

IRIS

~5° real spot beam optimized for CREE XM-L.
Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 38.0 mm
Height	27.7 mm
Fastening	tape, pin, screw
ROHS compliant	yes ⓘ

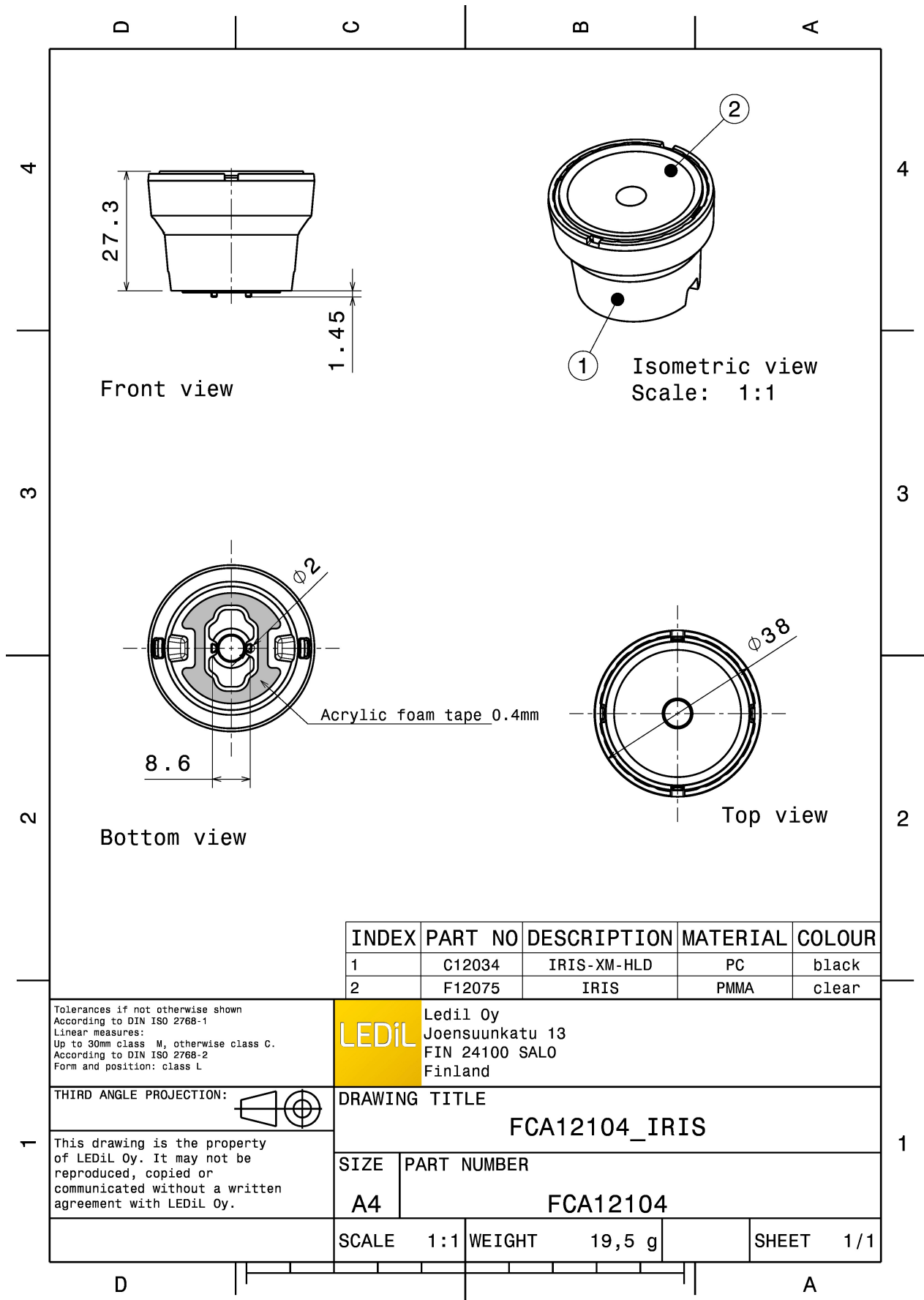
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
IRIS	Single lens	PMMA	clear	
IRIS-XM-HLD	Holder	PC	black	
SPUTNIK-TAPE	Tape	Acrylic foam	black	



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA12104_IRIS	Single lens	378	126	42	9.0
» Box size: 480 x 280 x 300 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C12034	IRIS-XM-HLD	PC	black
2	F12075	IRIS	PMMA	clear

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

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Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FCA12104_IRIS


