

**HB-2X2-W** 

~50° wide beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions 50.0 mm Height 8.5 mm

Fastening glue, pin, screw

Colour clear

Box size 480 x 280 x 300 mm

Box weight 9.1 kg

Quantity in Box 800 pcs

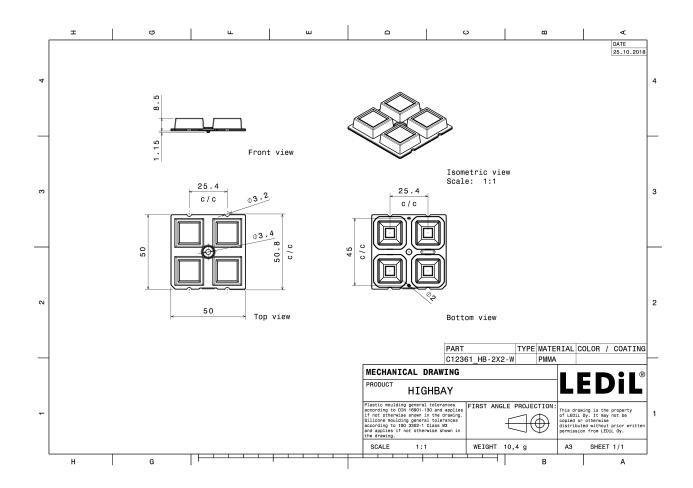
