

#### **HB-IP-2X6-O**

~30° + 115° oval beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions 173.0 x 71.4 mm

Height 13.1 mm Fastening screw

ROHS compliant yes 1

#### **MATERIAL SPECIFICATIONS:**

ComponentTypeHB-IP-2X6-OMulti-lens2X6-SEAL25Seal



**Material Colour Finish**PMMA

#### **ORDERING INFORMATION:**

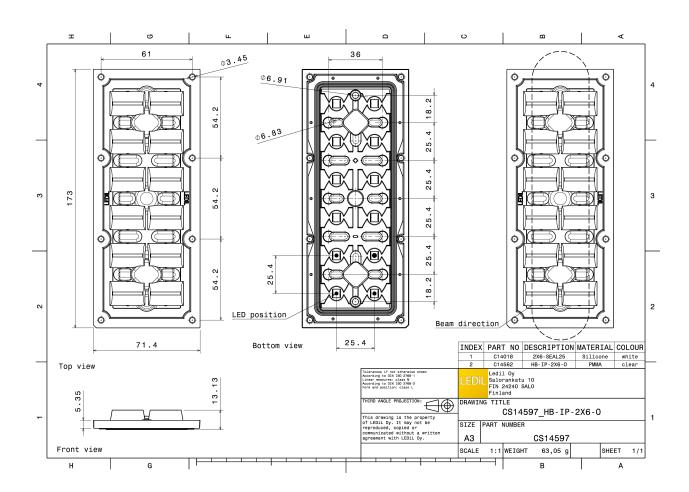
Component Qty in box MOQ MPQ Box weight (kg)

Silicone

CS14597\_HB-IP-2X6-O Multi-lens 108 36 36 8.0

» Box size: 476 x 273 x 247 mm





#### PHOTOMETRIC DATA (MEASURED):

LED

**FWHM** 

Efficiency

Peak intensity

Light colour

LEDs/each optic 1

Required components:

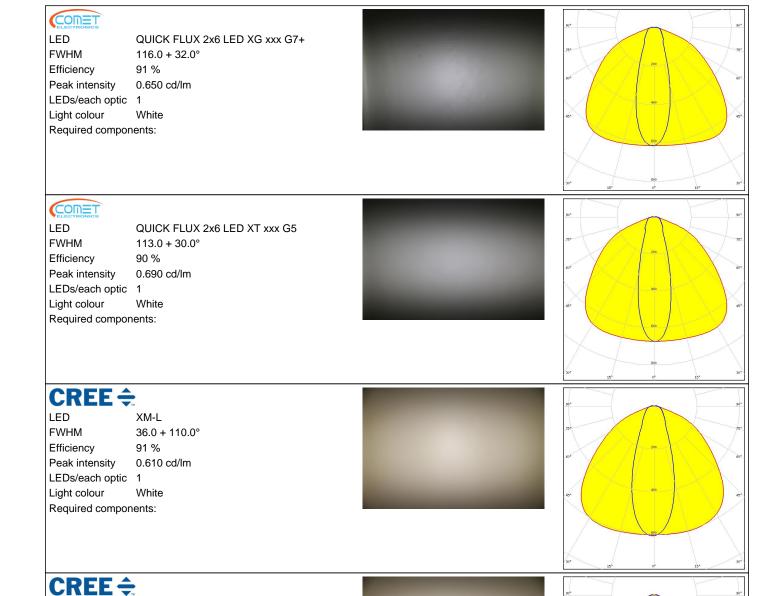
XM-L2

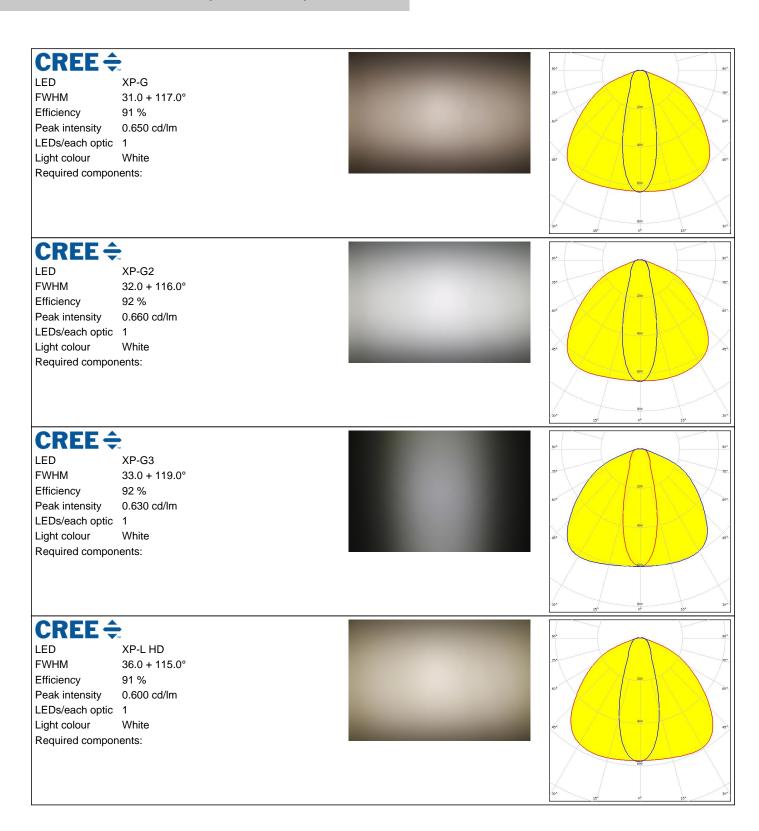
91 %

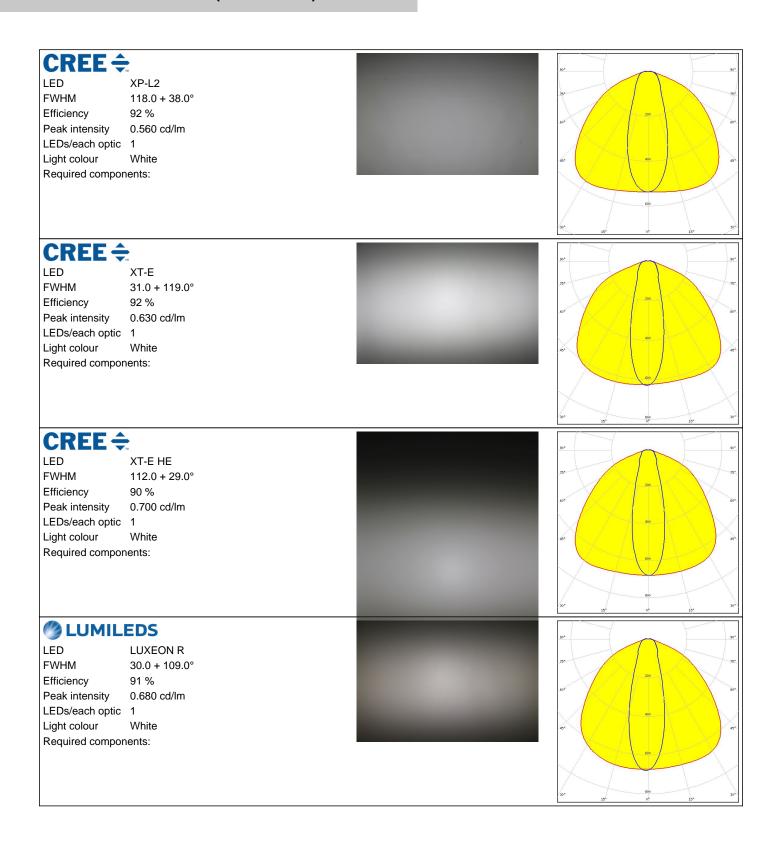
White

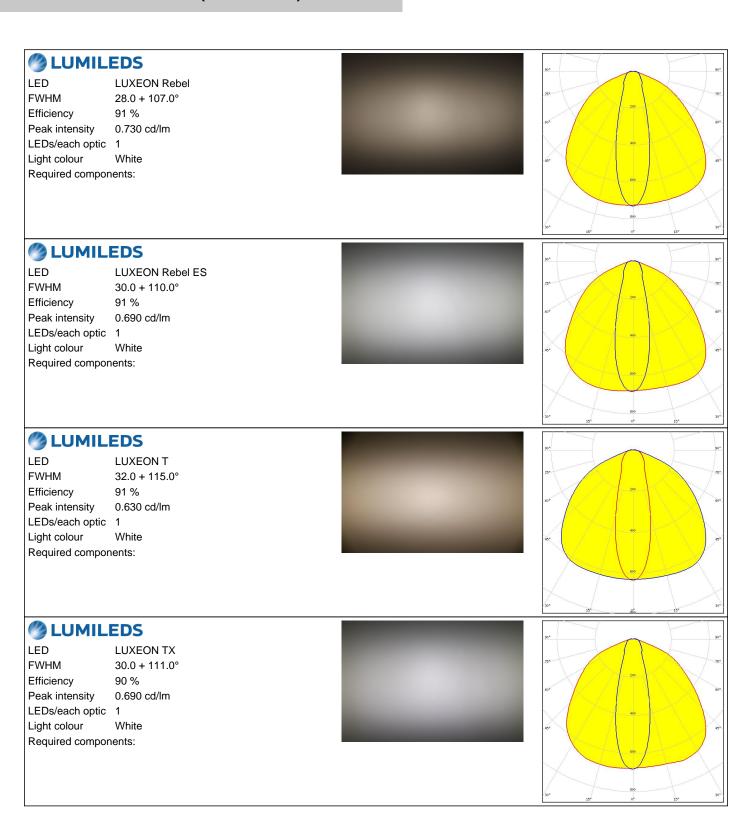
36.0 + 108.0°

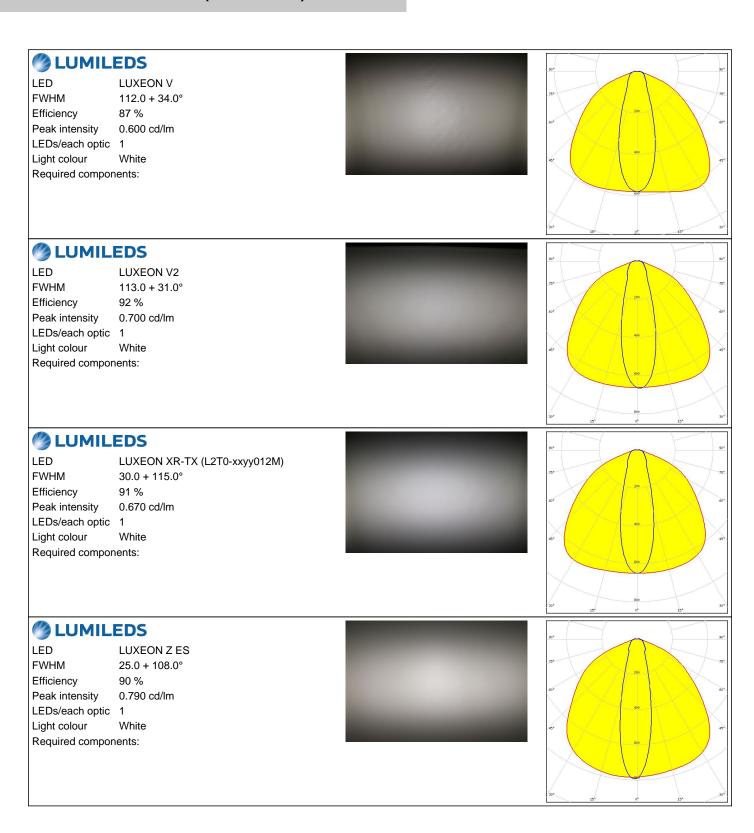
0.630 cd/lm





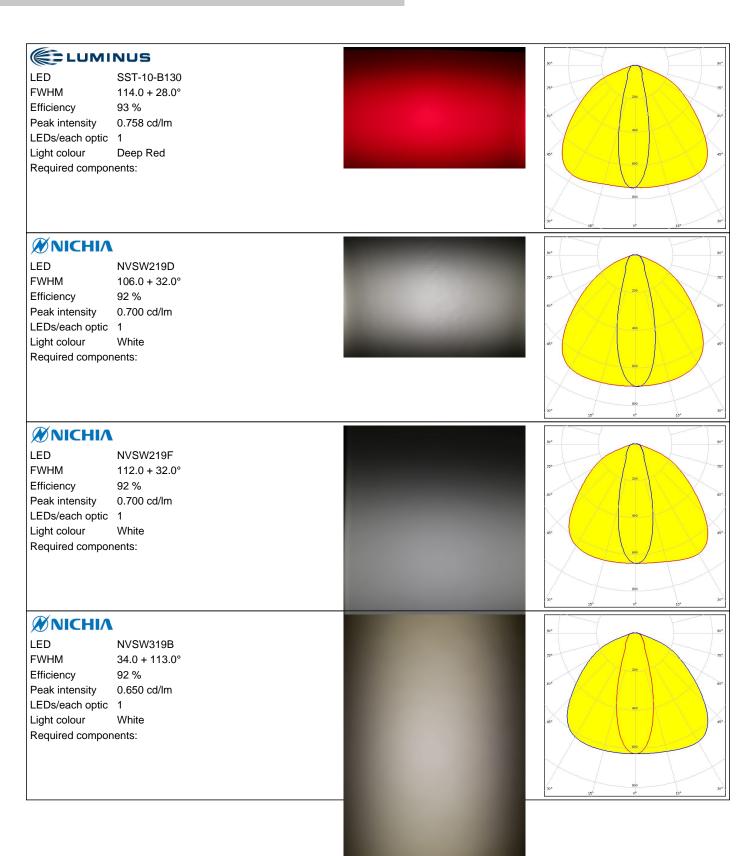




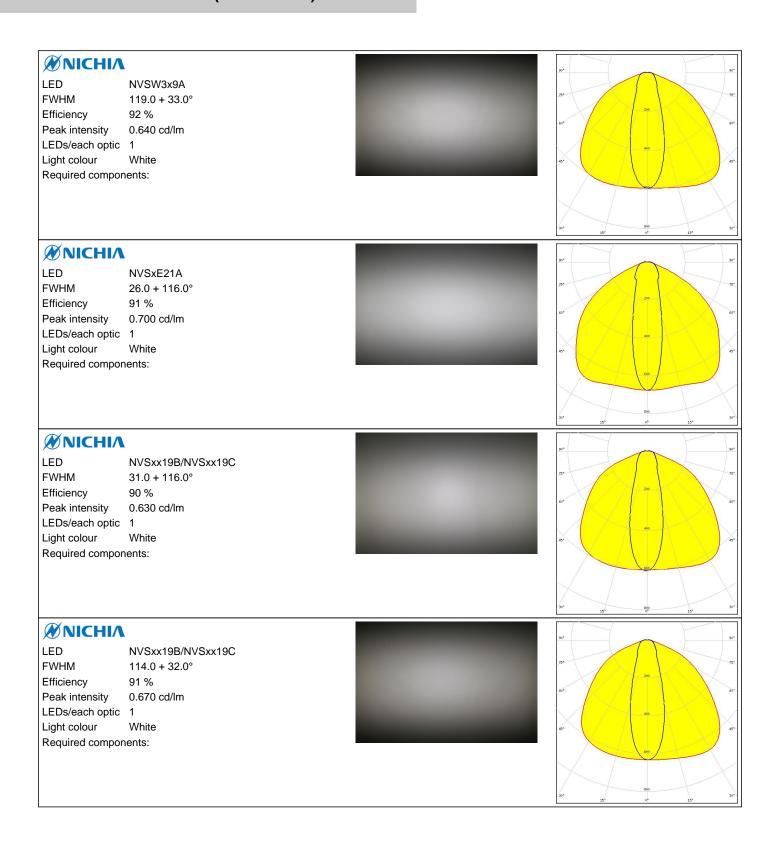




#### PHOTOMETRIC DATA (MEASURED):



Last update: 20/12/2018 Subject to change without prior notice



#### PHOTOMETRIC DATA (MEASURED):

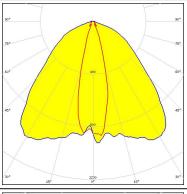
#### **OSRAM**

LED Duris S8 **FWHM** 111.0 + 38.0°

92 % Efficiency Peak intensity 0.920 cd/lm

LEDs/each optic 1 Light colour White Required components:





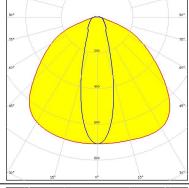
### OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

**FWHM** 110.0 + 29.0° 92 % Efficiency Peak intensity 0.720 cd/lm

LEDs/each optic 1 White Light colour Required components:





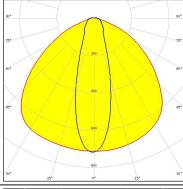
### OSRAM Opto Semiconductors

LED OSLON Square EC **FWHM** 30.0 + 108.0°

Efficiency 91 % Peak intensity 0.720 cd/lm

LEDs/each optic 1 Light colour White Required components:





