



Product Model Number

CKO-CH17-060033-0201

✓ Model Number Definitions

CKO-XXXX-XXXXXX-XXXX

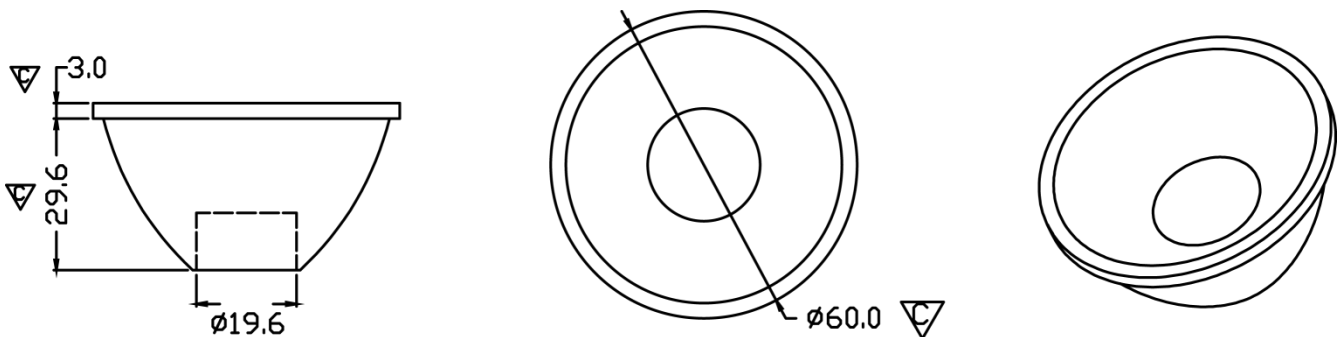


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation
Ex:
CH→CoB High Intensity
CC→CoB Compact
CS→Soft Shading for CoB LED
HC→Holder for CoB LED

- 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) : Φ 60 x 32.6



▽:Critical Dimension



✓ Optical Characteristics – Angle Performances

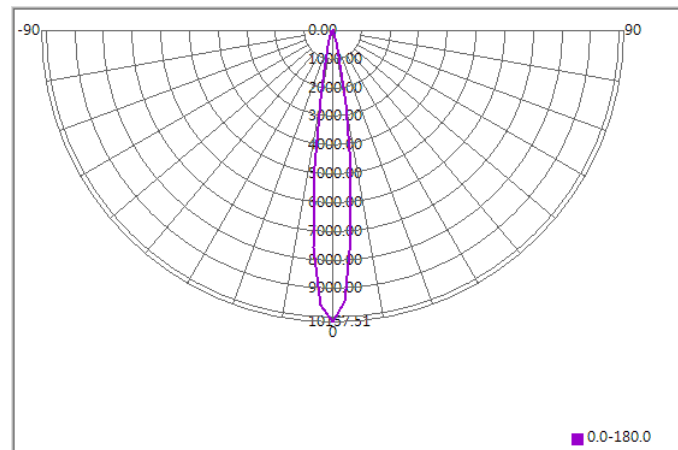
Philips	LED LES (mm)	FWHM (degrees)	Field Angle (degrees)
Fortimo SLM 1203 L09 G6	Φ9	14°	28°
Fortimo SLM 1203 L09 G6_DL	Φ9	13°	28°
Fortimo SLM 1203 L09 G6_PI	Φ9	13°	28°
Fortimo SLM PW 1204 L09 G7	Φ9	14°	29°
Fortimo SLM 1201 L09 G7N	Φ9.8	14°	30°
Fortimo SLM 1202 L09 G7N	Φ9.8	14°	31°
Fortimo SLM 1203 L09 G7N	Φ9.8	15°	31°
Fortimo SLM 1204 L09 G7N	Φ9.8	14°	30°
Fortimo SLM 1205 L13 G7	Φ13	19°	44°
Fortimo SLM PW 1205 L13 G6	Φ13	21°	44°
Fortimo SLM 1205 L15 G7N	Φ14.5	22°	46°
Fortimo SLM 1206 L15 G7N	Φ14.5	22°	46°
Fortimo SLM 1208 L15 G7N	Φ14.5	22°	48°
Fortimo SLM 1210 L15 G7N	Φ14.5	21°	46°



