

# PRODUCT DATASHEET Barbara series last update 10/3/2015

Product number F13700\_BARBARA-S-PF FWHM Family Barbara (simulated) 12 Туре Reflector Efficiency LED CXA/B 15xx cd/lm (simulated) 0.000 Color Metal Gerber File Available Diameter 70 mm Height 41.7 mm Style Round PC **Optic Material** Holder Material Pin Fastening On production Status F13701\_BARBARA-W-PF Product number FWHM Family Barbara (simulated) 28 Type Reflector Efficiency LED CXA/B 15xx cd/lm (simulated) 0.000 Color Metal Gerber File Available Diameter 70 mm Height 41.7 mm Style Round PC **Optic Material** Holder Material Fastening Socket Status On production FCN14709\_BARBARA-S-PF-RZ Product number FWHM Barbara 13 degrees Family Reflector Efficiency 85 % Туре 7.400 LED CXA/B 15xx cd/lm Available Color Metal Gerber File Diameter 70 mm With additional RZ lens. 41.7 mm Height Round Style **Optic Material** PC Holder Material Fastening Status On production Product number FCN14283\_BARBARA-S-PF Family Barbara FWHM 14 degrees RefPack Efficiency 91 % Туре LED CXA/B 15xx cd/lm 8.600 Color Metal Gerber File Available Diameter 70 mm Height 45.2 mm Style Round **Optic Material** PC Holder Material PC Fastening Screw Status On production

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# PRODUCT DATASHEET Barbara series

last update 10/3/2015

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Product number	FCN13925_BARBARA-S-PF-\	/ERO13/18	
Family Fype LED Color Diameter Height Style	Barbara RefPack CXA/B 15xx Metal 70 mm 41.7 mm Round	FWHM Efficiency cd/Im Gerber File	15 degrees 89 % 6.900 Available
Dptic Material Holder Material Fastening Status Product number	PC - - On production FCN13927_BARBARA-W-PF-	VFR013/18	
		VERO 13/10	
Family Type LED Color Diameter Height Style Dptic Material Holder Material Fastening Status Product number	Barbara RefPack CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production	FWHM Efficiency cd/lm Gerber File	30 degrees 88 % 2.500 Available
	_		
Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Barbara RefPack CXA/B 15xx Clear 70 mm 45.2 mm Round PC PC - On production	FWHM Efficiency cd/Im Gerber File	30 degrees 91 % 2.640 Available
Product number	FCN14710_BARBARA-W-PF-	RZ	
Family Гуре LED Color Diameter Height	Barbara Reflector CXA/B 15xx Metal 70 mm 41.7 mm	FWHM Efficiency cd/Im Gerber File With additional RZ	30 degrees 85 % 2.200 Available lens.
Style Dptic Material Holder Material Fastening Status	Round PC - - On production		

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# PRODUCT DATASHEET Barbara series

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	Product number	FCN14285_BARBARA-WW-F	۶F	
	Family	Barbara	FWHM	40 degrees
	Туре	RefPack	Efficiency	89 %
	LED	CXA/B 15xx	cd/lm	1.800
	Color	Clear	Gerber File	Available
	Diameter	70 mm		
	Height	35 mm		
	Style	Round		
	Optic Material	PC		
	Holder Material	PC		
	Fastening	Screw		
	Status	On production		
	Product number	FCN13929_BARBARA-WW-F	PF-VERO13/18	
	Family	Barbara	FWHM	41 degrees
	Туре	RefPack	Efficiency	87 %
	LED	CXA/B 15xx	cd/lm	1.700
	Color	Metal	Gerber File	Available
	Diameter	70 mm		
	Height	41.7 mm		
	Style	Round		
	Optic Material	PC		
Miles Contraction of the second	Holder Material	-		
	Fastening	-		
	Status	On production		
	Product number	FCN14711_BARBARA-WW-F	PF-RZ	
	Family	Barbara	FWHM	51 degrees
	Family Type	Barbara Reflector	FWHM Efficiency	51 degrees 85 %
				-
	Type LED Color	Reflector	Efficiency	85 %
	Type LED Color Diameter	Reflector CXA/B 15xx Metal 70 mm	Efficiency cd/lm Gerber File	85 % 1.200 Available
	Type LED Color Diameter Height	Reflector CXA/B 15xx Metal 70 mm 41.7 mm	Efficiency cd/lm	85 % 1.200 Available
	Type LED Color Diameter Height Style	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round	Efficiency cd/lm Gerber File	85 % 1.200 Available
	Type LED Color Diameter Height Style Optic Material	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC	Efficiency cd/lm Gerber File	85 % 1.200 Available
	Type LED Color Diameter Height Style Optic Material Holder Material	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round	Efficiency cd/lm Gerber File	85 % 1.200 Available
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC -	Efficiency cd/lm Gerber File	85 % 1.200 Available
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production	Efficiency cd/lm Gerber File With additional RZ	85 % 1.200 Available
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b>	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P	Efficiency cd/Im Gerber File With additional RZ	85 % 1.200 Available Sublens
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara	Efficiency cd/Im Gerber File With additional RZ	85 % 1.200 Available sublens 70 degrees
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara RefPack	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency	85 % 1.200 Available sublens 70 degrees 92 %
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency	85 % 1.200 Available sublens 70 degrees 92 %
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style Optic Material	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round HRPC	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round HRPC PC -	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round HRPC	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round HRPC PC -	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im	85 % 1.200 Available Sublens Sublens 70 degrees 92 % 0.760
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Reflector CXA/B 15xx Metal 70 mm 41.7 mm Round PC - - On production FCN14286_BARBARA-XW-P Barbara RefPack CXA/B 15xx White 70 mm 35 mm Round HRPC PC -	Efficiency cd/Im Gerber File With additional RZ F FWHM Efficiency cd/Im Gerber File	85 % 1.200 Available 2 sublens 70 degrees 92 % 0.760 Available

