

TINA2-D

~16° diffused spot beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



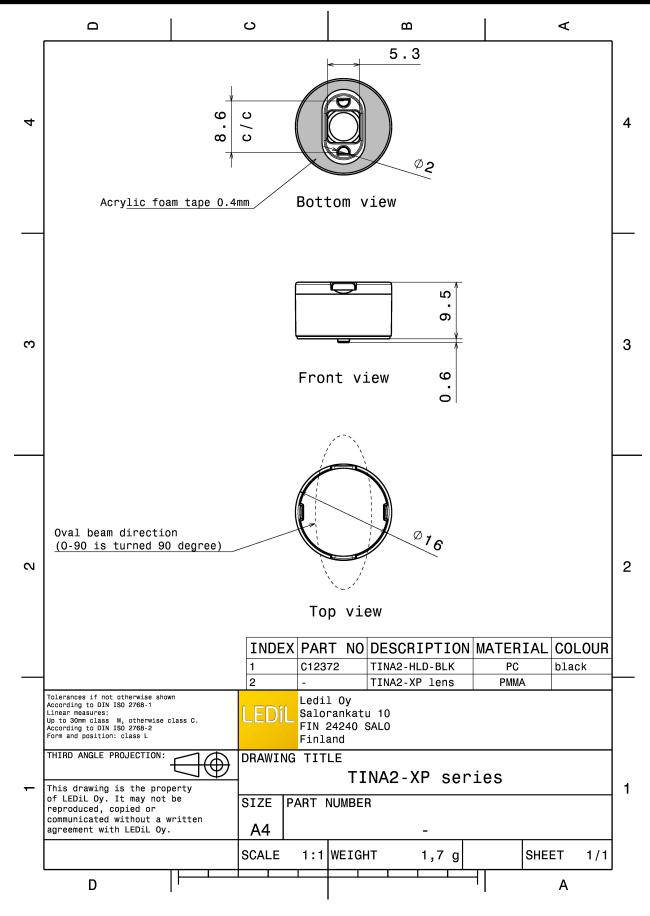
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA	clear	
TINA2-HLD-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12375_TINA2-D	Single lens	4140	230	230	8.1
» Box size: 451 x 241 x 298 mm					





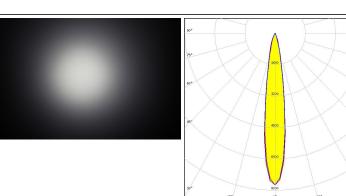
See also our general installation guide: www.ledil.com/installation_guide



PHOTOMETRIC DATA (MEASURED):

CREE . LED

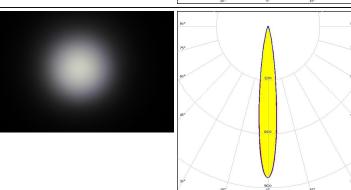
LED XB-H
FWHM / FWTM 16.0° / 34.0°
Efficiency 86 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White



CREE - LED

Required components:

LED XD16
FWHM / FWTM 14.0° / 29.0°
Efficiency 82 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



MATERIAL PROPERTY OF THE PROP

LED LUXEON Z ES FWHM / FWTM 12.0° / 27.0°

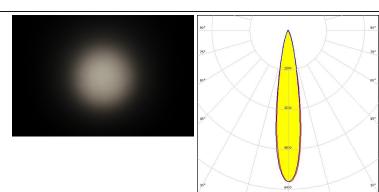
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



WNICHIA

LED NVSxx19B/NVSxx19C

FWHM / FWTM 18.0° / 36.0°
Efficiency 87 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



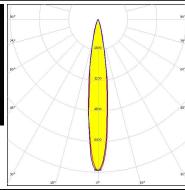


PHOTOMETRIC DATA (MEASURED):

OSRAM

LED OSLON Square EC $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 16.0° / 33.0° Efficiency 82 % Peak intensity 7.9 cd/lm LEDs/each optic Light colour White





OSRAM

Required components:

LED OSLON Square EC FWHM / FWTM 16.0° / 34.0° Efficiency 87 % Peak intensity 6.2 cd/lm LEDs/each optic 1 White Light colour Required components:

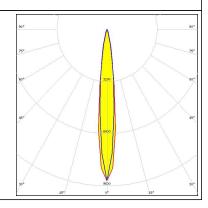
OSRAM Opto Semiconductors

LED OSLON Square PC FWHM / FWTM 13.0° / 32.0° Efficiency 87 % Peak intensity 6.3 cd/lm LEDs/each optic Light colour White Required components:

OSRAM

LED

OSLON SSL 150 FWHM / FWTM 14.0° / 28.0° Efficiency 89 % Peak intensity 9.3 cd/lm LEDs/each optic White Light colour Required components:

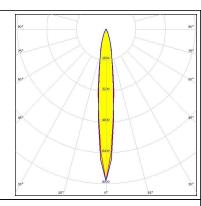




PHOTOMETRIC DATA (MEASURED):

OSRAM

LED OSLON SSL 80 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 35.0° Efficiency 87 % Peak intensity 7.9 cd/lm LEDs/each optic Light colour White Required components:



OSRAM

LED SFH 4170S FWHM / FWTM 8.0° / 20.0° Efficiency % LEDs/each optic 1 IR Light colour

