

LEIA-S

~3° spot beam

SPECIFICATION:

Dimensions Ø 50.0 mm

Height 53 mm

Fastening pin, screw

ROHS compliant yes ①



MATERIALS:

ComponentTypeMaterialColourFinishF16199_LEIA-SSingle lensPMMAF16213_LEIA-HLDHolderHRPCwhite

ORDERING INFORMATION:

Quantities for one set:

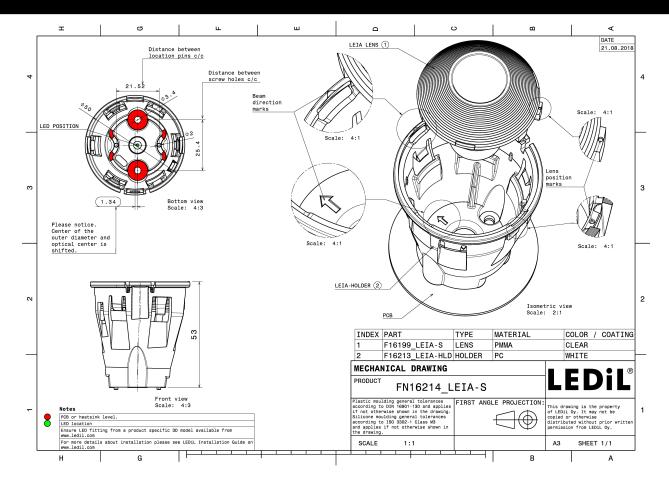
Single lens 1
Holder 1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
F16199_LEIA-S » Box size: 480 x 280 x 300 mm	Single lens	240	40	40	8.2
F16213_LEIA-HLD » Box size: 398 x 298 x 265 mm	Holder	400	40	20	5.8



PRODUCT DATASHEET



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

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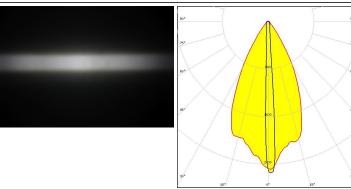


CREE . LED

LED XHP35 HD

FWHM / FWTM $52.0 + 6.0^{\circ}$ / $77.0 + 15.0^{\circ}$

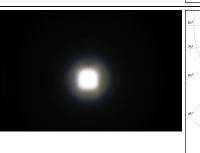
Efficiency 45 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F16629_LEIA-SUB-O

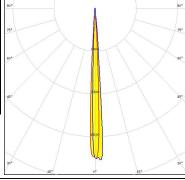


CREE - LED

LED XHP35 HD
FWHM / FWTM 6.0° / 9.0°
Efficiency 49 %
Peak intensity 22.8 cd/lm
LEDs/each optic 1

Light colour White Required components:





CREE - LED

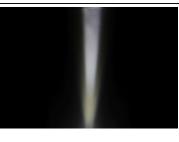
 LED
 XHP35 HD

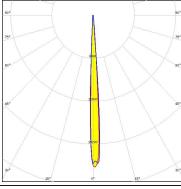
 FWHM / FWTM
 6.0° / 9.0°

 Efficiency
 50 %

 Peak intensity
 22.6 cd/lm

LEDs/each optic 1
Light colour White
Required components:





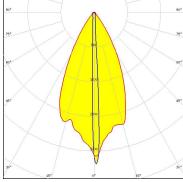
CREE - LED

LED XHP35 HI

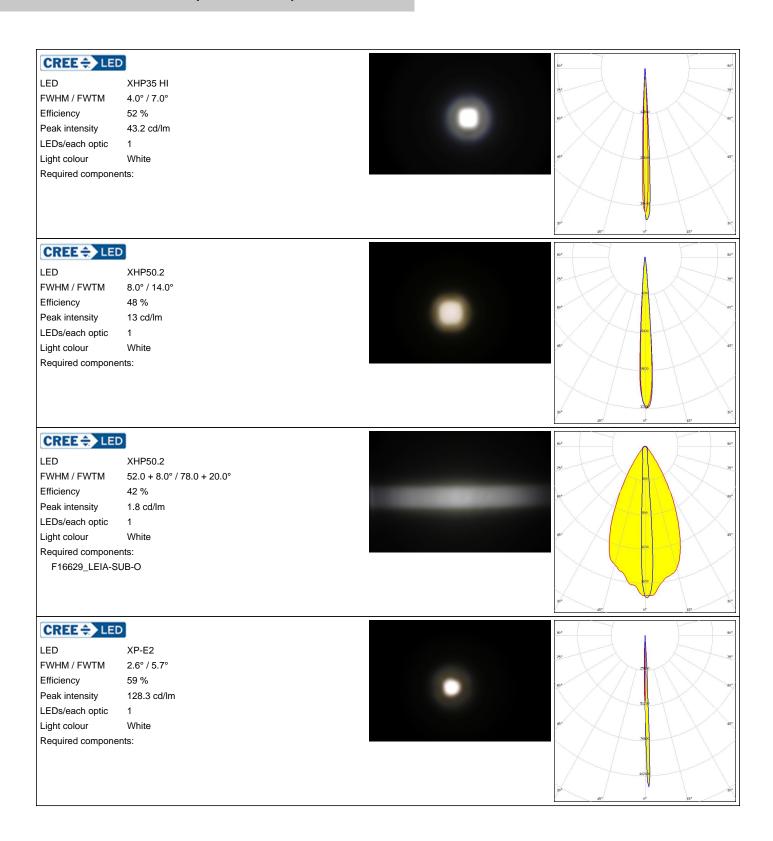
FWHM / FWTM 50.0 + 5.0° / 76.0 + 11.0°

Efficiency 47 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F16629_LEIA-SUB-O

