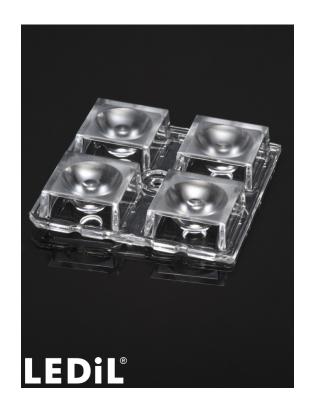


#### HB-2X2-M

~25° medium beam

#### **TECHNICAL SPECIFICATIONS:**

**Dimensions** 50.0 x 50.0 mm Height 8.5 mm glue, pin, screw Fastening **ROHS** compliant ves 🕕



MPQ

Box weight (kg)

#### **MATERIAL SPECIFICATIONS:**

Type Material Colour **Finish** Component HB-2X2-M Multi-lens **PMMA** clear

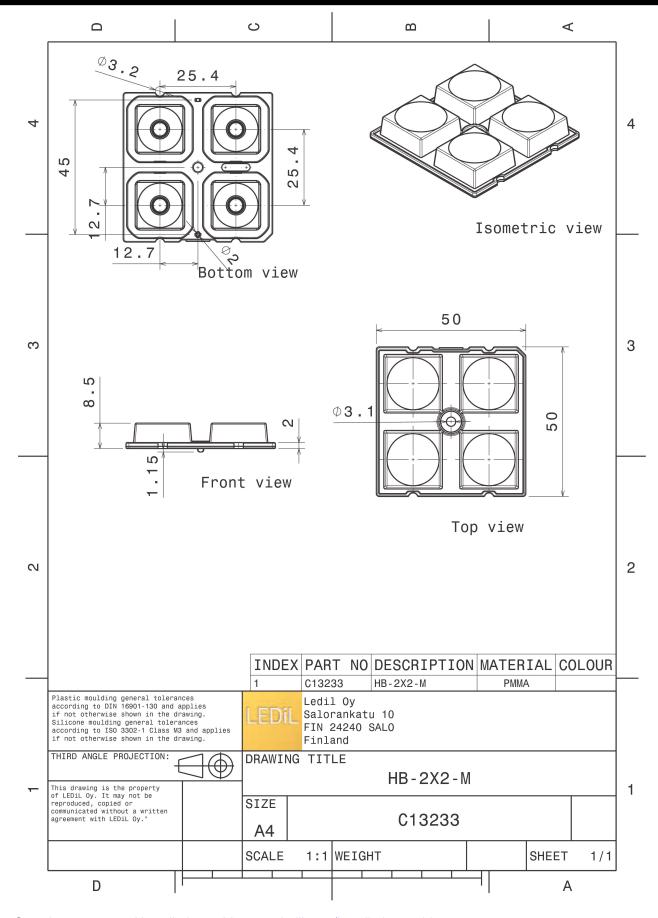
#### **ORDERING INFORMATION:**

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ

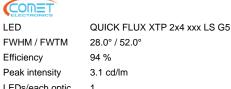
800 C13233\_HB-2X2-M 160 160 9.2



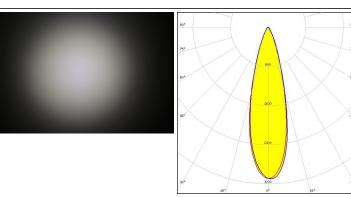


See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>





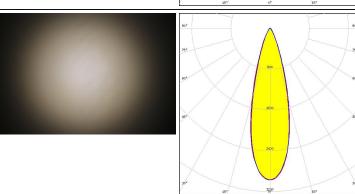
LEDs/each optic 1
Light colour White
Required components:



# CONET

LED QUICK FLUX XTP 2x6 xxx LS G5

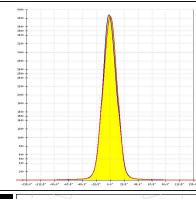
FWHM / FWTM 29.0° / 52.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### CREE - LED

LED XB-D White
FWHM / FWTM 26.0° / 47.0°
Efficiency 94 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White

Light colour Whit Required components:

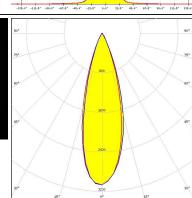


#### CREE - LED

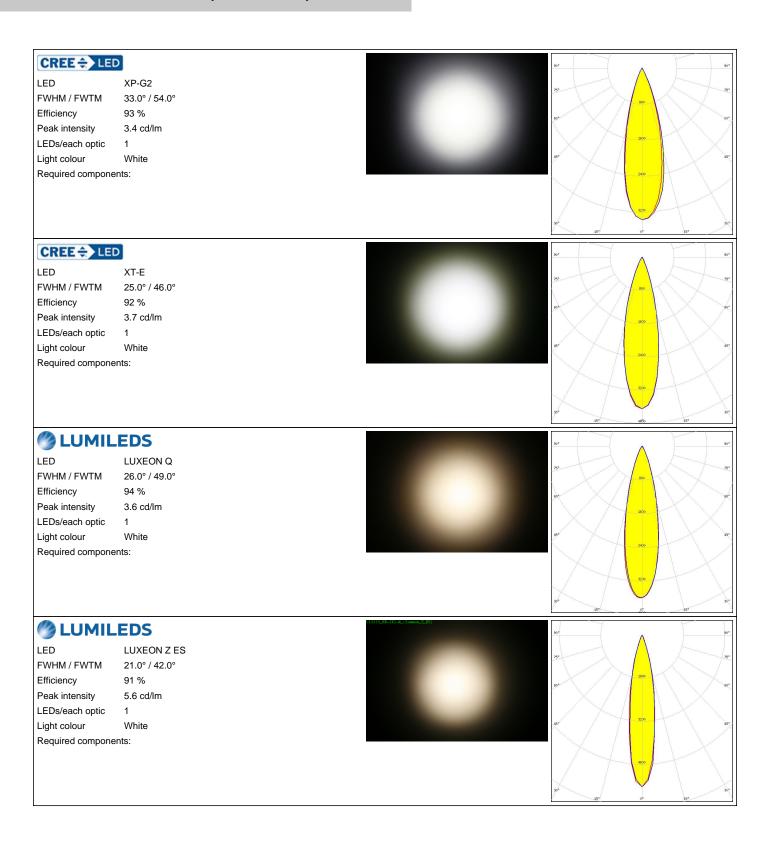
LED XP-G FWHM / FWTM 31.0° /

FWHM / FWTM 31.0° / 54.0°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

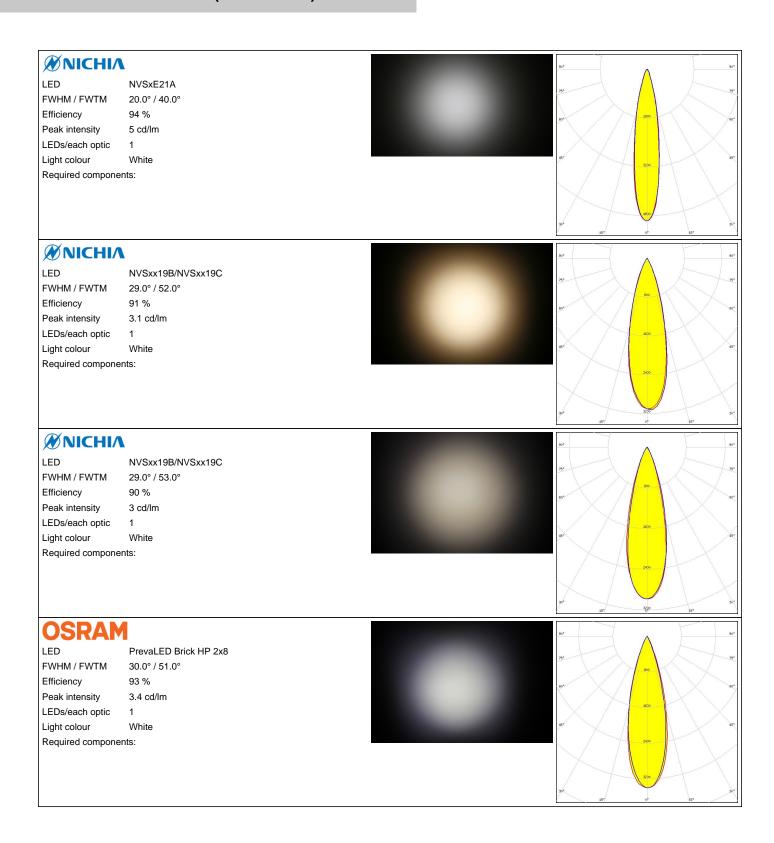










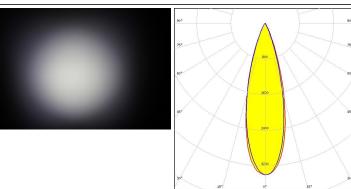




#### **OSRAM**

LED OSLON Square CSSRM2/CSSRM3

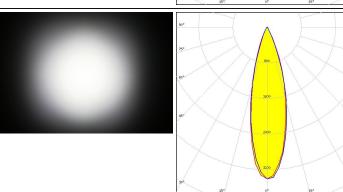
FWHM / FWTM 30.0° / 51.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### **OSRAM**

Opto Semiconducto

