

# PRODUCT DATASHEET Leila series

### last update 21/6/2012



	Ordering number	CP11633_LXP3-M		
	Fomily	Leila	FWHM	(aimulated) O
	Family Type	Assembly	Efficiency	(simulated) 0 (simulated) 0 %
	LED	XT-E	cd/lm	
	Color	White	Gerber File	Available
	Diameter	21.6 mm	Gerber i lie	Available
	Height	14.6 mm		
	Style	Round	Suitable for Star	РСВ
	Optic Material	PMMA		
	Holder Material	PC		
	Fastening	Glue		
	Status	Ready		
	Ordering number	CP12817_LXP3-RS2		
	Family	Leila	FWHM	10 degrees
	Type	Assembly	Efficiency	93 %
	LED	XT-E	cd/lm	15.600
	Color	White	Gerber File	Available
A. ~ A ()	Diameter	21.6 mm	Gerber i lie	Available
the is the second	Height	14.6 mm		
63	Style	Round		
	Optic Material	PMMA		
	Holder Material	PC		
	Fastening	Glue		
	Status	Ready		
	Ordering number	CP11632_LXP3-D		
	Ordening number			
	-		FW/HM	11 degrees
	Family	Leila	FWHM Efficiency	11 degrees (simulated) 0 %
	Family Type	Leila Assembly	Efficiency	(simulated) 0 %
	Family Type LED	Leila Assembly XT-E	Efficiency cd/lm	(simulated) 0 % 8.950
	Family Type LED Color	Leila Assembly XT-E White	Efficiency	(simulated) 0 %
	Family Type LED Color Diameter	Leila Assembly XT-E White 21.6 mm	Efficiency cd/lm	(simulated) 0 % 8.950
	Family Type LED Color Diameter Height	Leila Assembly XT-E White 21.6 mm 14.6 mm	Efficiency cd/lm	(simulated) 0 % 8.950 Available
	Family Type LED Color Diameter Height Style	Leila Assembly XT-E White 21.6 mm	Efficiency cd/Im Gerber File	(simulated) 0 % 8.950 Available
	Family Type LED Color Diameter Height Style Optic Material	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA	Efficiency cd/Im Gerber File	(simulated) 0 % 8.950 Available
	Family Type LED Color Diameter Height Style Optic Material Holder Material	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC	Efficiency cd/Im Gerber File	(simulated) 0 % 8.950 Available
	Family Type LED Color Diameter Height Style Optic Material	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA	Efficiency cd/Im Gerber File	(simulated) 0 % 8.950 Available
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue	Efficiency cd/Im Gerber File	(simulated) 0 % 8.950 Available
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b>	Efficiency cd/Im Gerber File Suitable for Star	(simulated) 0 % 8.950 Available PCB
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila	Efficiency cd/Im Gerber File Suitable for Star	(simulated) 0 % 8.950 Available PCB 12+34 degrees
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 %
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 %
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter Height	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White 21.6 mm 14.6 mm	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter Height Style	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White 21.6 mm 14.6 mm Round	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter Height Style Optic Material	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Glue	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Ordering number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material	Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC Glue Ready <b>CP11634_LXP3-O-90</b> Leila Assembly XT-E White 21.6 mm 14.6 mm Round PMMA PC	Efficiency cd/Im Gerber File Suitable for Star FWHM Efficiency cd/Im	(simulated) 0 % 8.950 Available PCB 12+34 degrees (simulated) 0 % 3.860

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Ledil Oy Salorankatu 10 24240 SALO Finland





NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.

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Ledil Oy Salorankatu 10 24240 SALO Finland http://www.ledil.com email: ledil@ledil.com FAX: +358-2-733 8001



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#### **GENERAL INFORMATION**

- Product series especially designed & optimized for XT-E series of LEDs.

- Special care taken to make light distribution as uniform as possible.

- Lens material optical grade PMMA with high UV and temperature resistance (105 degrees of Celcius / 220 degrees of Fahrenheit). Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94\_Yellow%20Card.pdf http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf - Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

http://www.ledil.com/datasheets/DataSheet\_GLUES.pdf

NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit boar weaken the strength of the glue.

