



Product Model Number

CKO-CS15-060027-4201

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

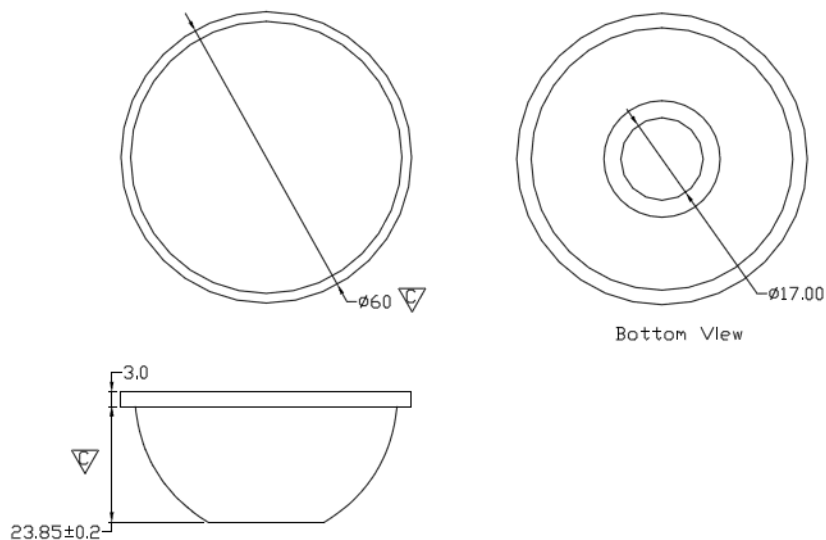


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ60 x 26.85



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

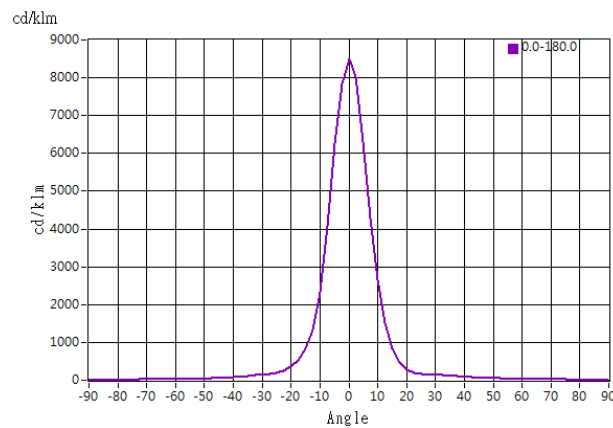
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1203 L09 G6	Φ9	14°	30°
Fortimo SLM 1203 L09 G6_DL	Φ9	15°	29°
Fortimo SLM 1203 L09 G6_PI	Φ9	15°	29°
Fortimo SLM PW 1204 L09 G7	Φ9	15°	29°
Fortimo SLM 1201 L09 G7N	Φ9.8	15°	31°
Fortimo SLM 1202 L09 G7N	Φ9.8	16°	34°
Fortimo SLM 1204 L09 G7N	Φ9.8	16°	33°
Fortimo SLM 1205 L13 G7	Φ13	21°	42°
Fortimo SLM PW 1205 L13 G6	Φ13	21°	42°
Fortimo SLM PW 1205 L13 G6_DL	Φ13	22°	42°
Fortimo SLM PW 1205 L13 G6_PI	Φ13	22°	42°
Fortimo SLM 1205 L15 G7N	Φ14.5	23°	45°
Fortimo SLM 1206 L15 G7N	Φ14.5	24°	45°
Fortimo SLM 1208 L15 G7N	Φ14.5	22°	44°
Fortimo SLM 1210 L15 G7N	Φ14.5	23°	45°
Fortimo SLM 1208 L15 G7	Φ15	23°	46°
Fortimo SLM 1208 L15 G6	Φ15	23°	45°
Fortimo SLM 1208 L15 G6_DL	Φ15	24°	46°
Fortimo SLM 1208 L15 G6_PI	Φ15	24°	46°



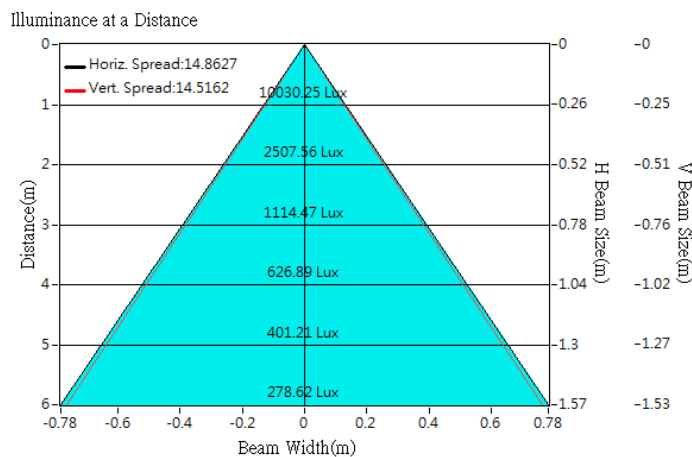
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G6		
LES / LED Size	Φ 9 mm		
FWHM (D50)	14°		
Field Angle (D10)	30°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1182 lm	Measured @ 10.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