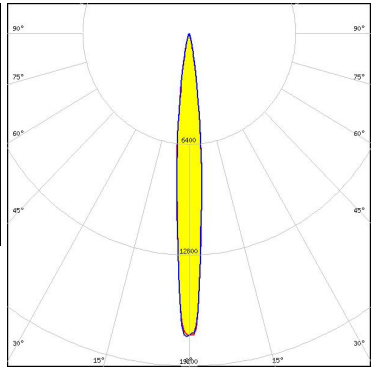

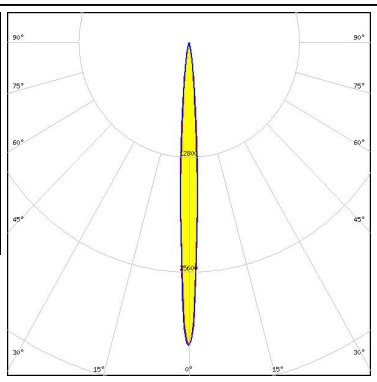

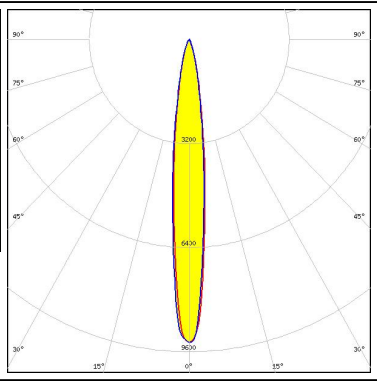

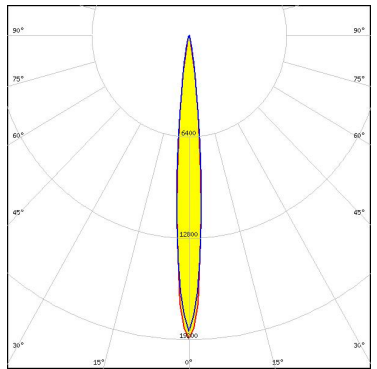
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SIZE	PART NUMBER
A4	FCA12104


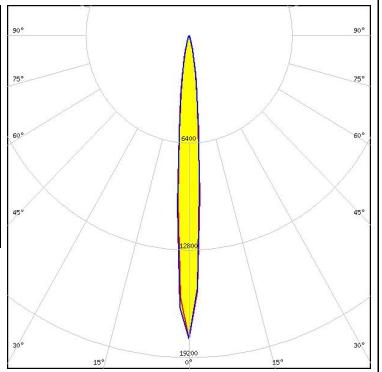

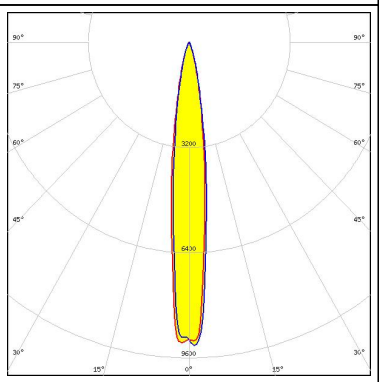

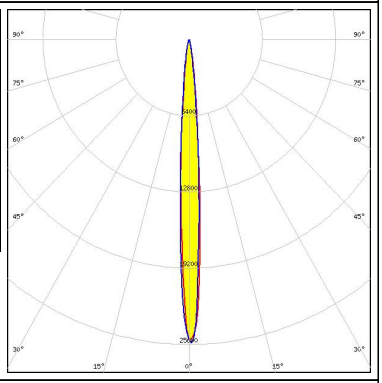

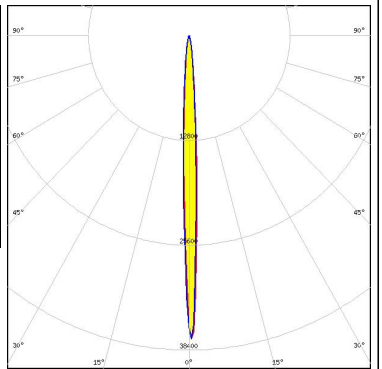
SCALE	1:1	WEIGHT	19,5 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 10.0° / 22.0° Efficiency 91 % Peak intensity 17.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP35 HI FWHM / FWTM 7.0° / 16.0° Efficiency 93 % Peak intensity 33.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP50.2 FWHM / FWTM 12.0° / 30.0° Efficiency 88 % Peak intensity 9.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XM-L FWHM / FWTM 9.0° / 19.0° Efficiency 91 % Peak intensity 19.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		


