

last update 20/12/2016

	Product number	FCN15302_RONDA-WW		
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Ronda Assembly CXA/B 15xx White 69.9 mm 19.8 mm Round - - ["socket", "screw"] Production ready	FWHM Efficiency cd/lm Gerber File	(simulated) 62 (simulated) 89 % - Available
	Product number	FCN15303_RONDA-WWW		
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b>	Ronda Assembly CXA/B 15xx White 69.9 mm 19.8 mm Round - - ["screw", "socket"] Production ready FCN15314_RONDA-WAS	FWHM Efficiency cd/lm Gerber File	(simulated) 90 (simulated) 87 % - Available
	Family	Ronda	FWHM	(simulated) Asymmetric
	Type LED Color Diameter Height Style Optic Material	Assembly CXA/B 15xx White 69.9 mm 25.42 mm Round	Efficiency cd/lm Gerber File	(simulated) 86 % - Available ially for wall washing applications at
	Holder Material Fastening Status Product number	- ["socket"] Production ready FCN15315_RONDA-WW		
and the	Family Type LED	Ronda Assembly CXA/B 15xx	FWHM Efficiency cd/lm	(simulated) 62 (simulated) 89 % -
	Color Diameter Height Style Optic Material Holder Material Fastening Status	White 69.9 mm 19.8 mm Round - - ["socket"] Production ready	Gerber File	Available

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	Product number	FCN15316_RONDA-WWW		
	Family	Ronda	FWHM	(simulated) 90
	Туре	Assembly	Efficiency	(simulated) 87 %
A Sector III	LED	CXA/B 15xx	cd/lm	
	Color	White	Gerber File	Available
	Diameter	69.9 mm	October 1 lie	Available
A Company of a local state	Height	19.8 mm		
2	Style	Round		
	Optic Material	-		
	Holder Material	-		
	Fastening	["socket"]		
	Status	Production ready		
	Product number	FCN15357_RONDA-ZT45		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	(simulated) 87 %
A Contraction of the second	LED	CXA/B 15xx	cd/lm	-
i	Color	White	Gerber File	Available
•	Diameter	69.9 mm	<b>D</b> 11	
*	Height	20.66 mm		ic beam. Developed especially for
	Style	Round	-	ridor and supermarket applications
	Optic Material	-		le assemblies (aisle width = wall
	Holder Material	-	height).	
	Fastening	["socket"]		
No. of the second secon	Status	Production ready		
	Product number	FCN15366_RONDA-ZT45		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	(simulated) 87 %
-	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	Double asymmetr	ic beam. Developed especially for
	Height	20.66 mm	•	ridor and supermarket applications
	Style	Round	-	le assemblies (aisle width = wall
LEDIL	Optic Material	-	height).	
	Holder Material	-	noight).	
	Fastening	""		
	Status	Production ready		
	Product number	FCN15499_RONDA-W		
13	Family	Ronda	FWHM	(simulated) 42
	Туре	Assembly	Efficiency	88 %
	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
0	Diameter	69.9 mm		
	Height	19.8 mm		
	Style	Round		
	Optic Material	-		
	Holder Material	-		
	Fastening			
	Status	Production ready		
		·		