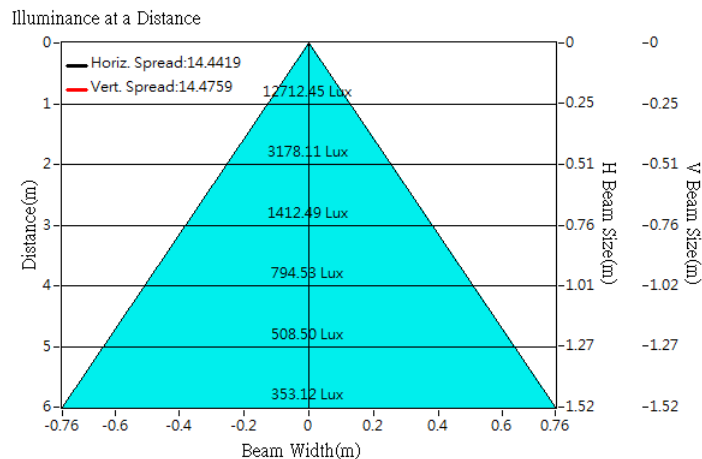
Optical Characteristics

Model Number	CKO-CH17-060033-0201	<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G6	
LES / LED Size	Φ 9 mm	
FWHM (D50)	14°	
Field Angle (D10)	28°	
H (distance)	3.65mm	
Dimension	Φ =60 mm, Thickness=32.6 mm	
Luminous Flux	1252 lm	
Material	PC / UL94V2	

cd/klm

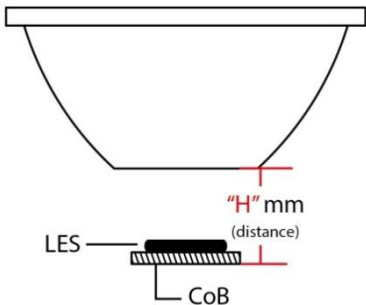


Illuminance At Distances

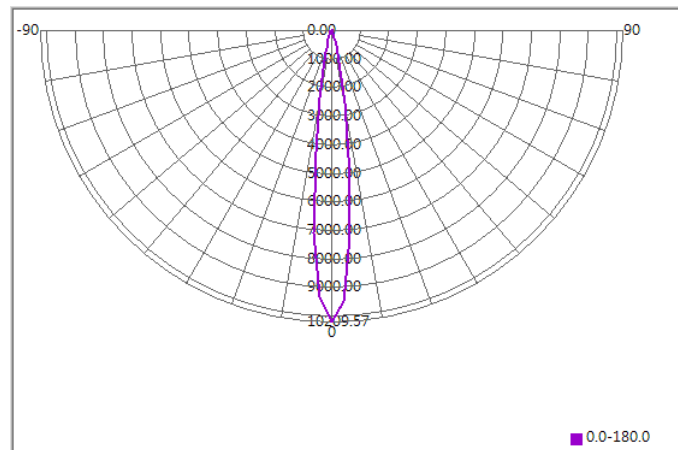




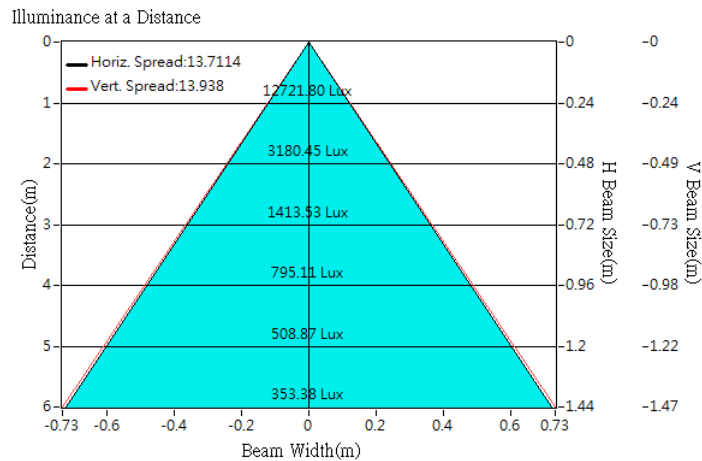
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> 
LED	Fortimo SLM C 1203 L09 1619 G6_DL		
LES / LED Size	Φ 9 mm		
FWHM (D50)	13°		
Field Angle (D10)	28°		
H (distance)	3.5mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1246 lm	Measured @ 10.3 W	
Material	PC / UL94V2		

