

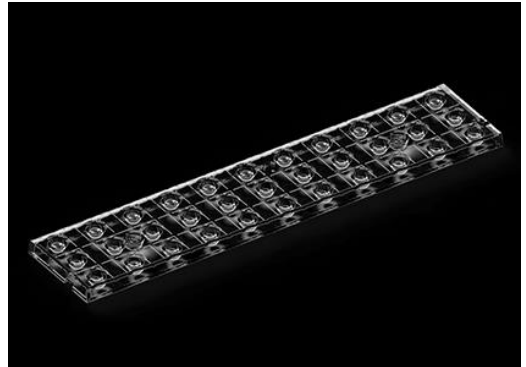


## Product Model Number

**CKO-MX16-286061-3301**

### ✓ Model Number Definitions

**CKO-XXXX-XXXXXX-XXXX**

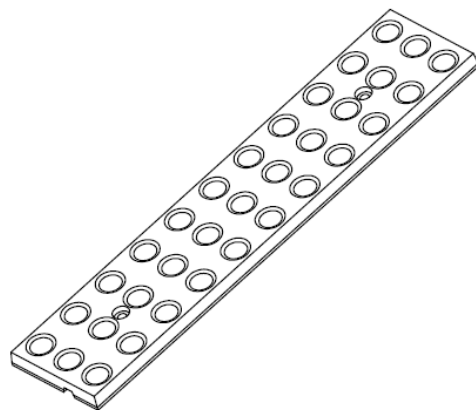
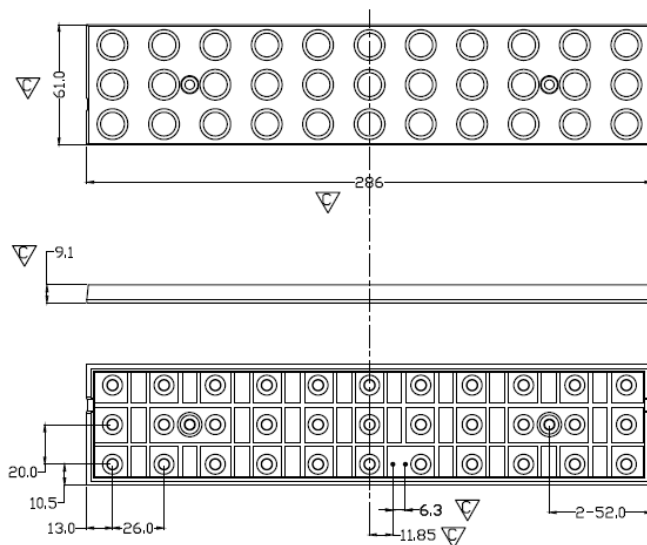


- A. Chun Kuang Optics Corp. Product
- B. Product Type: product abbreviation  
Ex:  
MX→Multi 33 in 1  
SW→Single Wall Washer  
CS→Soft Shading for CoB LED  
HC→Holder for CoB LED

- 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) : 286 x 61 x 9.1



▽:Critical Dimension



## UGR Example

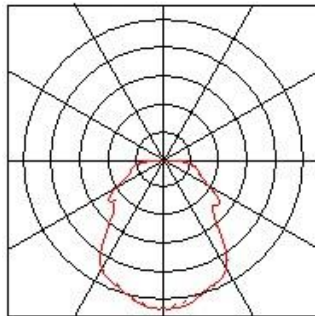
### Leuchtendaten

Leuchten-Wirkungsgrad : 560687%  
 Leuchten-Lichtausbeute : 5606.87 lm/W  
 Klassifikation : A40 ↓99.4% ↑0.6%  
 CIE Flux Codes : 48 75 91 99 560687  
 UGR 4H 8H : 14.6 / 17.5  
 Leistung : 1 W  
 Lichtstrom : 5606.9 lm

### Bestückung mit

Anzahl : 1  
 Bezeichnung : a  
 Farbe :  
 Lichtstrom : 1 lm

Abmessungen : 1000 mm x 1000 mm x 1000 mm



### Reflexionsgrade

Decke	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wände	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Boden	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