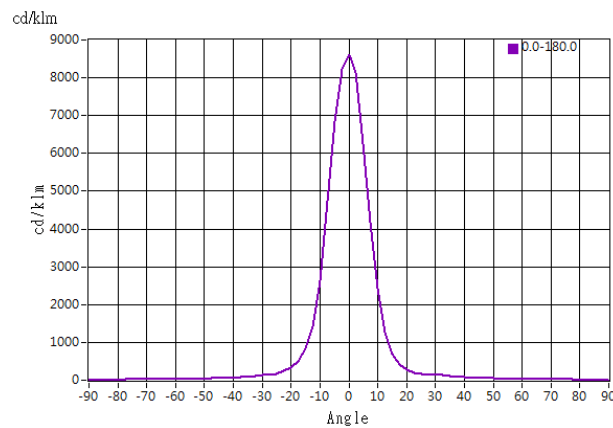




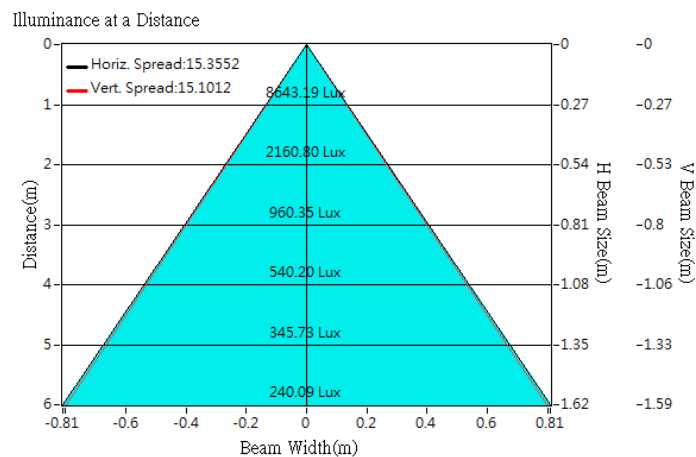
Optical Characteristics

Model Number	CKO-CS15-060027-4201		
LED	Fortimo SLM C 1203 L09 1619 G6_DL		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	29°		
H (distance)	3.5 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1003 lm	Measured @ 10.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

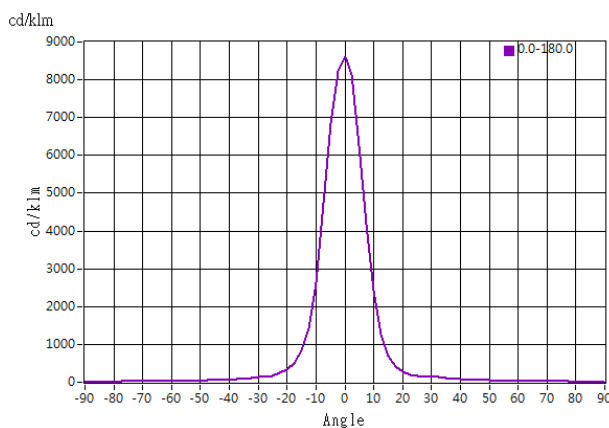




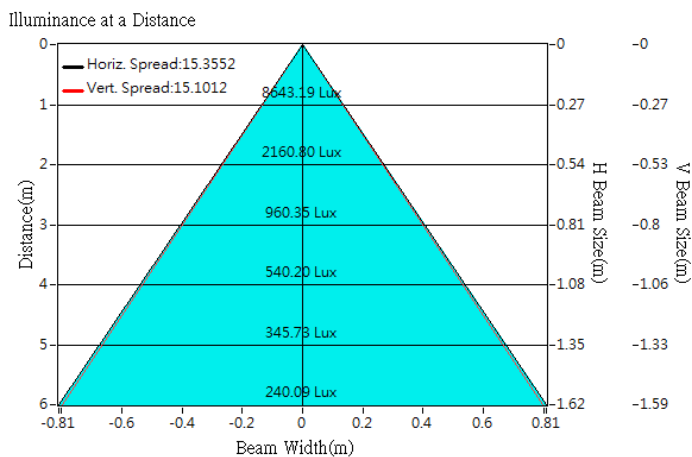
Optical Characteristics

Model Number	CKO-CS15-060027-4201		
LED	Fortimo SLM C 1203 L09 1619 G6_PI		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	29°		
H (distance)	3.5 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1003 lm	Measured @ 10.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

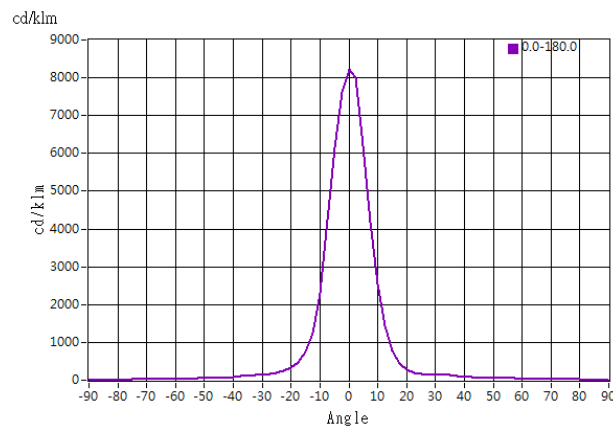




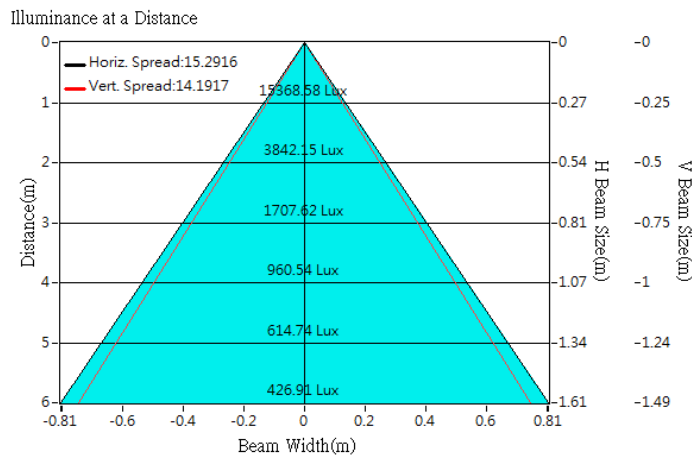
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	15°		
Field Angle (D10)	29°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1869 lm	Measured @ 21.6 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