cd/klm

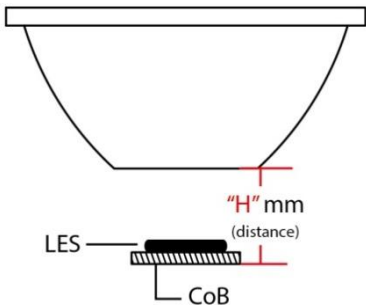


Illuminance At Distances

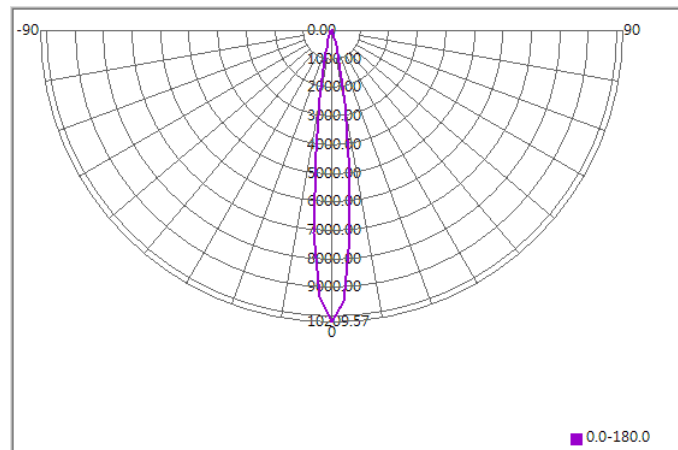




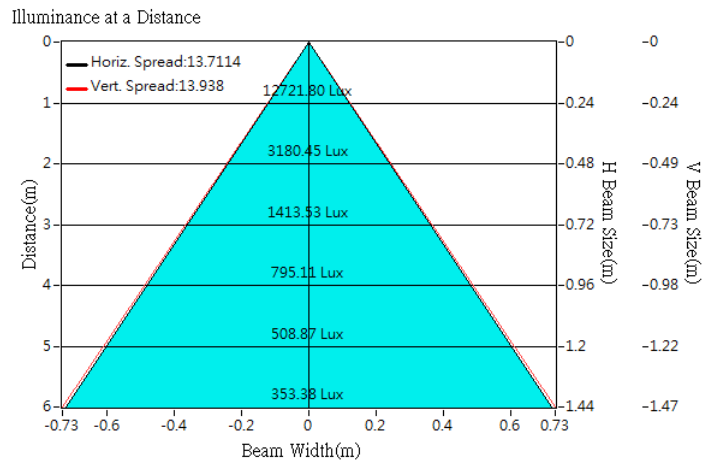
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> 
LED	Fortimo SLM C 1203 L09 1619 G6_PI		
LES / LED Size	Φ 9 mm		
FWHM (D50)	13°		
Field Angle (D10)	28°		
H (distance)	3.5mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1246 lm	Measured @ 10.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

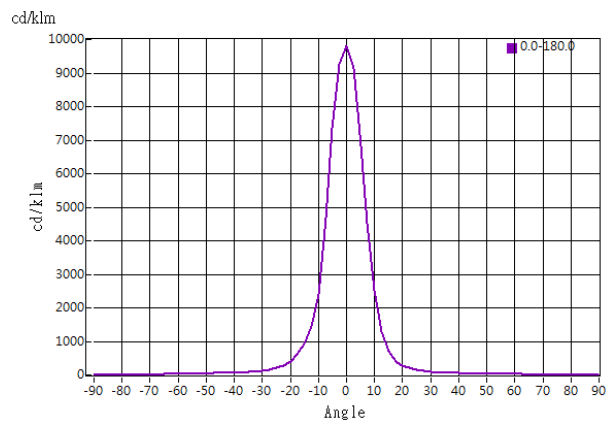




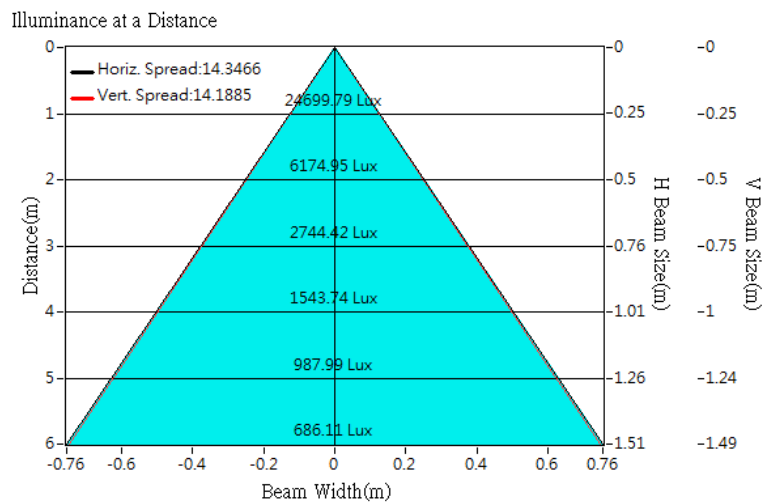
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p>
LED	Fortimo SLM PW 1204 L09 G7		
LES / LED Size	Φ 9 mm		
FWHM (D50)	14°		
Field Angle (D10)	29°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	2513 lm	Measured @ 25.5 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

