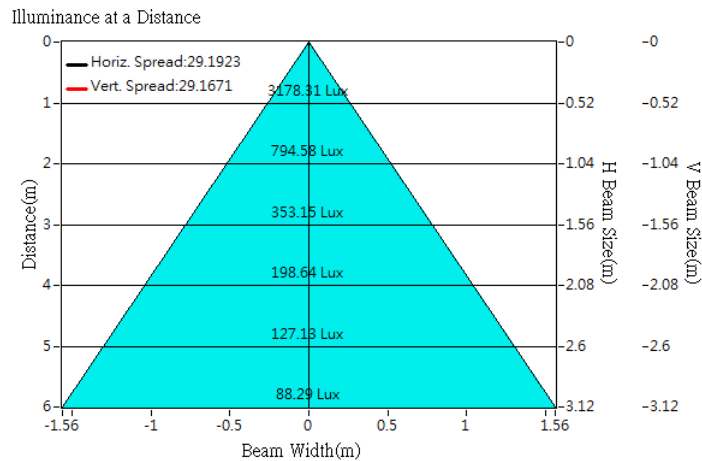
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p> 
LED	Fortimo SLM C 1203 L09 1619 G6_DL		
LES / LED Size	Φ 9 mm		
FWHM (D50)	29°		
Field Angle (D10)	48°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1077 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

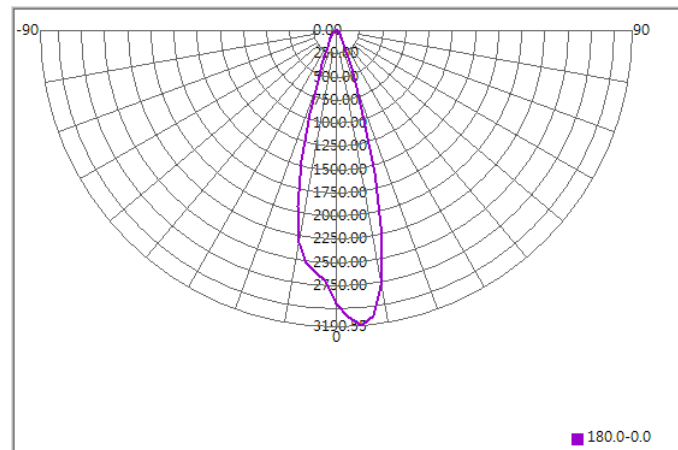




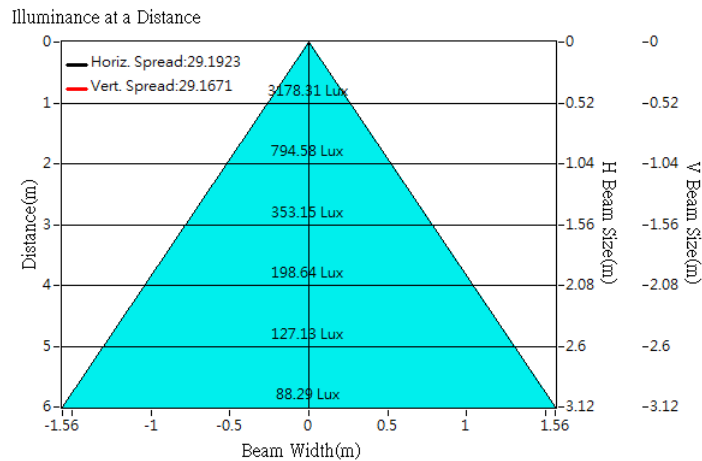
Optical Characteristics

Model Number	CKO-CS15-075033-4005		
LED	Fortimo SLM C 1203 L09 1619 G6_PI		
LES / LED Size	Φ 9 mm		
FWHM (D50)	29°		
Field Angle (D10)	48°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1077 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

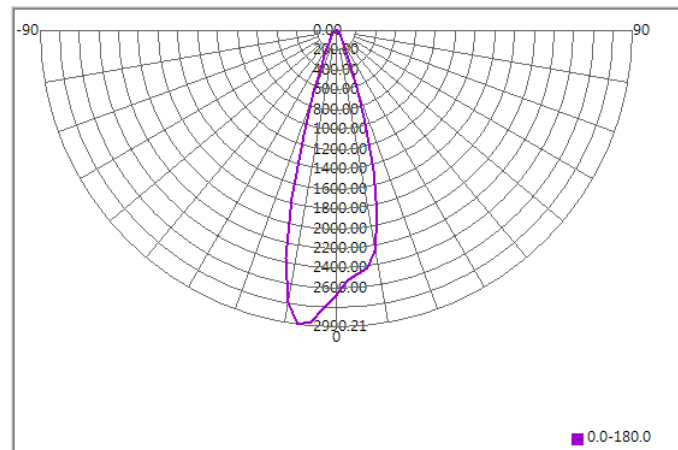




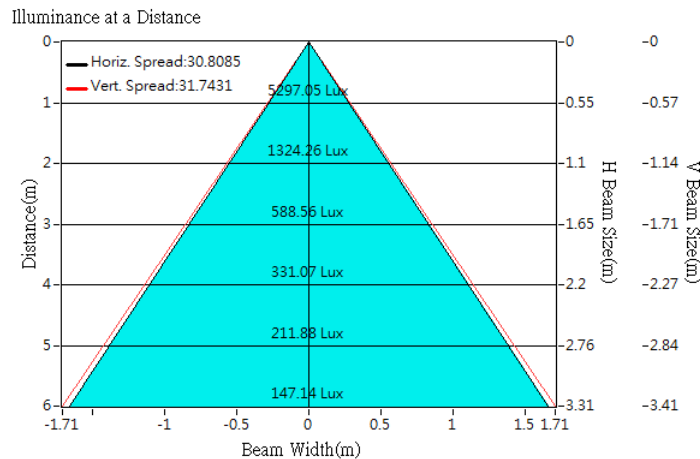
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	31°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1978 lm	Measured @ 21.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