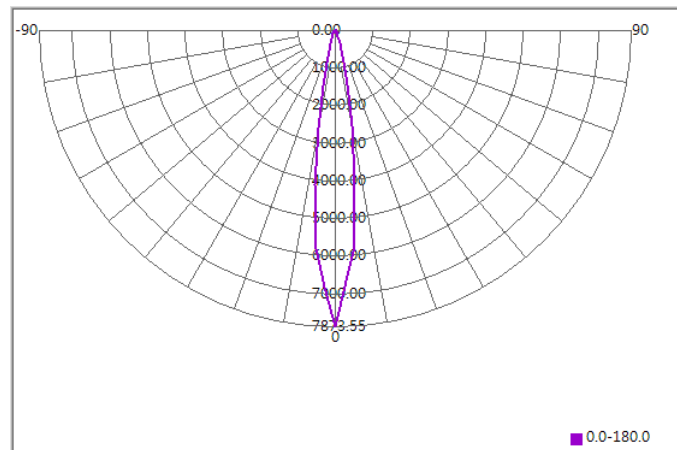




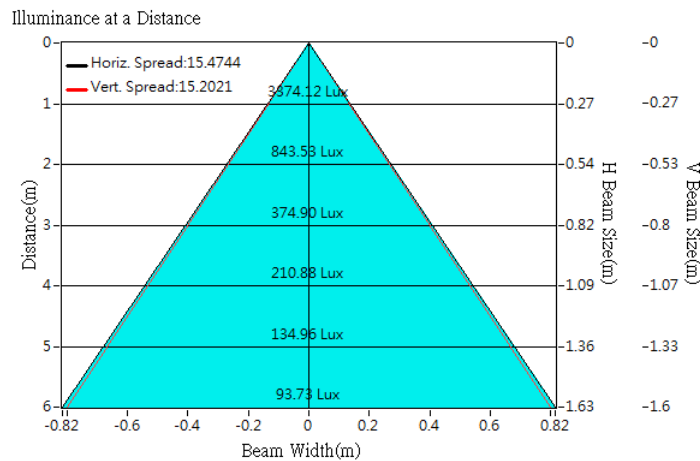
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p> <p>LES</p> <p>CoB</p> <p>"H" mm (distance)</p>
LED	Fortimo SLM 1201 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	15°		
Field Angle (D10)	31°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	428 lm	Measured @ 3.0 W	
Material	PC / UL94V2		

cd/klm

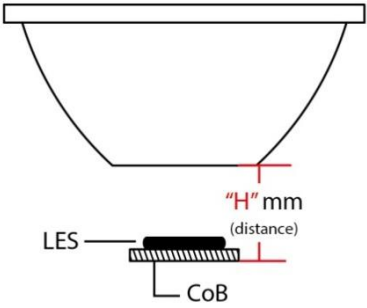


Illuminance At Distances

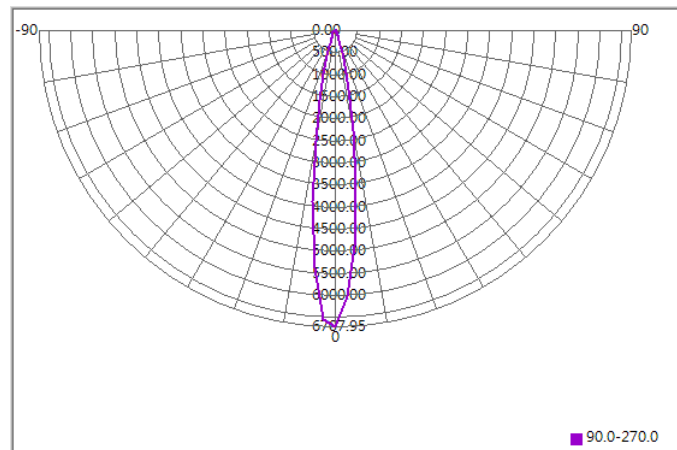




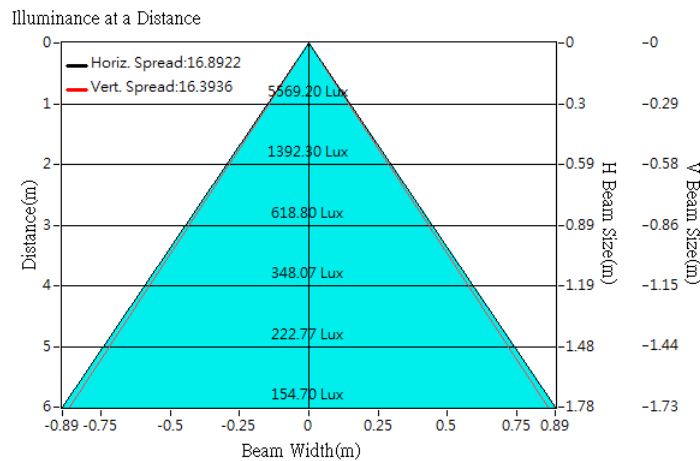
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<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 =60 mm, Thickness=26.85 mm		
Luminous Flux	830 lm	Measured @ 6.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