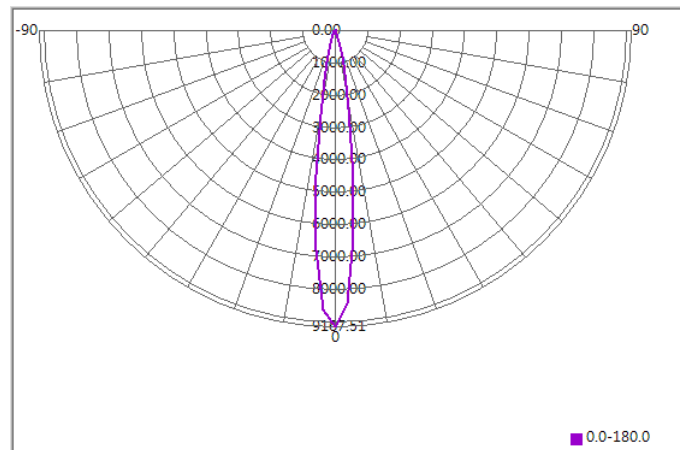




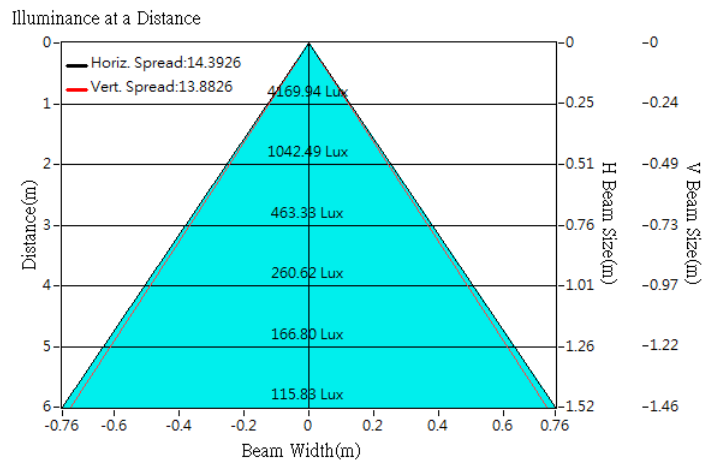
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p>
LED	Fortimo SLM 1201 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	14°		
Field Angle (D10)	30°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	454 lm	Measured @ 3.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

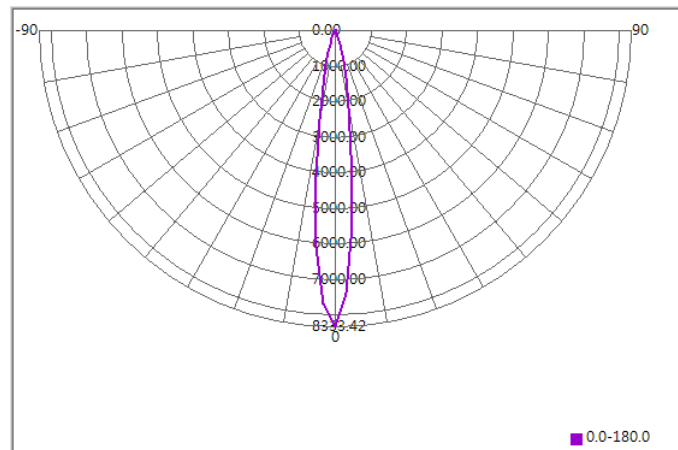




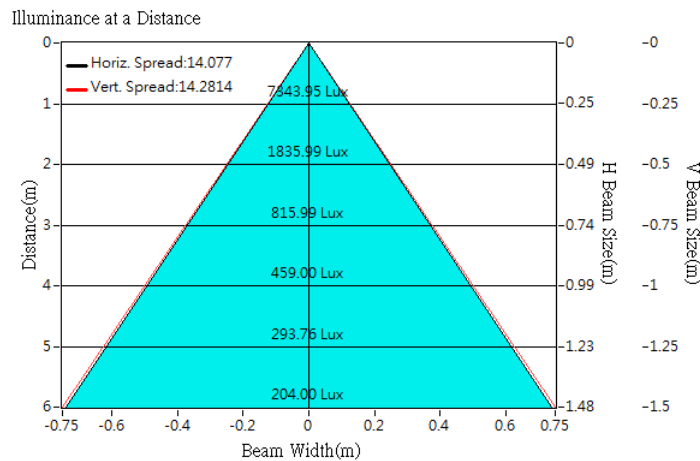
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p>
LED	Fortimo SLM 1202 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	14°		
Field Angle (D10)	31°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	881 lm	Measured @ 6.2 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