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	Product number	FCN15621_RONDA-W		
Contraction of the second	Family Type	Ronda Assembly	FWHM Efficiency	(simulated) 42 88 %
	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	001201110	,
0000	Height	19.8 mm		
	Style	Round		
	Optic Material	-		
	Holder Material	-		
	Fastening			
	Status	Production ready		
	Product number	FN15731_RONDA-WAS-B		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	(simulated) 86 %
	LED	CXA/B 15xx	cd/lm	(simulated) 1.100
	Color	White	Gerber File	Available
	Diameter	69.9 mm	BJB 47.319.2xx	x 50mm / Stucchi 8xxx/G2 50mm /
	Height	22.3 mm	Ideal chip lok jr c	
	Style	Round	,.	
	Optic Material	PMMA	Developed espec	cially for wall washing applications at
-	Holder Material	-	~1:3 ratio assem	
	Fastening	["socket"]		
	Status	Sample approved		
	Product number	FN15733_RONDA-ZT45-B		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	(simulated) 87 %
	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	BJB 47.319.2xx	x 50mm / Stucchi 8xxx/G2 50mm /
	Height	15.4 mm		50-20, 50-30) compatible
	Style	Round		, , , , , , , , , , , , , , , , , , , ,
	Optic Material	PMMA	Double asymme	tric beam. Developed especially for
	Holder Material	-		prridor and supermarket applications
L'AND BUT	Fastening		-	isle assemblies (aisle width = wall
	Status	Sample approved	height)	
	Product number	FN15734_RONDA-S-B		
	Family	Ronda	FWHM	(simulated) 24
	Туре	Assembly	Efficiency	(simulated) 85 %
	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	BJB 47.319.2xx	x 50mm / Stucchi 8xxx/G2 50mm /
	Height	14.6 mm	ldeal chip lok jr (	50-20, 50-30) compatible
	Style	Round		•
	Optic Material	PMMA		
	Holder Material	-		
	Fastening			
C. S.	Status	Production ready		

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Product number	FN15735_RONDA-W-B	
Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Ronda Assembly CXA/B 15xx White 69.9 mm 14.6 mm Round PMMA - "" Sample approved	(simulated) 42 (simulated) 88 % - Available 50mm / Stucchi 8xxx/G2 50mm / 0-20, 50-30) compatible
Product number	FN15736_RONDA-WW-B	
Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Ronda Assembly CXA/B 15xx White 69.9 mm 14.6 mm Round PMMA - ""	(simulated) 62 (simulated) 89 % - Available 50mm / Stucchi 8xxx/G2 50mm / 0-20, 50-30) compatible
Product number	FN15737_RONDA-WWW-B	
Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Ronda Assembly CXA/B 15xx White 69.9 mm 14.6 mm Round PMMA - ""	(simulated) 90 87 % - Available 50mm / Stucchi 8xxx/G2 50mm / 0-20, 50-30) compatible
Product number Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	FN15738_RONDA-REC-60-B Ronda Assembly CXA/B 15xx White 69.9 mm 14.6 mm Round PMMA - ""	 (simulated) 62+62 (simulated) 90 % - Available 50mm / Stucchi 8xxx/G2 50mm / 0-20, 50-30) compatible

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Product number	FCN15740_RONDA-REC-60		
 Family Type LED Color	Ronda Pack CXA/B 15xx Clear	FWHM Efficiency cd/lm Gerber File	(simulated) 62+62 (simulated) 89 % - Available
Diameter Height Style Optic Material Holder Material Fastening Status	69.9 mm 14.6 mm Round - - - Sample approved		
Product number	FCN15209_RONDA-WAS		
Family Type LED Color	Ronda Assembly CXA/B 15xx White	FWHM Efficiency cd/lm Gerber File	Asymmetric degrees 91 % 0.950 Available
Diameter Height Style Optic Material Holder Material Fastening	69.9 mm 25.42 mm Round - - ["snaps", "socket", "clips", "screw"]	Developed especi ~1:3 ratio assemb	ally for wall washing applications at ly setup.
Status Product number	Production ready FN15380_RONDA-WAS		
Family Type LED Color	Ronda Assembly CXA/B 15xx White	FWHM Efficiency cd/lm Gerber File	Asymmetric degrees 91 % 0.950 Available
Diameter Height Style Optic Material Holder Material Fastening Status	69.9 mm 22.3 mm Round PMMA - ["socket"] Production ready	Developed especi ~1:3 ratio assemb	ally for wall washing applications at ly setup.
Product number	FN15380_RONDA-WAS		
Family Type LED Color Diameter Height Style Optic Material Holder Material	Ronda Assembly CXA/B 15xx White 69.9 mm 22.3 mm Round PMMA	FWHM Efficiency cd/Im Gerber File Developed especi ~1:3 ratio assemb	NULL degrees (simulated) 86 % - Available ally for wall washing applications at ly setup.
Fastening Status	["socket"] Production ready		

