

TINA3-W

~40° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and
location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	7.3 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

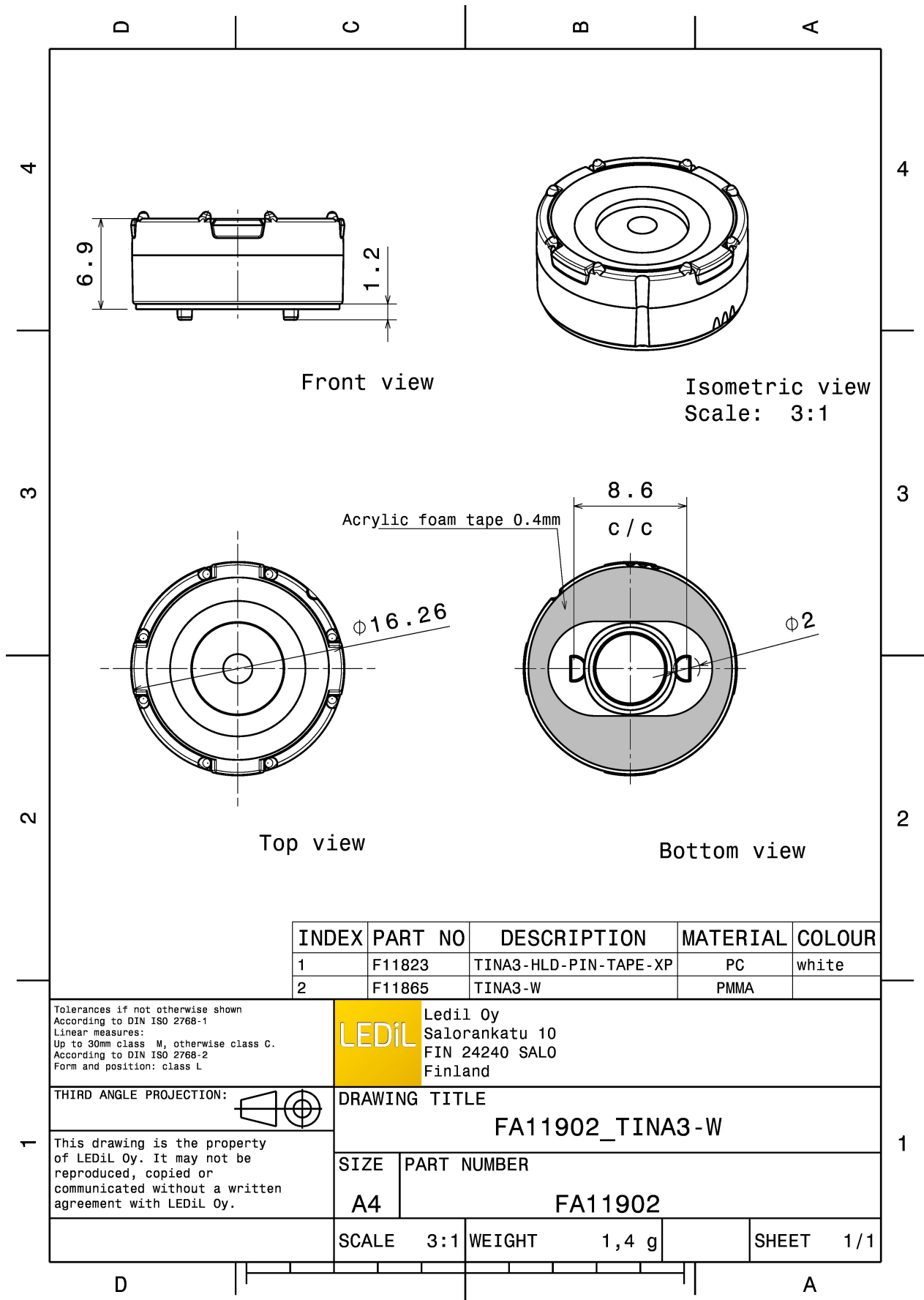


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA3-W	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11902_TINA3-W	Single lens	2016	288	288	3.5
» Box size: 470 x 240 x 105 mm					

