# **PRODUCT** FP16562\_LISA3-WWW-PIN

#### LISA3-WWW-PIN

~60° wide beam with location pin installation

#### **SPECIFICATION:**

Ø 9.9 mm **Dimensions** Height 7 mm Fastening pin **ROHS** compliant yes 🕕



#### **MATERIALS:**

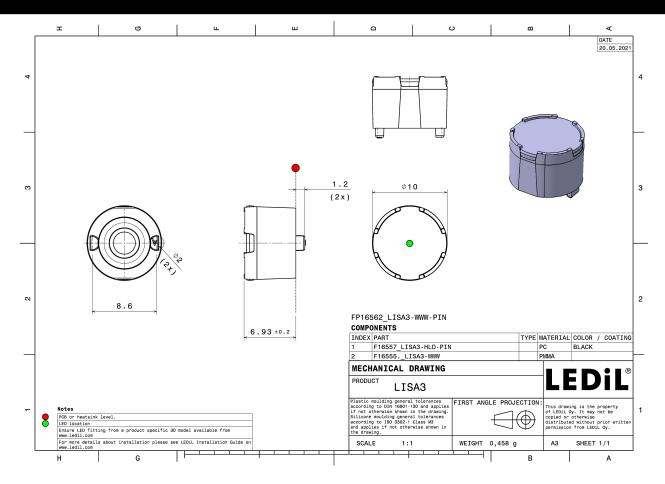
Material Colour **Finish** Component **Type** LISA3-WWW Single lens **PMMA** clear LISA3-HLD-PIN Holder PC black

#### **ORDERING INFORMATION:**

Component Qty in box MOQ **MPQ** Box weight (kg) FP16562\_LISA3-WWW-PIN Single lens 2000 300 100 1.4 » Box size: 310 x 230 x 60 mm