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	Product number	FN15381_RONDA-WWW		
	Family	Ronda	FWHM	NULL degrees
	Туре	Assembly	Efficiency	(simulated) 87 %
	LED	CXA/B 15xx	cd/lm	-
-	Color	White	Gerber File	Available
	Diameter	69.9 mm		
	Height	14.6 mm		
	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["socket"]		
	Status	Production ready		
	Product number	FN15381_RONDA-WWW		
	Family	Ronda	FWHM	NULL degrees
	Туре	Assembly	Efficiency	(simulated) 87 %
	LED	CXA/B 15xx	cd/lm	-
-	Color	White	Gerber File	Available
	Diameter	69.9 mm		
-	Height	14.6 mm		
	Style	Round		
k	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["socket"]		
	Status	Production ready		
	Product number	FN15387_RONDA-WW		
	Family	Ronda	FWHM	NULL degrees
	Туре	Assembly	Efficiency	(simulated) 89 %
	LED	CXA/B 15xx	cd/lm	-
1	Color	White	Gerber File	Available
	Diameter	69.9 mm		
	Height	14.6 mm		
· ·	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
A MARTINE TO A	Fastening Status	Production ready		
		-		
	Product number	FN15387_RONDA-WW		
	Family	Ronda	FWHM	NULL degrees
	Туре	Assembly	Efficiency	(simulated) 89 %
	LED	CXA/B 15xx	cd/lm	-
1/1	Color	White	Gerber File	Available
	Diameter	69.9 mm		
	Height	14.6 mm		
•	Style	Round PMMA		
	Optic Material Holder Material	PMMA -		
	Fastening	-		
	Status	Production ready		
	Claius	i iouuolion iouuy		

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F	Product number	FN15388_RONDA-ZT45		
F	amily	Ronda	FWHM	NULL degrees
	Гуре	Assembly	Efficiency	(simulated) 87 %
	ED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	Deuble services	the base of the second s
H A H	Height	15.4 mm		ric beam. Developed especially for
	Style	Round		rridor and supermarket applications
	Optic Material	PMMA		sle assemblies (aisle width = wall
	Holder Material	-	height).	
F	astening			
s	Status	Production ready		
F	Product number	FN15388_RONDA-ZT45		
F	amily	Ronda	FWHM	NULL degrees
	Гуре	Assembly	Efficiency	(simulated) 87 %
	ED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	Double asymmet	ric beam. Developed especially for
	leight	15.4 mm	-	rridor and supermarket applications
and the second sec	Style	Round		sle assemblies (aisle width = wall
	Optic Material	PMMA	height).	
	Holder Material	-		
	astening			
	Status	Production ready		
F	Product number	FN15388_RONDA-ZT45		
	amily	Ronda	FWHM	NULL degrees
	Гуре	Assembly	Efficiency	88 %
	ED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm	Double asymmet	ric beam. Developed especially for
	leight	15.4 mm	-	rridor and supermarket applications
	Style	Round	-	sle assemblies (aisle width = wall
	Optic Material	PMMA	height).	``
	Holder Material	-	<b>C</b> ,	
	Fastening			
	Status	Production ready		
F	Product number	FN15552_RONDA-W		
	amily	Ronda	FWHM	NULL degrees
	Гуре	Assembly	Efficiency	88 %
	ED	CXA/B 15xx	cd/lm	-
A HAR AND	Color	White	Gerber File	Available
interest and in the second sec	Diameter	69.9 mm		
	leight	14.6 mm		
	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	astening			
	Status	Production ready		