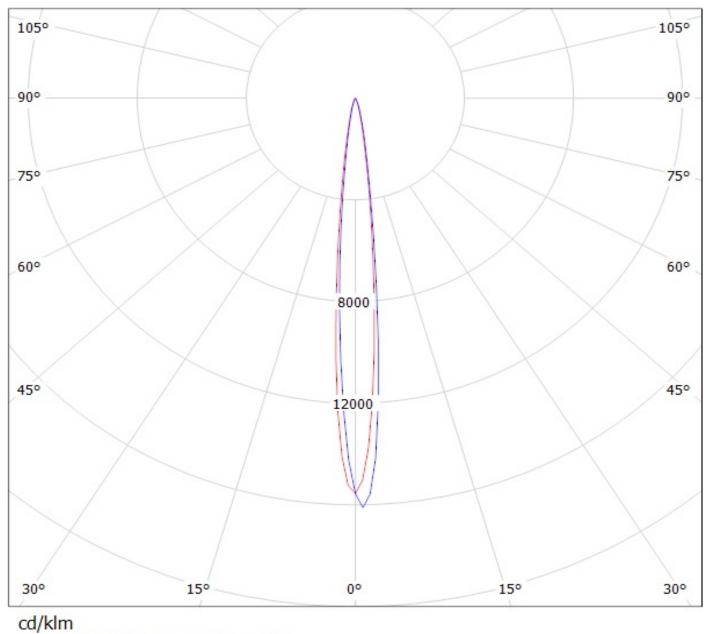
NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.

Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.



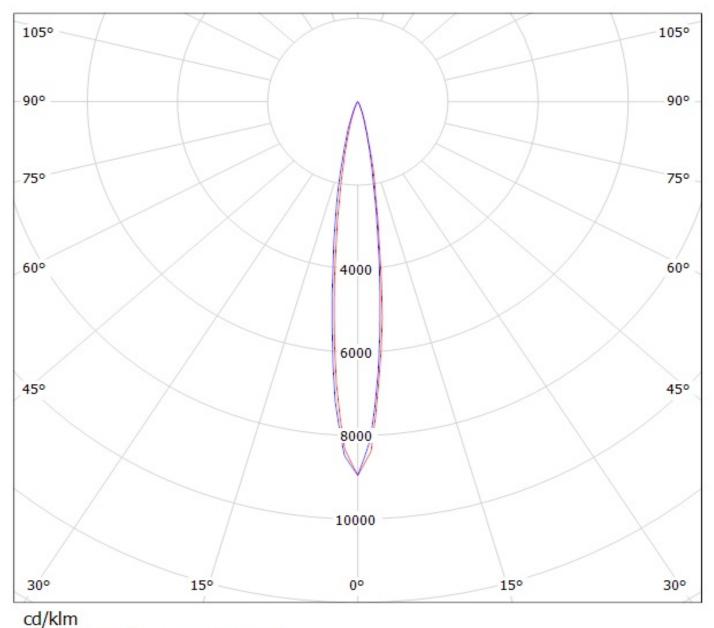
	Ω	C			Ю		۷		
4	Isometric vie Scale: 1:1	W	Solder po	cket	G	lue groo	<u>ve</u>		4
3			14.6						3
2	Materials: Holder: PC white Lens: PMMA		¢21.	6					2
1	This drawing is our It can't be reprodu or communicated wit our written agreeme DRAWN BY m CHECKED BY s n DESIGNED BY HH D	ced hout nt.	4	VG NUMBER		e ¦ ET LX		REV 2 1/1	d 1

### Luminaire: Ledil Oy CP12817\_LXP3-RS2\_(XT-E) Efficiency=92% Lamps: 1 x Cree XT-E (AWT) 250mA 113Im



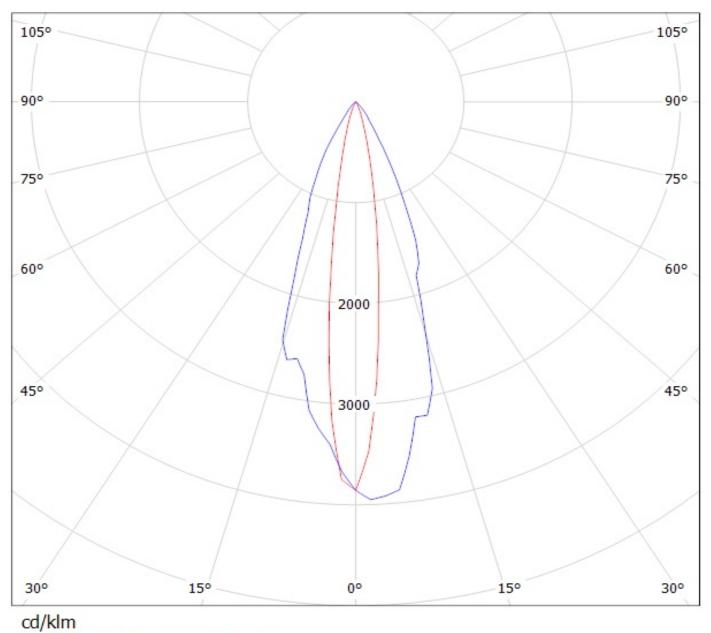
\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270

## Luminaire: Ledil Oy CP11632\_LXP3-D-WHT (Cree XT-E (AWT) 113Im @ 250mA) Lamps: 1 x Cree XT-E 113Im @ 250mA



\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270

Luminaire: Ledil Oy CP11634-LXP3-O-90-WHT (Cree XT-E (AWT)) LOR=84% Lamps: 1 x Cree XT-E (AWT)



\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270