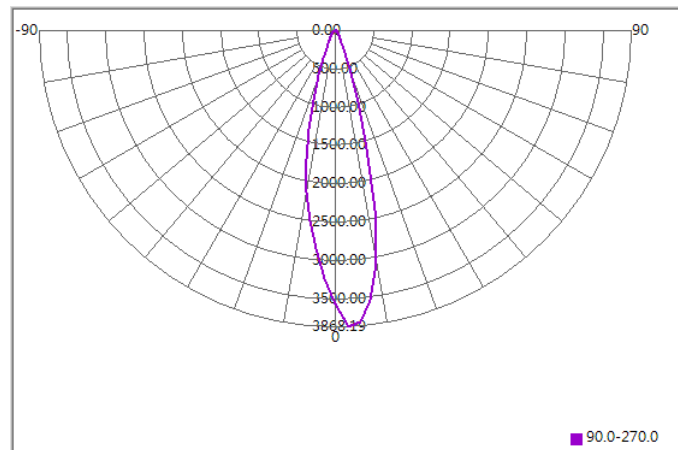




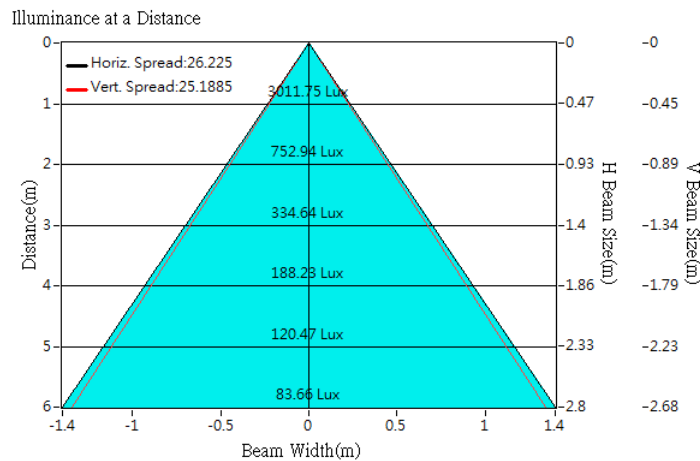
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	25°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	842 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

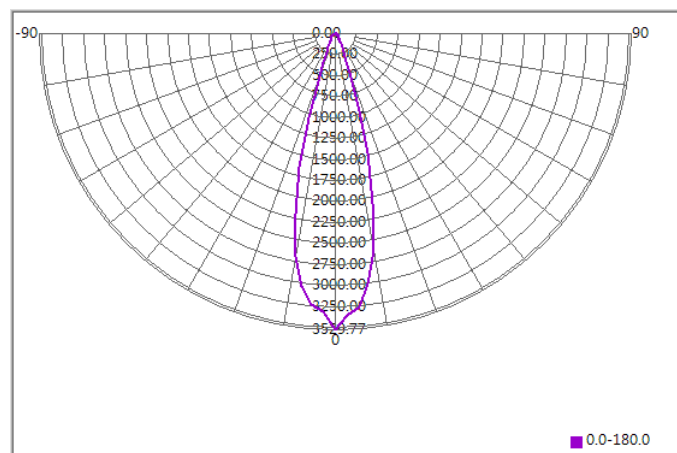




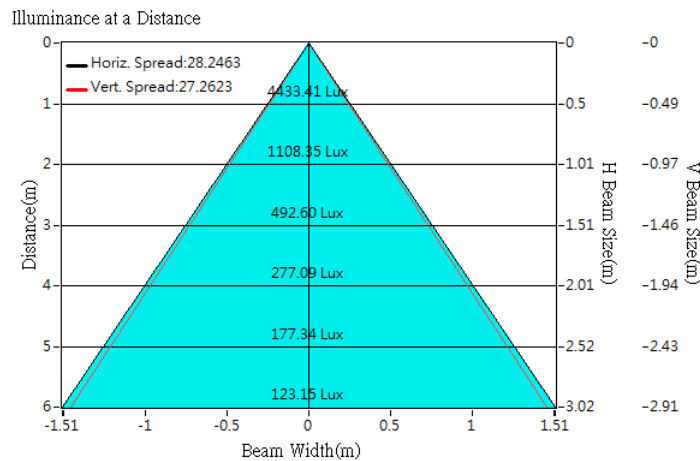
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	27°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1256 lm	Measured @ 9.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

