EMILY-RS

~8° spot beam. 14.74 mm high lens.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

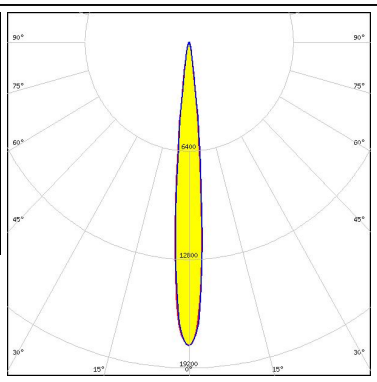| Component	Type	Material	Colour	Finish
EMILY-RS	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:
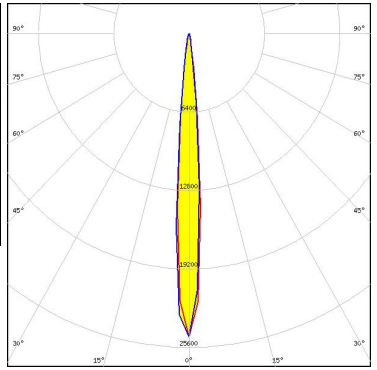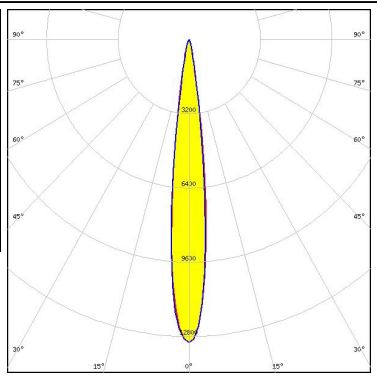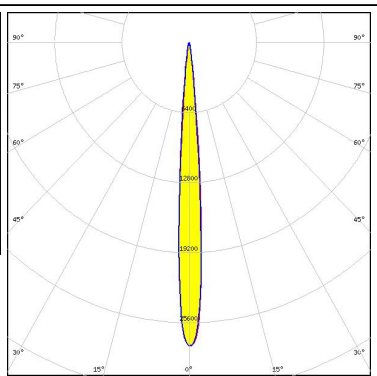
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13546_EMILY-RS	Single lens	1690	260	130	10.3
» Box size: 480 x 280 x 300 mm					

LEDiL®

DATE
20.05.2019

Bottom view

16.87

8.6

4.3

Beam direction Emily-O-90
Beam direction Emily-O

∅1.75

∅2

Front view

15

-0.15mm without tape

0.7

+0.15mm without tape

Tape 0.4mm

∅26

Top view

Part no.s:
CA11387_Emily-SS
CA11388_Emily-M
CA11389_Emily-O
CA11390_Emily-O-90
CA11391_Emily-M2
CA11934_Emily-W
CA11998_Emily-SS-WAS
CA12000_Emily-O-WAS
CA12062_Emily-D
CA12064_Emily-M

CA12068_Emily-O-90
CA12070_Emily-M2
CA12589_Emily-WWW
CA13498_Emily-WWW
CA13546_Emily-RS
CA15359_Emily-WW

Ledil Oy
Joensuunkatu 13
FIN 24240 SALO
Finland

PART	TYPE	MATERIAL	COLOR / COATING
Emily-SERIES_mechanical model_			

MECHANICAL DRAWING

PRODUCT
EMILY

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE	1:1	WEIGHT	-	A4	SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-H
FWHM / FWTM	9.0° / 17.0°
Efficiency	88 %
Peak intensity	24.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-G3
FWHM / FWTM	10.0° / 18.0°
Efficiency	94 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-L HD
FWHM / FWTM	13.0° / 23.0°
Efficiency	89 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-L HI
FWHM / FWTM	8.0° / 15.0°
Efficiency	88 %
Peak intensity	28 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-L2
FWHM / FWTM	13.0° / 25.0°
Efficiency	93 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
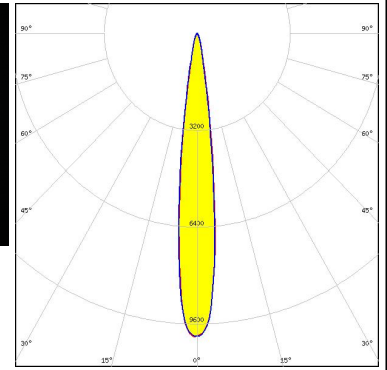
CREE LED