Ledil Oy Salorankatu 10 24240 SALO Finland



# **PRODUCT DATASHEET Barbara series**

last update 10/3/2015



Product number	FCN14311_BARBARA-XW-P	F-VERO13/18	
Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Barbara RefPack CXA/B 15xx Metal 70 mm 42.25 mm Round PC PC Screw On production	FWHM Efficiency cd/Im Gerber File	70 degrees 90 % 0.720 Available
Product number	FCN14712_BARBARA-XW-PI	F-RZ	
Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Barbara Reflector CXA/B 15xx White 70 mm 41.7 mm Round HRPC - - -	FWHM Efficiency cd/Im Gerber File With additional RZ	73 degrees 85 % 0.600 Available lens.

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.



## **GENERAL INFORMATION**

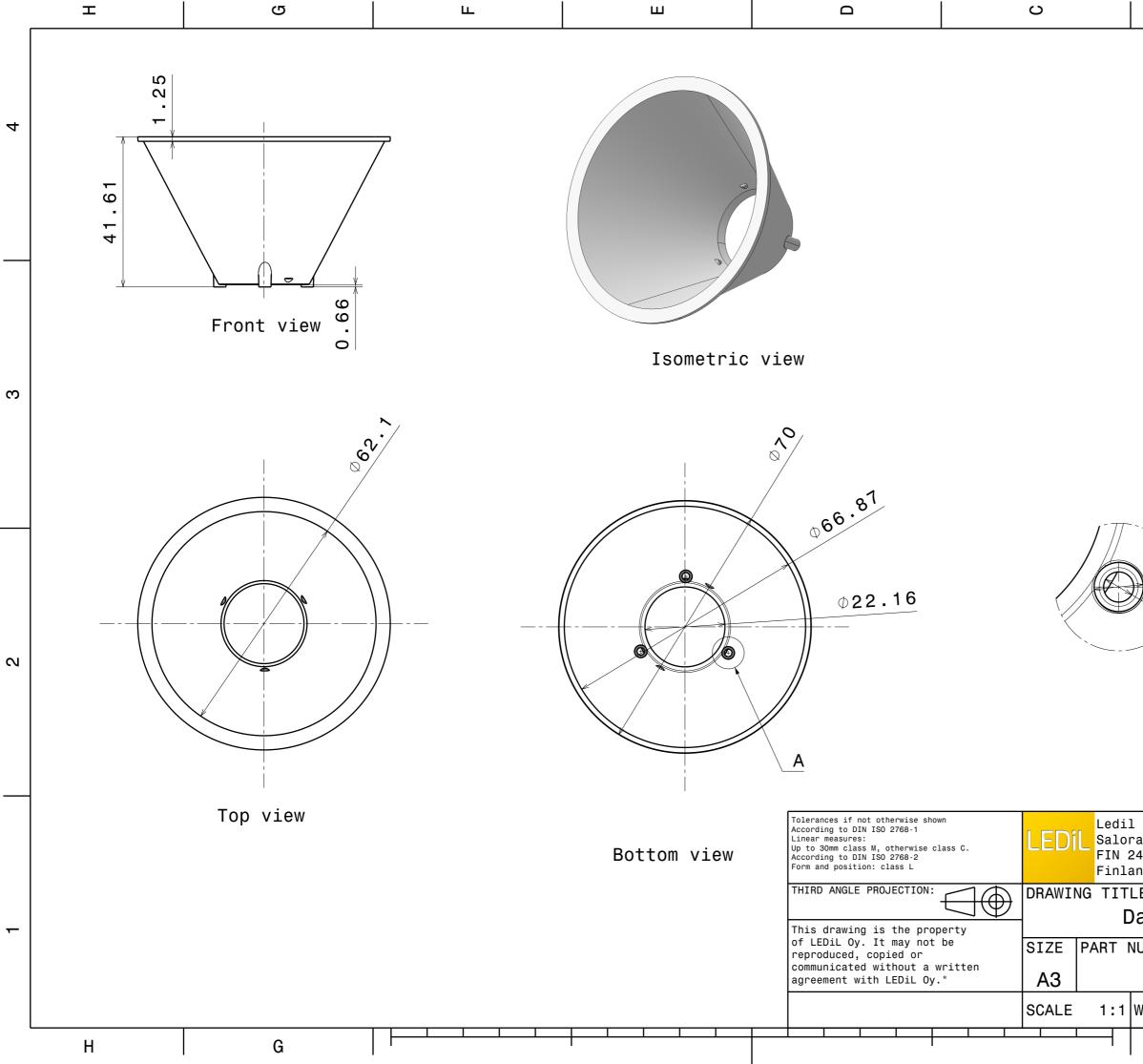
- Product series especially designed & optimized for CXA/B 15xx series of LEDs.