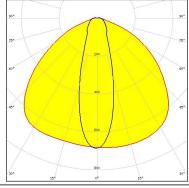
### OSRAM Opto Semiconductors

LED OSLON Square PC **FWHM** 30.0 + 111.0°

Efficiency 92 % 0.690 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:







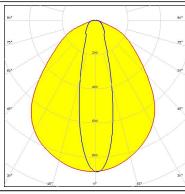
#### PHOTOMETRIC DATA (MEASURED):

#### **OSRAM**

LED OSLON SSL 80 **FWHM**  $26.0 + 92.0^{\circ}$ Efficiency 93 % Peak intensity 0.890 cd/lm

LEDs/each optic 1 Light colour White Required components:

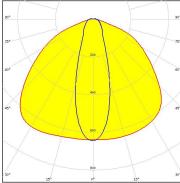




LED Fortimo FastFlex LED 2x6 DP G4

**FWHM** 32.0 + 116.0° 92 % Efficiency Peak intensity 0.660 cd/lm

LEDs/each optic 1 White Light colour Required components:

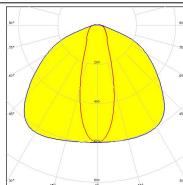


### **PHILIPS**

LED Fortimo FastFlex LED 2x6 DPX G4

**FWHM** 33.0 + 119.0° Efficiency 92 % Peak intensity 0.630 cd/lm

LEDs/each optic 1 Light colour White Required components:



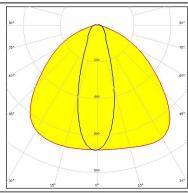
### SAMSUNG

LED HiLOM RH12 (LH351C)

**FWHM** 107.0 + 32.0° Efficiency 92 % Peak intensity 0.710 cd/lm

LEDs/each optic 1 White Light colour Required components:



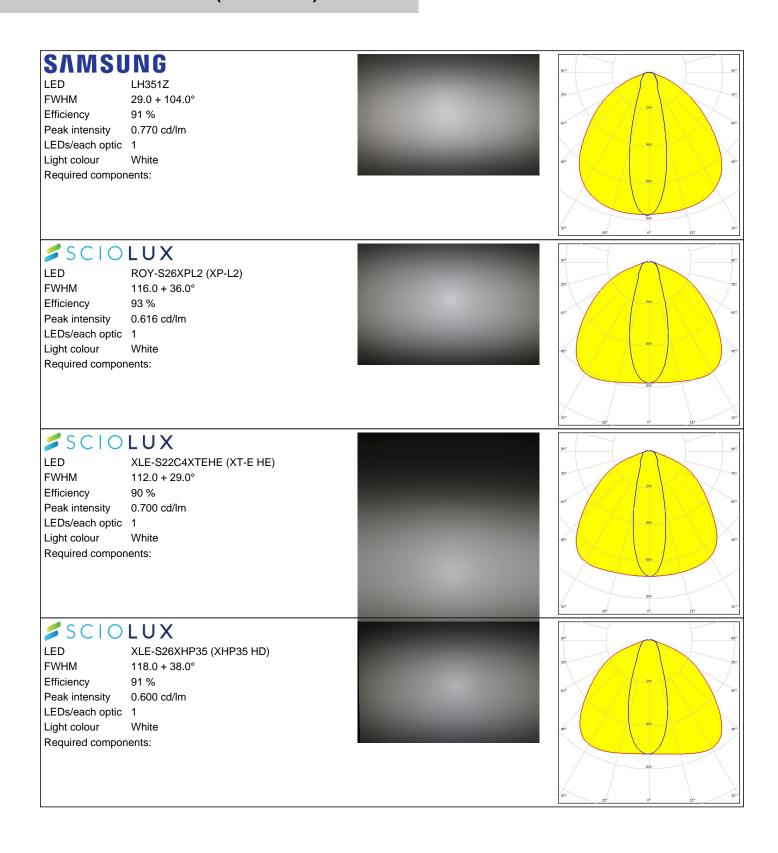


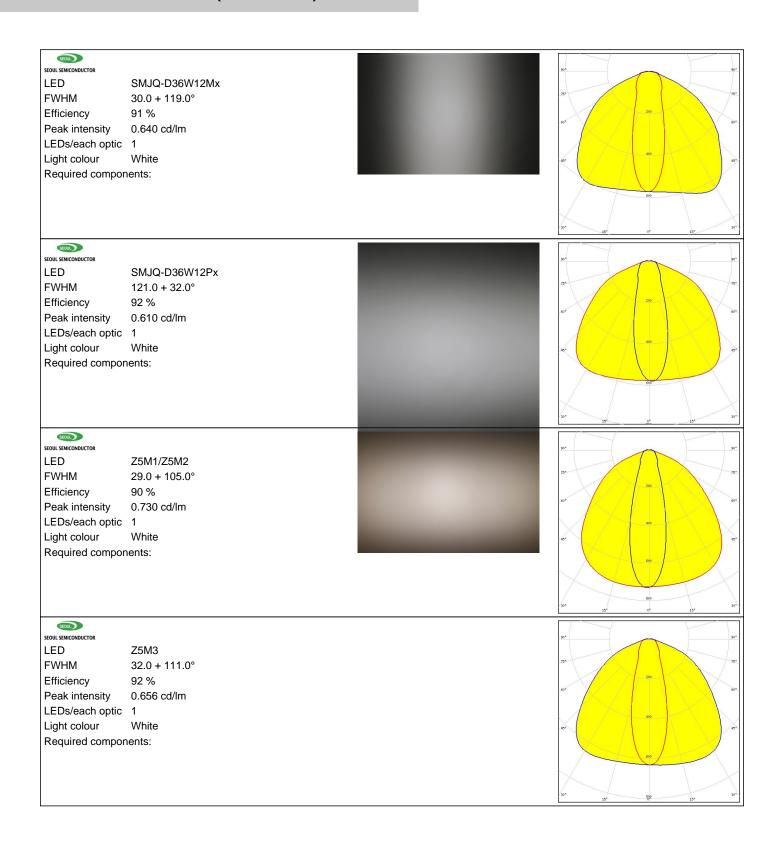
h other countries.

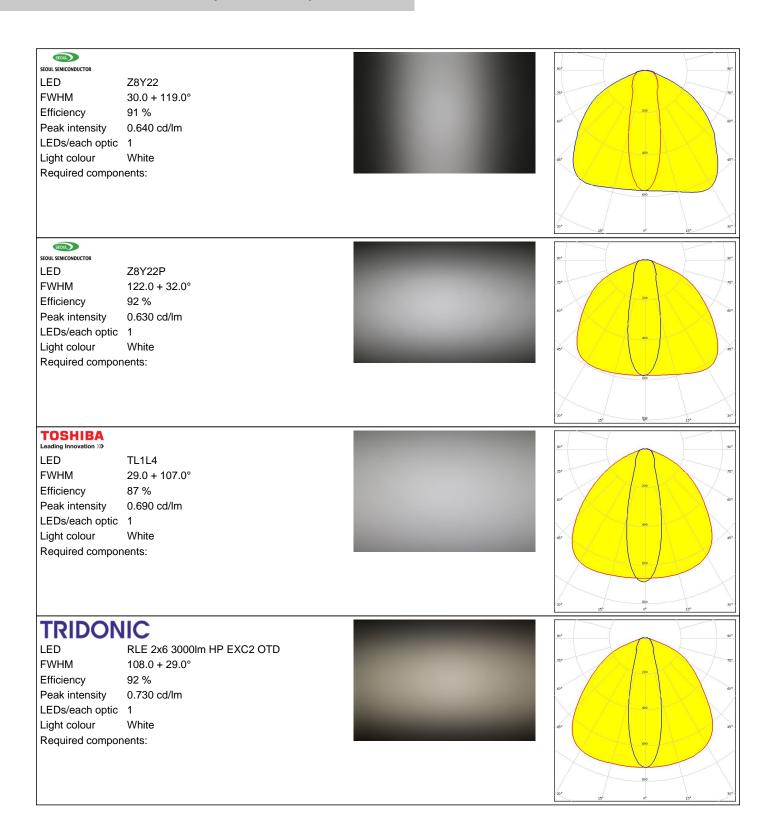
Last update: 20/12/2018

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#### PHOTOMETRIC DATA (SIMULATED):

### CREE 💠

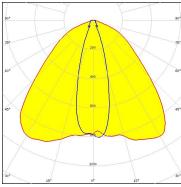
 LED
 J Series 5050

 FWHM
 29.0 + 96.0°

 Efficiency
 94 %

 Peak intensity
 0.920 cd/lm

LEDs/each optic 1
Light colour White
Required components:



#### CREE 🕏

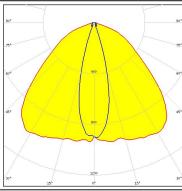
 LED
 XP-G2 HE

 FWHM
 103.0 + 28.0°

 Efficiency
 94 %

 Peak intensity
 1.003 cd/lm

LEDs/each optic 1
Light colour White
Required components:

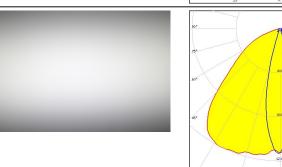


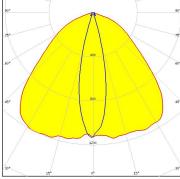
### **LG** Innotek

LED H35C1 (LEMWA33) FWHM 24.0 + 99.0° Efficiency 94 %

Peak intensity 1.200 cd/lm

LEDs/each optic 1 Light colour White Required components:



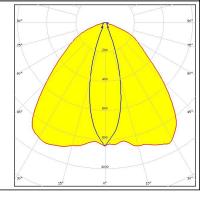


### **DESCRIPTION** LUMILEDS

LED LUXEON 5050 Round LES

 $\begin{array}{lll} \mbox{FWHM} & 34.0 + 96.0^{\circ} \\ \mbox{Efficiency} & 93 \% \\ \mbox{Peak intensity} & 0.940 \mbox{ cd/lm} \end{array}$ 

LEDs/each optic 1
Light colour White
Required components:

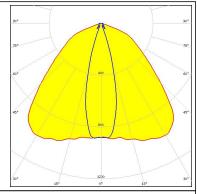


#### PHOTOMETRIC DATA (SIMULATED):

#### **WNICHIA**

LED NV4WB35AM **FWHM** 100.0 + 28.0° 95 % Efficiency Peak intensity 0.998 cd/lm

LEDs/each optic 1 Light colour White Required components:

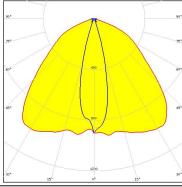


#### **WNICHIA**

LED NVSW3x9A **FWHM** 103.0 + 25.0° 91 % Efficiency

Peak intensity 1.000 cd/lm

LEDs/each optic 1 White Light colour Required components:

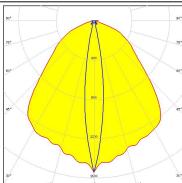


## OSRAM Opto Semiconductors

LED OSCONIQ P 3030 **FWHM**  $92.0 + 14.0^{\circ}$ Efficiency 95 %

Peak intensity 1.543 cd/lm

LEDs/each optic 1 Light colour White Required components:



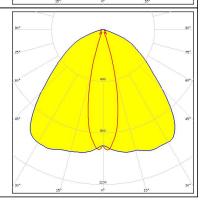
### OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)

**FWHM** 27.0 + 100.0°

Efficiency 94 % 1.020 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:





#### PHOTOMETRIC DATA (SIMULATED):

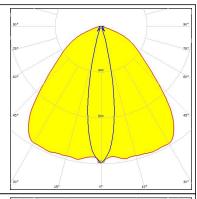
#### **OSRAM**

LED

OSCONIQ P 3737 Flat

**FWHM**  $96.0 + 22.0^{\circ}$ 96 % Efficiency Peak intensity 1.198 cd/lm

LEDs/each optic 1 Light colour White Required components:



#### SEOUL SEOUL SEMICONDUCTOR

LED

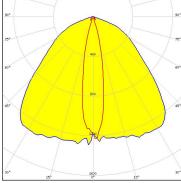
SEOUL DC 3528 20.0 + 99.0°

**FWHM** 94 %

Efficiency Peak intensity

1.300 cd/lm

LEDs/each optic 1 White Light colour Required components:



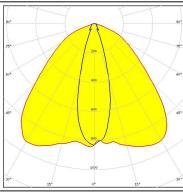
LED

SEOUL DC 5050 6V

**FWHM**  $97.0 + 29.0^{\circ}$ Efficiency 94 %

Peak intensity 0.930 cd/lm

LEDs/each optic 1 Light colour White Required components:



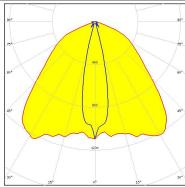


LED **FWHM** 

Z8Y22T 97.0 + 21.0°

Efficiency 94 % 1.240 cd/lm Peak intensity

LEDs/each optic 1 White Light colour 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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