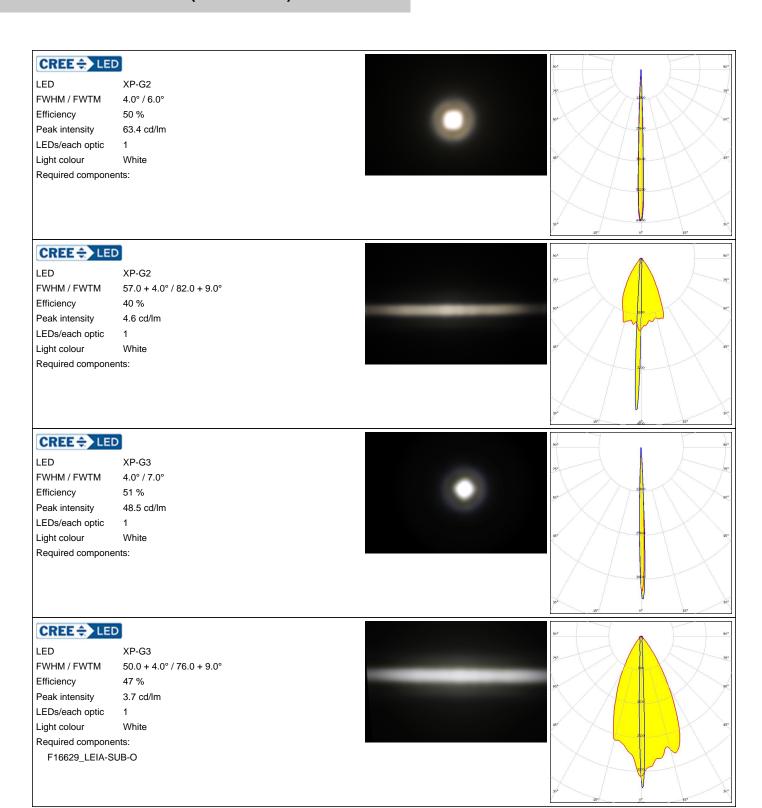










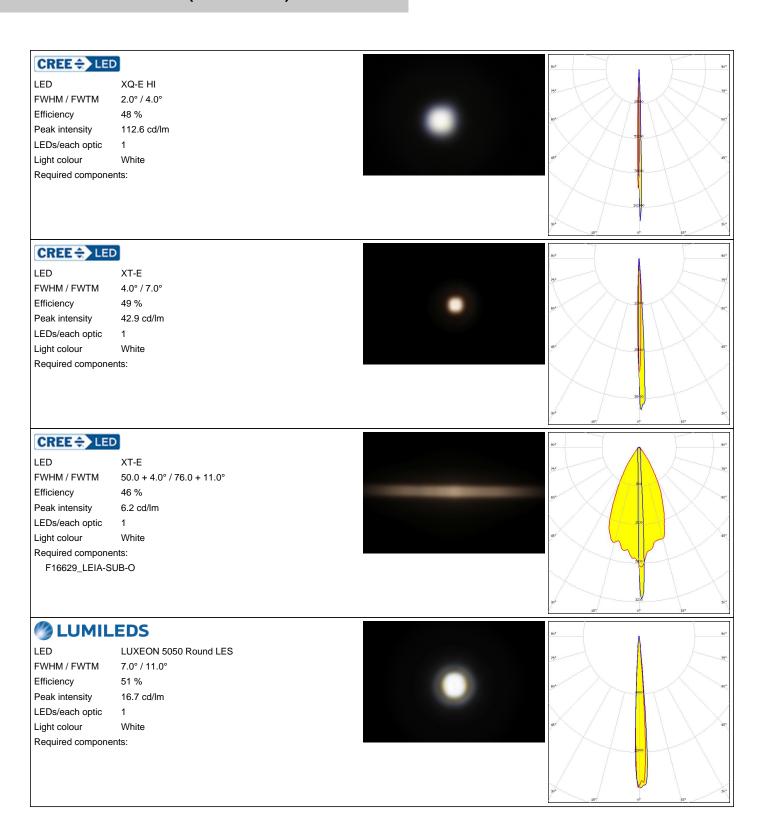




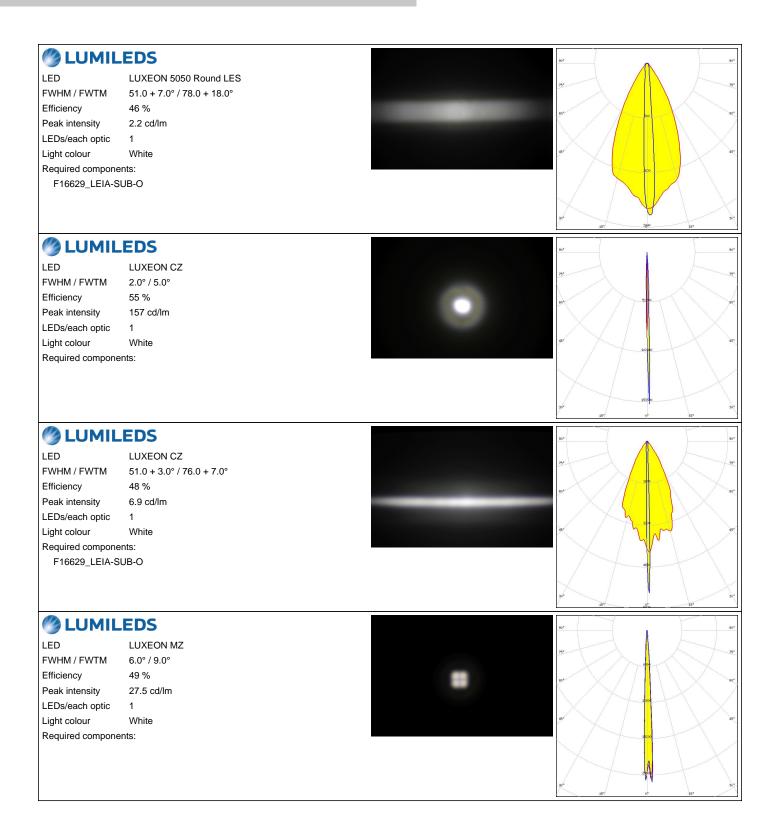
CREE - LED LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $51.0 + 6.0^{\circ} / 77.0 + 16.0^{\circ}$ Efficiency 49 % Peak intensity 2.8 cd/lm LEDs/each optic Light colour White Required components: F16629_LEIA-SUB-O CREE - LED LED XQ-E HD FWHM / FWTM 3.0° / 6.0° Efficiency 47 % Peak intensity 91 cd/lm LEDs/each optic 1 White Light colour Required components: CREE - LED XQ-E HD LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $50.0 + 3.0^{\circ} / 76.0 + 9.0^{\circ}$ Efficiency 42 % Peak intensity 4.6 cd/lm LEDs/each optic Light colour White Required components: F16629_LEIA-SUB-O CREE - LED XQ-E HI FWHM / FWTM 52.0 + 3.0° / 79.0 + 9.0° 44 % Efficiency Peak intensity 6 cd/lm LEDs/each optic White Light colour