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

- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (short term 100 degrees of Celcius / 212 degrees of Fahrenheit).

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

Note! Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.



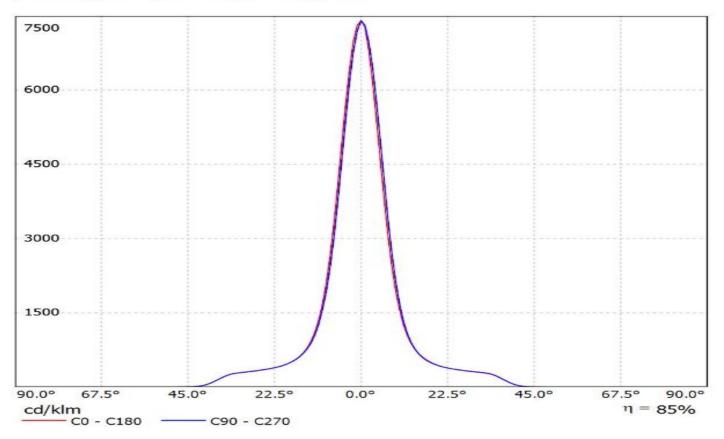
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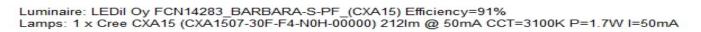
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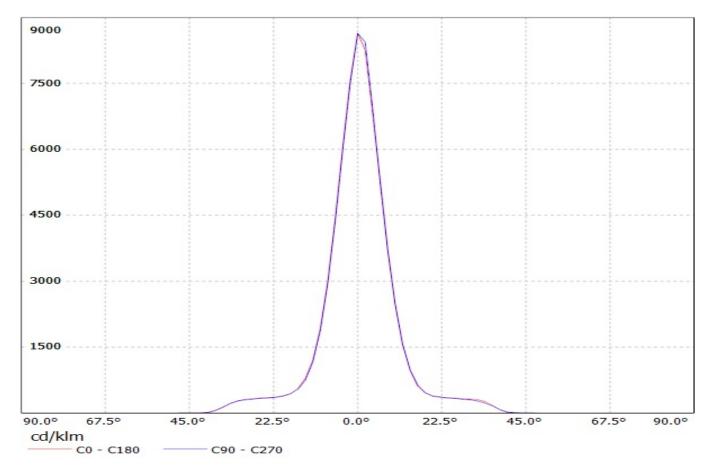
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#### Ledil FCN14709\_BARBARA-S-PF-RZ\_(CXA1520) / LDC (Linear)