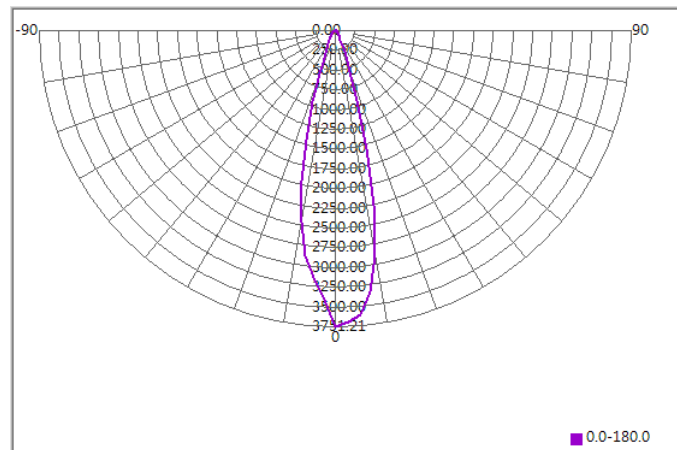




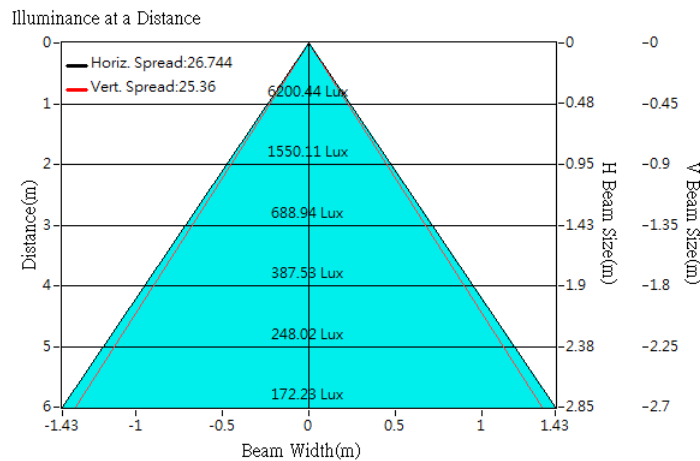
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	25°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1652 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

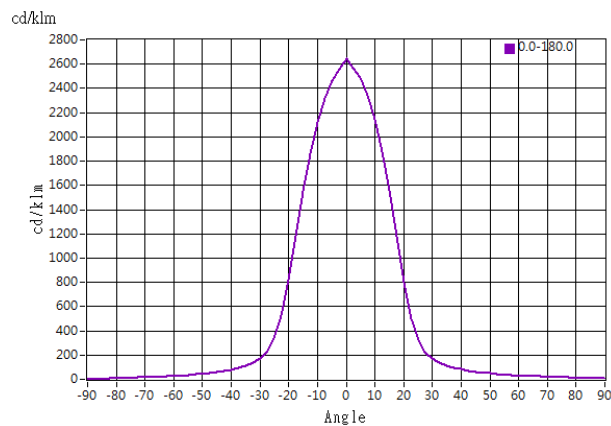




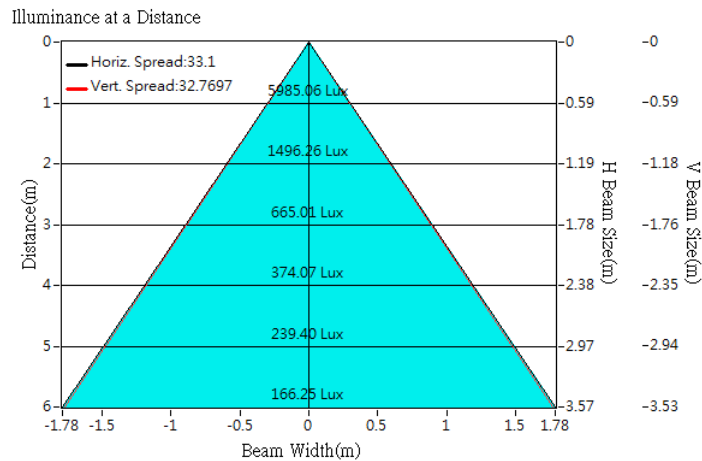
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	33°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2265 lm	Measured @ 17.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

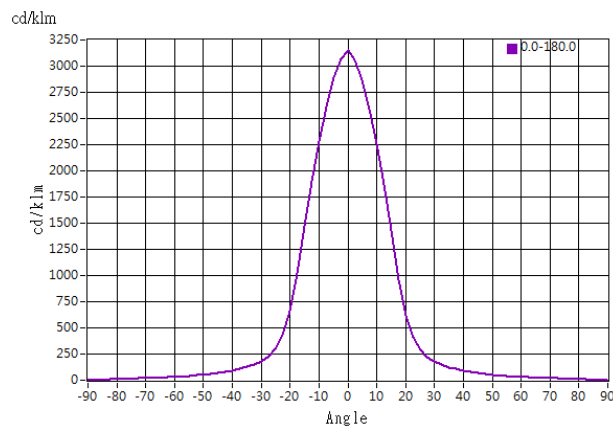




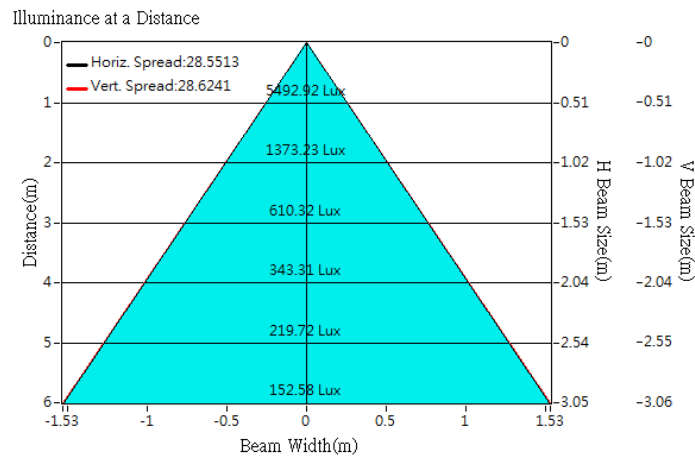
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	29°		
Field Angle (D10)	49°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	1742 lm	Measured @ 13.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