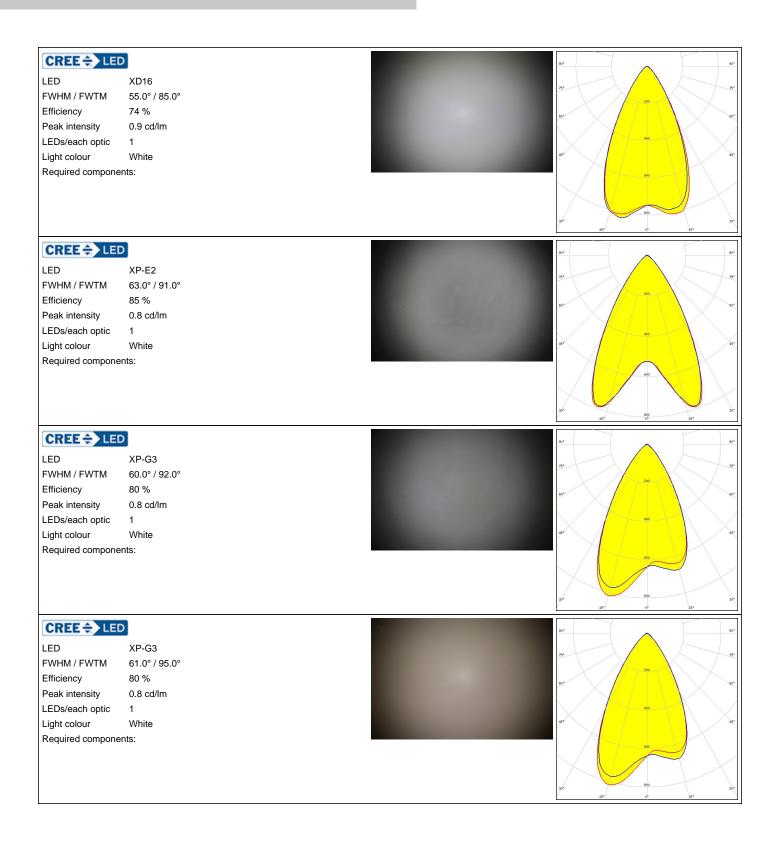
# **PRODUCT** FP16562\_LISA3-WWW-PIN



See also our general installation guide: www.ledil.com/installation\_guide

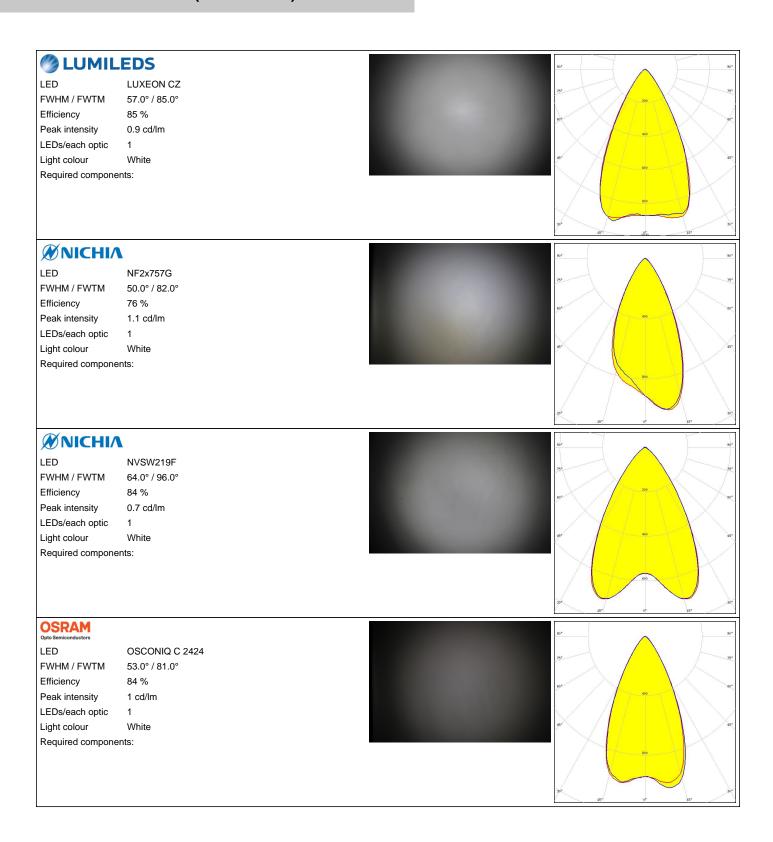


# **OPTICAL RESULTS (MEASURED):**



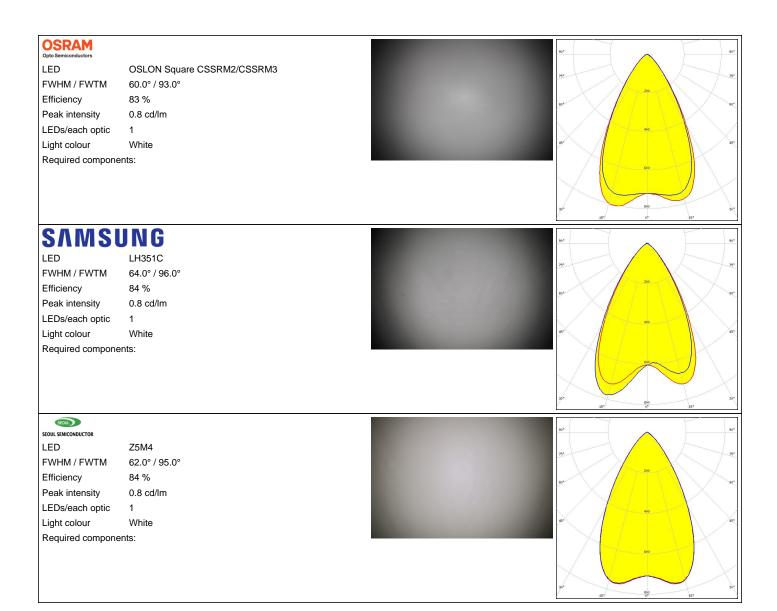


# **OPTICAL RESULTS (MEASURED):**





# **OPTICAL RESULTS (MEASURED):**







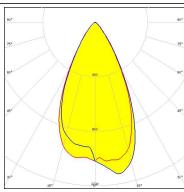
LED J Series 2835

FWHM / FWTM 53.0° / 82.0° Efficiency 87 %

Peak intensity 1.1 cd/lm

LEDs/each optic 1
Light colour White

Required components:



#### CREE \$\(\preceq\) LED

LED J Series 2835

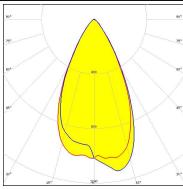
FWHM / FWTM 53.0° / 82.0° Efficiency 87 %

Peak intensity 1.1 cd/lm

LEDs/each optic 1

Light colour White Required components:

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#### CREE = LED

LED XP-E

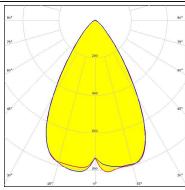
FWHM / FWTM 64.0° / 93.0°

Efficiency 89 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1
Light colour White

Required components:



#### CREE & LED

LED XP-G2

FWHM / FWTM 66.0° / 93.0°

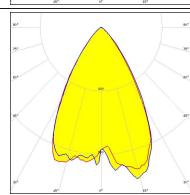
Efficiency 87 %

Peak intensity 0.8 cd/lm

Light colour White

Required components:

LEDs/each optic



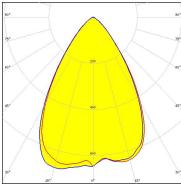




LED XP-G2 HE  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 68.0° / 100.0° Efficiency 82 %

Peak intensity 0.7 cd/lm LEDs/each optic Light colour White

Required components:

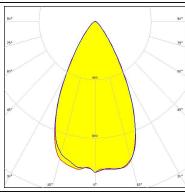


## **MUMILEDS**

LED LUXEON 2835 Line

FWHM / FWTM 54.0° / 82.0° Efficiency 88 % Peak intensity 1 cd/lm LEDs/each optic 1 White Light colour

Required components:

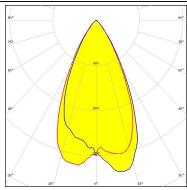


#### LUMILEDS

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 54.0° / 79.0° Efficiency 85 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White

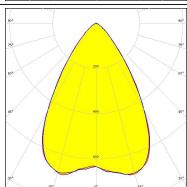
Required components:



#### **MUMILEDS**

LED LUXEON HL2X FWHM / FWTM 66.0° / 98.0° Efficiency 85 % Peak intensity 0.7 cd/lm

LEDs/each optic White Light colour Required components:







 LED
 LUXEON TX

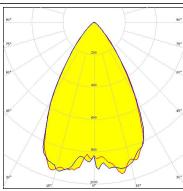
 FWHM / FWTM
 62.0° / 87.0°

 Efficiency
 85 %

 Peak intensity
 0.8 cd/lm

LEDs/each optic 1
Light colour White

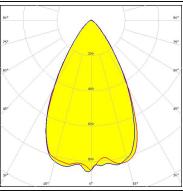
Required components:



## **MUMILEDS**

LED LUXEON V2
FWHM / FWTM 60.0° / 92.0°
Efficiency 88 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White

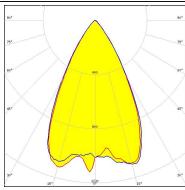
Required components:



## LUMILEDS

LED LUXEON Z
FWHM / FWTM 58.0° / 80.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