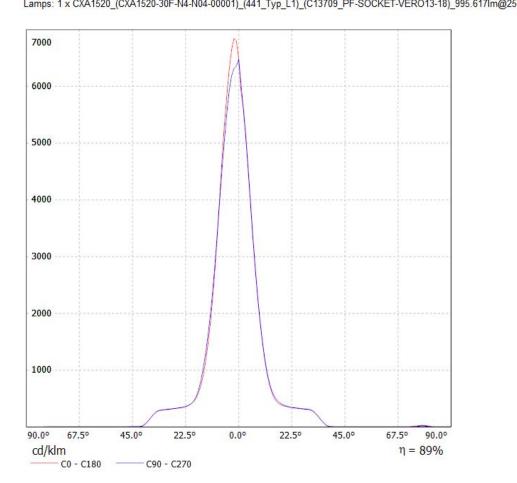


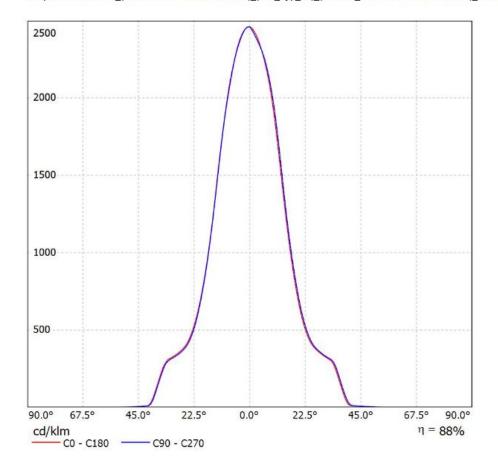






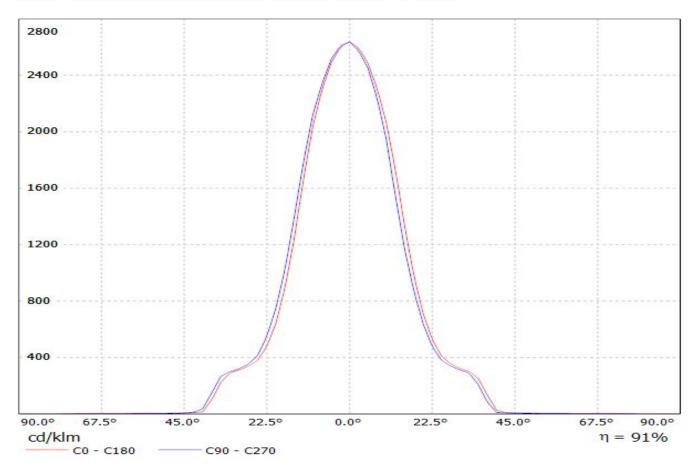
Luminaire: LEDiL Oy FCN13925\_BARBARA-S-PF-VERO13/18\_(CXA1520)\_(441\_Typ\_L1) CXA1520\_(CXA1520-30F-N4-N04-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_995.617lm@250mA\_P=8.72401W\_I=0.2499A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N04-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_995.617lm@250mA\_P=8.72401W\_I=0.2499A





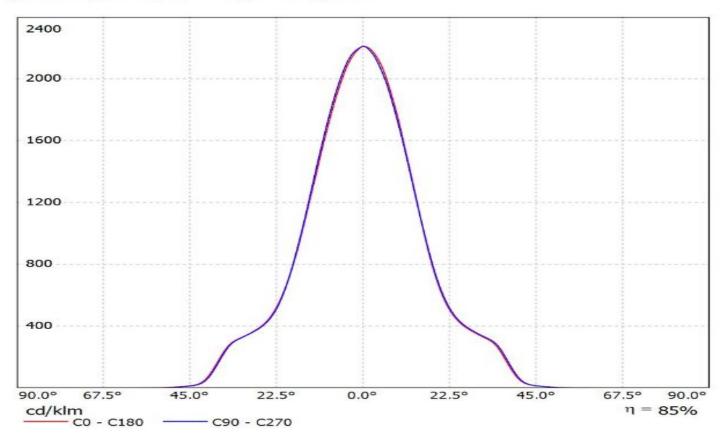
Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13-18\_(CXA1520) CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18) \_1036.14Im@250mA\_P=8.825W\_I=0.25A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14Im@250mA\_P=8.825W\_I=0.25A

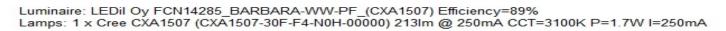
#### Luminaire: LEDiL Oy FCN14284\_BARBARA-W-PF\_(CXA15) Lamps: 1 x Cree\_CXA1507\_214.008Im@50mA\_P=1.64838\_I=49.4mA

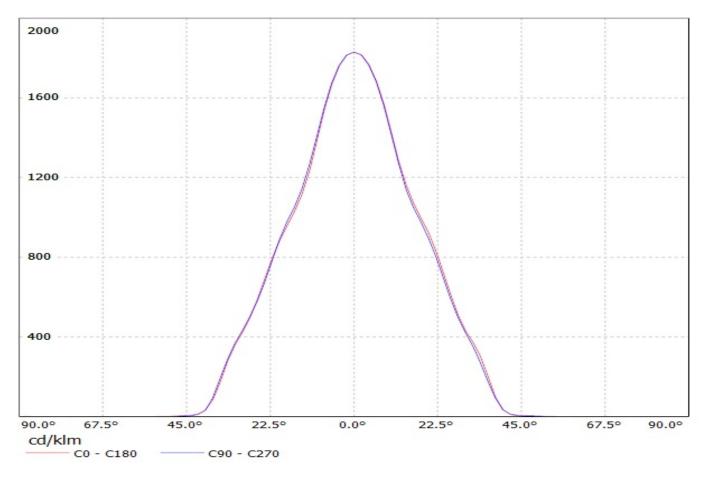


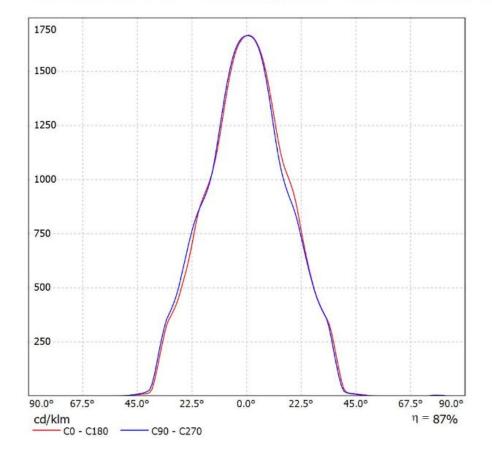
#### Ledil FCN14710\_BARBARA-W-PF-RZ\_(CXA1520) / LDC (Linear)