Required components: F16629_LEIA-SUB-O

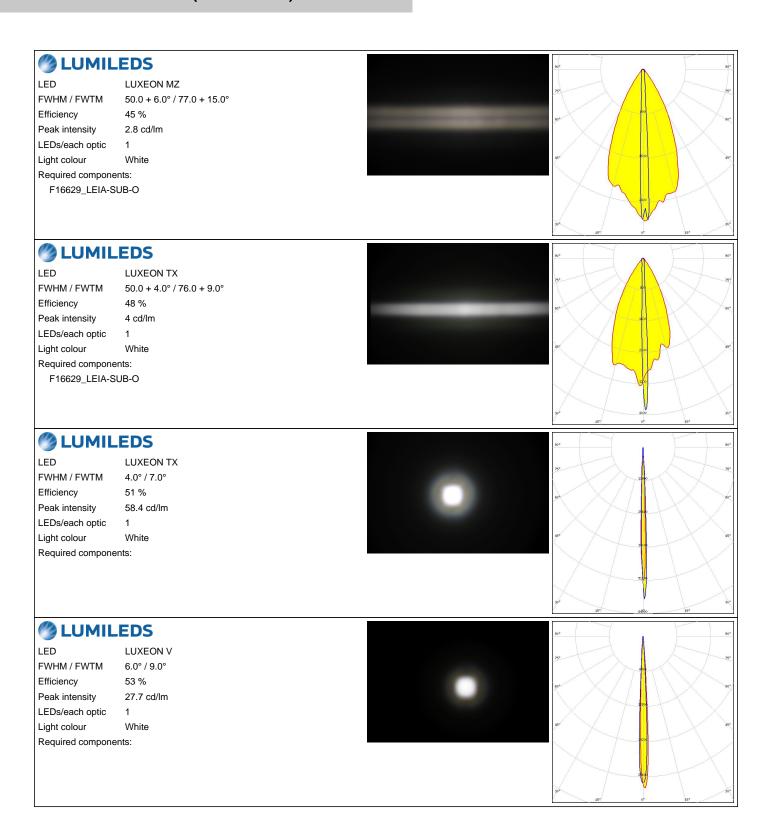




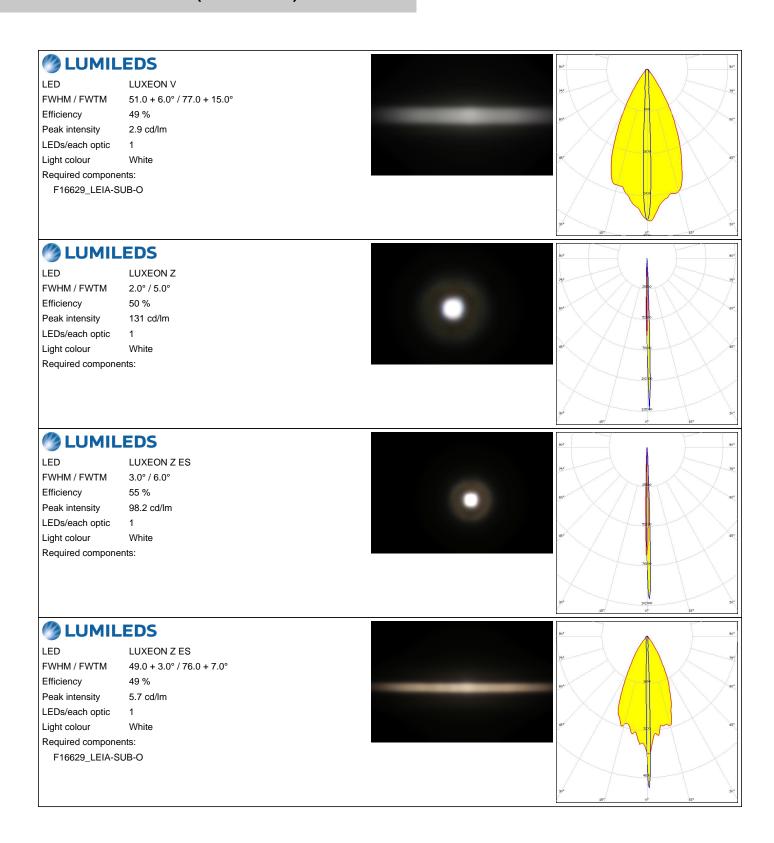




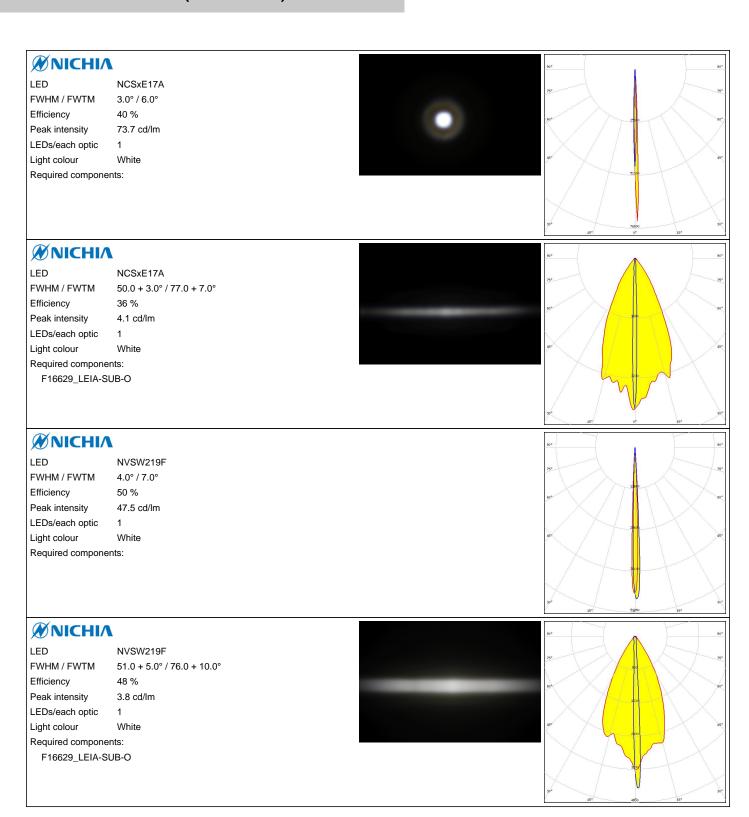




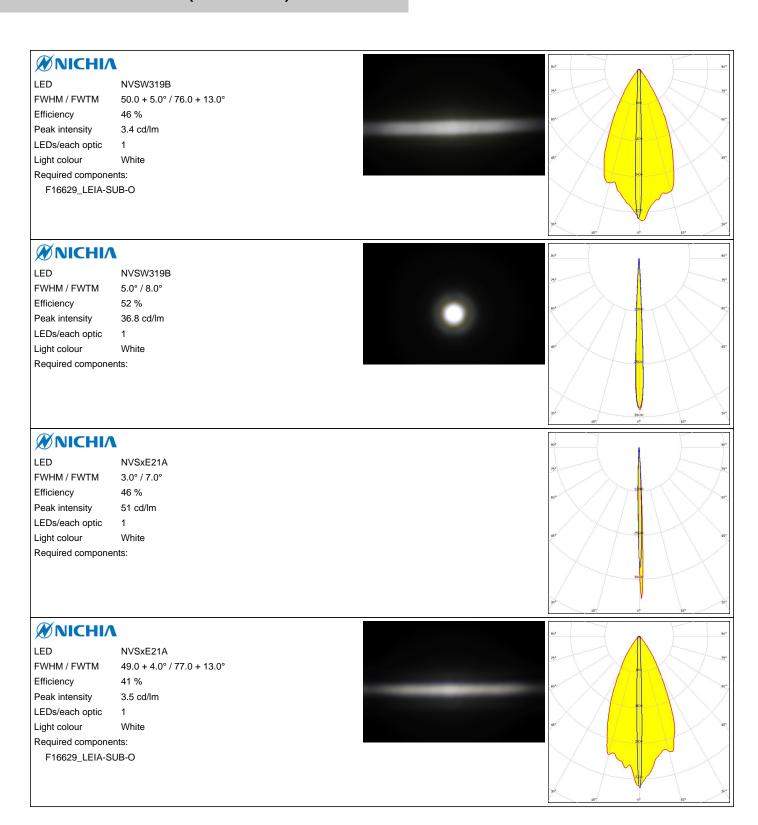




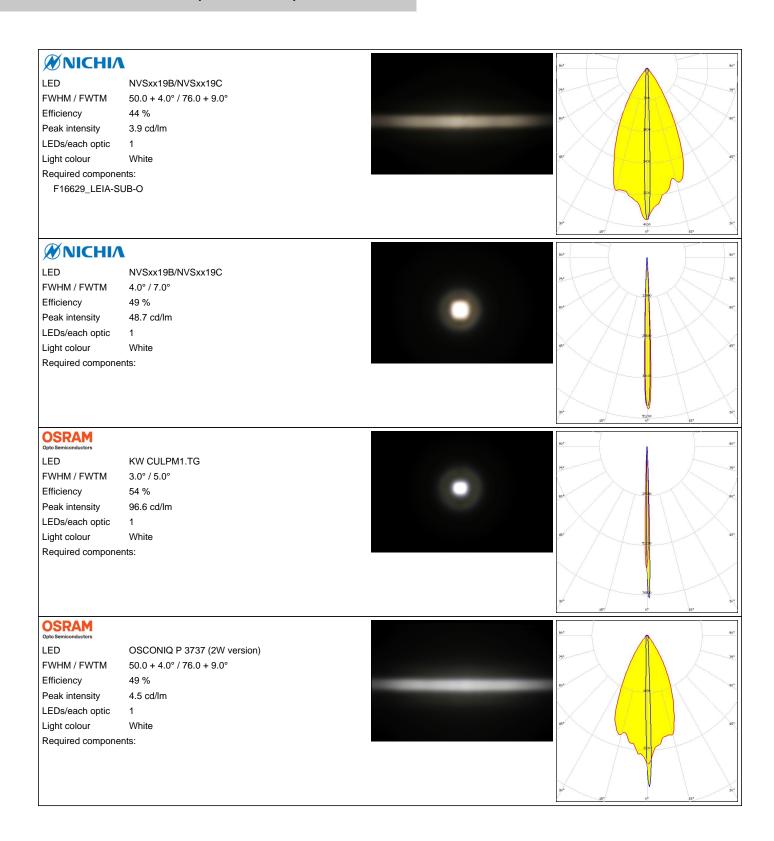












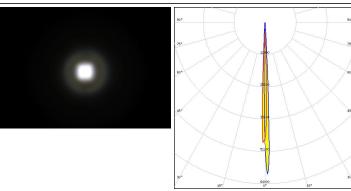


OSRAM

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 3.0° / 7.0° Efficiency 54 % Peak intensity 62.4 cd/lm LEDs/each optic Light colour White

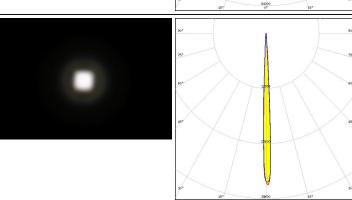
Required components:



OSRAM

LED OSCONIQ P 3737 (3W version)

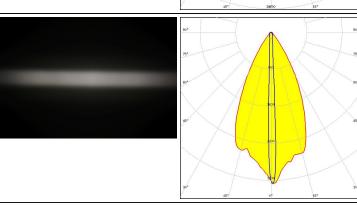
FWHM / FWTM 5.0° / 8.0° Efficiency 53 % Peak intensity 36 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductor