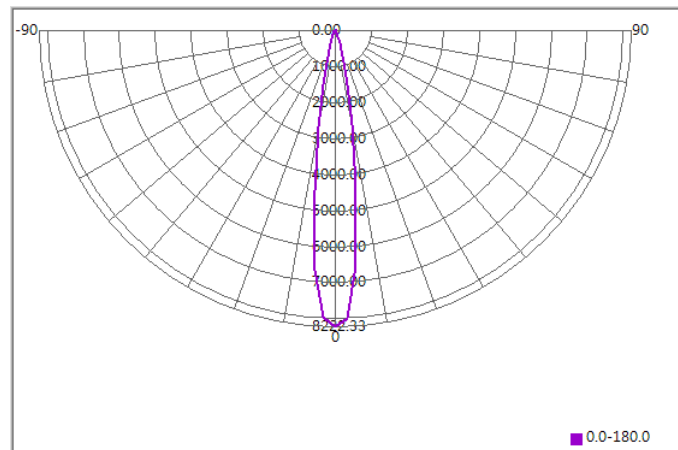




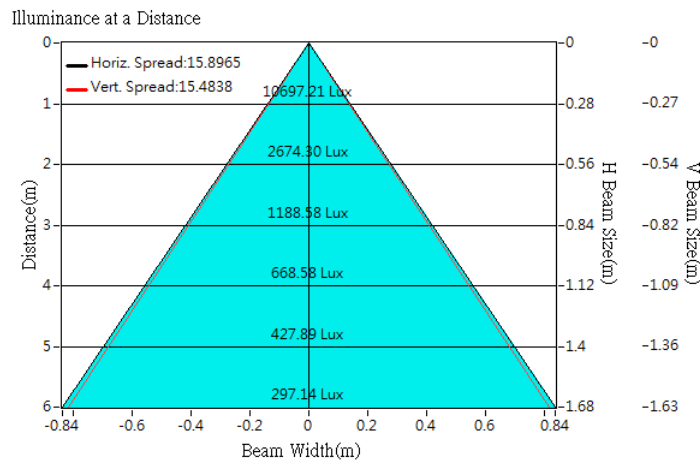
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p>
LED	Fortimo SLM 1203 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	15°		
Field Angle (D10)	31°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1300 lm	Measured @ 9.27 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

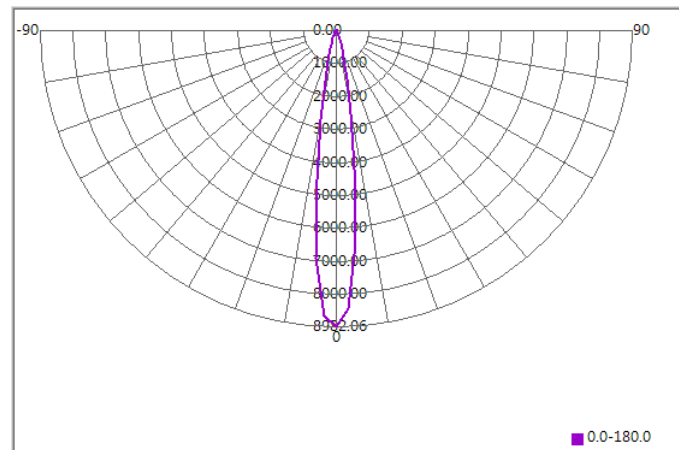




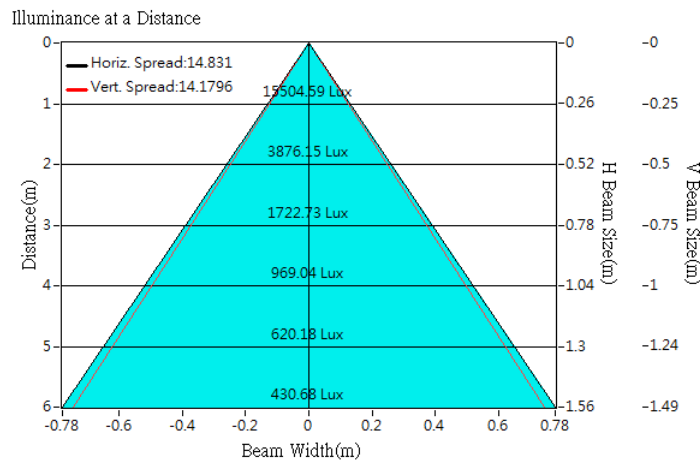
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p>
LED	Fortimo SLM 1204 L09 G7N		
LES / LED Size	Φ 9.8 mm		
FWHM (D50)	14°		
Field Angle (D10)	30°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1726 lm	Measured @ 12.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