Luminaire: Ledil FCN14710\_BARBARA-W-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A





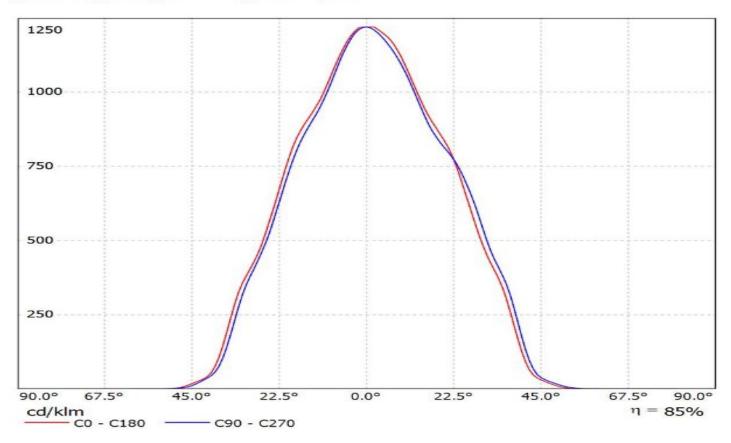


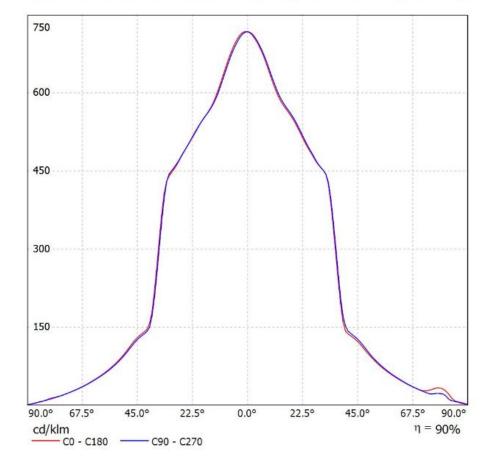


Luminaire: Ledil FCN13929\_BARBARA-WW-PF-VERO13-18\_(CXA1520) CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18) \_1036.14Im@250mA\_P=8.825W\_I=0.25A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14Im@250mA\_P=8.825W\_I=0.25A

#### Ledil FCN14711\_BARBARA-WW-PF-RZ\_(CXA1520) / LDC (Linear)

Luminaire: Ledil FCN14711\_BARBARA-WW-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A

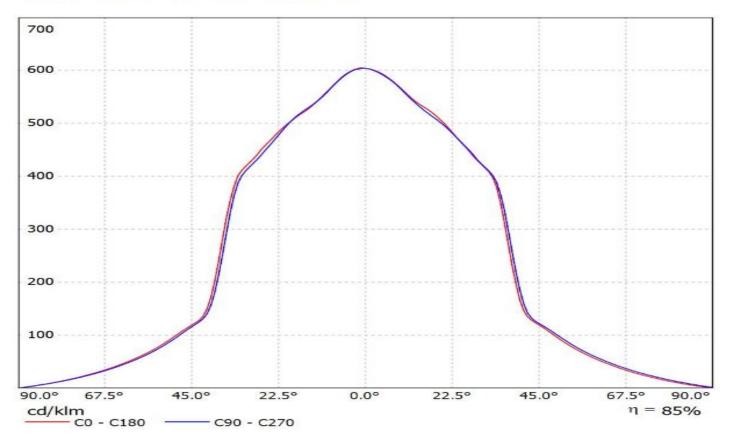




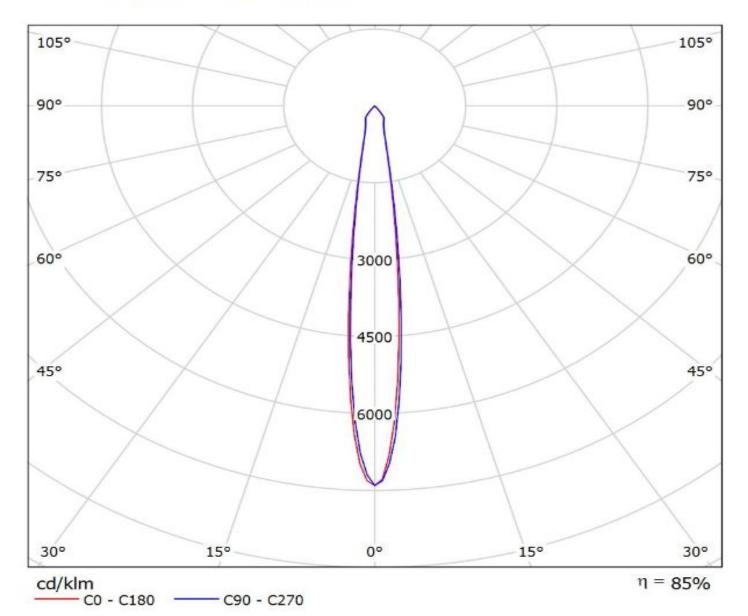
Luminaire: Ledil FCN14311\_BARBARA-XW-PF-VERO13-18\_(CXA1520) CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18) \_1036.14lm@250mA\_P=8.825W\_I=0.25A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14lm@250mA\_P=8.825W\_I=0.25A