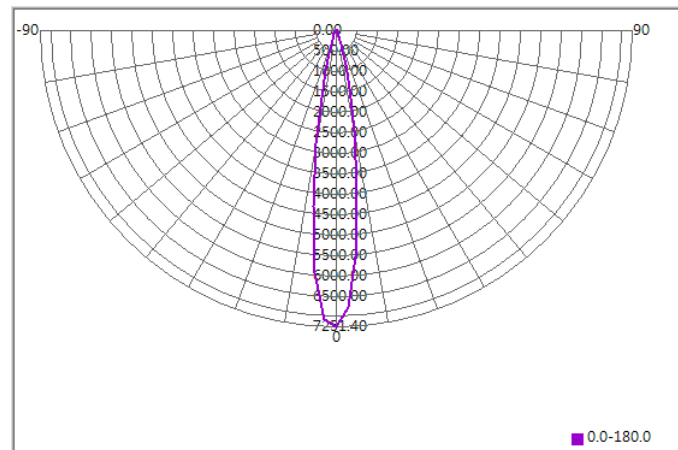




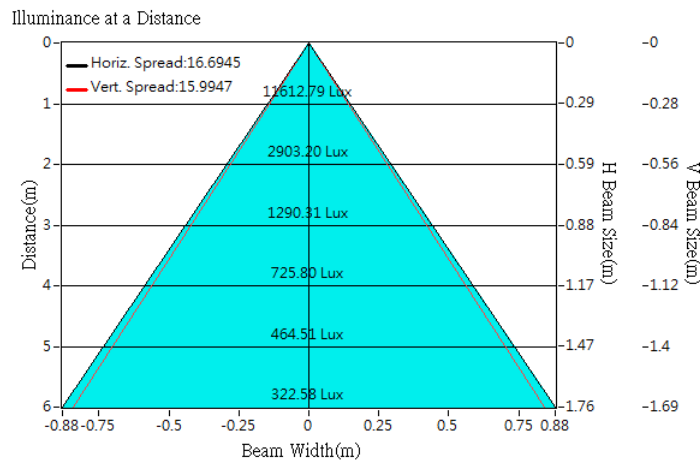
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p> <p>LES CoB</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 =60 mm, Thickness=26.85 mm		
Luminous Flux	1601 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

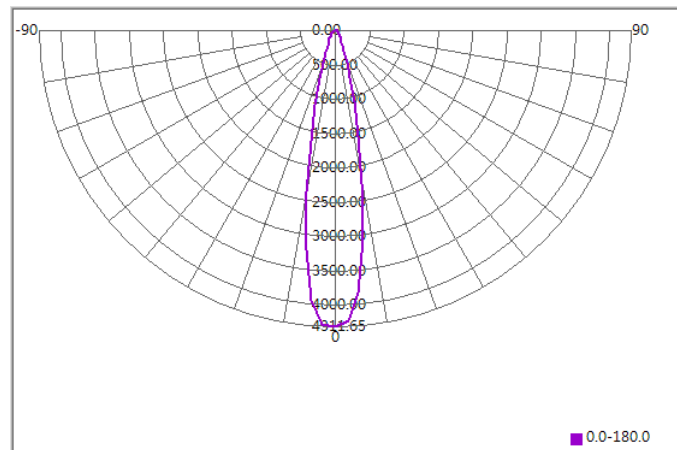




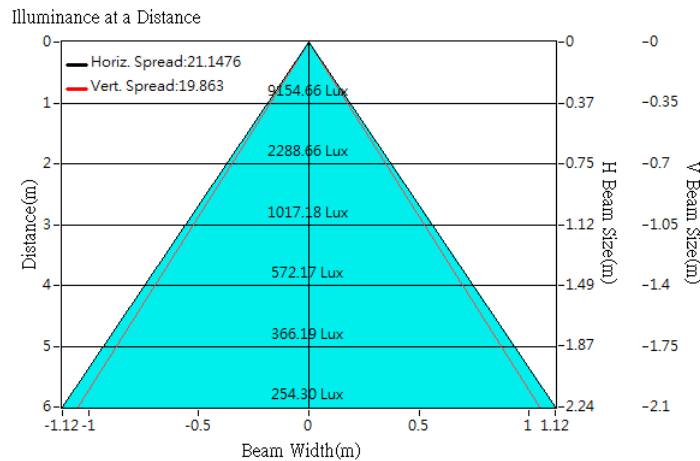
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	21°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2123 lm	Measured @ 17.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