#### **MUMILEDS**

LED LUXEON Z ES
FWHM / FWTM 56.0° / 82.0°

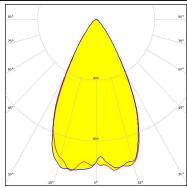
Efficiency 88 %

Peak intensity 1 cd/lm

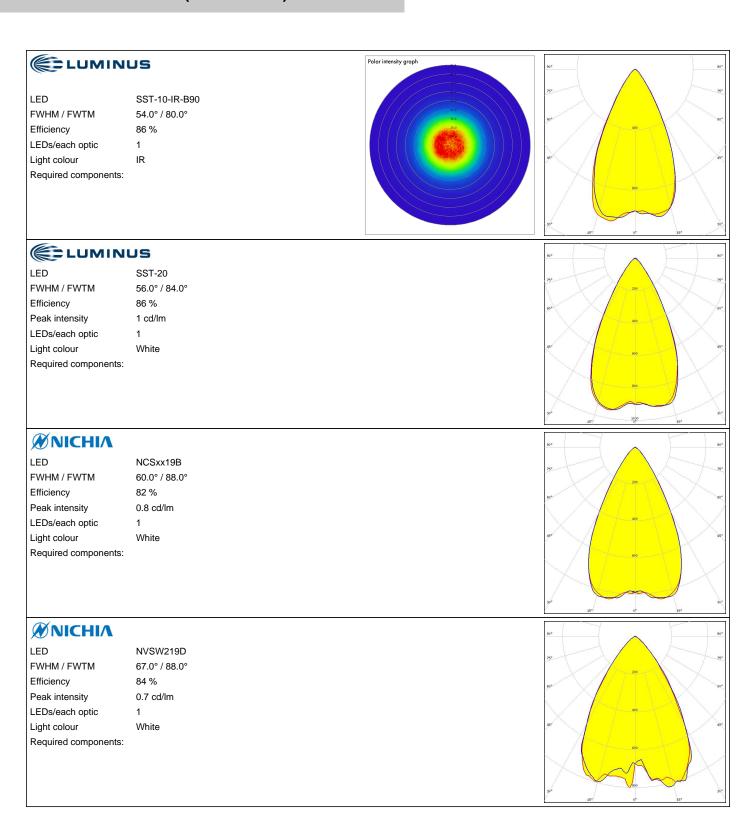
LEDs/each optic 1

Light colour White

Required components:







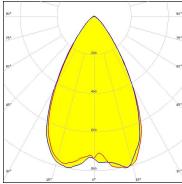




LED NVSxx19B/NVSxx19C

FWHM / FWTM 61.0° / 92.0° Efficiency 83 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour White

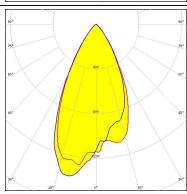
Required components:



#### **OSRAM**

LED Duris S5 (2 chip) FWHM / FWTM 49.0° / 77.0° Efficiency 87 % Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour

Required components:

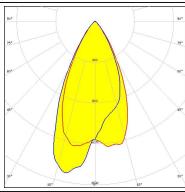


# OSRAM Opto Semiconductor

LED Duris S5 (Single chip)

FWHM / FWTM 48.0° / 76.0° Efficiency 86 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White

Required components:

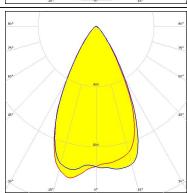


#### **OSRAM**

LED OSCONIQ P 3030

FWHM / FWTM 56.0° / 82.0° Efficiency 85 % Peak intensity 1 cd/lm LEDs/each optic White Light colour

Required components:

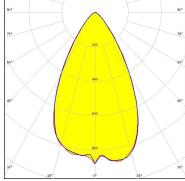




#### **OSRAM**

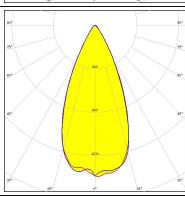
LED OSCONIQ P 3737 (3W version)

FWHM / FWTM 58.0° / 90.0° Efficiency 86 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour White Required components:



#### **OSRAM**

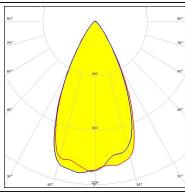
LED OSLON Black FWHM / FWTM 46.0° / 71.0° Efficiency 88 % Peak intensity 1.4 cd/lm LEDs/each optic 1 White Light colour Required components:



# OSRAM Opto Semiconductor

LED OSLON Black Flat (LUW HWQP)

FWHM / FWTM 54.0° / 80.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour Red Required components:

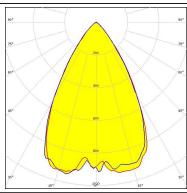


#### **OSRAM**

LED FWHM / FWTM OSLON Square EC 61.0° / 86.0°

Efficiency 86 % Peak intensity 0.9 cd/lm LEDs/each optic White Light colour

Required components:





#### **OSRAM**

LED

OSLON SSL 120

FWHM / FWTM

58.0° / 85.0°

Efficiency

89 %

Peak intensity

1 cd/lm

LEDs/each optic

Amber

Light colour Required components:

#### **OSRAM**

LED

OSLON SSL 150

FWHM / FWTM

63.0° / 84.0°

Efficiency Peak intensity 87 %

LEDs/each optic

0.9 cd/lm

1 White

Light colour Required components:

# OSRAM Opto Semiconductor

LED

OSLON SSL 80

FWHM / FWTM

53.0° / 79.0°

Efficiency

87 %

Peak intensity

1.1 cd/lm

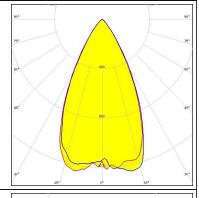
LEDs/each optic

1

Light colour

White

Required components:



#### **OSRAM**

LED

Efficiency

Synios P2720 1 mm

FWHM / FWTM

54.0° / 80.0°

Peak intensity

88 %

LEDs/each optic

1.1 cd/lm

Light colour

1 Red Required components:



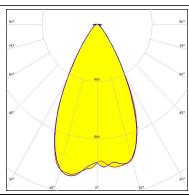
#### **OSRAM**

Light colour

LED SYNIOS S2222
FWHM / FWTM 55.0° / 82.0°
Efficiency 96 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1

White

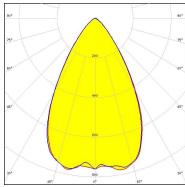
Required components:



# **SAMSUNG**

LED LH351B
FWHM / FWTM 62.0° / 95.0°
Efficiency 85 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:



# **SAMSUNG**

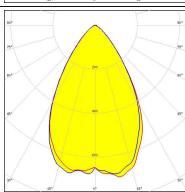
 LED
 LH351D

 FWHM / FWTM
 65.0° / 100.0°

 Efficiency
 81 %

 Peak intensity
 0.7 cd/lm

LEDs/each optic 1
Light colour White
Required components:



# **SAMSUNG**

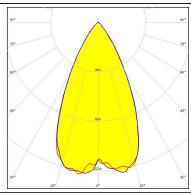
 LED
 LM301A

 FWHM / FWTM
 53.0° / 75.0°

 Efficiency
 87 %

 Peak intensity
 1.2 cd/lm

LEDs/each optic 1
Light colour White
Required components:





#### **SAMSUNG** LM301B FWHM / FWTM 55.0° / 82.0° Efficiency 87 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour White Required components: **SAMSUNG** LED LM302A FWHM / FWTM 53.0° / 80.0° Efficiency 87 % Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour Required components: STANLEY LED FWR1107MS $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 44.0° / 68.0° Efficiency 85 % LEDs/each optic 1 Light colour IR Required components: STANLEY LED FWR1108MS FWHM / FWTM 60.0° / 87.0° Efficiency 88 % LEDs/each optic 1 IR Light colour Required components:





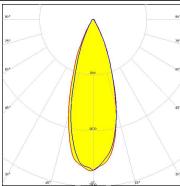
 LED
 MFN1107MS

 FWHM / FWTM
 35.0° / 60.0°

 Efficiency
 91 %

 Peak intensity
 2.2 cd/lm

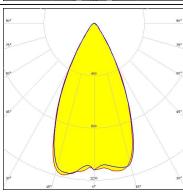
LEDs/each optic 1
Light colour IR
Required components:



#### STANLEY

LED MFN1108MS
FWHM / FWTM 52.0° / 76.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1

Light colour IR
Required components:



# STANLEY

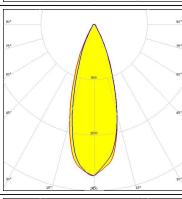
 LED
 MGN1107MS

 FWHM / FWTM
 35.0° / 60.0°

 Efficiency
 91 %

 Peak intensity
 2.2 cd/lm

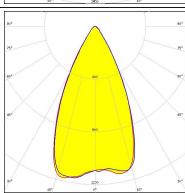
LEDs/each optic 1
Light colour IR
Required components:



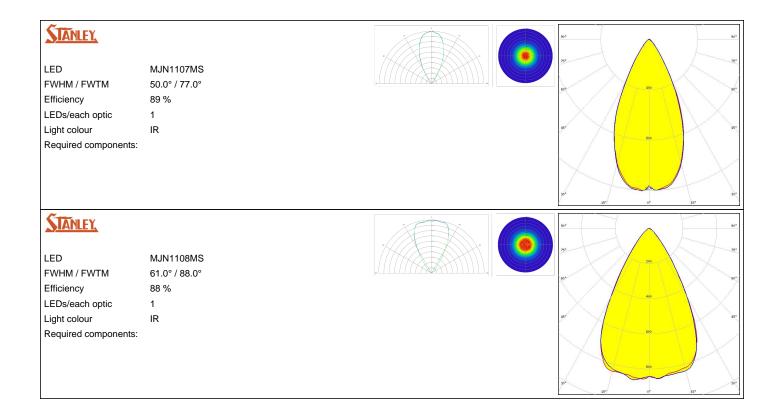
# STANLEY

LED MGN1108MS
FWHM / FWTM 52.0° / 76.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour IR

Light colour
Required components:









# PRODUCT DATASHEET FP16562 LISA3-WWW-PIN

#### **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.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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

# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Salo, Finland Hong Kong, China

#### **Distribution Partners**

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