LED	XQ-E HI
FWHM / FWTM	4.0° / 9.0°
Efficiency	94 %
Peak intensity	71.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
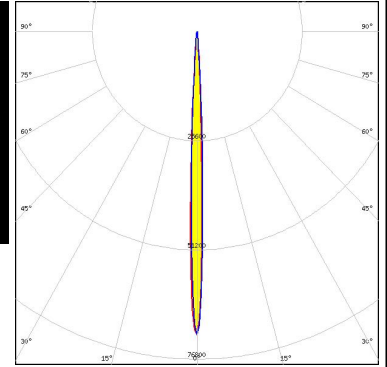
CREE LED

LED	XT-E
FWHM / FWTM	8.0° / 16.0°
Efficiency	91 %
Peak intensity	23.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
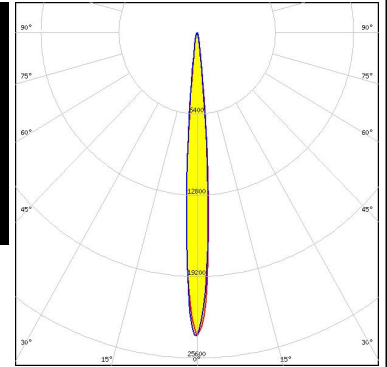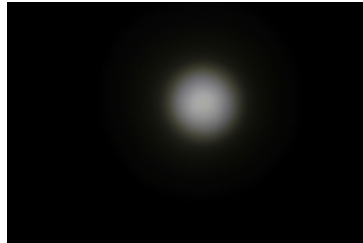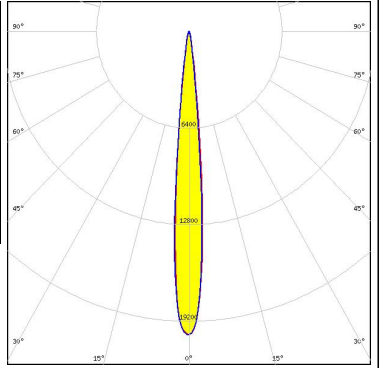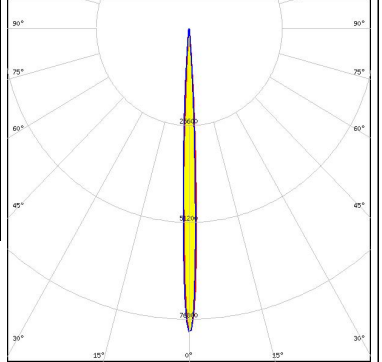
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	5.0° / 11.0°
Efficiency	91 %
Peak intensity	52 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NVSW219D
FWHM / FWTM	10.0° / 18.0°
Efficiency	94 %
Peak intensity	20.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	8.0° / 15.0°
Efficiency	90 %
Peak intensity	29.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	PLPVEC2 850A
FWHM / FWTM	4.0° / 11.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

SEOUL SEMICONDUCTOR

LED	nPola
FWHM / FWTM	5.0°
Efficiency	94 %
Peak intensity	81.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (MEASURED):

LED	Z5M1/Z5M2
FWHM / FWTM	9.0° / 15.0°
Efficiency	91 %
Peak intensity	23.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
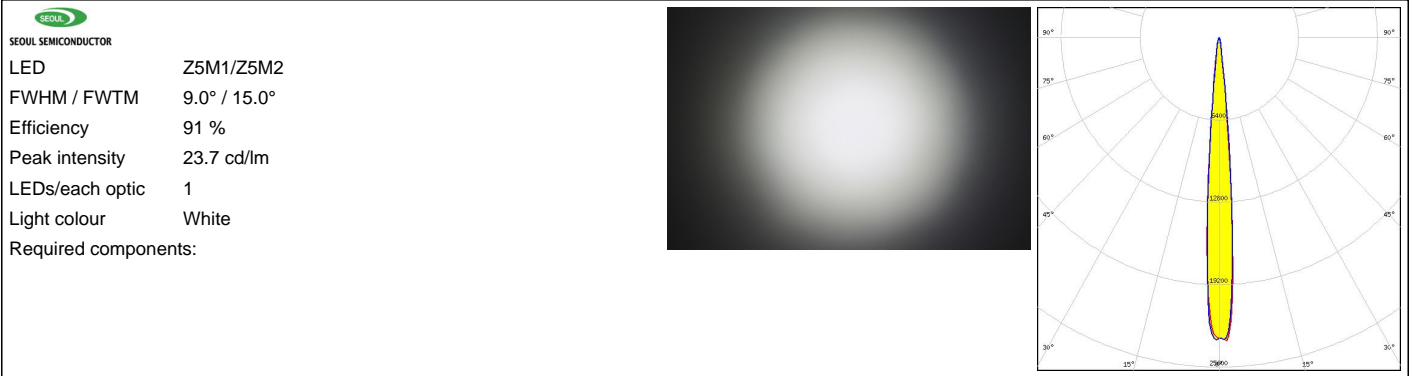
PHOTOMETRIC DATA (SIMULATED):