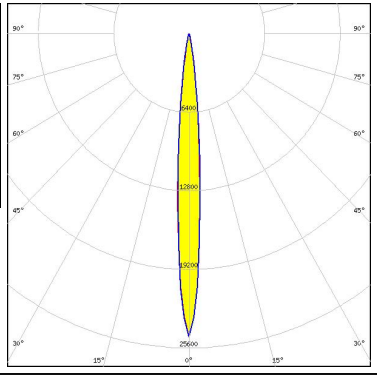
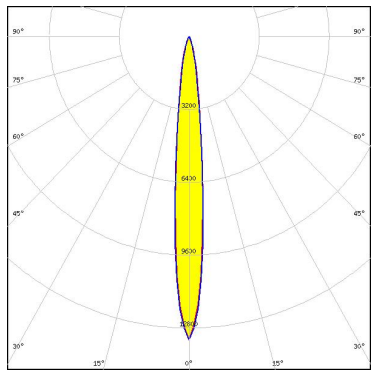
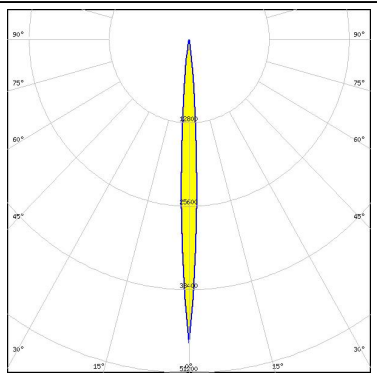
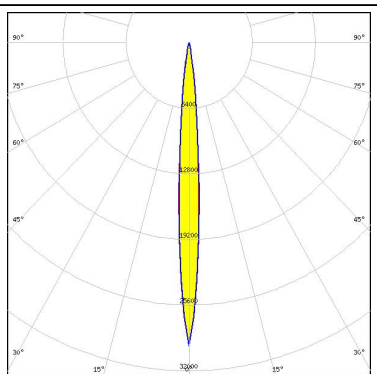
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XM-L2 FWHM / FWTM 10.0° / 23.0° Efficiency 86 % Peak intensity 18.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NV4x144A FWHM / FWTM 13.0° / 31.0° Efficiency 89 % Peak intensity 9.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM 7.0° / 17.0° Efficiency 85 % Peak intensity 25.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (2W version) FWHM / FWTM 5.0° / 14.0° Efficiency 91 % Peak intensity 38.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

<p>CREE → LED</p> <p>LED: XD16 FWHM / FWTM: 6.0° / 14.0° Efficiency: 91 % Peak intensity: 47.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP35.2 HD FWHM / FWTM: 8.0° / 20.0° Efficiency: 85 % Peak intensity: 21.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP50.3 HD FWHM / FWTM: 13.0° / 28.0° Efficiency: 89 % Peak intensity: 10.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XHP50.3 HI FWHM / FWTM: 10.0° / 22.0° Efficiency: 96 % Peak intensity: 17 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

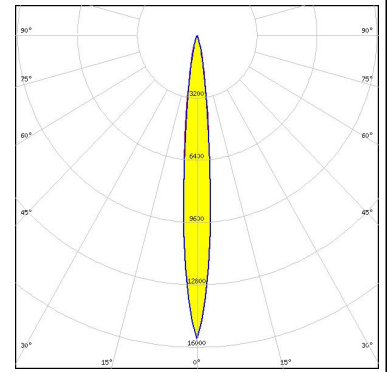
PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>LED: XP-L HD FWHM / FWTM: 8.8° / 19.0° Efficiency: 93 % Peak intensity: 24.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES FWHM / FWTM: 10.0° / 27.0° Efficiency: 92 % Peak intensity: 13.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>LUMINUS</p> <p>LED: SFT-40-WCS FWHM / FWTM: 6.0° / 14.0° Efficiency: 94 % Peak intensity: 46.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>LUMINUS</p> <p>LED: SFT-70X-WCS FWHM / FWTM: 8.0° / 18.0° Efficiency: 94 % Peak intensity: 29.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		

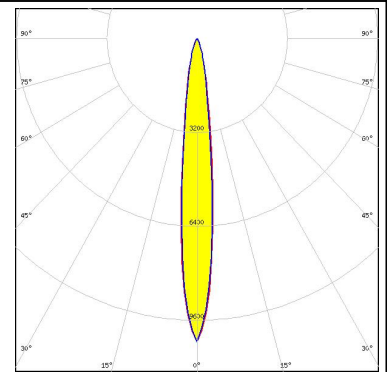
PHOTOMETRIC DATA (SIMULATED):



LED SST-70X-WCS
FWHM / FWTM 10.0° / 24.0°
Efficiency 92 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S8
FWHM / FWTM 12.0° / 30.0°
Efficiency 92 %
Peak intensity 10.3 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:

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