### Raum Abmessungen

x		Blick in C0 Richtung					Blick in C90 Richtung				
	y										
2H	2H	10.5	12.1	10.8	12.4	12.7	12.2	13.9	12.6	14.2	14.5
	3H	11.8	13.3	12.2	13.6	14.0	14.0	15.5	14.4	15.8	16.2
	4H	12.5	14.0	12.9	14.3	14.7	15.1	16.5	15.5	16.9	17.2
	6H	13.2	14.5	13.6	14.9	15.3	16.3	17.6	16.7	18.0	18.4
	8H	13.3	14.6	13.7	15.0	15.4	16.6	17.9	17.0	18.3	18.7
	12H	13.5	14.8	13.9	15.2	15.6	17.1	18.4	17.6	18.8	19.2
4H	2H	11.2	12.6	11.6	13.0	13.3	12.6	14.0	13.0	14.4	14.7
	3H	12.7	14.0	13.2	14.4	14.8	14.6	15.8	15.0	16.2	16.6
	4H	13.7	14.8	14.1	15.2	15.6	15.8	16.9	16.3	17.4	17.8
	6H	14.4	15.4	14.9	15.9	16.3	17.1	18.1	17.5	18.5	19.0
	8H	14.6	15.6	15.1	16.0	16.5	17.5	18.5	18.0	18.9	19.4
	12H	14.9	15.8	15.4	16.3	16.8	18.1	19.0	18.6	19.5	20.0
8H	4H	14.1	15.1	14.6	15.5	16.0	16.0	17.0	16.5	17.4	17.9
	6H	15.0	15.8	15.4	16.2	16.7	17.4	18.2	17.8	18.6	19.1
	8H	15.3	16.1	15.9	16.6	17.0	17.9	18.6	18.4	19.1	19.6
	12H	15.8	16.4	16.3	16.9	17.4	18.6	19.3	19.1	19.8	20.3
12H	4H	14.2	15.1	14.7	15.5	16.0	16.0	16.9	16.5	17.4	17.9
	6H	15.1	15.9	15.6	16.4	16.8	17.4	18.2	18.0	18.7	19.1
	8H	15.5	16.1	16.0	16.6	17.1	18.0	18.6	18.5	19.1	19.6

Abstand der Leuchten: 0.25

Aufgrund fehlender Symmetrie-Eigenschaften gelten die Werte nur für die angegebene Blickrichtung.



✓ **Optical Characteristics – Angle Performances**

<b>Philips</b>	<b>LED LES (mm)</b>	<b>FWHM (degrees)</b>	<b>Field Angle (degrees)</b>
Philips Fortimo 650lm 3R HV3	5.3 x 3.0	35°	78°
Fortimo LED Line 1ft 6501m 840 3R HV4	2.8 x 3.5	29°	70°
Fortimo LED Line 1ft 6501m 840 3R LV4	2.8 x 3.5	28°	70°
Fortimo LED Line 1ft 11001m 840 3R HV4F	3.0 x 5.0	36°	80°