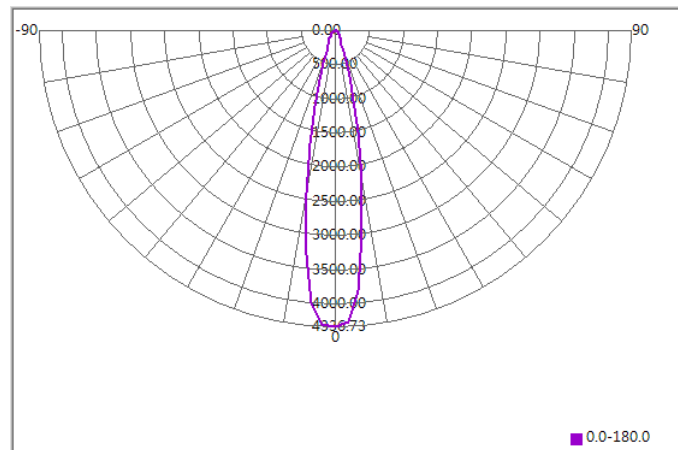




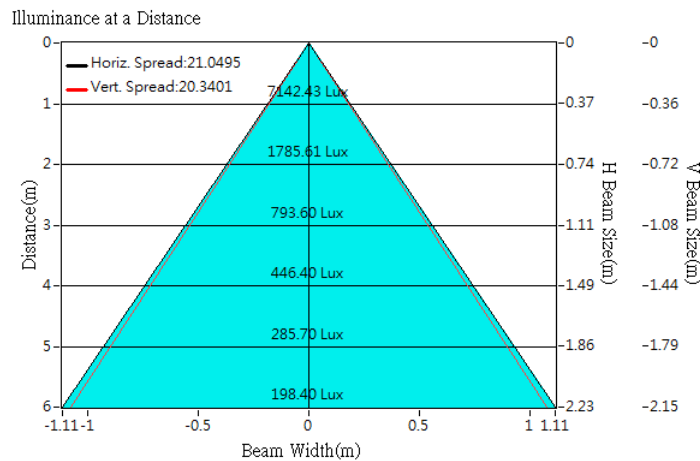
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	21°		
Field Angle (D10)	42°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	1646 lm	Measured @ 13.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

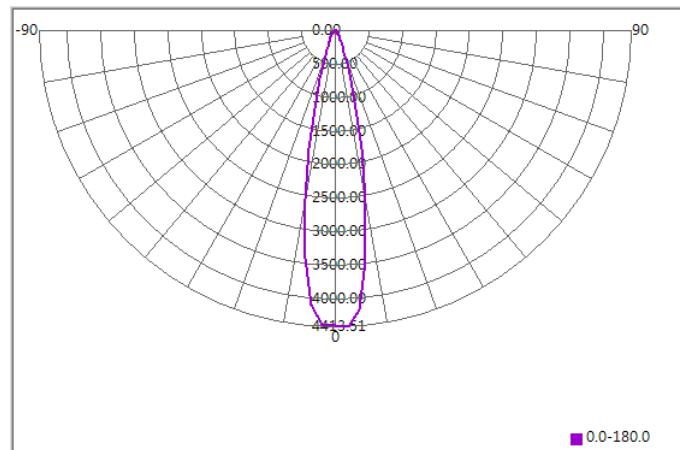




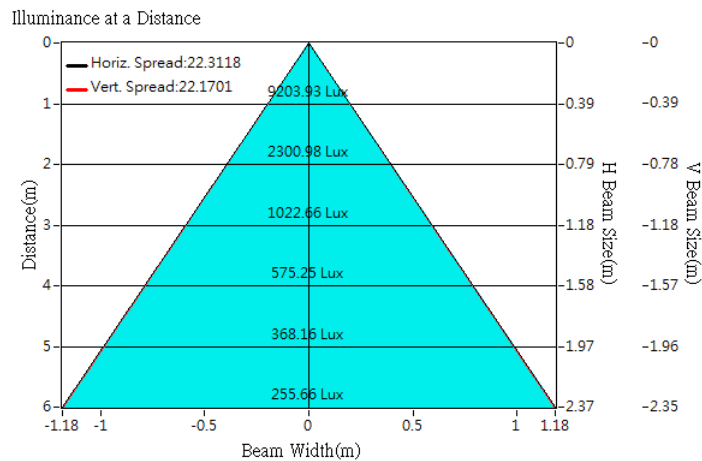
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	22°		
Field Angle (D10)	42°		
H (distance)	3.5 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2091 lm	Measured @ 17.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

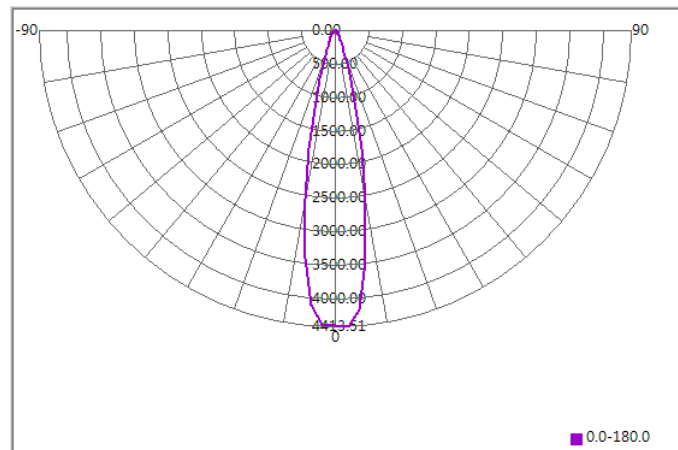




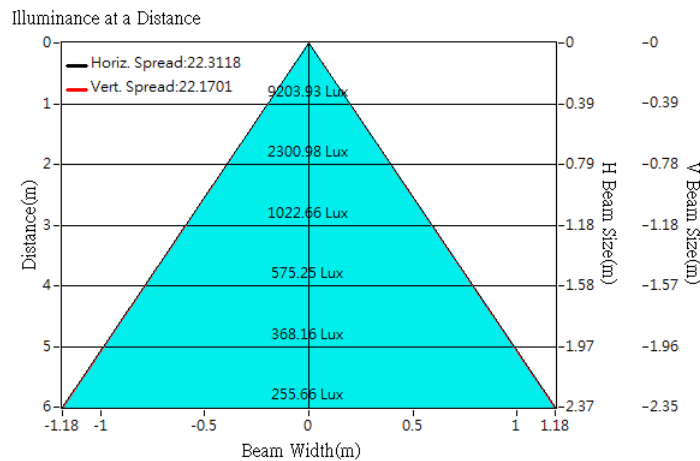
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	22°		
Field Angle (D10)	42°		
H (distance)	3.5 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2091 lm	Measured @ 17.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