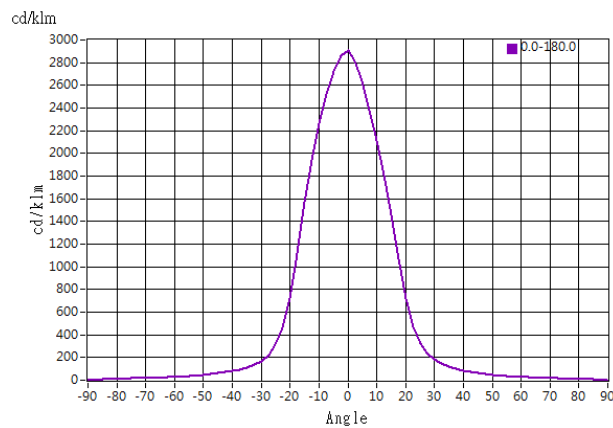




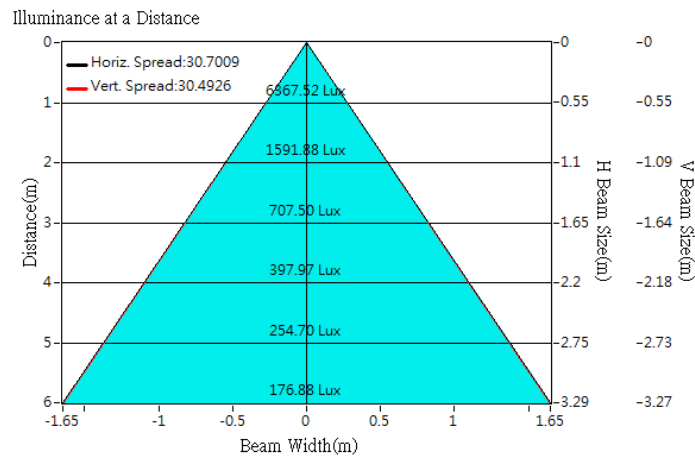
Optical Characteristics

Model Number	CKO-CS15-075033-4005		
LED	Fortimo SLM C 1205 L13 2024 G6_DL		
LES / LED Size	Φ 13 mm		
FWHM (D50)	31°		
Field Angle (D10)	52°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2193 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

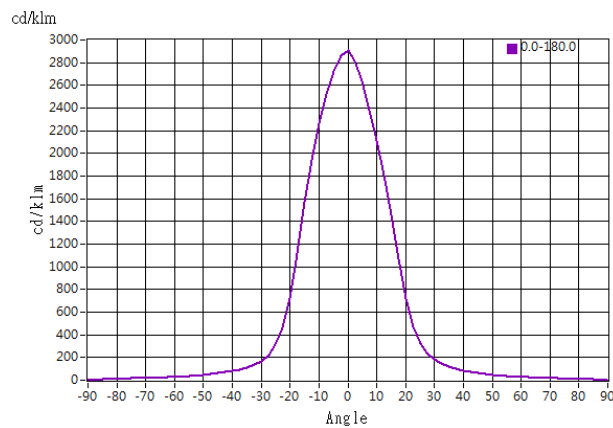




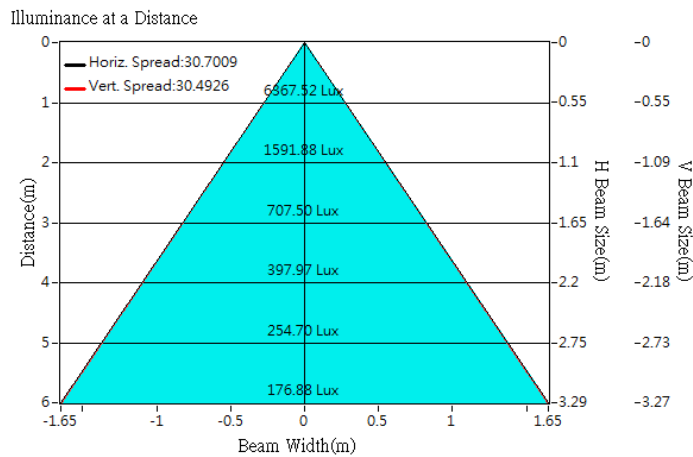
Optical Characteristics

Model Number	CKO-CS15-075033-4005		
LED	Fortimo SLM C 1205 L13 2024 G6_PI		
LES / LED Size	Φ 13 mm		
FWHM (D50)	31°		
Field Angle (D10)	52°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2193 lm	Measured @ 17.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