LED OSCONIQ P 3737 (3W version) $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 51.0 + 5.0° / 76.0 + 14.0°

Efficiency 48 % Peak intensity 3.4 cd/lm LEDs/each optic Light colour White Required components: F16629_LEIA-SUB-O



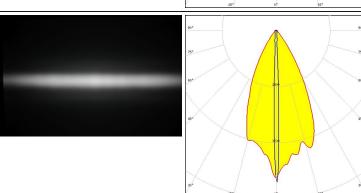
OSRAM

LED

OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 50.0 + 4.0° / 75.0 + 8.0°

Efficiency 46 % Peak intensity 4.4 cd/lm LEDs/each optic White Light colour Required components: F16629_LEIA-SUB-O



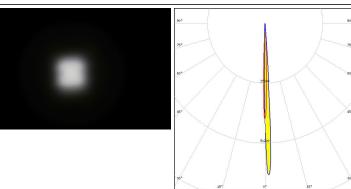


OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 4.0° / 7.0° Efficiency 49 % Peak intensity 64.8 cd/lm LEDs/each optic Light colour White

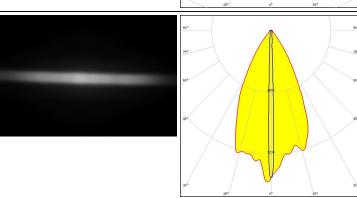
Required components:



OSRAM

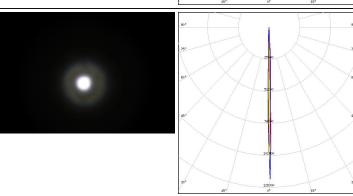
LED OSLON Square PC FWHM / FWTM 52.0 + 4.0° / 77.0 + 9.0°

Efficiency 42 % Peak intensity 3.9 cd/lm LEDs/each optic 1 White Light colour Required components: F16629_LEIA-SUB-O



OSRAM Opto Semiconductors

LED OSLON SSL 150 FWHM / FWTM 2.0° / 5.0° Efficiency 46 % Peak intensity 122 cd/lm LEDs/each optic Light colour White Required components:

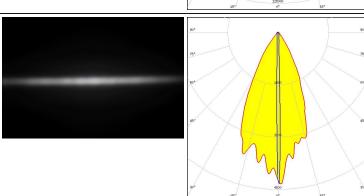


OSRAM

LED OSLON SSL 150

FWHM / FWTM 47.0 + 3.0° / 73.0 + 7.0°

Efficiency 40 % Peak intensity 4.9 cd/lm LEDs/each optic White Light colour Required components: F16629_LEIA-SUB-O