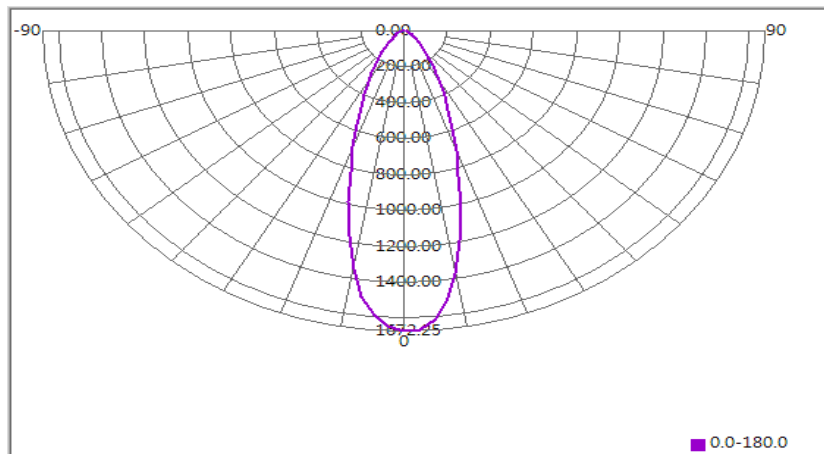




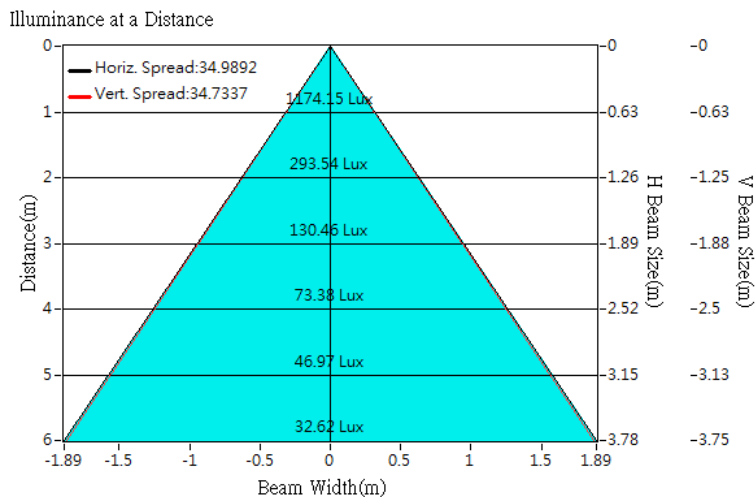
## Optical Characteristics

Model Number	CKO-MX16-286061-3301	
LED	<b>Philips Fortimo 650lm 3R HV3</b>	
LES / LED Size	5.3 x 3 mm	
FWHM (D50)	35°	
Field Angle (D10)	78°	
Dimension	wxh =286 x 61 mm, Thickness=9.1 mm	
Luminous Flux	702 lm	Measured @ 4.1 W
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

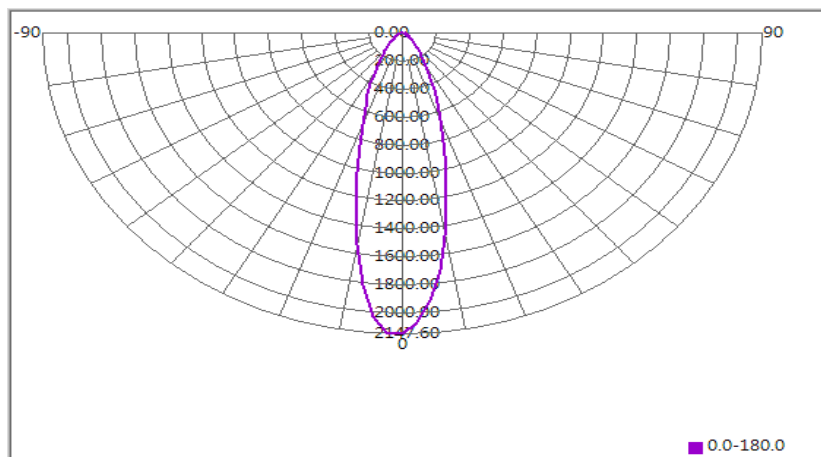




## Optical Characteristics

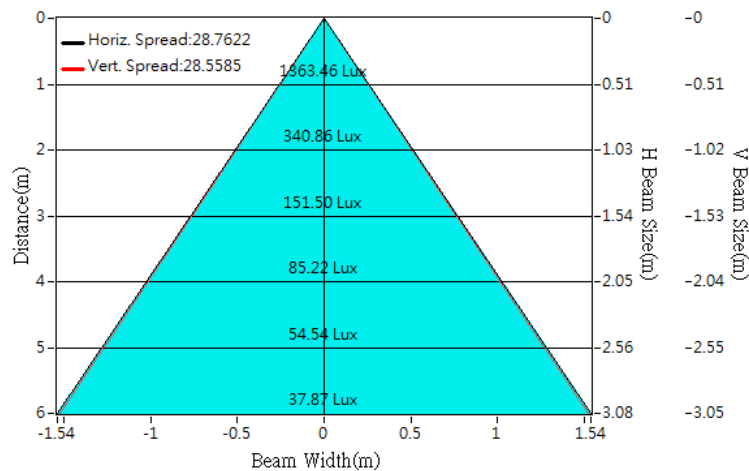
Model Number	CKO-MX16-286061-3301	
LED	<b>Fortimo LED Line 1ft 6501m 840 3R HV4</b>	
LES / LED Size	2.8 x 3.5 mm	
FWHM (D50)	29°	
Field Angle (D10)	70°	
Dimension	wxh =286 x 61 mm, Thickness=9.1 mm	
Luminous Flux	635 lm	Measured @ 3.7 W
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