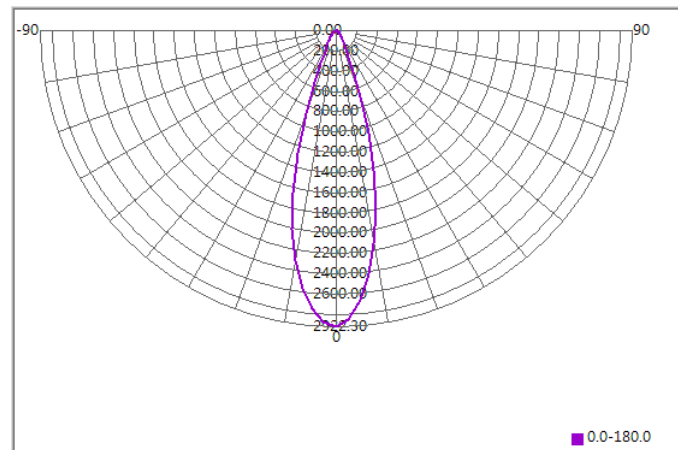




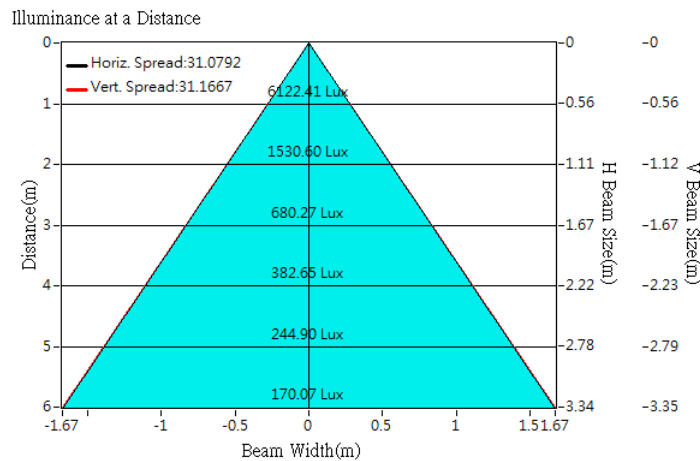
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	31°		
Field Angle (D10)	51°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2095 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

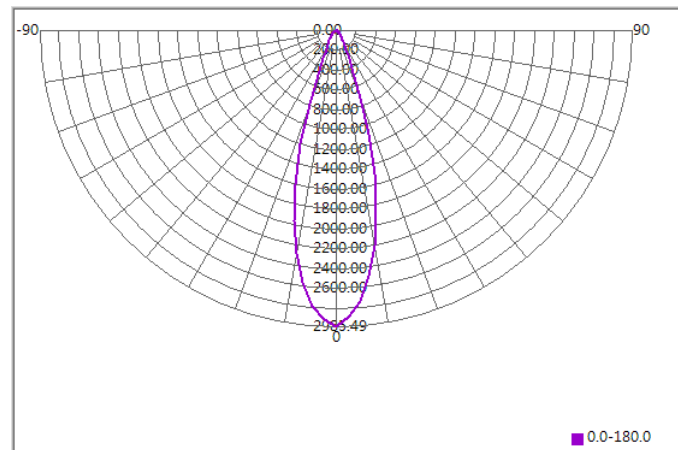




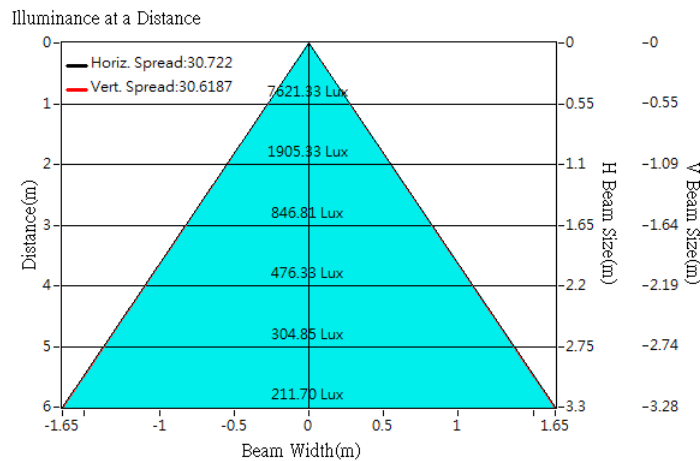
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	31°		
Field Angle (D10)	51°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2552 lm	Measured @18.5W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

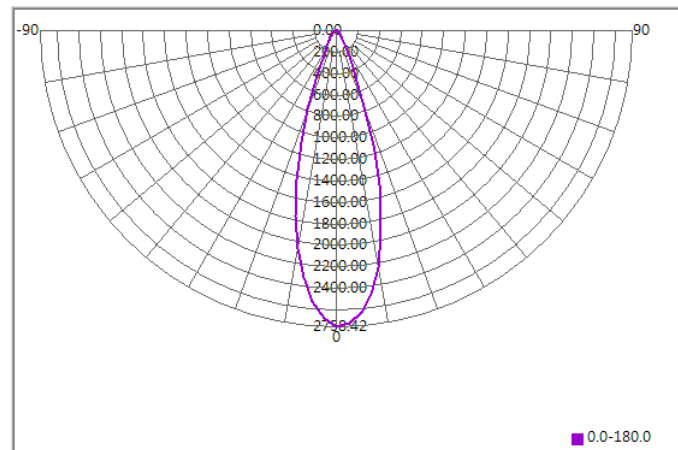




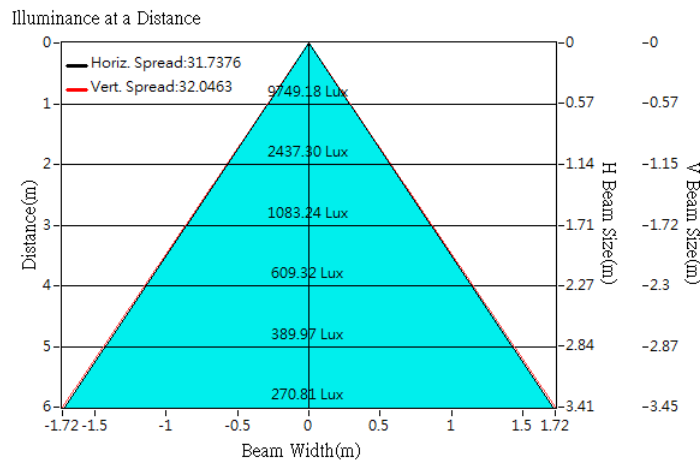
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	32°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3534 lm	Measured @ 24.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