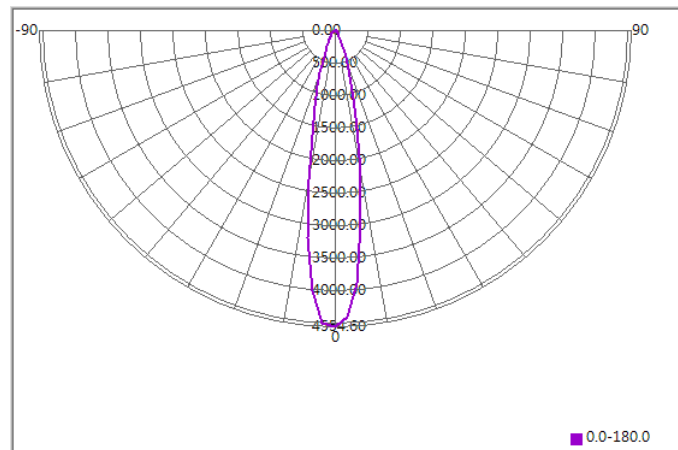




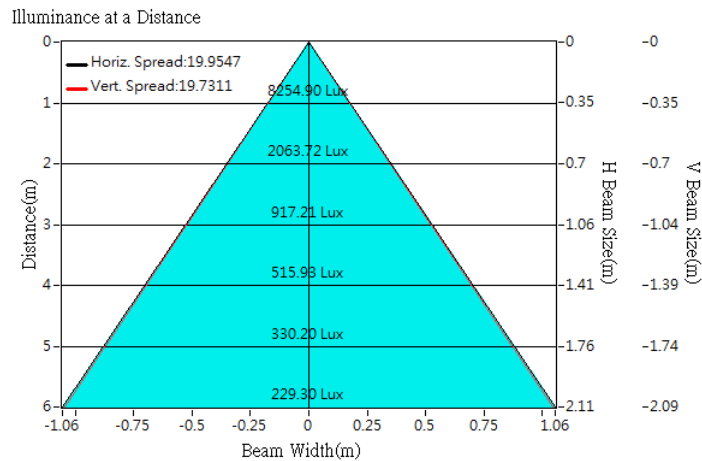
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 830 1205 L13 G7		
LES / LED Size	Φ 13 mm		
FWHM (D50)	19°		
Field Angle (D10)	44°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1812 lm	Measured @ 17.3 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

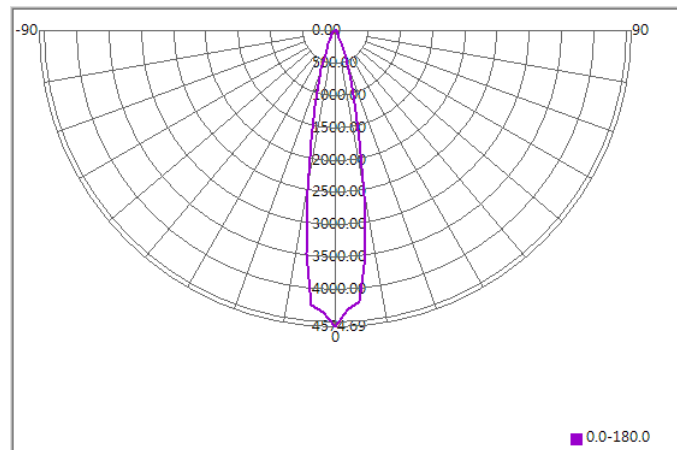




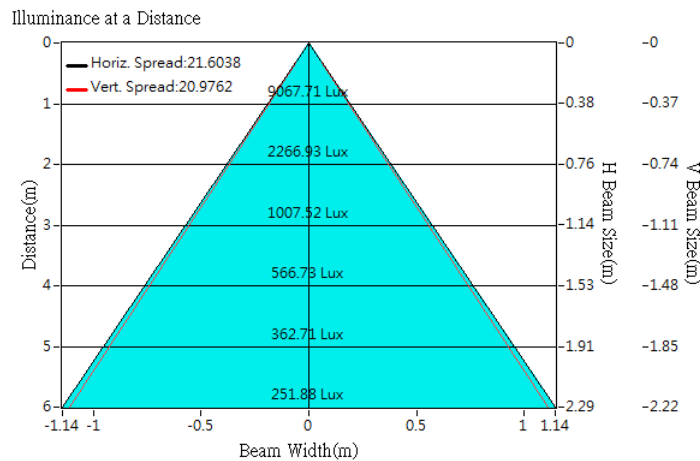
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p>
LED	Fortimo SLM PW 1205 L13 G6		
LES / LED Size	Φ 13 mm		
FWHM (D50)	21°		
Field Angle (D10)	44°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	1982 lm	Measured @ 17.8 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