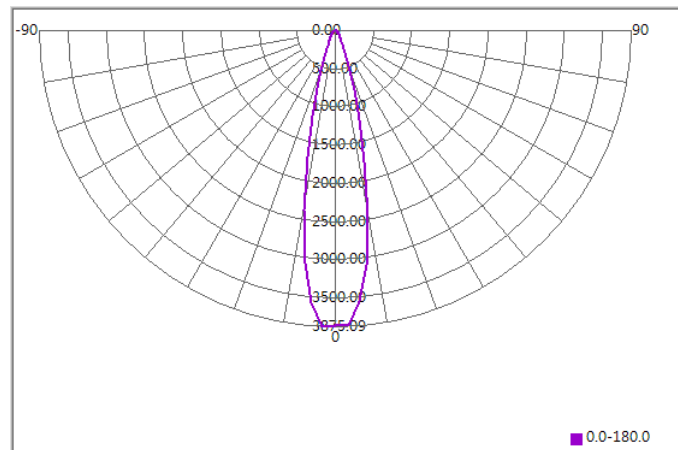




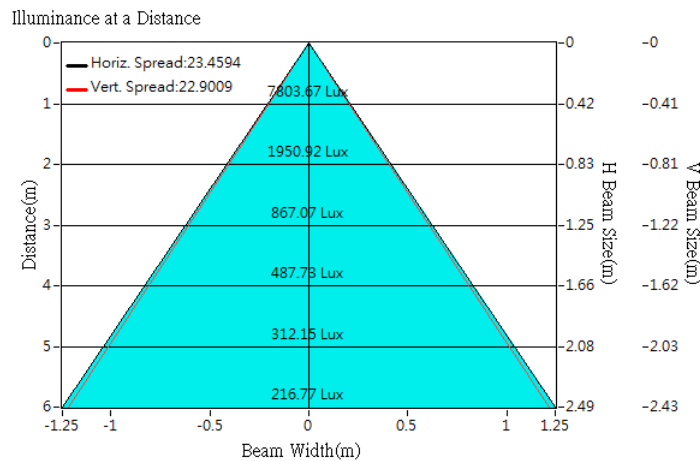
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2025 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

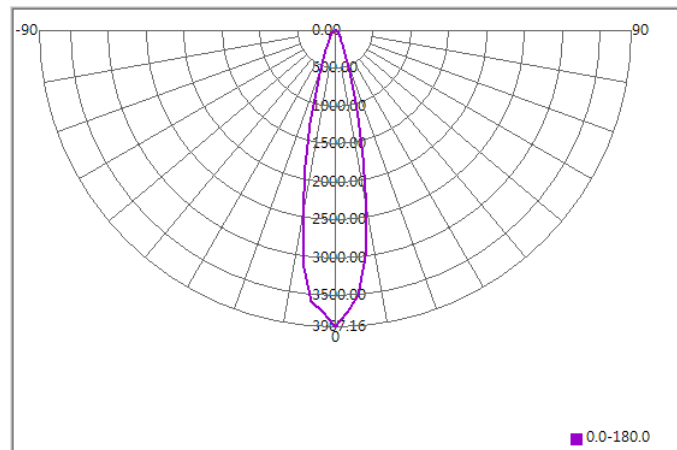




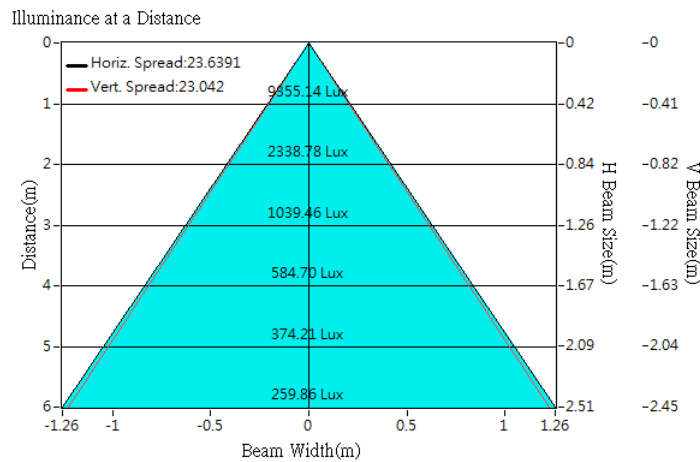
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	24°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2394 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