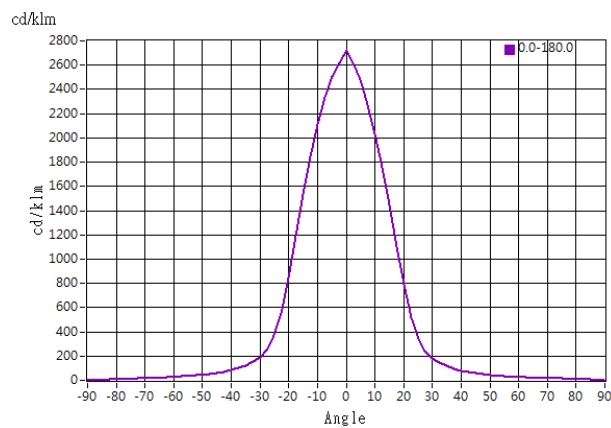




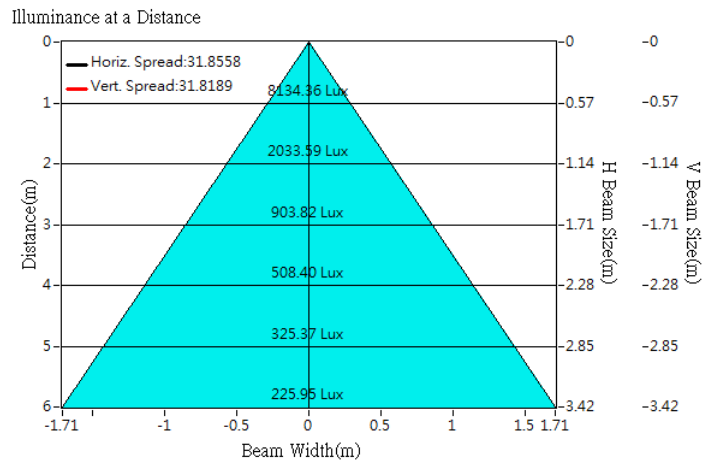
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	32°		
Field Angle (D10)	53°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2988 lm	Measured @ 25.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

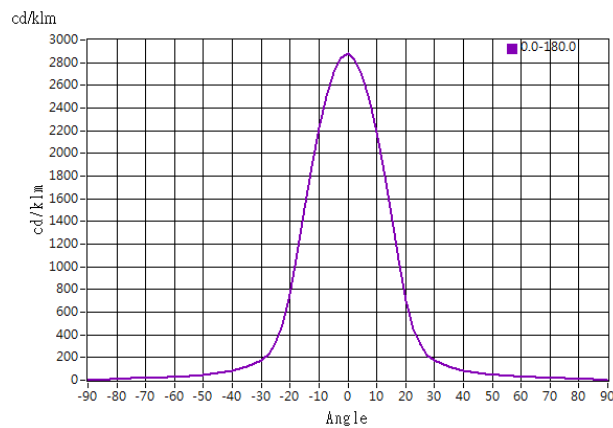




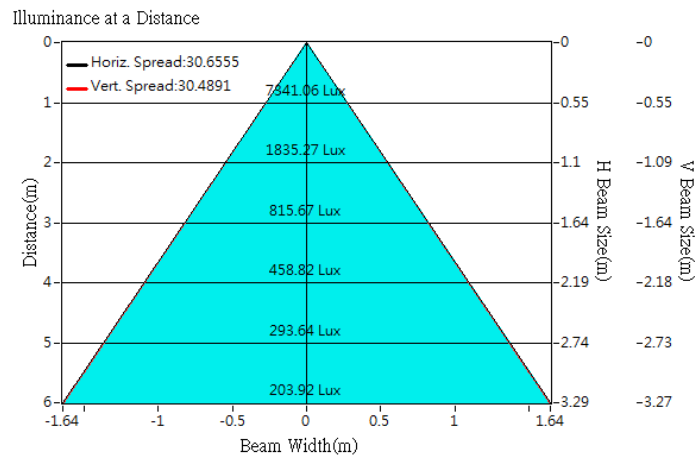
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	31°		
Field Angle (D10)	52°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2547 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

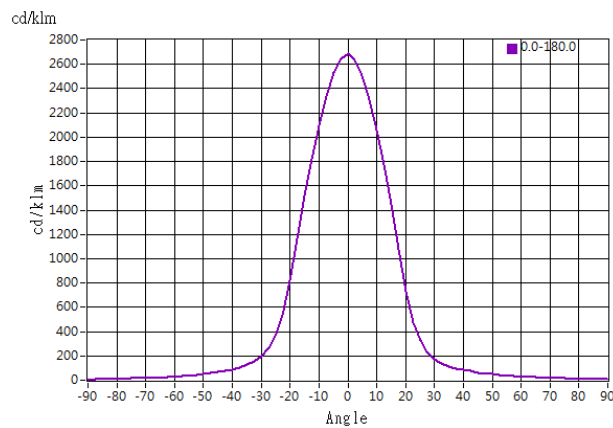




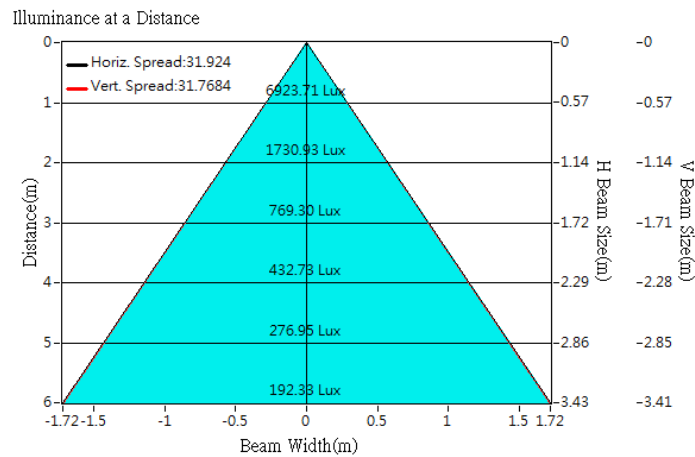
Optical Characteristics

Model Number	CKO-CS15-075033-4005		
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	32°		
Field Angle (D10)	54°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2577 lm	Measured @ 27 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