Illuminance at a Distance

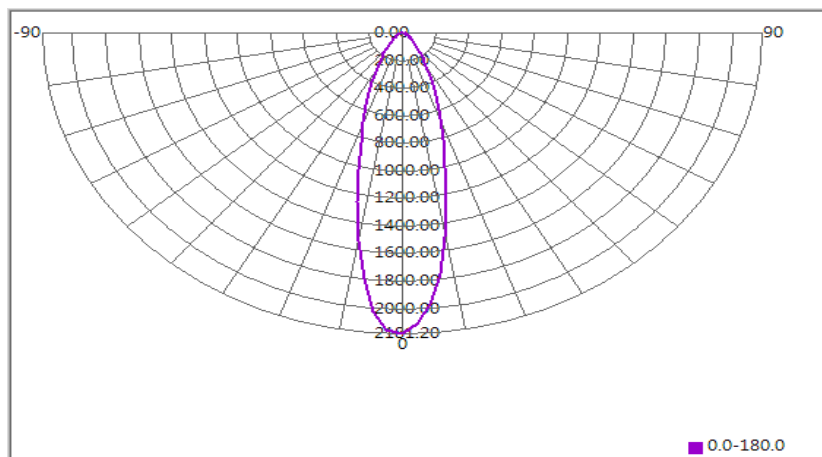




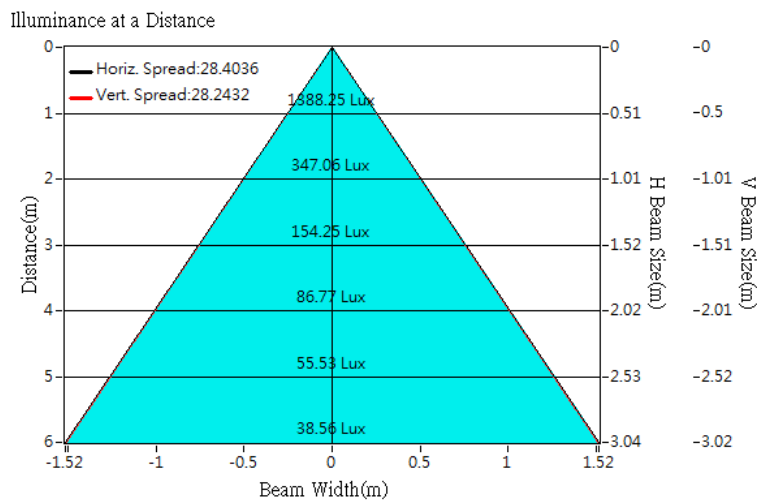
## Optical Characteristics

Model Number	CKO-MX16-286061-3301	
LED	<b>Fortimo LED Line 1ft 6501m 840 3R LV4</b>	
LES / LED Size	2.8 x 3.5 mm	
FWHM (D50)	28°	
Field Angle (D10)	70°	
Dimension	wxh =286 x 61 mm, Thickness=9.1 mm	
Luminous Flux	637 lm	Measured @ 3.7 W
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

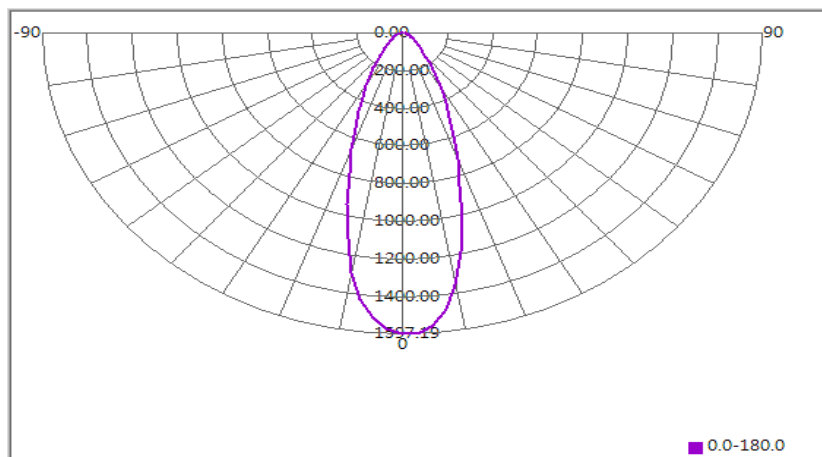




## Optical Characteristics

Model Number	CKO-MX16-286061-3301	
LED	<b>Fortimo 1ft 11001m 840 3R HV4F</b>	
LES / LED Size	3.0 x 5.0 mm	
FWHM (D50)	36°	
Field Angle (D10)	80°	
Dimension	wxh =286 x 61 mm, Thickness=9.1 mm	
Luminous Flux	1049 lm	Measured @ 6.2 W
Material	PC / UL94V2	

## cd/klm



## Illuminance At Distances