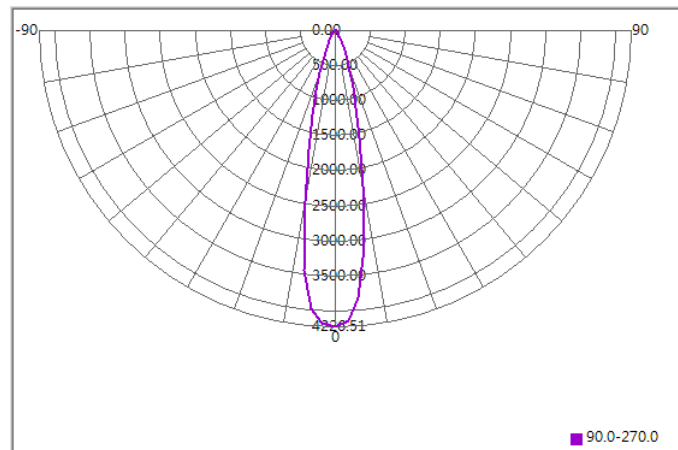




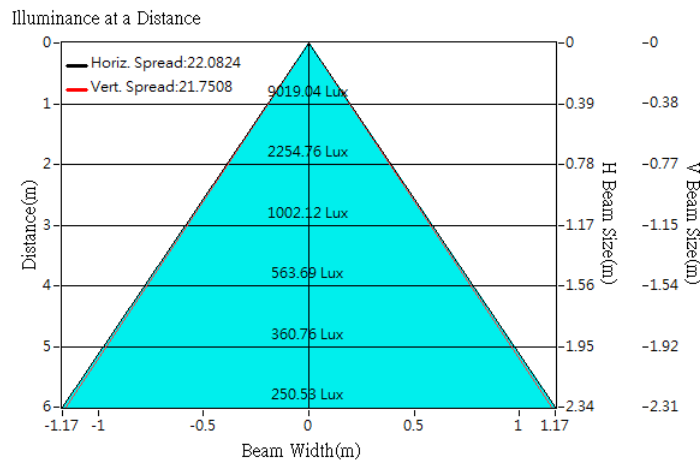
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> <p>LES CoB</p>
LED	Fortimo SLM 1205 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	22°		
Field Angle (D10)	46°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	2133 lm	Measured @ 15.4 W	
Material	PC / UL94V2		

cd/klm

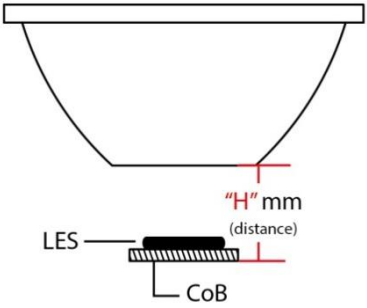


Illuminance At Distances

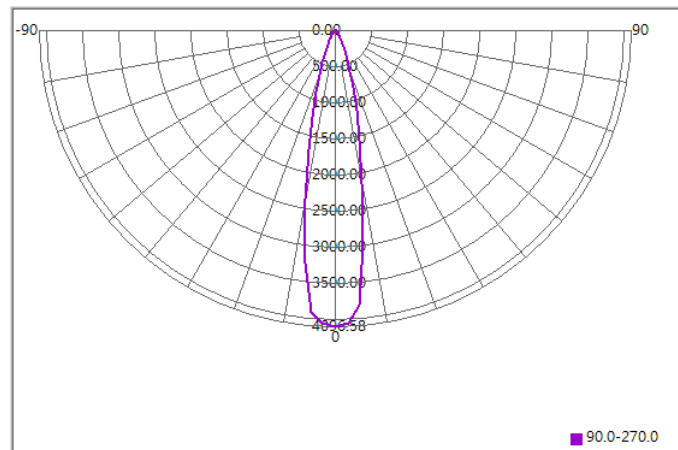




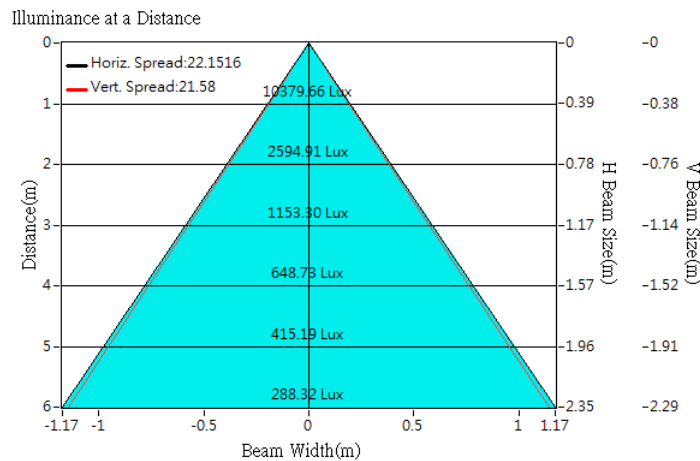
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> 
LED	Fortimo SLM 1206 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	22°		
Field Angle (D10)	46°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	2533 lm	Measured @ 18.5 W	
Material	PC / UL94V2		