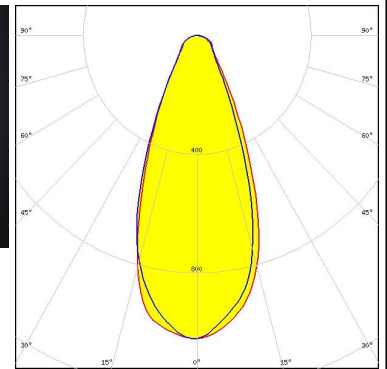
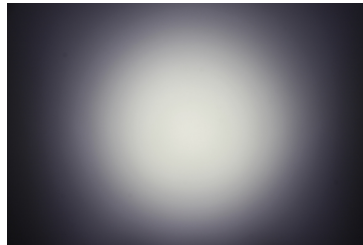


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

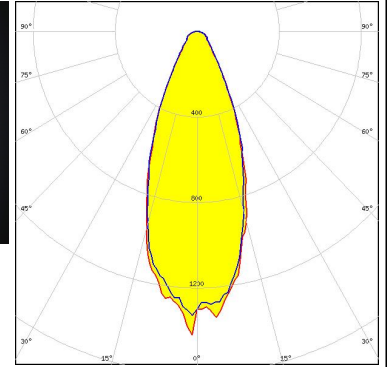
CREE ⇄ LED

LED XM-L
 FWHM / FWTM 43.0° / 82.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



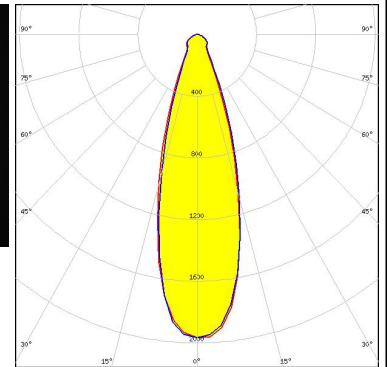
CREE ⇄ LED

LED XM-L2
 FWHM / FWTM 38.0° / 70.0°
 Efficiency 91 %
 LEDs/each optic 1
 Light colour White
 Required components:



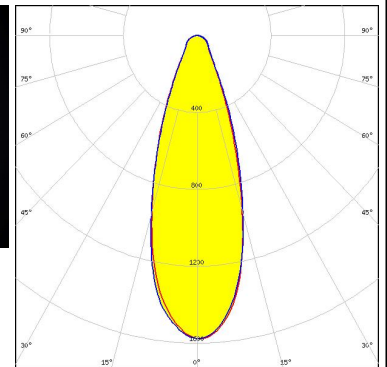
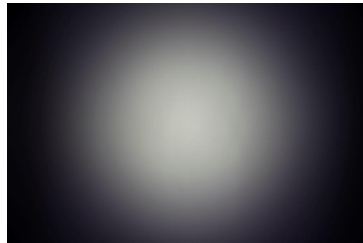
CREE ⇄ LED

LED XP-G2
 FWHM / FWTM 32.0° / 58.0°
 Efficiency 89 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


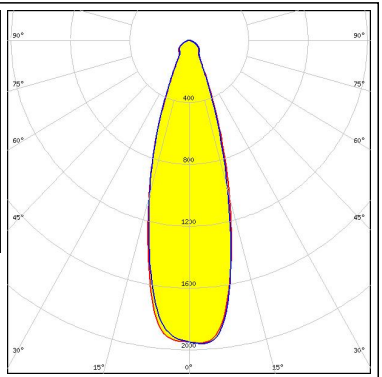

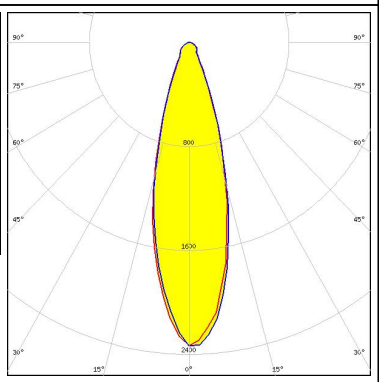

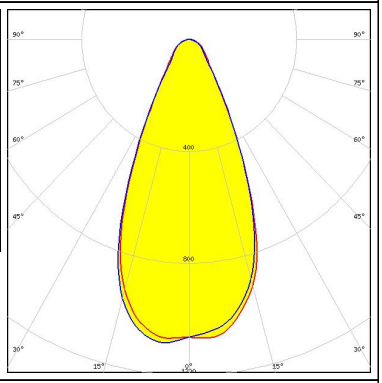

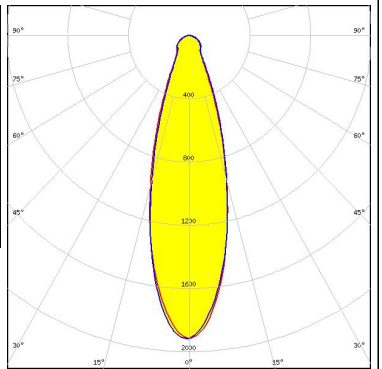


CREE ⇄ LED

LED XP-L HD
 FWHM / FWTM 34.0° / 68.0°
 Efficiency 89 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