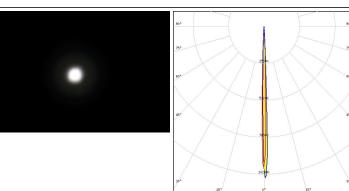




OSRAM

LED OSLON SSL 80 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 3.0° / 6.0° Efficiency 62 % Peak intensity 106.7 cd/lm

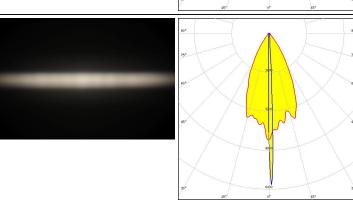
LEDs/each optic Light colour White Required components:



OSRAM

LED OSLON SSL 80 FWHM / FWTM 51.0 + 3.0° / 77.0 + 7.0°

Efficiency 56 % Peak intensity 6.5 cd/lm LEDs/each optic 1 White Light colour Required components: F16629_LEIA-SUB-O

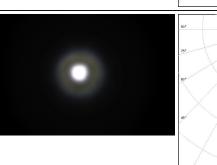


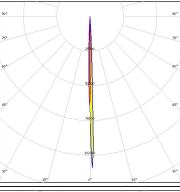
OSRAM Opto Semiconductors

LED OSTAR Projection Compact (Kx.CSLNM1.xx)

FWHM / FWTM 3.0° / 5.0° Efficiency 49 % Peak intensity 120.8 cd/lm

LEDs/each optic Light colour White Required components:



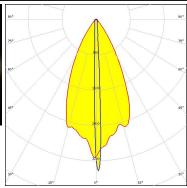


SAMSUNG

FWHM / FWTM 50.0 + 4.0° / 76.0 + 13.0°

Efficiency 46 % Peak intensity 3.5 cd/lm LEDs/each optic White Light colour Required components: F16629_LEIA-SUB-O







SAMSUNG

LED LH231B
FWHM / FWTM 4.0° / 7.0°
Efficiency 50 %
Peak intensity 43.6 cd/lm
LEDs/each optic 1

White

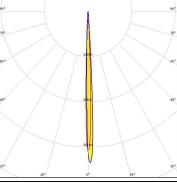
Light colour

Light colour

Required components:

Required components:

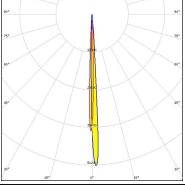




SAMSUNG

LED LH351B
FWHM / FWTM 4.0° / 7.0°
Efficiency 55 %
Peak intensity 54.4 cd/lm
LEDs/each optic 1





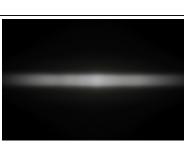
SAMSUNG

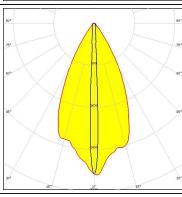
LED LH351B

FWHM / FWTM 52.0 + 4.0° / 77.0 + 10.0°

White

Efficiency 50 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F16629_LEIA-SUB-O

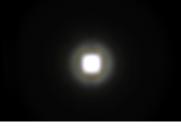


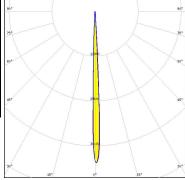


SAMSUNG

LED LH351C
FWHM / FWTM 4.0° / 7.0°
Efficiency 57 %
Peak intensity 46.1 cd/lm
LEDs/each optic 1

Light colour White Required components:







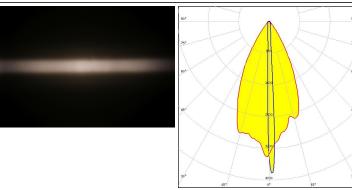
SAMSUNG

LED LH3510

FWHM / FWTM $50.0 + 5.0^{\circ}$ / $76.0 + 12.0^{\circ}$

Efficiency 52 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

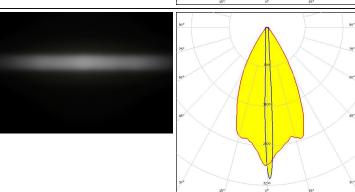


SAMSUNG

LED LH351D

FWHM / FWTM 53.0 + 5.0° / 77.0 + 14.0°

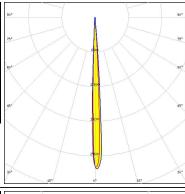
Efficiency 50 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F16629_LEIA-SUB-O



SAMSUNG

LED LH351D
FWHM / FWTM 5.0° / 9.0°
Efficiency 54 %
Peak intensity 29 cd/lm
LEDs/each optic 1
Light colour White

Required components:



SAMSUNG

 LED
 LH508A

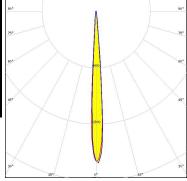
 FWHM / FWTM
 7.0° / 11.0°

 Efficiency
 50 %

 Peak intensity
 17.3 cd/lm

LEDs/each optic 1
Light colour White
Required components:







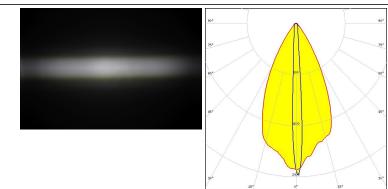
SAMSUNG

LED LH508A

 ${\rm FWHM\,/\,FWTM} \qquad 52.0\,+\,7.0^{\circ}\,/\,78.0\,+\,17.0^{\circ}$

Efficiency 45 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

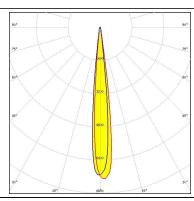
F16629_LEIA-SUB-O





CREE 1 LED

LED XHP70.2
FWHM / FWTM 12.0° / 18.0°
Efficiency 48 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White



CREE - LED

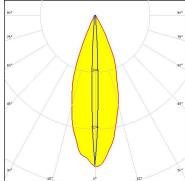
Required components:

LED XP-G2 HE

FWHM / FWTM 36.0 + 5.0° / 58.0 + 12.0°

Efficiency 44 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

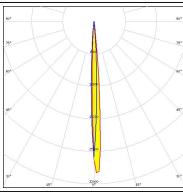
equired components: F16629_LEIA-SUB-O



CREE 1 LED

LED XP-G2 HE
FWHM / FWTM 5.0° / 11.0°
Efficiency 48 %
Peak intensity 29.9 cd/lm
LEDs/each optic 1
Light colour White

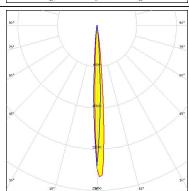
Required components:



CREE - LED

LED XP-L HD
FWHM / FWTM 6.3° / 12.9°
Efficiency 51 %
Peak intensity 23.5 cd/lm
LEDs/each optic 1
Light colour White

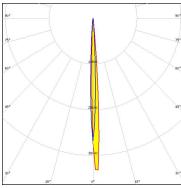
Required components:





CREE . LED

LED XP-L HI
FWHM / FWTM 4.5° / 9.5°
Efficiency 53 %
Peak intensity 42.6 cd/lm
LEDs/each optic 1
Light colour White



MUMILEDS

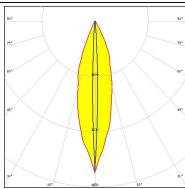
Required components:

LED LUXEON C

FWHM / FWTM 27.0 + 4.0° / 54.0 + 10.0°

Efficiency 35 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour Red
Required components:

F16629_LEIA-SUB-O



DESCRIPTION LUMILEDS

 LED
 LUXEON C

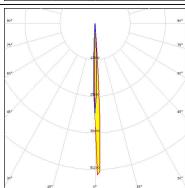
 FWHM / FWTM
 3.6° / 7.0°

 Efficiency
 36 %

 Peak intensity
 53.7 cd/lm

 LEDs/each optic
 1

Light colour White Required components:



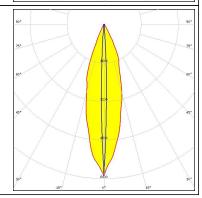
MILEDS

F16629_LEIA-SUB-O

LED LUXEON CZ

FWHM / FWTM $28.0 + 4.0^{\circ} / 54.0 + 10.0^{\circ}$

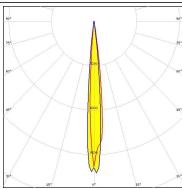
Efficiency 47 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour Red
Required components:







LED LUXEON CZ
FWHM / FWTM 10.0° / 16.0°
Efficiency 42 %
Peak intensity 11 cd/lm
LEDs/each optic 4
Light colour White



MUMILEDS

Required components:

LED LUXEON Rubix
FWHM / FWTM 5.0° / 9.0°

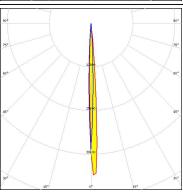
Efficiency 49 %

Peak intensity 44.5 cd/lm

LEDs/each optic 1

Light colour Blue

Required components:



MILEDS

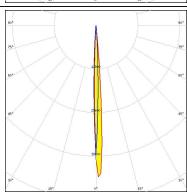
LED LUXEON Rubix
FWHM / FWTM 5.0° / 9.0°

Efficiency 49 %

Peak intensity 44.5 cd/lm

LEDs/each optic 1

Light colour Green



MILEDS

Required components:

LED LUXEON Rubix
FWHM / FWTM 4.0° / 7.0°

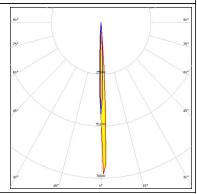
Efficiency 45 %

Peak intensity 74.7 cd/lm

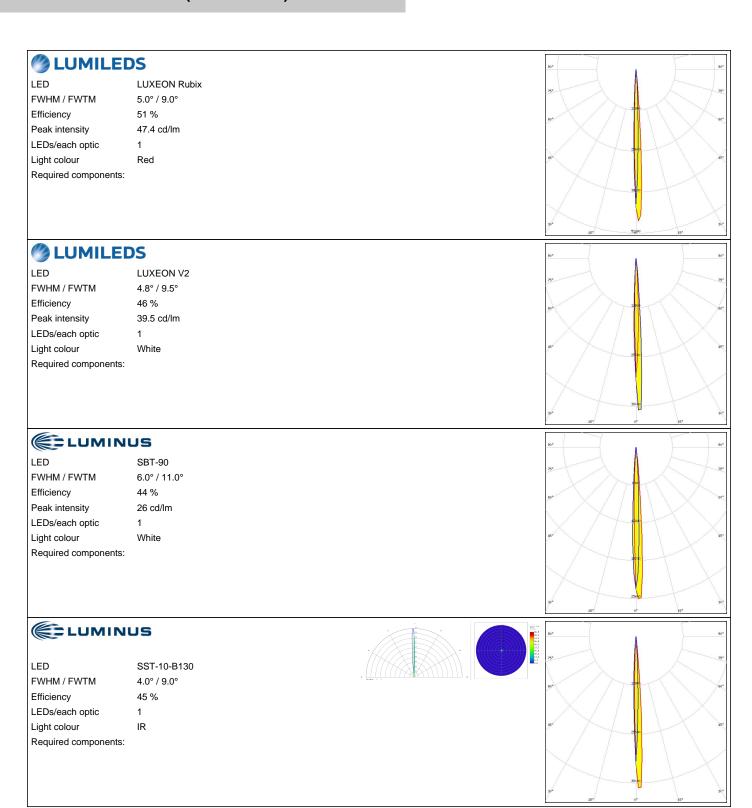
LEDs/each optic 1

Light colour White

Required components:



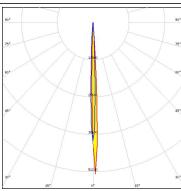






WNICHIA

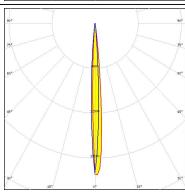
LED NF2x757G $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 4.6° / 9.2° Efficiency 50 % Peak intensity 52.2 cd/lm LEDs/each optic Light colour White



WNICHIA

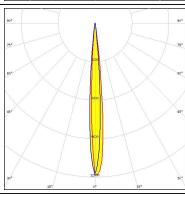
Required components:

LED NV4WB35AM FWHM / FWTM 7.0° / 13.0° Efficiency 46 % Peak intensity 21.9 cd/lm LEDs/each optic 1 White Light colour Required components:



WNICHIA

LED NV4x144A FWHM / FWTM 9.0° / 15.0° Efficiency 44 % Peak intensity 12.6 cd/lm LEDs/each optic 1 Light colour White

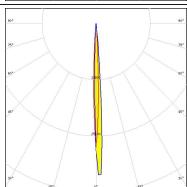


WNICHIA

Required components:

Required components:

LED NVSW3x9A FWHM / FWTM 2.4° / 4.8° 44 % Efficiency Peak intensity 34.5 cd/lm LEDs/each optic White Light colour

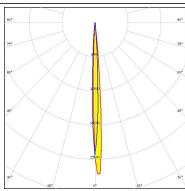




WNICHIA

LED NVSW519A FWHM / FWTM 5.0° / 10.0° Efficiency 45 % Peak intensity 28.4 cd/lm LEDs/each optic Light colour White

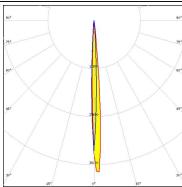
Required components:



OSRAM

LED OSLON Black Flat FWHM / FWTM 4.5° / 11.0° Efficiency 50 % Peak intensity 40.4 cd/lm LEDs/each optic 1 White Light colour

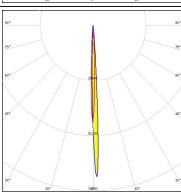
Required components:



OSRAM Opto Semiconductor

LED OSLON Square EC

FWHM / FWTM 4.0° / 8.0° Efficiency 57 % Peak intensity 68 cd/lm LEDs/each optic 1 Light colour White Required components:

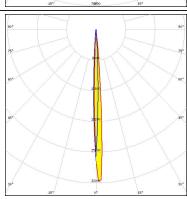


OSRAM Opto Semiconductors

LED

OSLON SSL 150 FWHM / FWTM 5.0° / 10.0° Efficiency 41 % Peak intensity 31.6 cd/lm LEDs/each optic 1 Red Light colour

Required components:





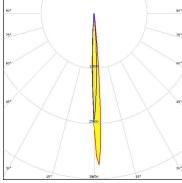
OSRAM

LED OSTAR Stage (S2WM)

White

FWHM / FWTM 6.0° / 11.0° Efficiency 49 % Peak intensity 35.2 cd/lm LEDs/each optic

Required components:



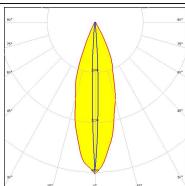
OSRAM

Light colour

LED OSTAR Stage (S2WM) FWHM / FWTM 32.0 + 4.0° / 56.0 + 12.0°

Efficiency 47 % Peak intensity 4.9 cd/lm LEDs/each optic 1 White Light colour

Required components: F16629_LEIA-SUB-O



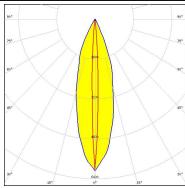
OSRAM Opto Semiconductors

LED SFH 4715AS

FWHM / FWTM $29.0 + 4.0^{\circ} / 56.0 + 12.0^{\circ}$

Efficiency 53 % Peak intensity 6.1 cd/lm LEDs/each optic 1 Light colour White

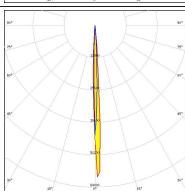
Required components: F16629_LEIA-SUB-O



OSRAM

LED SFH 4715AS FWHM / FWTM 4.0° / 9.0°

Efficiency 47 % LEDs/each optic 1 IR Light colour Required components:









PRODUCT DATASHEET LEIA-S

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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