cd/klm

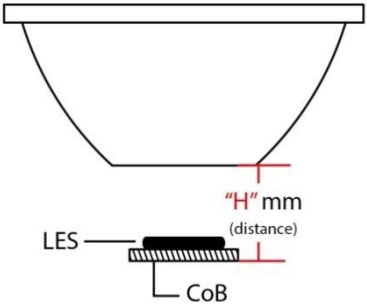


Illuminance At Distances

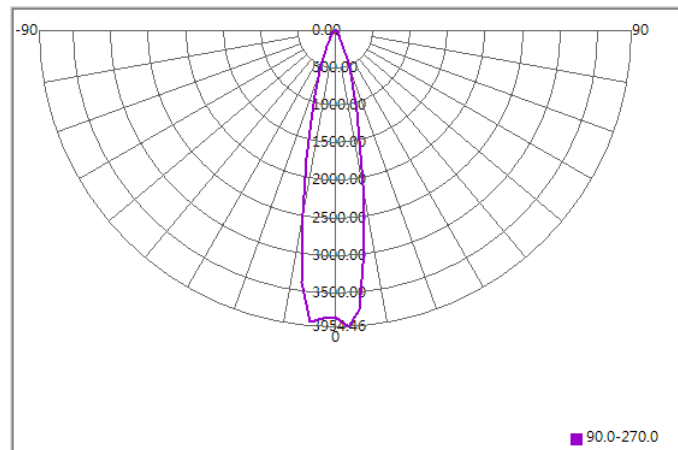




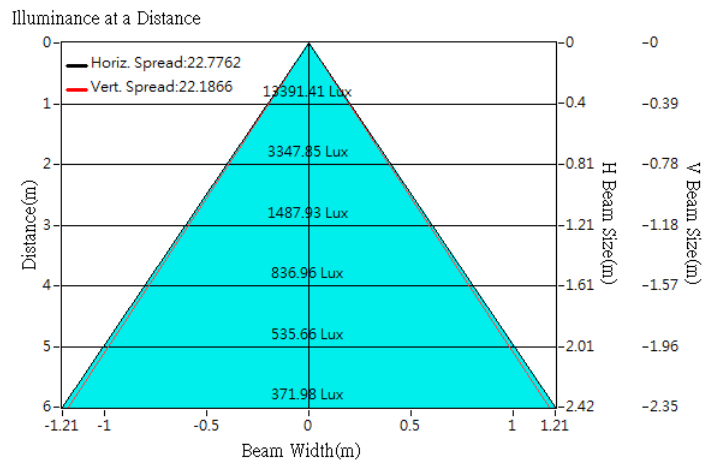
Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> 
LED	Fortimo SLM 1208 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	22°		
Field Angle (D10)	48°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	3493 lm	Measured @ 25.0 W	
Material	PC / UL94V2		

cd/klm

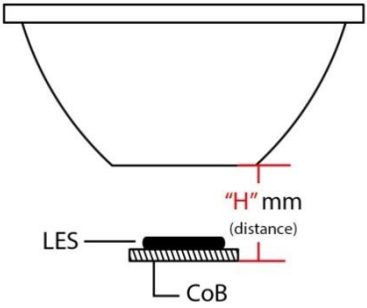


Illuminance At Distances

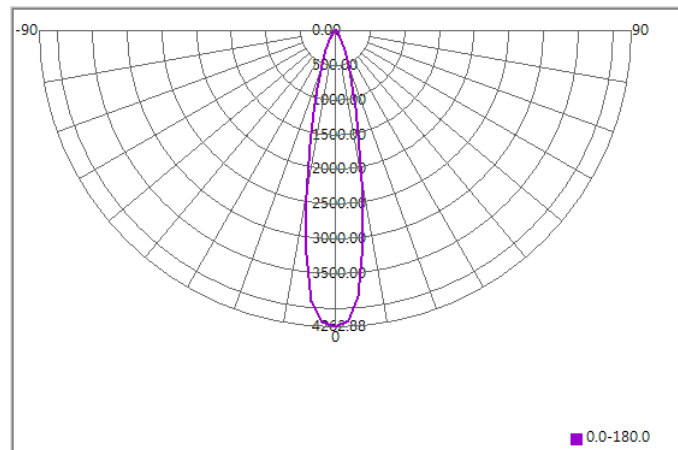




Optical Characteristics

Model Number	CKO-CH17-060033-0201		<p>"H" definition</p> 
LED	Fortimo SLM 1210 L15 G7N		
LES / LED Size	Φ 14.5 mm		
FWHM (D50)	21°		
Field Angle (D10)	46°		
H (distance)	3.65mm		
Dimension	Φ =60 mm, Thickness=32.6 mm		
Luminous Flux	3991 lm	Measured @ 31.0 W	
Material	PC / UL94V2		

cd/klm



Illuminance At Distances