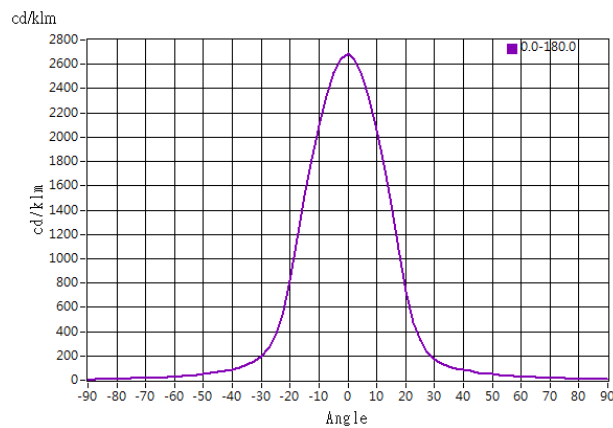




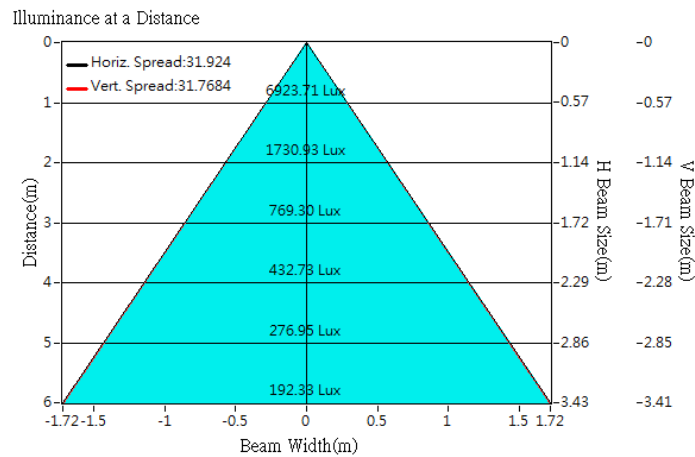
Optical Characteristics

Model Number	CKO-CS15-075033-4005		
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	32°		
Field Angle (D10)	54°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2577 lm	Measured @ 27 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

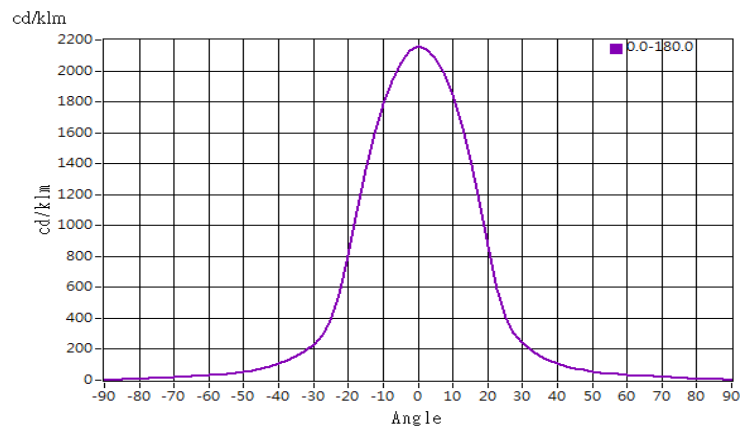




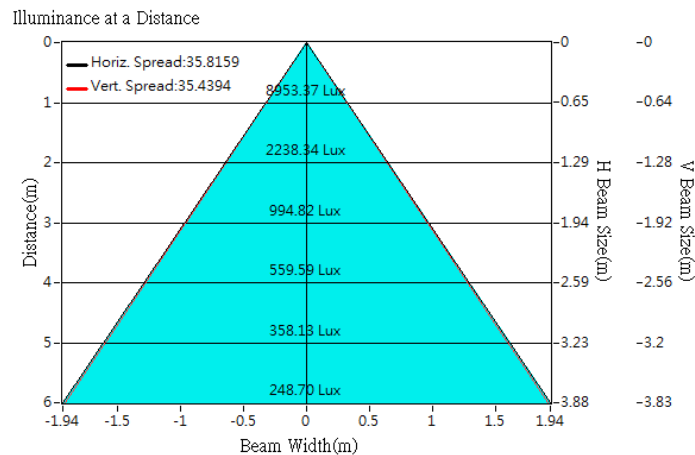
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM 1211 L19 G6		
LES / LED Size	Φ 19 mm		
FWHM (D50)	36°		
Field Angle (D10)	62°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	4151 lm	Measured @ 36.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