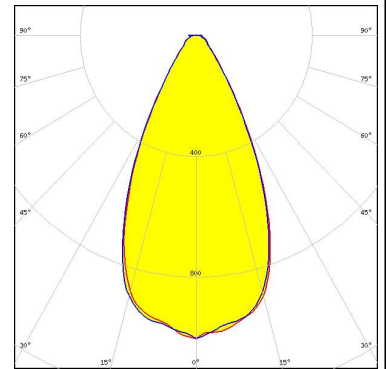
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XP-L HI FWHM / FWTM 31.0° / 57.0° Efficiency 91 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LED</p> <p>LED XT-E FWHM / FWTM 30.0° / 57.0° Efficiency 92 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NS9x383 FWHM / FWTM 48.0° / 85.0° Efficiency 90 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSU333A FWHM / FWTM 30.0° / 60.0° Efficiency 94 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

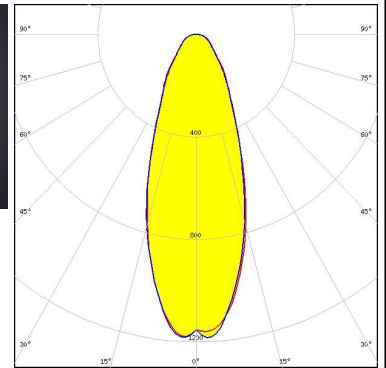
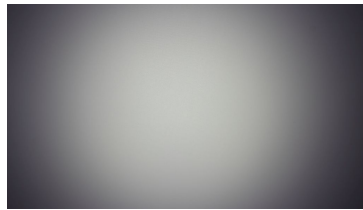
CREE LED

LED XD16
 FWHM / FWTM 52.0° / 86.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



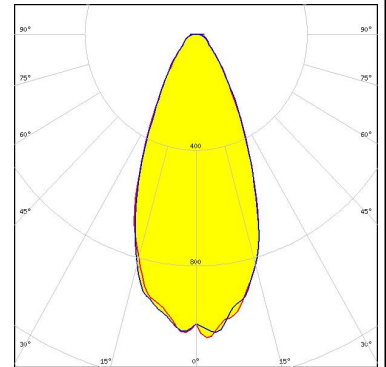
CREE LED

LED XHP35 HD
 FWHM / FWTM 38.0° / 89.0°
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

LED XHP35.2
 FWHM / FWTM 46.0° / 89.0°
 Efficiency 86 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



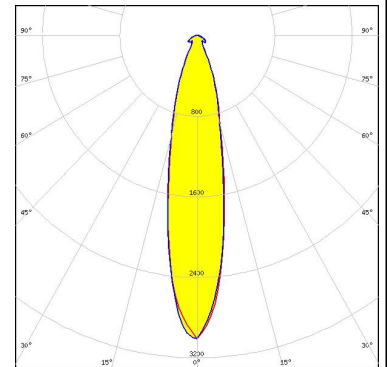
CREE LED

LED XM-L HVW
 FWHM / FWTM 50.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:

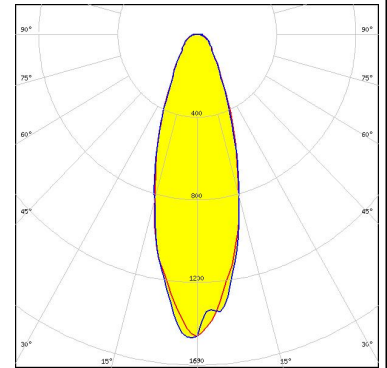
PHOTOMETRIC DATA (SIMULATED):



LED XP-E2
 FWHM / FWTM 22.0° / 50.0°
 Efficiency 96 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