## Ledil FCN14712\_BARBARA-XW-PF-RZ\_(CXA1520) / LDC (Linear)

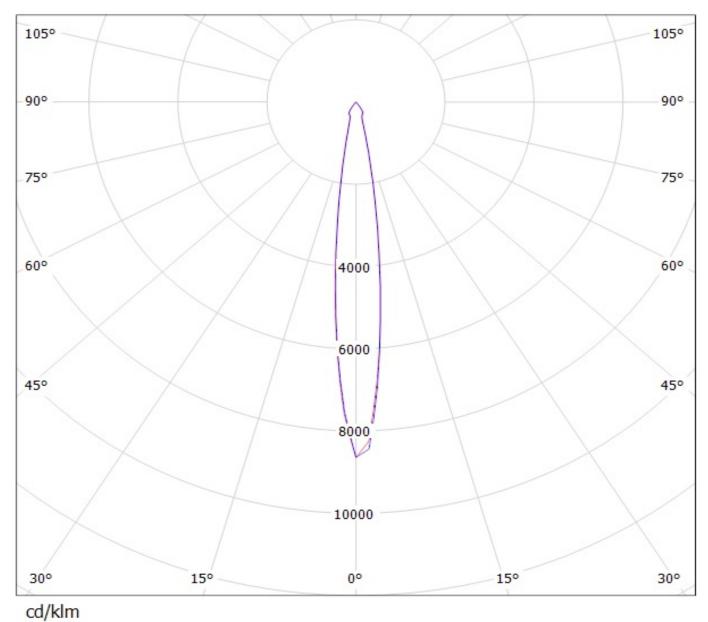
Luminaire: Ledil FCN14712\_BARBARA-XW-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A



#### Luminaire: Ledil FCN14709\_BARBARA-S-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A

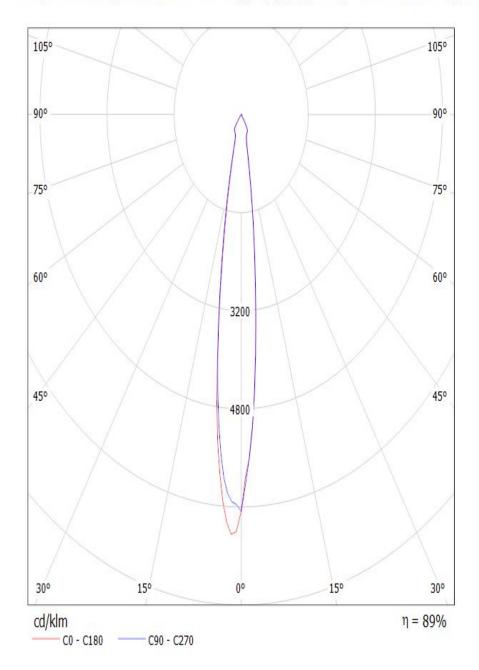


# Luminaire: LEDil Oy FCN14283\_BARBARA-S-PF\_(CXA15) Efficiency=91% Lamps: 1 x Cree CXA15 (CXA1507-30F-F4-N0H-00000) 212Im @ 50mA CCT=3100K P=1.7W I=50mA