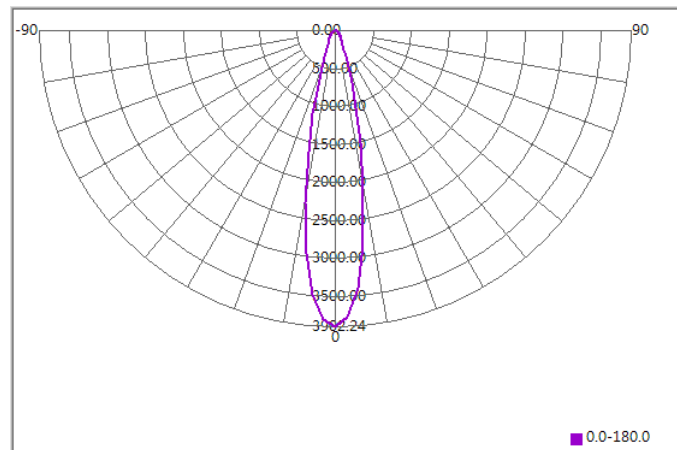




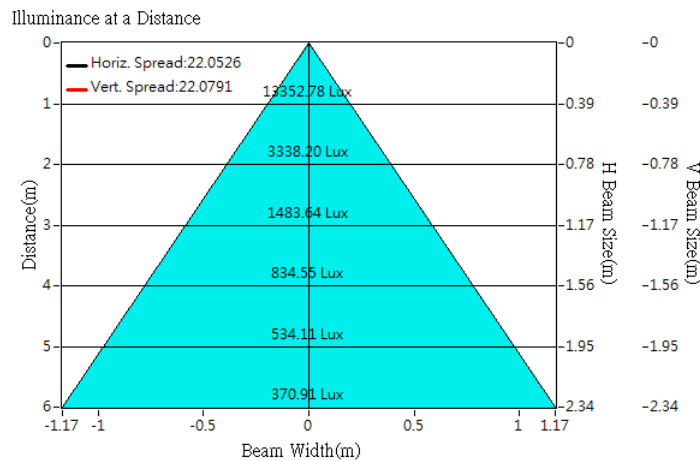
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	22°		
Field Angle (D10)	44°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	3421 lm	Measured @ 24.7 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

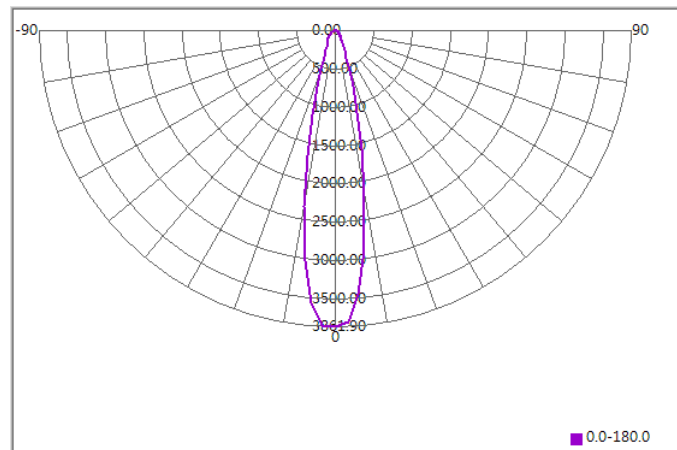




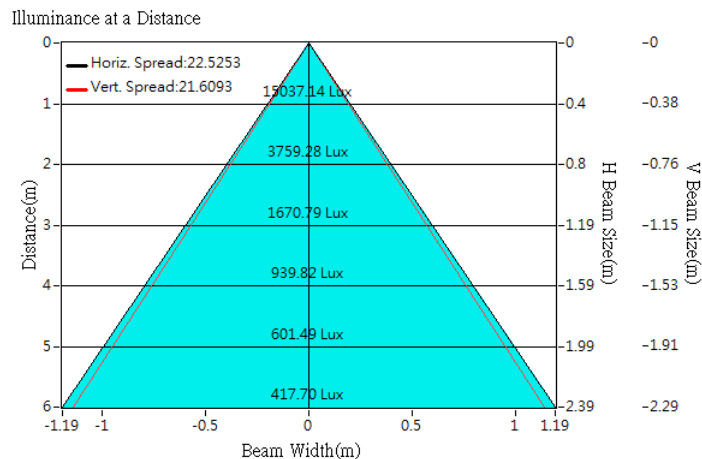
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM 1210 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	23°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	3893 lm	Measured @ 31.1 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

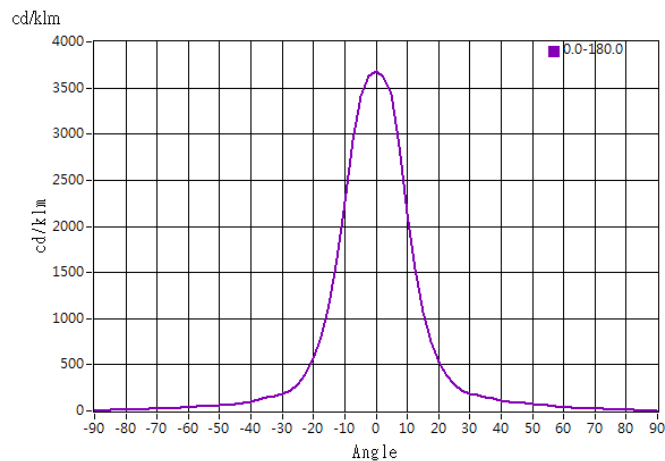




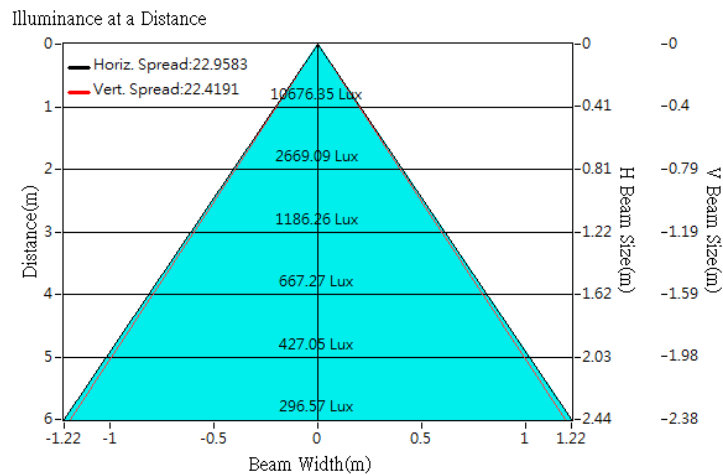
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G7		
LES / LED Size	Φ 15 mm		
FWHM (D50)	23°		
Field Angle (D10)	46°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2901 lm	Measured @ 25.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