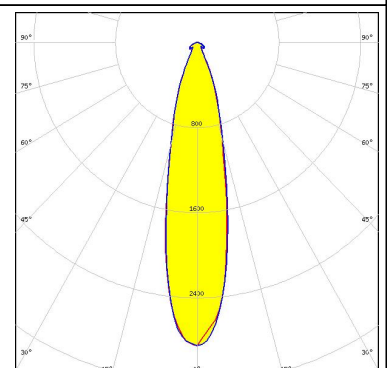
LED XP-G3
 FWHM / FWTM 33.0° / 77.0°
 Efficiency 90 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM / FWTM 40.0° / 70.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



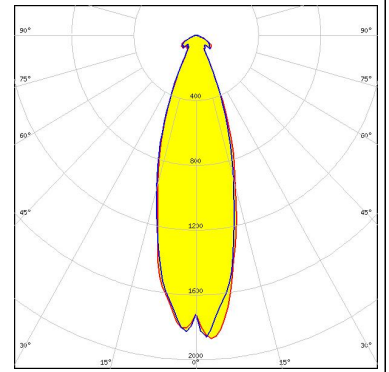
LED OSLOM Signal
 FWHM / FWTM 24.0° / 52.0°
 Efficiency 90 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



PHOTOMETRIC DATA (SIMULATED):

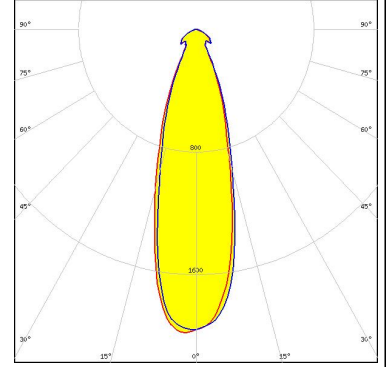
OSRAM Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 31.0° / 56.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour Far Red
Required components:



OSRAM Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 30.0° / 57.0°
Efficiency 94 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

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

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [LED Lighting Lenses Assemblies](#) category:

Click to view products by [Ledil](#) manufacturer:

Other Similar products are found below :

[FCN12592_LE1-D-COP](#) [CA16129_OLGA-W](#) [CA16370_HB-SQ-W](#) [FN15972_RONDA-ZT45-C](#) [CS15759_HB-2X2MX-8-W](#)
[CA16435_LXP2-SS-WAS](#) [CN16210_GABRIELLA-MIDI-W](#) [CP17137_CARMEN-M2-C](#) [CA16015_STRADA-SQ-SCL](#) [CP17594_TINA-SC-](#)
[RS](#) [CS15767_HB-2X2MX-8-M](#) [CP10960_RGBX-SS](#) [CP12395_LXP3-W](#) [CP12939_LARISA-RS-CLIP16](#) [C14636_XTM-PF-ADAPTER](#)
[CA11819_STRADA-SQ-T-DW](#) [CA14506_G2-LXP2-RS2](#) [CA14508_G2-LXP2-D](#) [CA14601_VERONICA-SQ-MINI-RS](#)
[FCP13895_SEANNA-A](#) [FP11124_LISA2-O-PIN](#) [CS14597_HB-IP-2X6-O](#) [CP14995_FLORENTINA-HLD-O](#) [CS15158_STRADA-IP-2X6-](#)
[T4-B](#) [CS16323_STRADELLA-IP-28-HB-M](#) [FN14976_STELLA-DWC2](#) [FN15264_STELLA-HB-WWW](#) [CA15584_ZORYA-MINI-TAPE](#)
[FA15229_ROSE-MRK-S](#) [FA15232_ROSE-MRK-M](#) [FA15233_ROSE-MRK-W](#) [FCN13552_CRYSTAL-RS](#) [FN15552_RONDA-W](#)
[FS15626_FLORENCE-3R-IP-Z90](#) [FS15786_FLORENCE-3R-IP-Z60](#) [FS15847_FLORENCE-3R-IP-O](#) [CA14505_G2-LXP2-RS2-P](#)
[FCN12775_IRIS-O](#) [FCA15007_G2-ROSE-UV-SS](#) [CP15304_LARISA-RS-PIN](#) [FN15679_RONDA-S](#) [CA15519_VERONICA-SQ-MINI-D](#)
[FP14414_LISA2-O-PIN](#) [LL01CR-DF60L06-M2](#) [FN15993_RONDA-O](#) [FN15977_RONDA-WAS2](#) [CA14366_FLARE-MAXI-TAPE](#)
[CA14442_VERONICA-SQ-W](#) [CA14509_G2-LXP2-M-P](#) [CA15231_VERONICA-SQ-MINI-W](#)