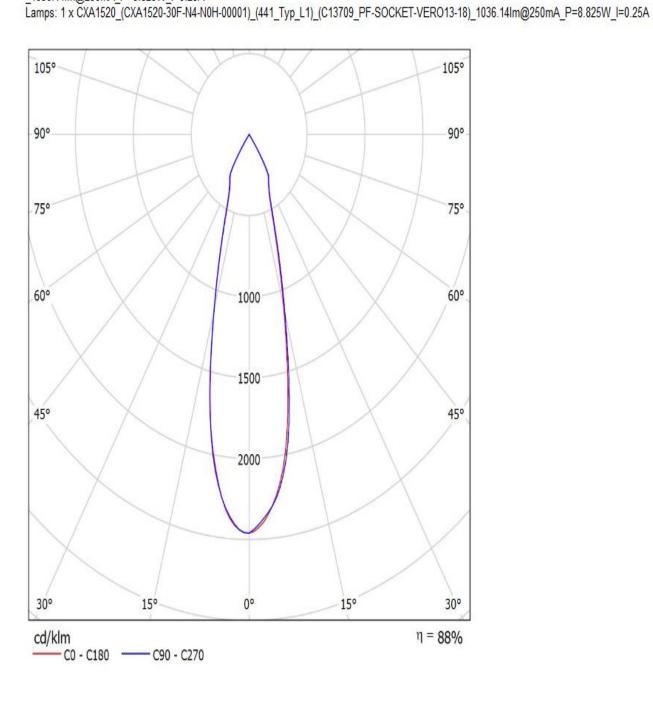


\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270

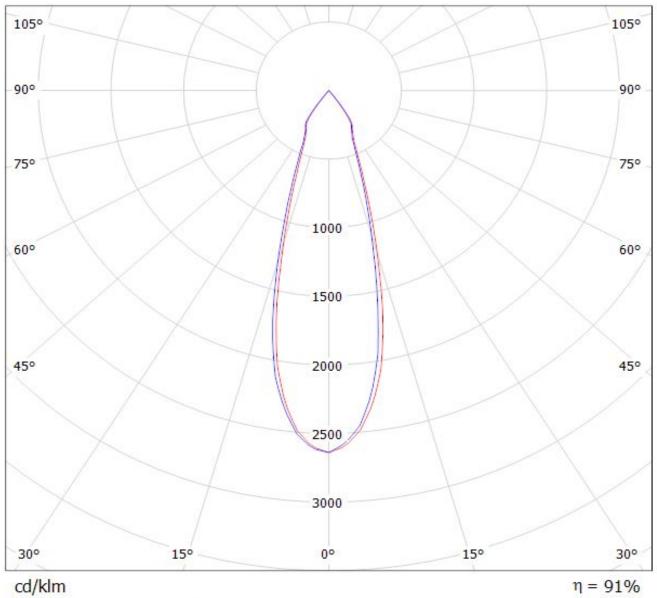
Luminaire: LEDiL Oy FCN13925\_BARBARA-S-PF-VERO13/18\_(CXA1520)\_(441\_Typ\_L1) CXA1520\_(CXA1520-30F-N4-N04-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_995.617Im@250mA\_P=8.72401W\_I=0.2499A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N04-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_995.617Im@250mA\_P=8.72401W\_I=0.2499A



Luminaire: Ledil FCN13927\_BARBARA-W-PF-VERO13-18\_(CXA1520) CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18) \_1036.14Im@250mA\_P=8.825W\_I=0.25A

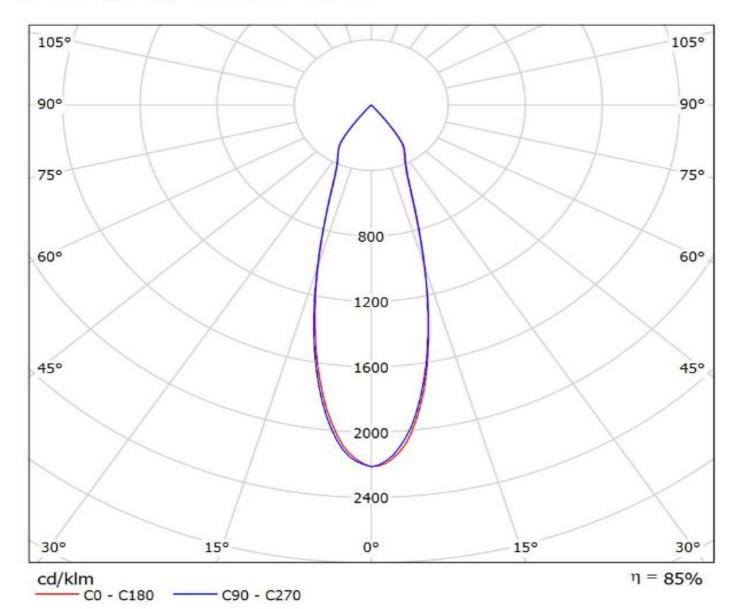


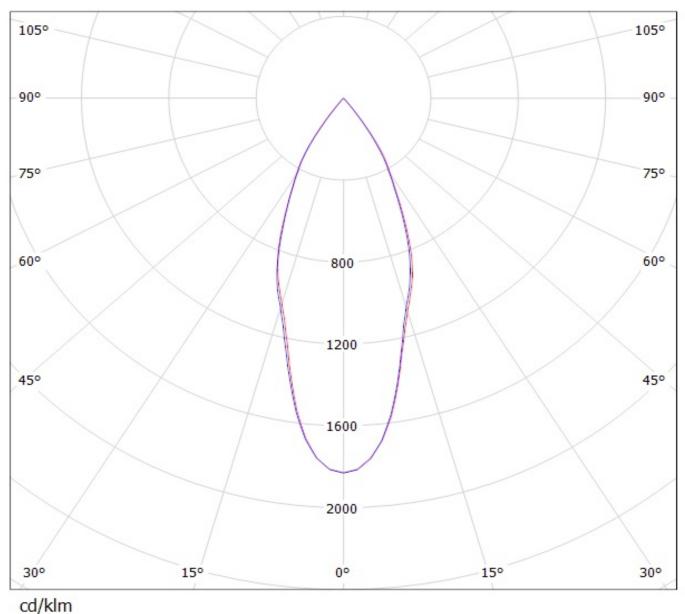
## Luminaire: LEDiL Oy FCN14284\_BARBARA-W-PF\_(CXA15) Lamps: 1 x Cree\_CXA1507\_214.008Im@50mA\_P=1.64838\_I=49.4mA