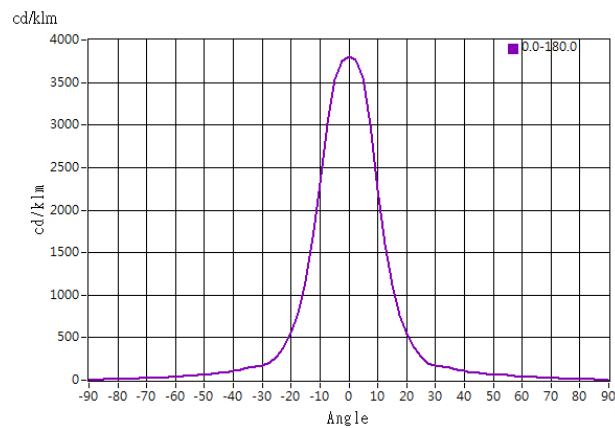




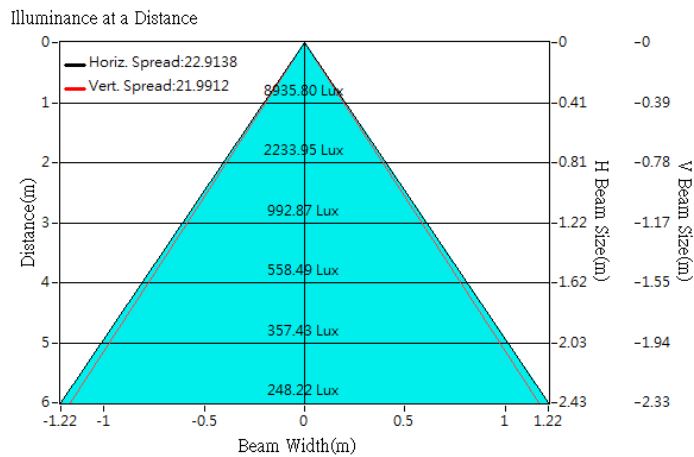
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p>
LED	Fortimo SLM 1208 L15 G6		
LES / LED Size	Φ 15 mm		
FWHM (D50)	23°		
Field Angle (D10)	45°		
H (distance)	3.65 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2348 lm	Measured @ 26.9 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

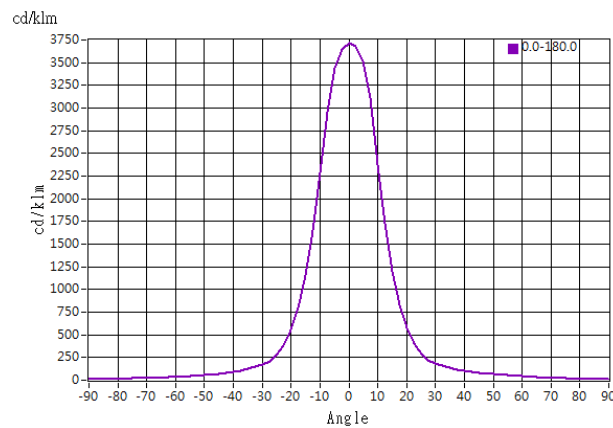




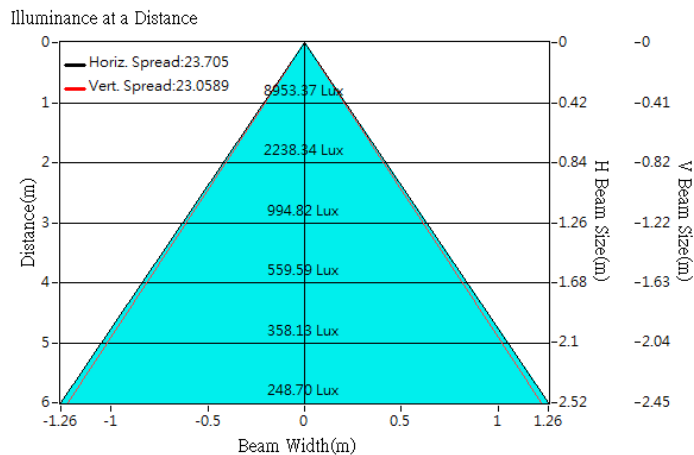
Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM C 1208 L15 2024 G6_DL		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	46°		
H (distance)	3.5 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2412 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

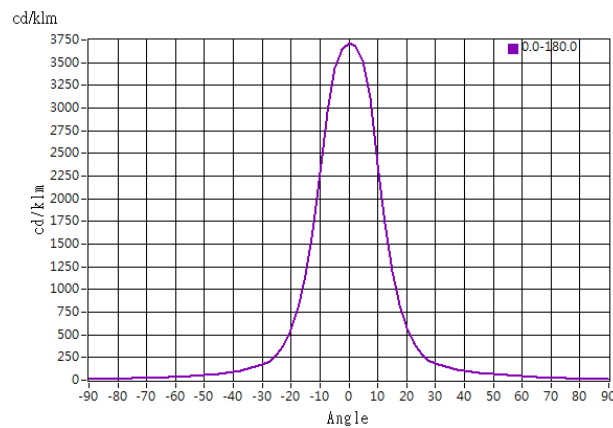




Optical Characteristics

Model Number	CKO-CS15-060027-4201		<p>"H" definition</p> <p>LES</p> <p>CoB</p>
LED	Fortimo SLM C 1208 L15 2024 G6_PI		
LES / LED Size	Φ 15 mm		
FWHM (D50)	24°		
Field Angle (D10)	46°		
H (distance)	3.5 mm		
Dimension	Φ =60 mm, Thickness=26.85 mm		
Luminous Flux	2412 lm	Measured @ 26.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