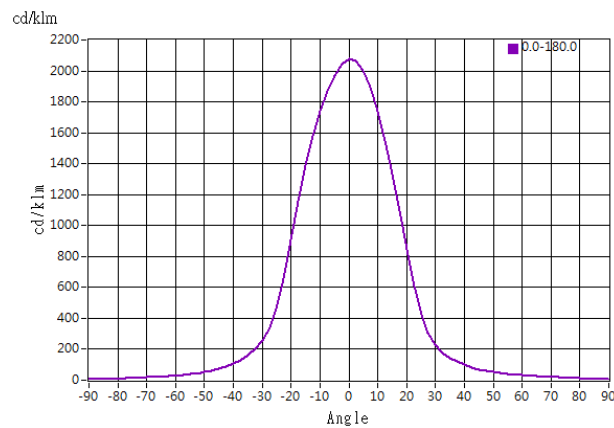




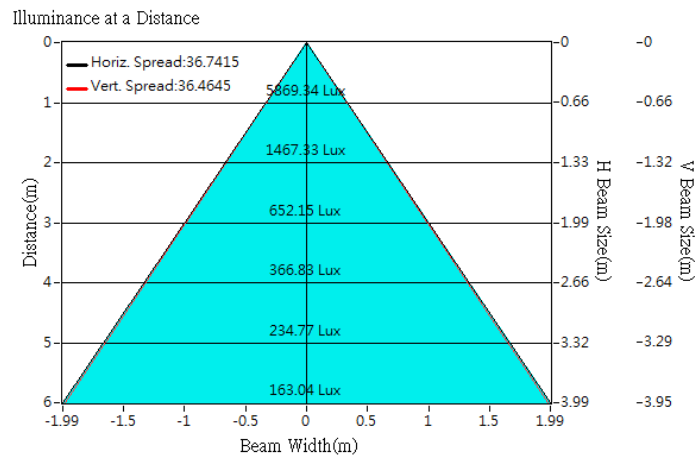
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM C 1211 L19 2828 G6_DL		
LES / LED Size	Φ 19 mm		
FWHM (D50)	37°		
Field Angle (D10)	63°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2823 lm	Measured @ 35.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

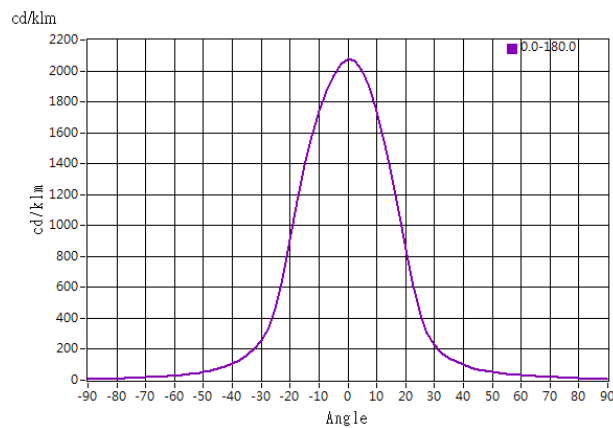




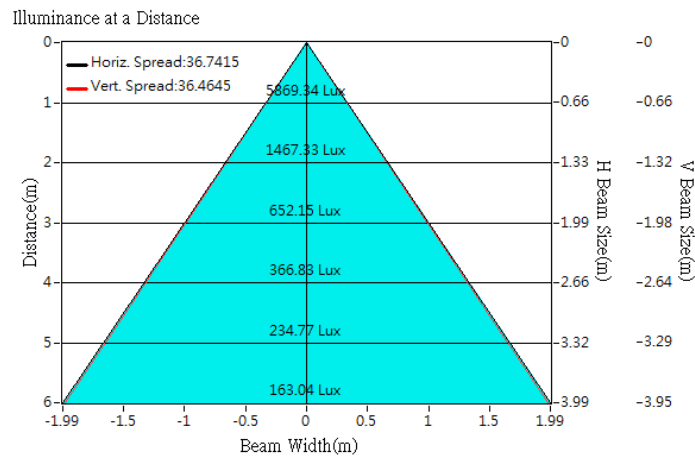
Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p>
LED	Fortimo SLM C 1211 L19 2828 G6_PI		
LES / LED Size	Φ 19 mm		
FWHM (D50)	37°		
Field Angle (D10)	63°		
H (distance)	3.5 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	2823 lm	Measured @ 35.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

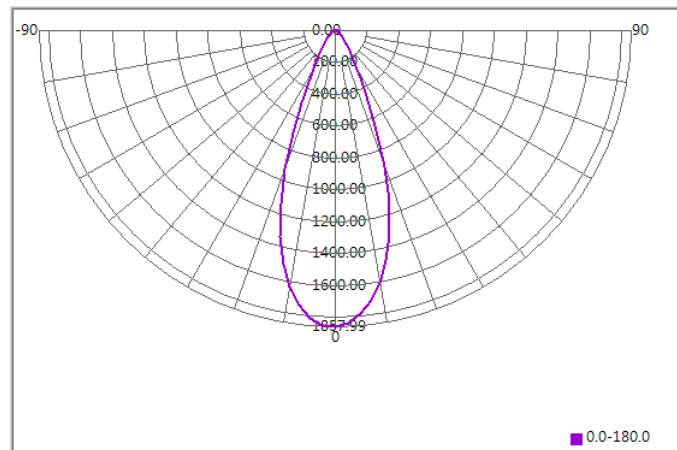




Optical Characteristics

Model Number	CKO-CS15-075033-4005		<p>"H" definition</p> <p>LES CoB "H" mm (distance)</p>
LED	Fortimo SLM 1211 L22 G7N		
LES / LED Size	Φ 22 mm		
FWHM (D50)	40°		
Field Angle (D10)	69°		
H (distance)	3.65 mm		
Dimension	Φ =75 mm, Thickness= 33 mm		
Luminous Flux	3830 lm	Measured @ 34.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