LEDOSLON Square PCFWHM / FWTM30.0° / 54.0°Efficiency91 %Peak intensity3.4 cd/lmLEDs/each optic1Light colourWhiteRequired components:



# SAMSUNG

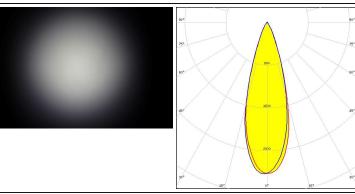
 LED
 LH351B

 FWHM / FWTM
 31.0° / 53.0°

 Efficiency
 94 %

 Peak intensity
 2.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

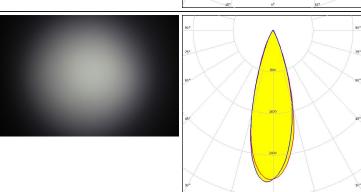


# **SAMSUNG**

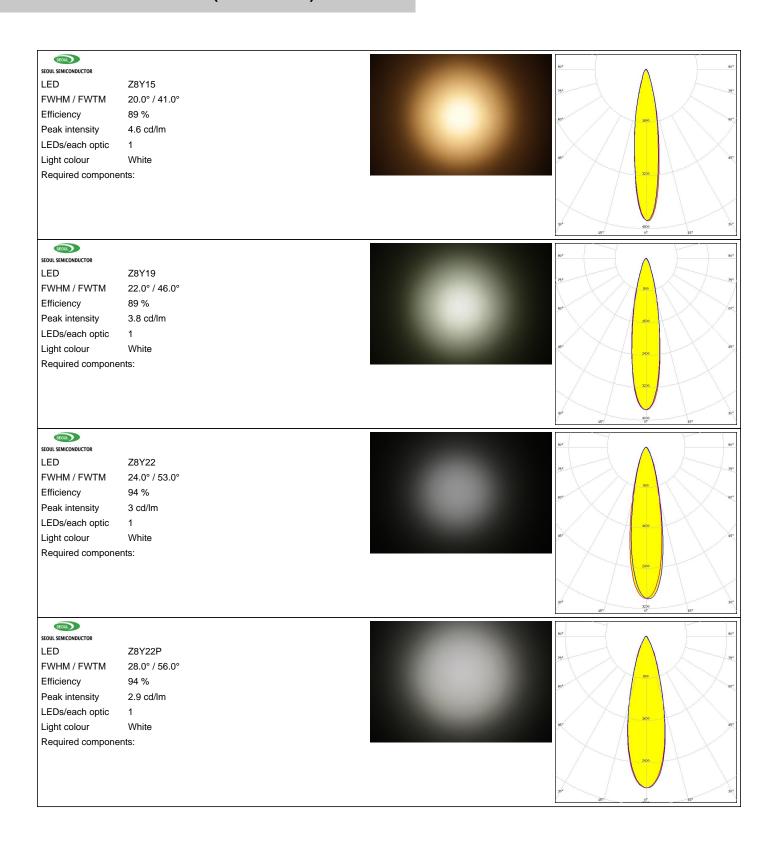
LED LH351Z

FWHM / FWTM 32.0° / 52.0°
Efficiency 93 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White