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

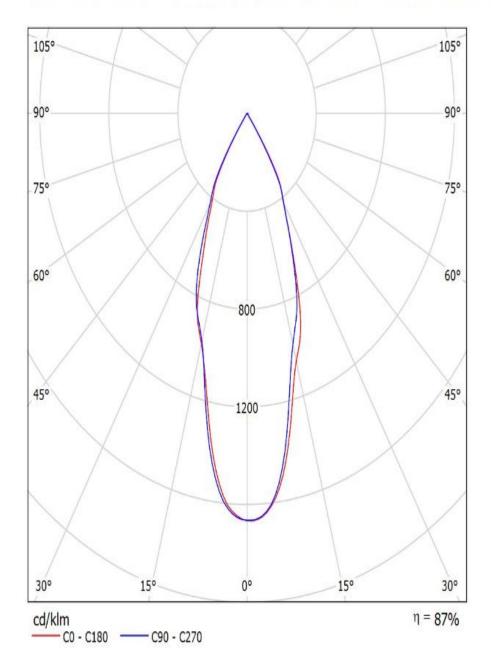
#### Luminaire: Ledil FCN14710\_BARBARA-W-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A



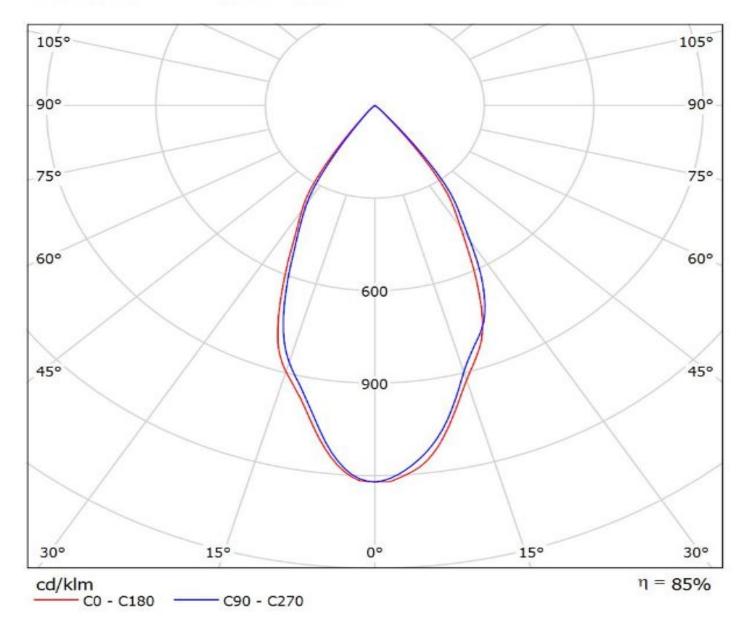


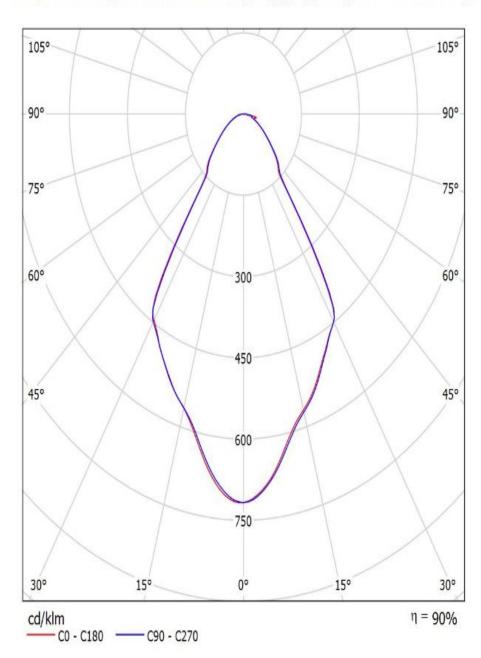
\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270

Luminaire: Ledil FCN13929\_BARBARA-WW-PF-VERO13-18\_(CXA1520) CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18) \_1036.14lm@250mA\_P=8.825W\_I=0.25A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14lm@250mA\_P=8.825W\_I=0.25A



### Luminaire: Ledil FCN14711\_BARBARA-WW-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A





\_1036.14Im@250mA\_P=8.825W\_I=0.25A Lamps: 1 x CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)\_1036.14Im@250mA\_P=8.825W\_I=0.25A

Luminaire: Ledil FCN14311\_BARBARA-XW-PF-VERO13-18\_(CXA1520) CXA1520\_(CXA1520-30F-N4-N0H-00001)\_(441\_Typ\_L1)\_(C13709\_PF-SOCKET-VERO13-18)

#### Luminaire: Ledil FCN14712\_BARBARA-XW-PF-RZ\_(CXA1520) Lamps: 1 x CREE\_CXA1520\_(CXA1520-30F-N4-N0H-00001) \_821.161Im@250mA\_CCT=3070K\_P=7.88W\_I=0.25A