ROHS compliant yes 1

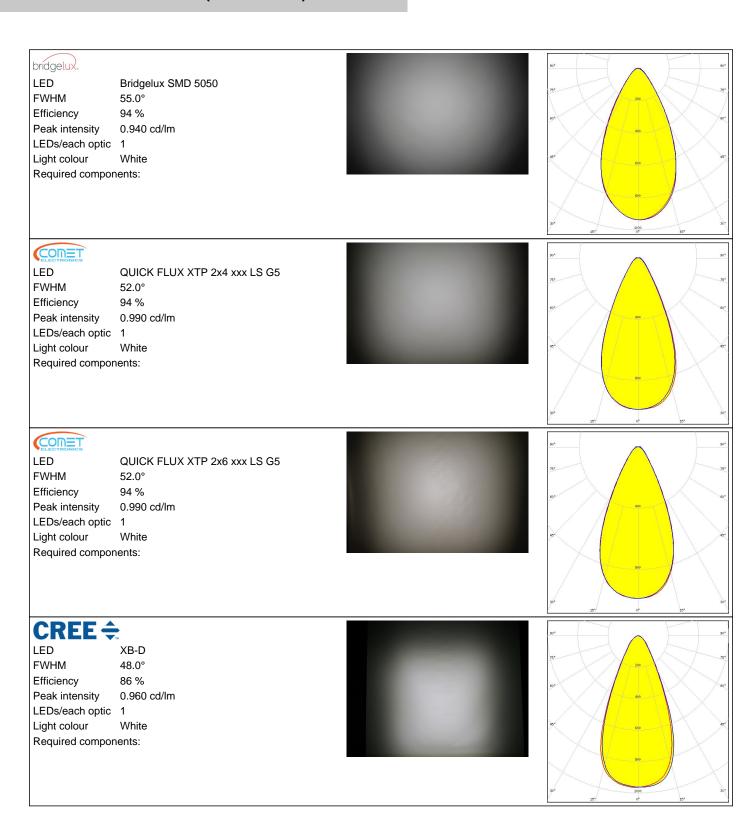


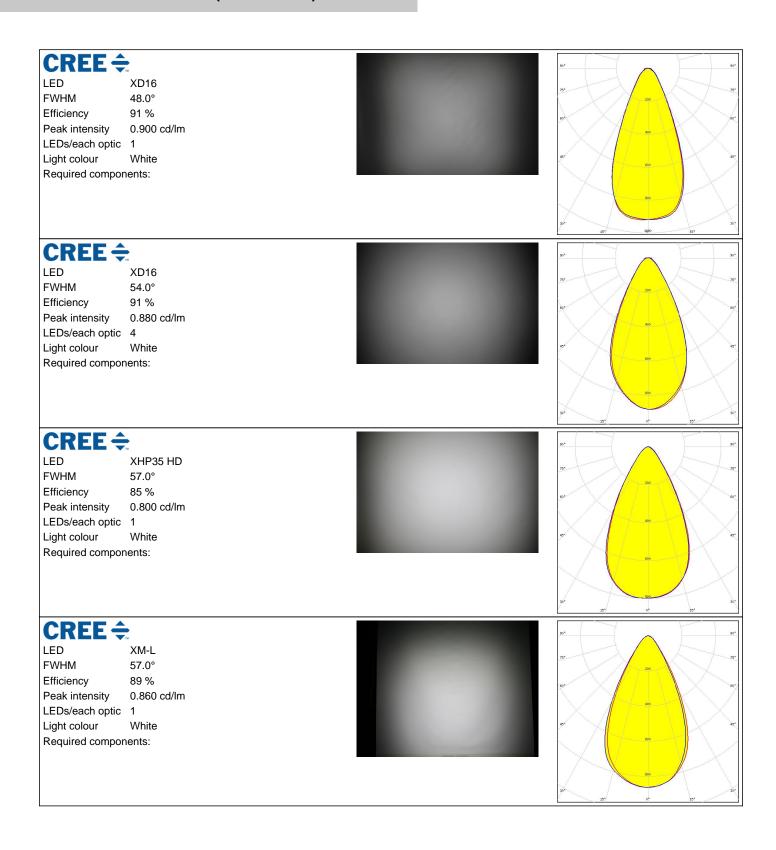
#### **MATERIAL SPECIFICATIONS:**

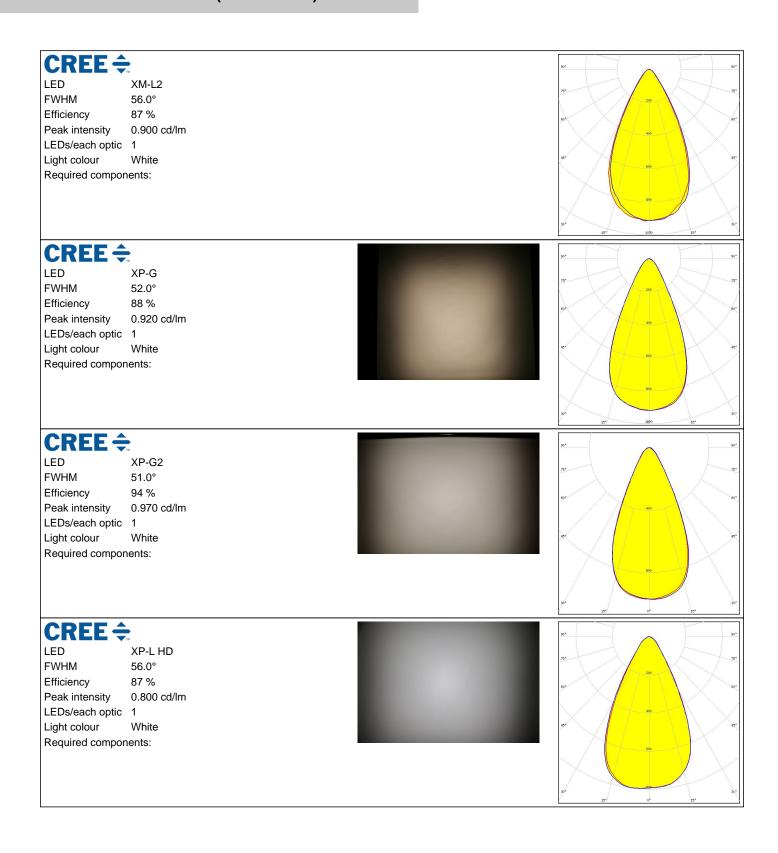
ComponentTypeMaterialColourHB-2X2-WMulti-lensPMMAclear