Required components:

OSRAM Opto Semiconductors

LED SFH 4180S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 8.0° / 20.0°

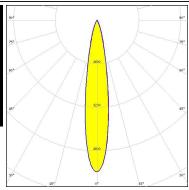
Efficiency % LEDs/each optic Light colour IR Required components:



SEOUL SEMICONDUCTOR

LED Z5M3 FWHM / FWTM 18.0° / 38.0° Efficiency 86 % Peak intensity 5.6 cd/lm LEDs/each optic White Light colour Required components:





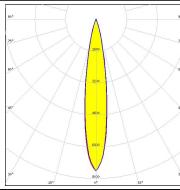


CREE . LED

LED XB-D White FWHM / FWTM 18.0° / 34.0° Efficiency 88 %

Peak intensity 7.6 cd/lm LEDs/each optic Light colour White

Required components:

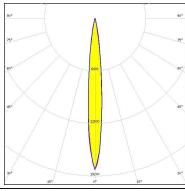


CREE - LED

LED XQ-E HI FWHM / FWTM 11.0° / 23.0° Efficiency 91 % Peak intensity 18.5 cd/lm

LEDs/each optic 1 White Light colour

Required components:

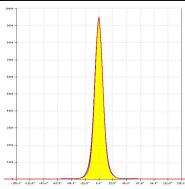


LUMILEDS

LED LUXEON 2835 Line FWHM / FWTM 15.0° / 31.0°

Efficiency 96 % Peak intensity 9.5 cd/lm LEDs/each optic 1 Light colour White

Required components:



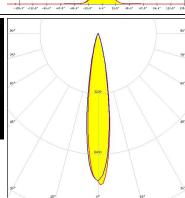
OSRAM

LED Duris S5 (2 chip) FWHM / FWTM 17.0° / 33.0°

92 % Efficiency Peak intensity 8 cd/lm LEDs/each optic White Light colour

Required components:







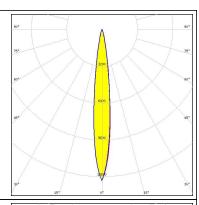


LED OSCONIQ P 3030

FWHM / FWTM 12.0° / 26.0° Efficiency 91 % Peak intensity 13.2 cd/lm

LEDs/each optic Light colour Blue

Required components:



OSRAM

LED **OSLON Signal** FWHM / FWTM 12.0° / 26.0° Efficiency 92 % Peak intensity 14.4 cd/lm

LEDs/each optic 1 Blue Light colour Required components:

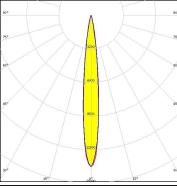
OSRAM Opto Semiconductor

OSLON Square Flat LED

FWHM / FWTM 12.0° / 24.0° Efficiency 91 % Peak intensity 14.5 cd/lm

LEDs/each optic 1 Light colour White Required components:





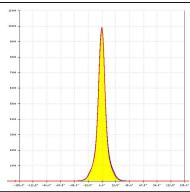
OSRAM

LED

OSLON SSL 80 FWHM / FWTM 12.0° / 31.0° Efficiency 90 % Peak intensity 9.9 cd/lm

LEDs/each optic Far Red Light colour

Required components:



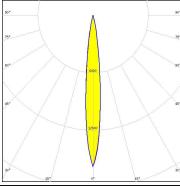


OSRAM

LED OSTAR Projection Compact (Kx.CSLNM1.xx)

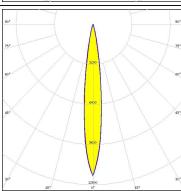
FWHM / FWTM 12.0° / 24.0° Efficiency 92 % Peak intensity 16.9 cd/lm LEDs/each optic Light colour White

Required components:



OSRAM Opto Semiconductors

LED SFH 4715AS FWHM / FWTM 14.0° / 26.0° Efficiency 90 % LEDs/each optic 1 IR Light colour Required components:

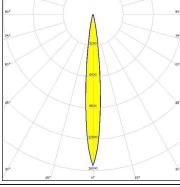


OSRAM Opto Semiconductors

LED SFH 4770S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 22.0° Efficiency 92 % LEDs/each optic 1 Light colour IR Required components:





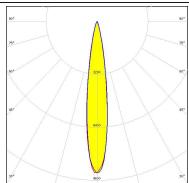


SAMSUNG

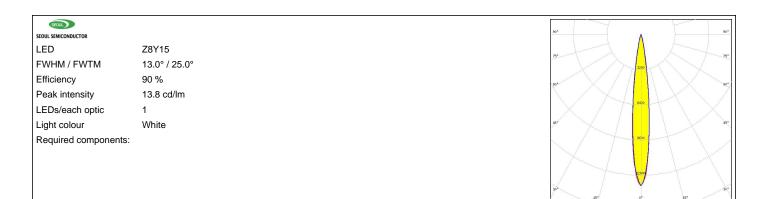
Required components:

LH181B

FWHM / FWTM 16.0° / 30.5° Efficiency 92 % Peak intensity 9.2 cd/lm LEDs/each optic White Light colour









PRODUCT DATASHEET CA12375_TINA2-D

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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