CREE LED	
LED	XHP35 HI
FWHM / FWTM	10.0° / 18.0°
Efficiency	96 %
Peak intensity	22 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
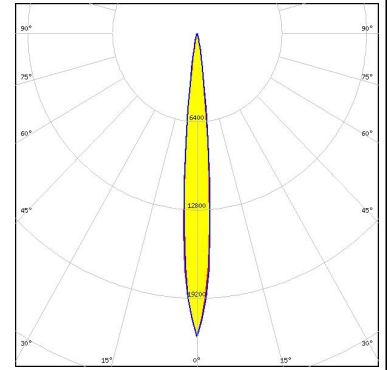
CREE LED	
LED	XP-E2
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	51.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
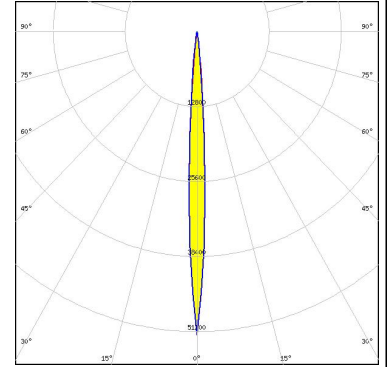
CREE LED	
LED	XP-G2
FWHM / FWTM	8.0° / 16.0°
Efficiency	94 %
Peak intensity	30.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
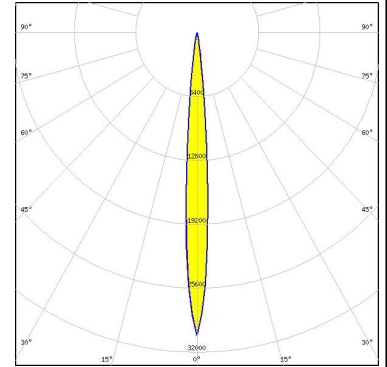
CREE LED	
LED	XP-G2 HE
FWHM / FWTM	10.0° / 20.0°
Efficiency	95 %
Peak intensity	19.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
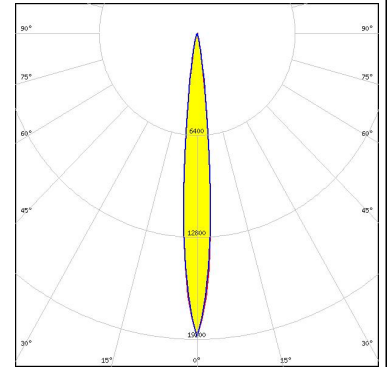
PHOTOMETRIC DATA (SIMULATED):

CREE⇆LED

LED	XP-P
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	63.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON C
FWHM / FWTM	7.0° / 16.0°
Efficiency	94 %
Peak intensity	37.3 cd/lm
LEDs/each optic	1
Light colour	Royal Blue
Required components:	

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	14.0° / 26.0°
Efficiency	95 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	41.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON Rebel Plus
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	42.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Rubix (white)
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	62.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Z
FWHM / FWTM	5.9° / 12.0°
Efficiency	94 %
Peak intensity	65.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxE17A
FWHM / FWTM	6.0° / 16.0°
Efficiency	93 %
Peak intensity	35.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NCSxE17A
FWHM / FWTM	8.0° / 16.0°
Efficiency	92 %
Peak intensity	32.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxE17A
FWHM / FWTM	18.0° / 35.0°
Efficiency	91 %
Peak intensity	5.8 cd/lm
LEDs/each optic	3
Light colour	White
Required components:	

NICHIA

LED	NVSW3x9A
FWHM / FWTM	12.0° / 22.0°
Efficiency	95 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NVSxE21A
FWHM / FWTM	8.0° / 18.0°
Efficiency	94 %
Peak intensity	27.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NVSxE21A
FWHM / FWTM	8.0° / 18.0°
Efficiency	93 %
Peak intensity	26.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	9.0° / 18.0°
Efficiency	89 %
Peak intensity	23.2 cd/lm
LEDs/each optic	1
Light colour	Purple
Required components:	

OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	8.0° / 18.0°
Efficiency	96 %
Peak intensity	25.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

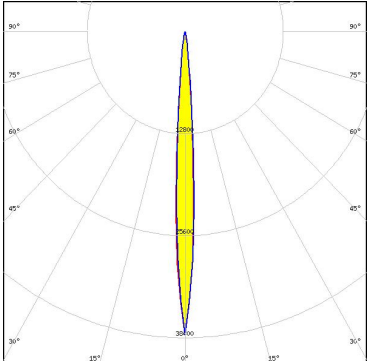|	
LED	OSCONIQ C 2424
FWHM / FWTM	8.0° / 16.0°
Efficiency	96 %
Peak intensity	36.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
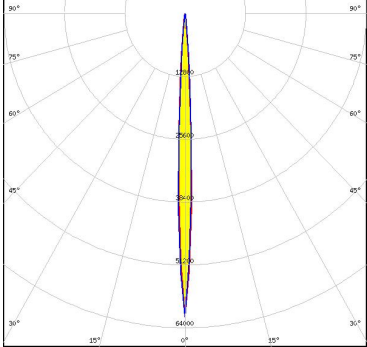
PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	20.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Black
FWHM / FWTM	11.0° / 20.0°
Efficiency	94 %
Peak intensity	19.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Black Flat
FWHM / FWTM	6.3° / 14.0°
Efficiency	94 %
Peak intensity	50.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

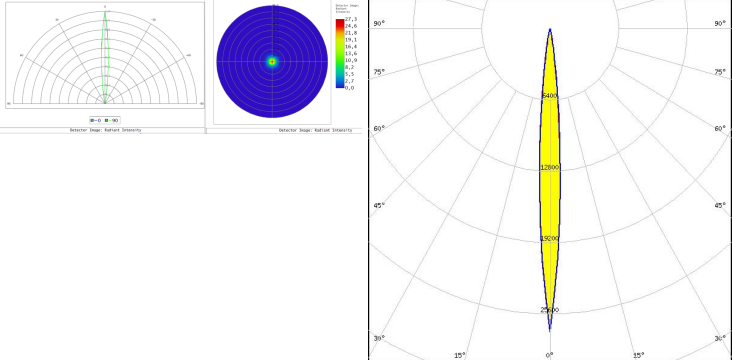|	
LED	OSLON PURE 1010 (GW VJLPE1)
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
Peak intensity	29.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	11.0° / 21.0°
Efficiency	94 %
Peak intensity	19.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON SSL 120
FWHM / FWTM	7.0° / 14.0°
Efficiency	96 %
Peak intensity	45.5 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	7.0° / 14.0°
Efficiency	96 %
Peak intensity	44.5 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	6.0° / 14.0°
Efficiency	96 %
Peak intensity	47.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	7.0° / 14.0°
Efficiency	94 %
Peak intensity	38 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	6.0° / 11.0°
Efficiency	87 %
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM Opto Semiconductors

LED	SFH 4716AS
FWHM / FWTM	8.0° / 14.0°
Efficiency	96 %
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM Opto Semiconductors

LED	SFH 4725AS
FWHM / FWTM	8.0° / 18.0°
Efficiency	95 %
LEDs/each optic	1
Light colour	IR
Required components:	

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LM301B
FWHM / FWTM	9.0° / 18.0°
Efficiency	94 %
Peak intensity	28.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
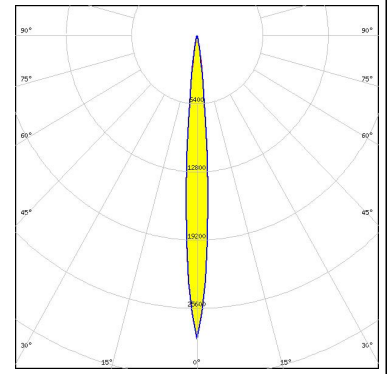
GENERAL INFORMATION:

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.

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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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FA15229_ROSE-MRK-S FA15232_ROSE-MRK-M FA15233_ROSE-MRK-W FCN13552_CRYSTAL-RS FN15552_RONDA-W
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FCN12775_IRIS-O 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 FP11002_LISA2-W-PIN