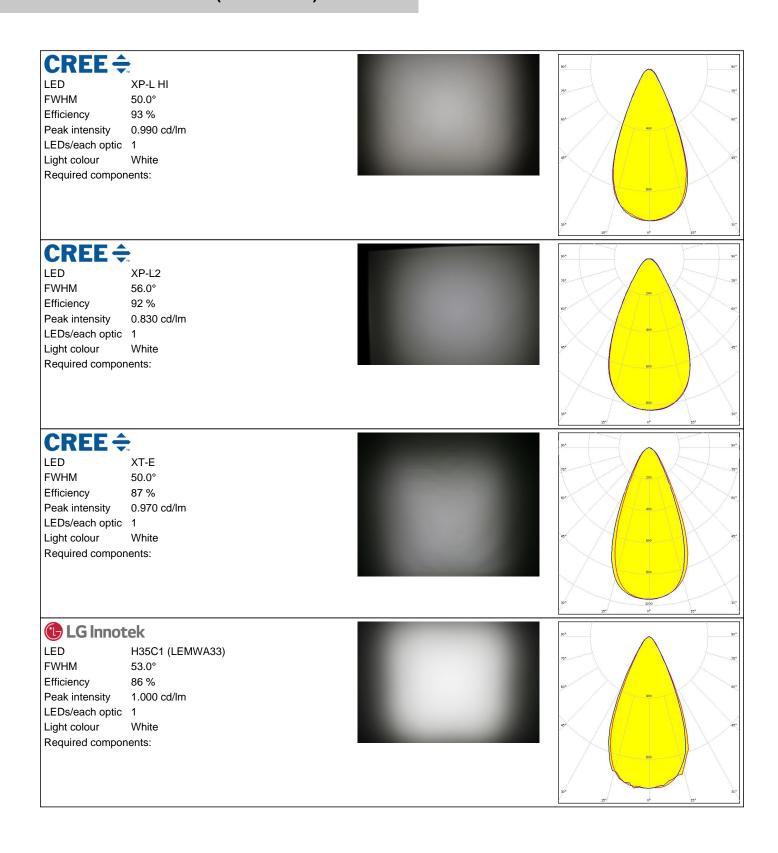


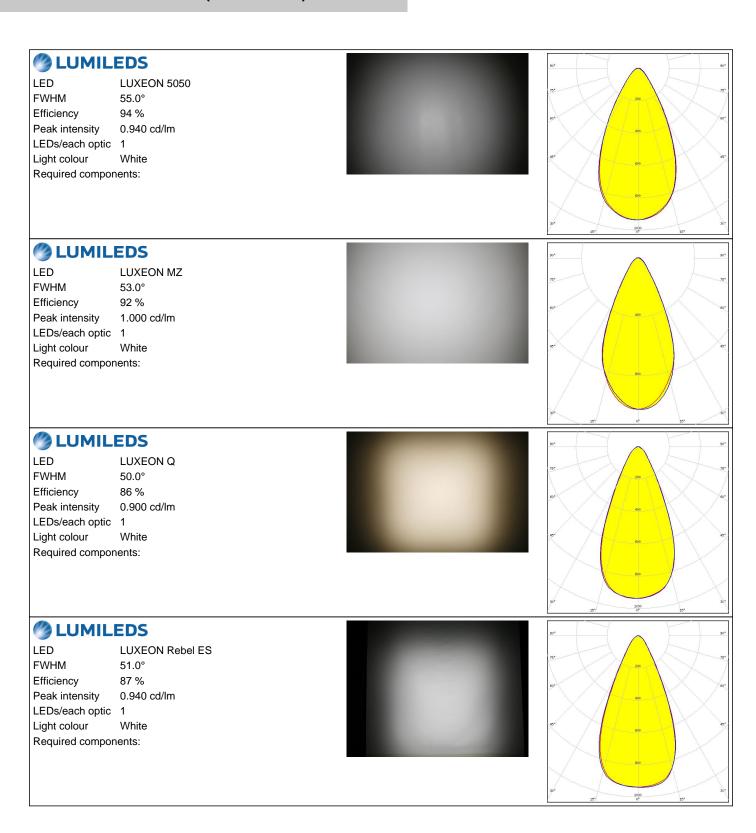


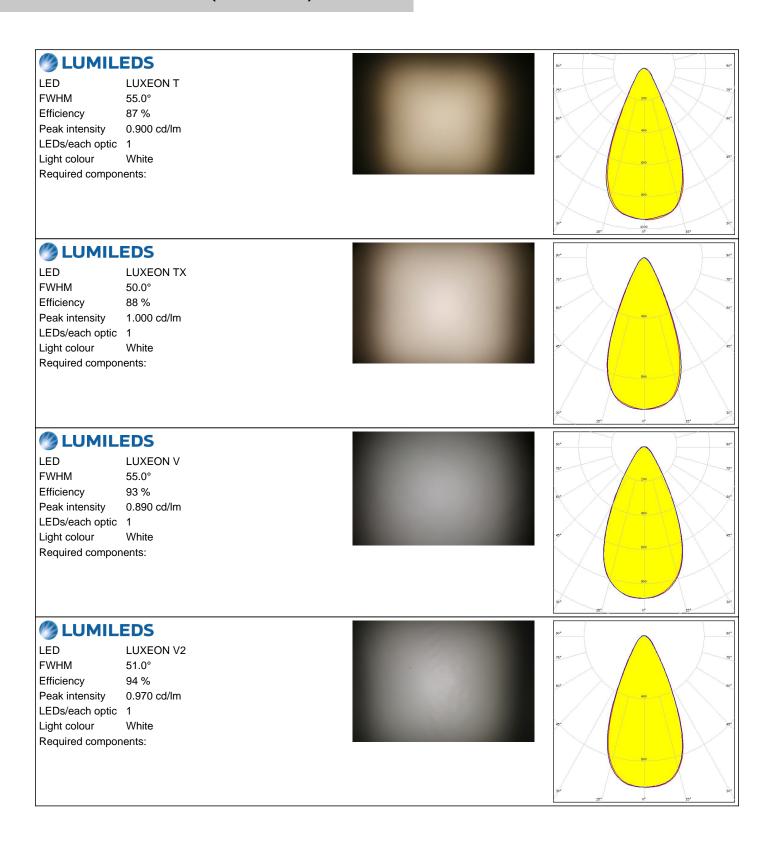


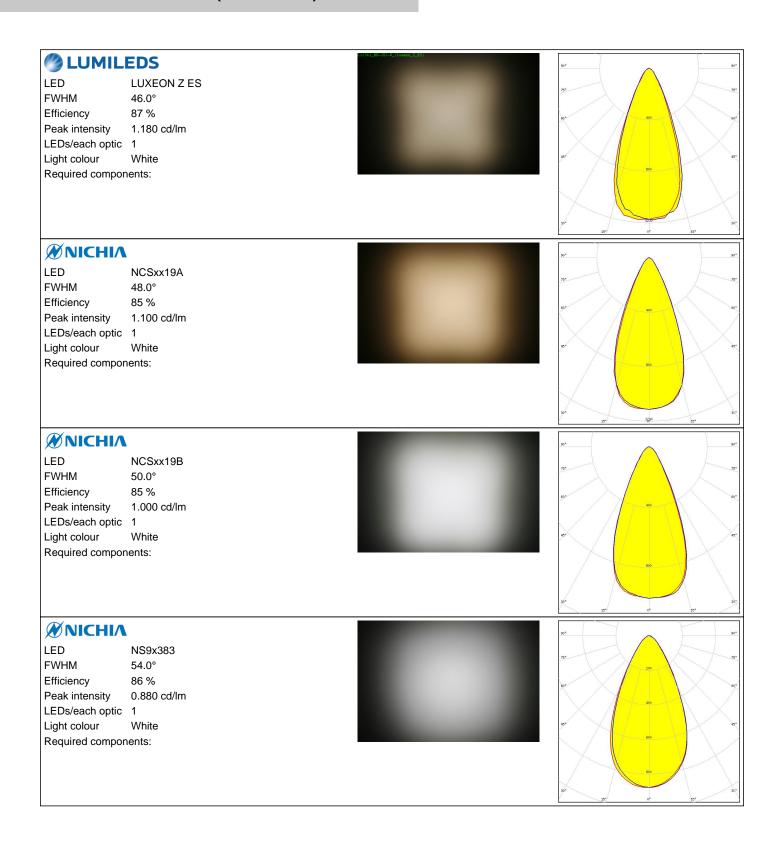


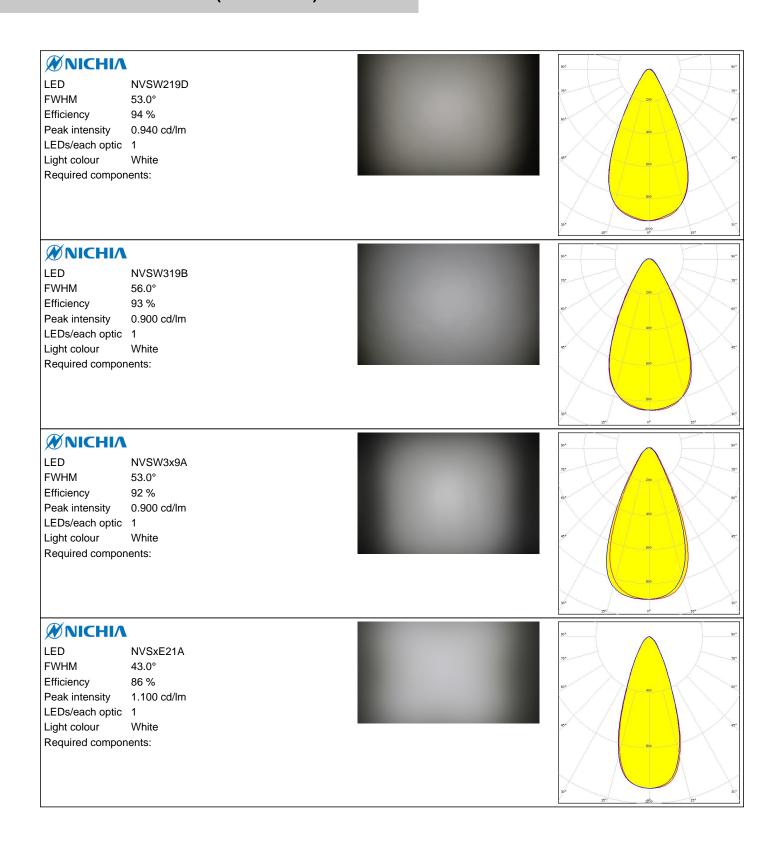


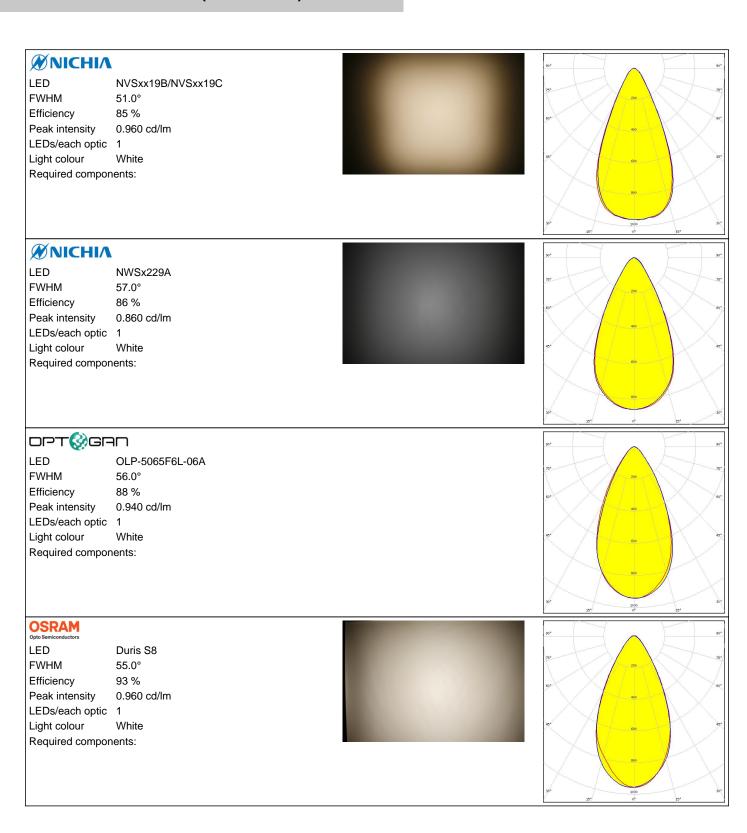












#### PHOTOMETRIC DATA (MEASURED):

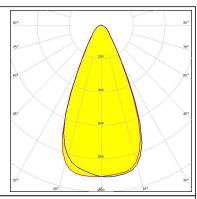
#### **OSRAM**

Opto Semiconducto

Oslon Square PC

FWHM 54.0° Efficiency 87 % Peak intensity 0.900 cd/lm

LEDs/each optic 1
Light colour White
Required components:



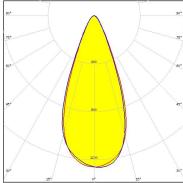
#### OSRAM Opto Semiconductors

LED Oslon SSL 80

FWHM 43.0°
Efficiency 89 %
Peak intensity 1.260 cd/lm

LEDs/each optic 1 Light colour White Required components:





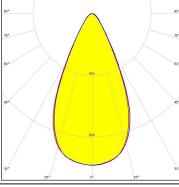
#### **PHILIPS**

LED Fortimo FastFlex LED 2x8 DA G4

FWHM 52.0° Efficiency 94 % Peak intensity 0.990 cd/lm

LEDs/each optic 1
Light colour White
Required components:



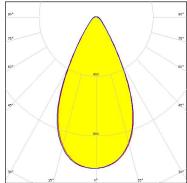


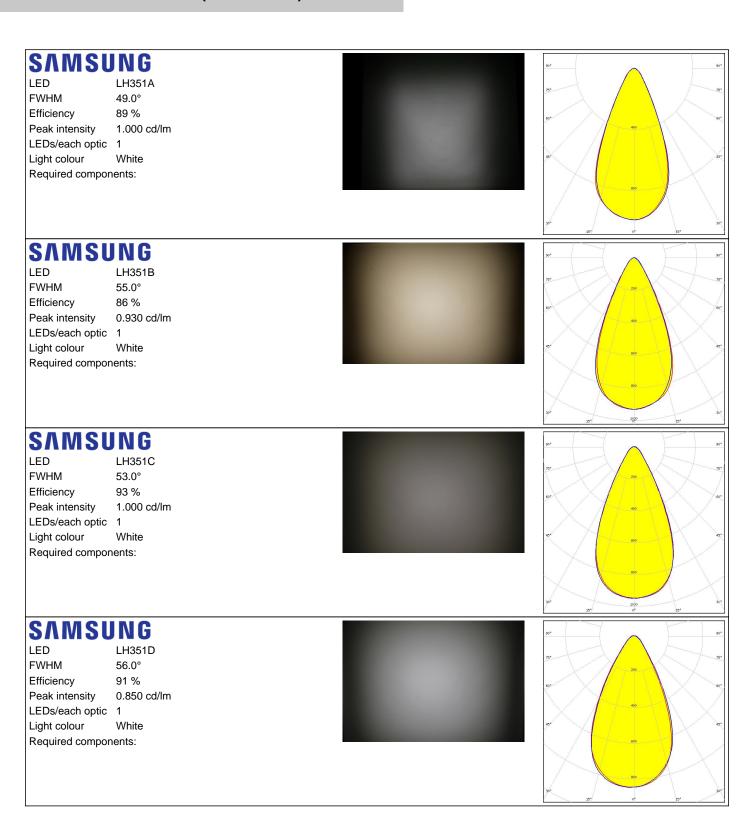
# SAMSUNG

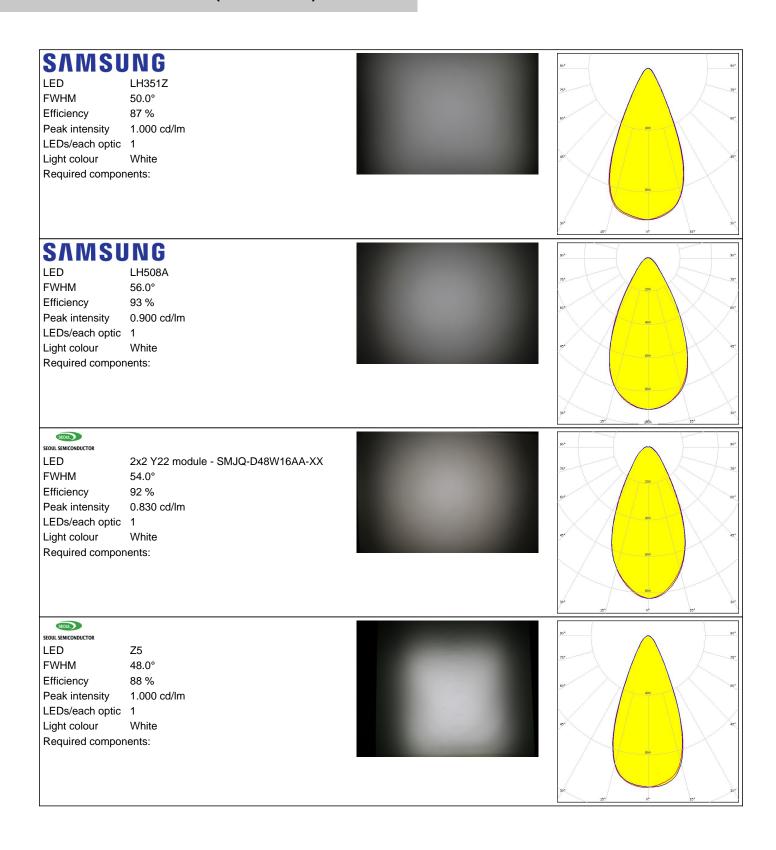
LED HILOM RH16 (LH351C)

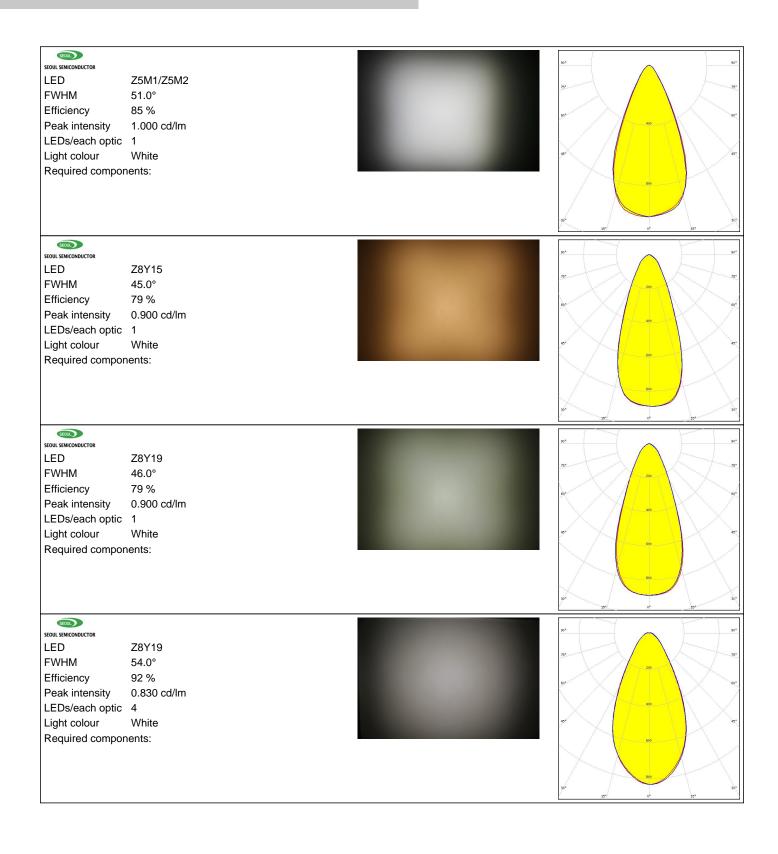
FWHM 53.0° Efficiency 94 % Peak intensity 1.000 cd/lm