Light colour WI Required components:







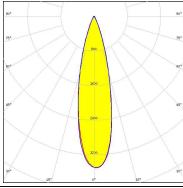


#### **TOSHIBA**

Leading Innovation

LED TL1L4
FWHM / FWTM 25.0° / 46.0°
Efficiency 85 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

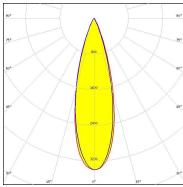




# **TRIDONIC**

LED RLE 2x4 2000lm HP EXC2 OTD

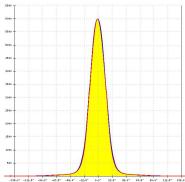
FWHM / FWTM 29.0° / 50.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



# TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

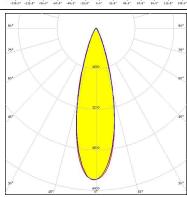
FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



# **TRIDONIC**

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

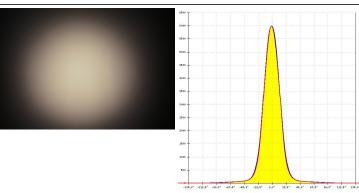






RLE G1 49x223mm 4000lm xxx EXC OTD

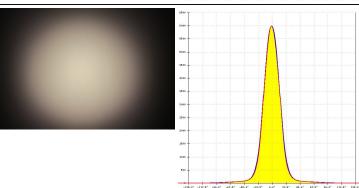
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 53.0° Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic Light colour White Required components:



# **TRIDONIC**

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 29.0° / 53.0° Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic 1 White Light colour Required components:





## PHOTOMETRIC DATA (SIMULATED):



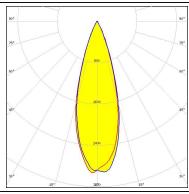
LED XD16
FWHM / FWTM 28.0° / 48.0°
Efficiency 95 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

#### CREE \$\(\phi\) LED

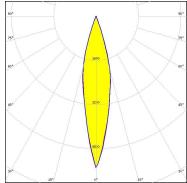
LED XP-G2
FWHM / FWTM 32.0° / 52.0°
Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



#### CREE - LED

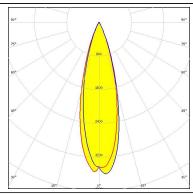
LED XQ-E HI
FWHM / FWTM 22.0° / 42.0°
Efficiency 93 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



# **MILEDS**

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 28.0° / 49.0°
Efficiency 94 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





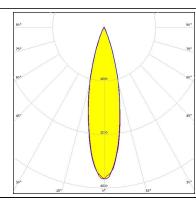
# PHOTOMETRIC DATA (SIMULATED):

# **LUMILEDS**

LED LUXEON C  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 25.0° / 45.0° Efficiency 94 %

Peak intensity 4.6 cd/lm LEDs/each optic Light colour White

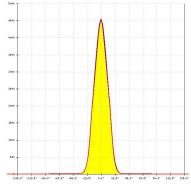
Required components:



#### **OSRAM**

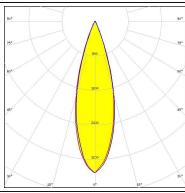
LED OSCONIQ C 2424 FWHM / FWTM 26.0° / 43.0° Efficiency 96 % Peak intensity 4.6 cd/lm LEDs/each optic 1 White Light colour

Required components:



# OSRAM Opto Semiconductor

LED OSLON SSL 80 FWHM / FWTM 29.6° / 48.1° Efficiency 94 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components:

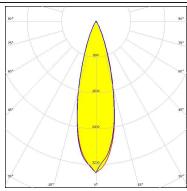


# **SAMSUNG**

LH231B FWHM / FWTM 28.0° / 50.0° 94 % Efficiency

Peak intensity 3.4 cd/lm LEDs/each optic White Light colour

Required components:





## PHOTOMETRIC DATA (SIMULATED):





# PRODUCT DATASHEET C13233\_HB-2X2-M

#### **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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# Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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LL01CR-AYG24R49 LL01A00CZMB2-M2 LL01ED-AKY38R49 LL01CR-CNE2545L06-M2 LL01ZZ-AAA38L49 LL01ED-AKV36R49
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