

## HEIDI-W

~32° wide beam

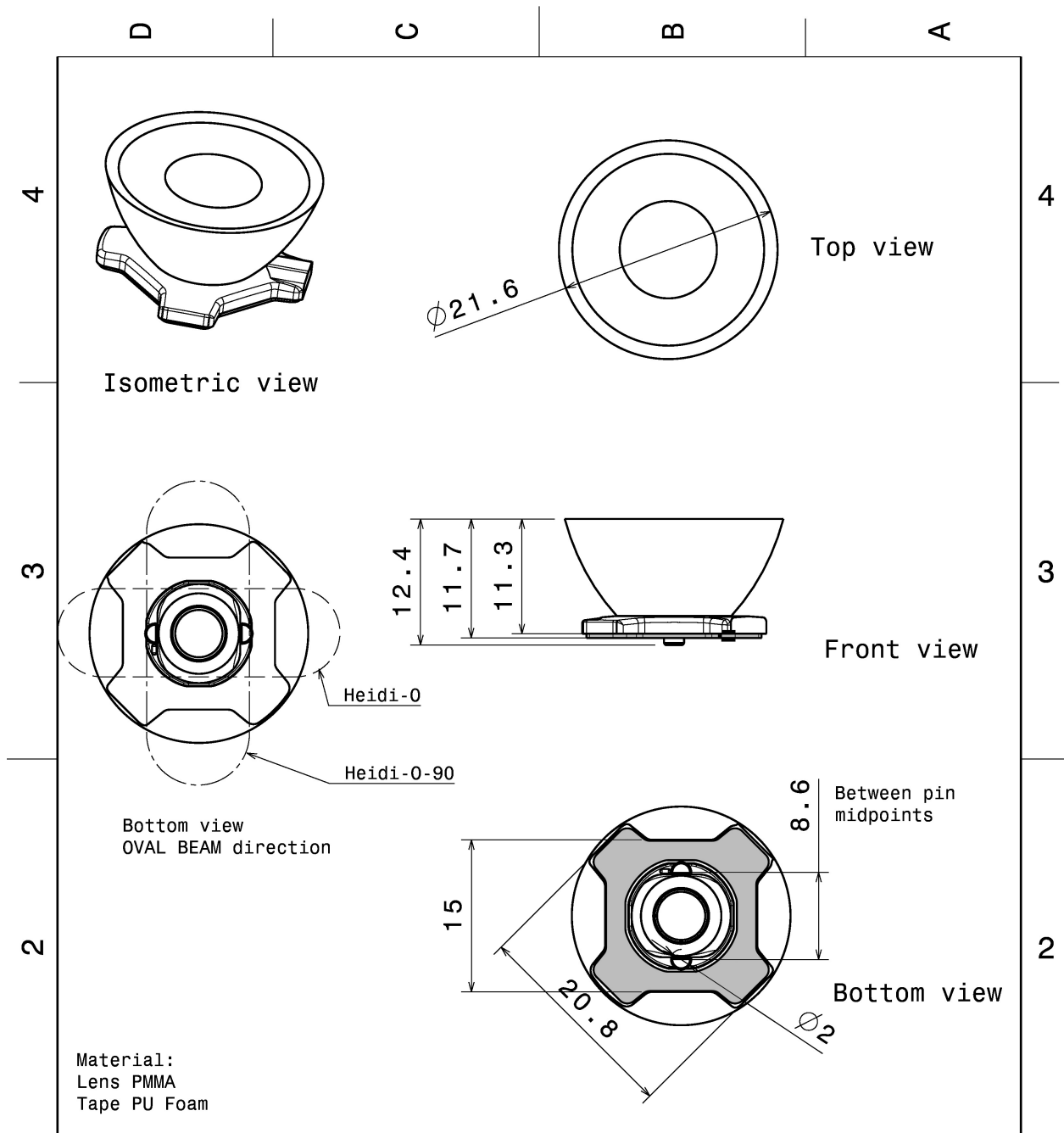
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	pin, tape
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	10.8 kg
Quantity in Box	3264 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
HEIDI-W	Lens	PMMA	clear
HEIDI-TAPE	Tape	PU tape	black



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DRAWN BY ah		DATE 1.2.2012		DRAWING TITLE Datasheet Heidi-Series Assy	
CHECKED BY	DATE	SIZE A4	DRAWING NUMBER		REV 2
DESIGNED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	

### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM 30.0°  
Efficiency 88 %  
Peak intensity 2.560 cd/lm  
Required components:

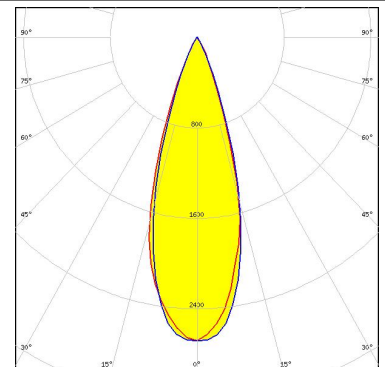
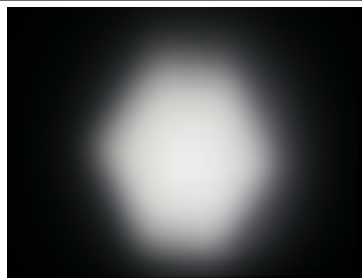
#### CREE

LED XB-H  
FWHM 33.0°  
Efficiency 88 %  
Peak intensity 2.300 cd/lm  
Required components:



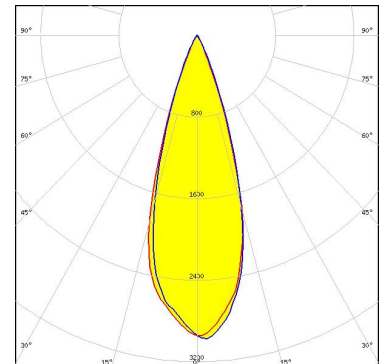
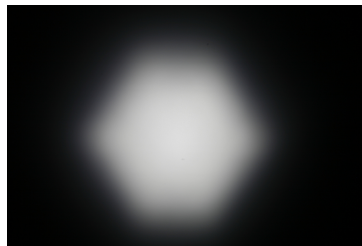
#### CREE

LED XP-E  
FWHM 32.0°  
Efficiency 92 %  
Peak intensity 2.680 cd/lm  
Required components:



#### CREE

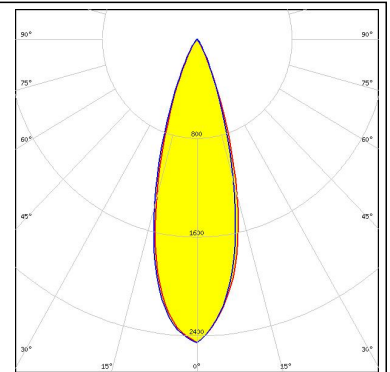
LED XP-E2  
FWHM 33.0°  
Efficiency 89 %  
Peak intensity 2.950 cd/lm  
Required components:



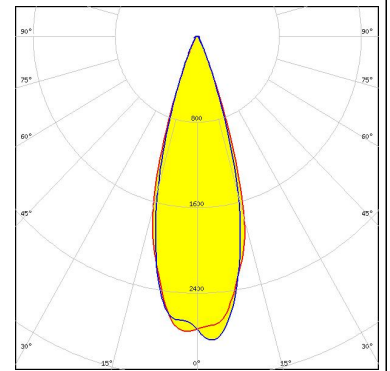
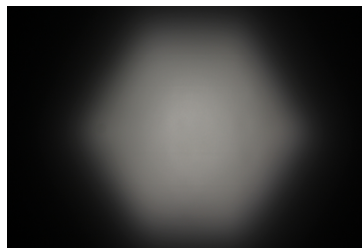
#### PHOTOMETRIC DATA (MEASURED):



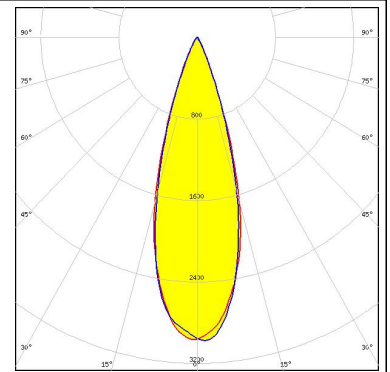
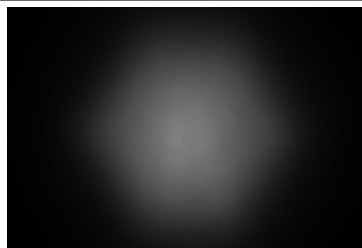
LED XP-G  
 FWHM 31.0°  
 Efficiency 92 %  
 Peak intensity 2.460 cd/lm  
 Required components:



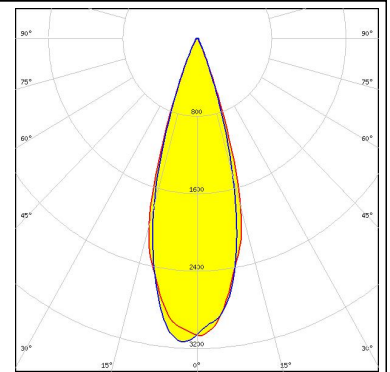
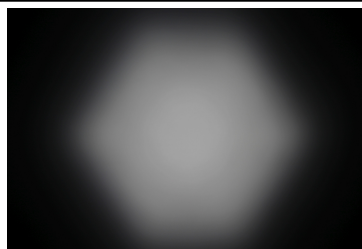
LED XQ-E HI  
 FWHM 34.0°  
 Efficiency 93 %  
 Peak intensity 2.800 cd/lm  
 Required components:



LED LUXEON C  
 FWHM 31.0°  
 Efficiency 88 %  
 Peak intensity 3.000 cd/lm  
 Required components:



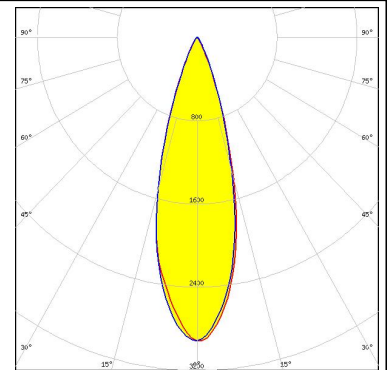
LED LUXEON CZ  
 FWHM 34.0°  
 Efficiency 94 %  
 Peak intensity 3.100 cd/lm  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

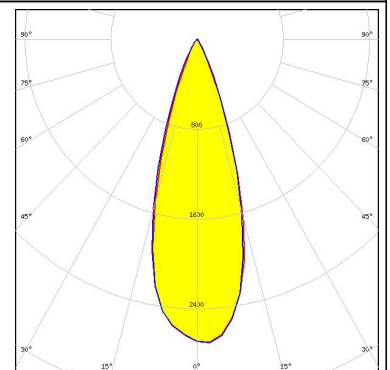
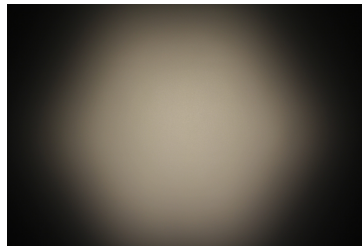
#### LUMILEDS

LED LUXEON T  
FWHM 31.0°  
Efficiency 87 %  
Peak intensity 2.800 cd/lm  
Required components:



#### LUMILEDS

LED LUXEON TX  
FWHM 33.0°  
Efficiency 88 %  
Peak intensity 2.700 cd/lm  
Required components:



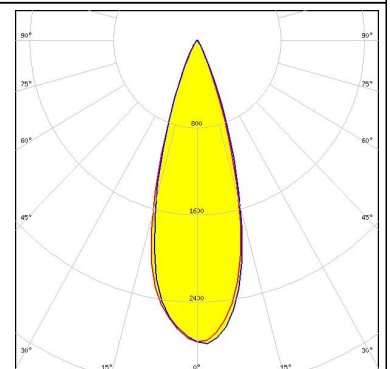
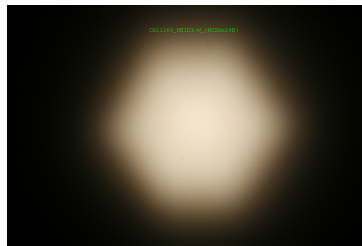
#### NICHIA

LED NCSxx19A  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 2.500 cd/lm  
Required components:



#### NICHIA

LED NCSxx19B  
FWHM 33.0°  
Efficiency 88 %  
Peak intensity 2.800 cd/lm  
Required components:



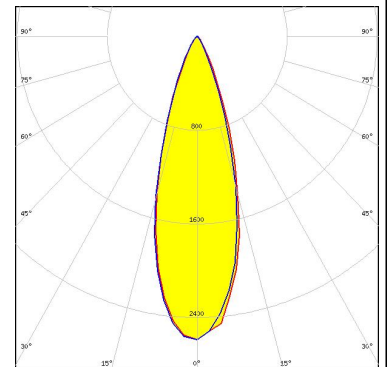
**PHOTOMETRIC DATA (MEASURED):**



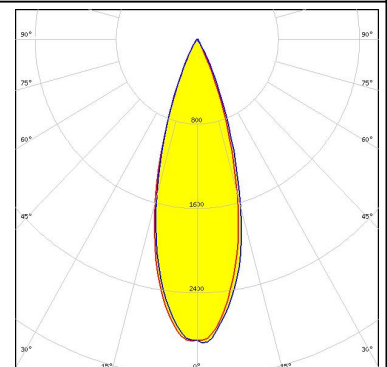
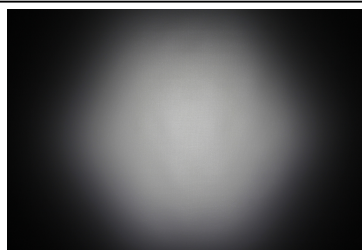
LED NVSxx19A  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 2.250 cd/lm  
Required components:



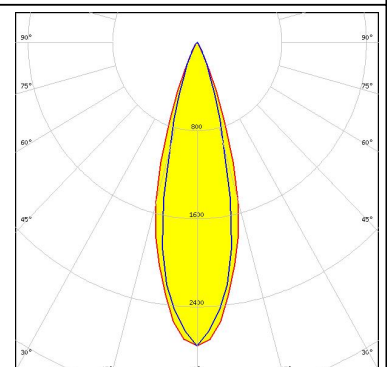
LED NVSxx19B/NVSxx19C  
FWHM 32.0°  
Efficiency 87 %  
Peak intensity 2.600 cd/lm  
Required components:



LED Oslon Square Gen3  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 3.000 cd/lm  
Required components:



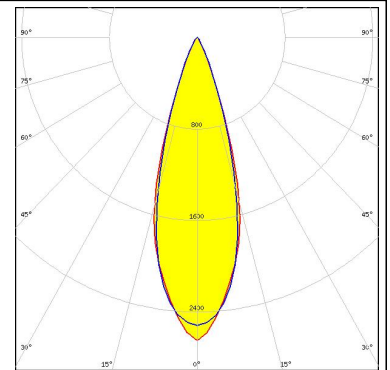
LED Oslon SSL 150  
FWHM 32.0°  
Efficiency 88 %  
Peak intensity 2.750 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

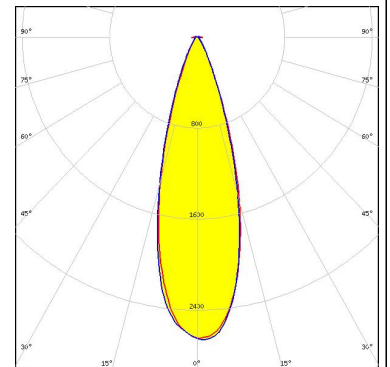
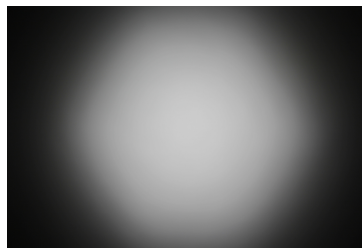
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 2.650 cd/lm  
Required components:



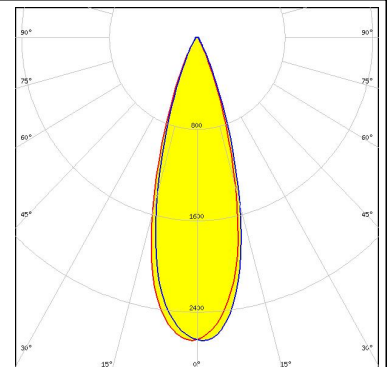
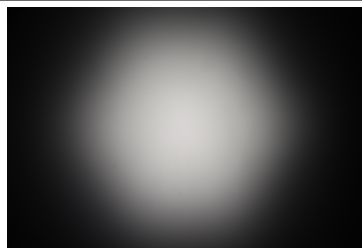
**SAMSUNG**

LED LH181B  
FWHM 31.0°  
Efficiency 92 %  
Peak intensity 2.700 cd/lm  
Required components:



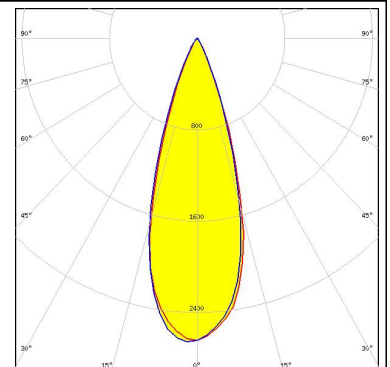
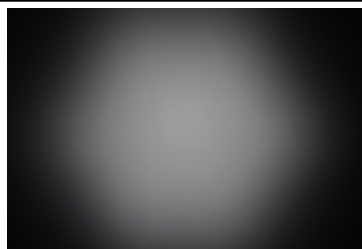
**SAMSUNG**

LED LH351B  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.700 cd/lm  
Required components:


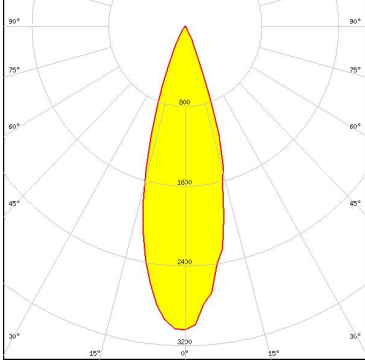


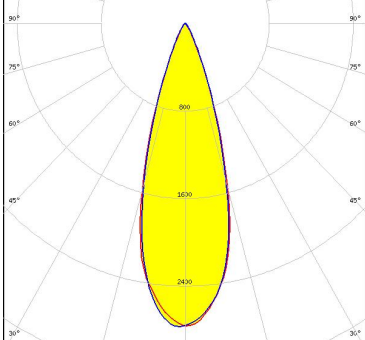


**SAMSUNG**

LED LH351Z  
FWHM 34.0°  
Efficiency 88 %  
Peak intensity 2.700 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

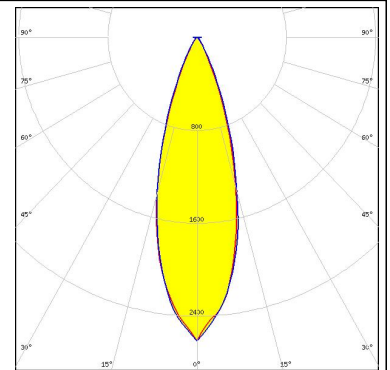
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5 FWHM 32.0° Efficiency 86 % Peak intensity 3.040 cd/lm Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM 32.0° Efficiency 91 % Peak intensity 2.800 cd/lm Required components:</p>		



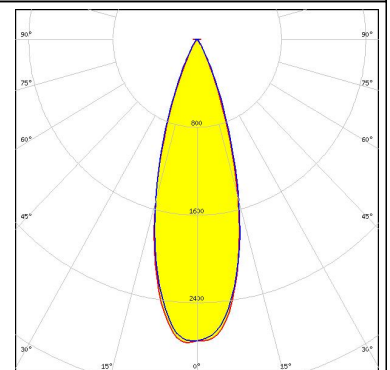
### PHOTOMETRIC DATA (SIMULATED):



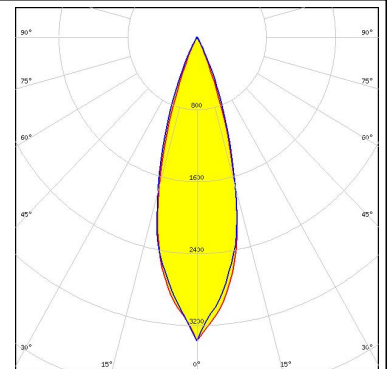
LED XP-G3  
FWHM 31.0°  
Efficiency 94 %  
Peak intensity 2.610 cd/lm  
Required components:



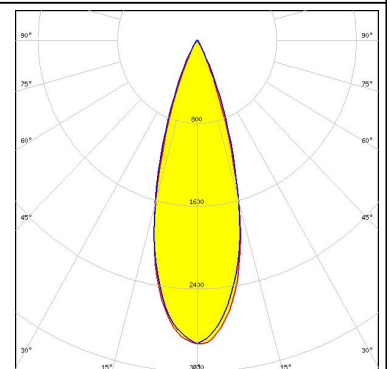
LED XT-E  
FWHM 31.8°  
Efficiency 94 %  
Peak intensity 2.770 cd/lm  
Required components:



LED LUXEON Z ES  
FWHM 30.0°  
Efficiency 94 %  
Peak intensity 3.370 cd/lm  
Required components:



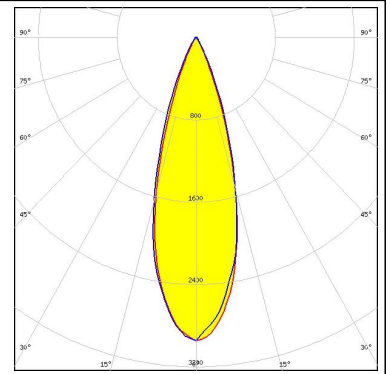
LED Oslon Square EC  
FWHM 32.0°  
Efficiency 94 %  
Peak intensity 2.940 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

### SAMSUNG

LED LM28xB Series  
FWHM 31.0°  
Efficiency 94 %  
Peak intensity 2.690 cd/lm  
Required components:



### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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