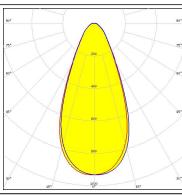
#### PHOTOMETRIC DATA (MEASURED):



LED Z8Y22 **FWHM** 48.0° Efficiency 92 % Peak intensity 0.930 cd/lm

LEDs/each optic 1 Light colour White Required components:



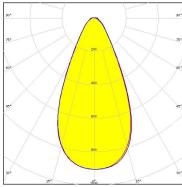


#### SEOUL SEOUL SEMICONDUCTOR

LED Z8Y22P **FWHM** 51.0° 92 % Efficiency Peak intensity 0.910 cd/lm

LEDs/each optic 1 Light colour White Required components:



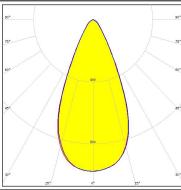


# TOSHIBA Leading Innovation >>>

LED TL1L4 **FWHM** 48.0° Efficiency 81 % Peak intensity 0.980 cd/lm

LEDs/each optic 1 Light colour White Required components:





## **TRIDONIC**

LED RLE 2x4 2000lm HP EXC2 OTD

**FWHM** 51.0° Efficiency 94 % Peak intensity 1.000 cd/lm

LEDs/each optic 1 White Light colour Required components:

#### PHOTOMETRIC DATA (MEASURED):

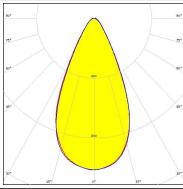
## **TRIDONIC**

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM 51.0°
Efficiency 94 %
Peak intensity 1.000 cd/lm

LEDs/each optic 1 Light colour White Required components:



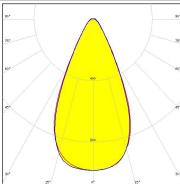


## **TRIDONIC**

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM 52.0° Efficiency 94 % Peak intensity 0.980 cd/lm

LEDs/each optic 1 Light colour White Required components:

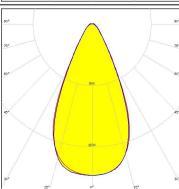


#### TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM 52.0° Efficiency 94 % Peak intensity 0.980 cd/lm

LEDs/each optic 1
Light colour White
Required components:

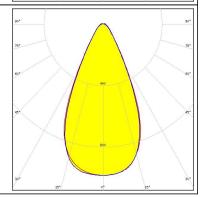


## **TRIDONIC**

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM 52.0° Efficiency 94 % Peak intensity 0.980 cd/lm







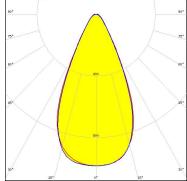
## PHOTOMETRIC DATA (MEASURED):

## **TRIDONIC**

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM 52.0°
Efficiency 94 %
Peak intensity 0.980 cd/lm





#### PHOTOMETRIC DATA (SIMULATED):

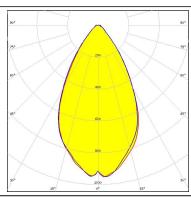


LED MHB-A/B FWHM 58.0°

Efficiency 94 %

Peak intensity 0.960 cd/lm

LEDs/each optic 1 Light colour White Required components:



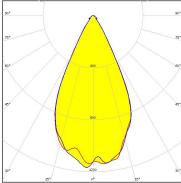
#### CREE 🕏

LED XHP35 HI

FWHM 52.0° Efficiency 93 %

Peak intensity 1.200 cd/lm

LEDs/each optic 1 Light colour White Required components:

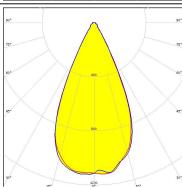


## CREE 🕏

LED XP-E FWHM 50.0°

Efficiency 94 % Peak intensity 1.200 cd/lm

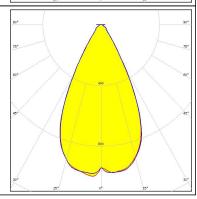
LEDs/each optic 1 Light colour White Required components:



## CREE 🕏

LED XP-G3 FWHM 54.0° Efficiency 94 %

Peak intensity 1.000 cd/lm

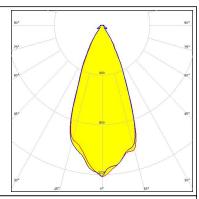


#### PHOTOMETRIC DATA (SIMULATED):

## CREE \$

LED XQ-E HI
FWHM 42.0°
Efficiency 93 %
Peak intensity 1.370 cd/lm

LEDs/each optic 1 Light colour White Required components:

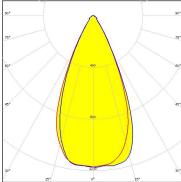


#### **MUMILEDS**

LED LUXEON 3030 2D (Round LES)

FWHM 49.0° Efficiency 94 % Peak intensity 1.200 cd/lm

LEDs/each optic 1
Light colour White
Required components:

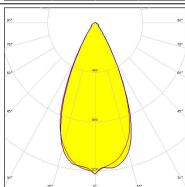


## **MUMILEDS**

LED LUXEON 3535L

FWHM 49.0° Efficiency 94 % Peak intensity 1.200 cd/lm

LEDs/each optic 1
Light colour White
Required components:



## **DESCRIPTION** LUMILEDS

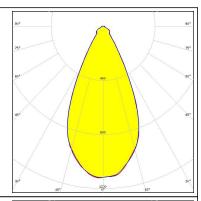
LED LUXEON A
FWHM 52.0°
Efficiency %
Peak intensity cd/lm

#### PHOTOMETRIC DATA (SIMULATED):

#### **MUMILEDS**

LED LUXEON C
FWHM 50.0°
Efficiency 94 %
Peak intensity 1.100 cd/lm

LEDs/each optic 1 Light colour White Required components:

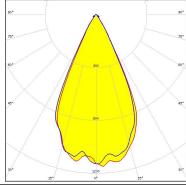


#### **MUMILEDS**

LED LUXEON H50-2

FWHM 52.0° Efficiency 91 % Peak intensity 4.700 cd/lm

LEDs/each optic 1 Light colour White Required components:



## **MUMILEDS**

LED LUXEON Rebel

FWHM 52.0° Efficiency % Peak intensity cd/lm

LEDs/each optic 1
Light colour White
Required components:

## *MNICHIA*

LED NVSxx19A
FWHM 50.0°
Efficiency %
Peak intensity cd/lm

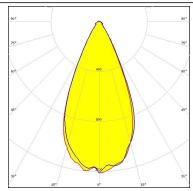
#### PHOTOMETRIC DATA (SIMULATED):

#### **OSRAM**

OSCONIQ P 3737 (2W version)

LED **FWHM** 48.0° 93 % Efficiency Peak intensity 1.200 cd/lm

LEDs/each optic 1 Light colour White Required components:



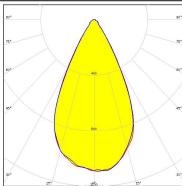
## OSRAM Opto Semiconductors

LED

OSCONIQ P 3737 (3W version)

**FWHM** 54.0° 94 % Efficiency Peak intensity 1.100 cd/lm

LEDs/each optic 1 White Light colour Required components:

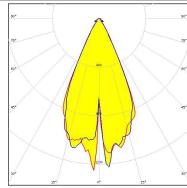


# OSRAM Opto Semiconductors

LED Oslon Square Gen3

**FWHM** 50.0° Efficiency 93 % Peak intensity 1.300 cd/lm

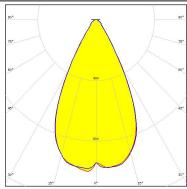
LEDs/each optic 1 Light colour White Required components:



LED Fortimo FastFlex LED 2x8 DAX G4

**FWHM** 54.0° Efficiency 94 % 1.000 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:



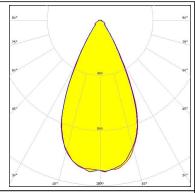
## PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTO

LED Acrich MJT 4040

FWHM 52.0° Efficiency 94 % Peak intensity 1.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:

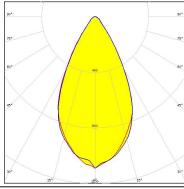


SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V

FWHM 54.0° Efficiency 94 % Peak intensity 1.100 cd/lm

LEDs/each optic 1 Light colour White Required components:



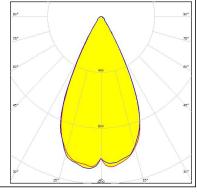
SEOUL SEMICONDUCTOR

 LED
 Z5M1/Z5M2

 FWHM
 52.0°

 Efficiency
 94 %

 Peak intensity
 1.100 cd/lm





#### **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:**

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