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	Product number	FN15622_RONDA-REC-60		
	Family	Ronda	FWHM	NULL degrees
	Туре	Pack	Efficiency	(simulated) 89 %
	LED	CXA/B 15xx	cd/lm	-
	Color	Clear	Gerber File	Available
	Diameter	69.9 mm		
	Height	14.6 mm		
-	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["socket"]		
-1600	Status	Production ready		
	Product number	FN15679_RONDA-S		
	Family	Ronda	FWHM	NULL degrees
	Туре	Assembly	Efficiency	-
	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
	Diameter	69.9 mm		
	Height	14.6 mm		
	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["screw"]		
	Status	Production ready		
	Product number	FN15679_RONDA-S		
	Family	Ronda	FWHM	NULL degrees
	Туре	Assembly	Efficiency	-
	LED	CXA/B 15xx	cd/lm	-
	Color	White	Gerber File	Available
- ·	Diameter	69.9 mm		
	Height	14.6 mm		
	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["screw"]		
	Status	Production ready		
	Product number	FN15977_RONDA-WAS2		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	(simulated) 86 %
	LED	CXA/B 15xx	cd/lm	(simulated) 1.100
- (14 × 1	Color	White	Gerber File	Available
	Diameter	69.9 mm	Developed espec	cially for wall washing applications at
	Height	14.6 mm	~1:3 ratio asseml	
	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["socket"]		
	Status	Production ready		

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	Product number	FN15993_RONDA-O		
	Family	Ronda	FWHM	(simulated) 49+21
	Туре	Assembly	Efficiency	-
	LED	CXA/B 15xx	cd/lm	(simulated) 2.140
*	Color	White	Gerber File	Available
	Diameter	69.9 mm		
	Height	17.28 mm		
•	Style	Round		
	Optic Material	PMMA		
•=•	Holder Material	-		
	Fastening	["socket"]		
	Status	Production ready		
	Product number	FN15997_RONDA-O-B		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	-
	LED	CXA/B 15xx	cd/Im	(simulated) 0.000
	Color	White	Gerber File	Available
6 Carlos	Diameter	69.9 mm	BJB 47.319.2xxx	50mm / Stucchi 8xxx/G2 50mm /
-	Height	22.3 mm	Ideal chip lok jr co	
	Style	Round	, ,	-
	Optic Material Holder Material	PMMA -		
	Fastening	["socket"]		
	Status	Production ready		
	Product number	FN15998_RONDA-O-C		
	Family	Ronda	FWHM	(simulated) Asymmetric
	Туре	Assembly	Efficiency	-
	LED	CXA/B 15xx	cd/lm	(simulated) 0.000
AT A STATE OF A STATE	Color	Clear	Gerber File	Available
	Diameter	53.9 mm		
And Million	Height	16.6 mm		
	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening	["socket"]		
	Status	Production ready		
	Product number	FN15552_RONDA-W		
	Family	Ronda	FWHM	63 degrees
	Туре	Assembly	Efficiency	91 %
	LED	CXA/B 15xx	cd/lm	0.750
-	Color	White	Gerber File	Available
	Diameter	69.9 mm		
	Height	14.6 mm		
-	Style	Round		
	Optic Material	PMMA		
	Holder Material	-		
	Fastening			
	Status	Production ready		

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	Product number	FCN15739_RONDA-REC-60		
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Ronda Pack CXA/B 15xx Clear 69.9 mm 14.6 mm Round - - - Sample approved	FWHM Efficiency cd/Im Gerber File	63 degrees 91 % 0.750 Available
	Product number	FN15789_RONDA-REC-90		
A CONTRACTOR	Family Type LED Color	Ronda Pack CXA/B 15xx Clear	FWHM Efficiency cd/lm Gerber File	87 degrees 91 % 0.500 Available
	Diameter Height Style Optic Material	69.9 mm 14.6 mm Round PMMA		ally for office applications.
	Holder Material Fastening Status	- "" Production ready		
	Product number	FCN15790_RONDA-REC-90		
	Family Type LED Color	Ronda Pack CXA/B 15xx Clear	FWHM Efficiency cd/lm Gerber File	87 degrees 91 % 0.500 Available
	Diameter Height Style Optic Material Holder Material Fastening	69.9 mm 19.8 mm Round - - -	Developed especia	ally for office applications.
	Status	Sample approved		

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.

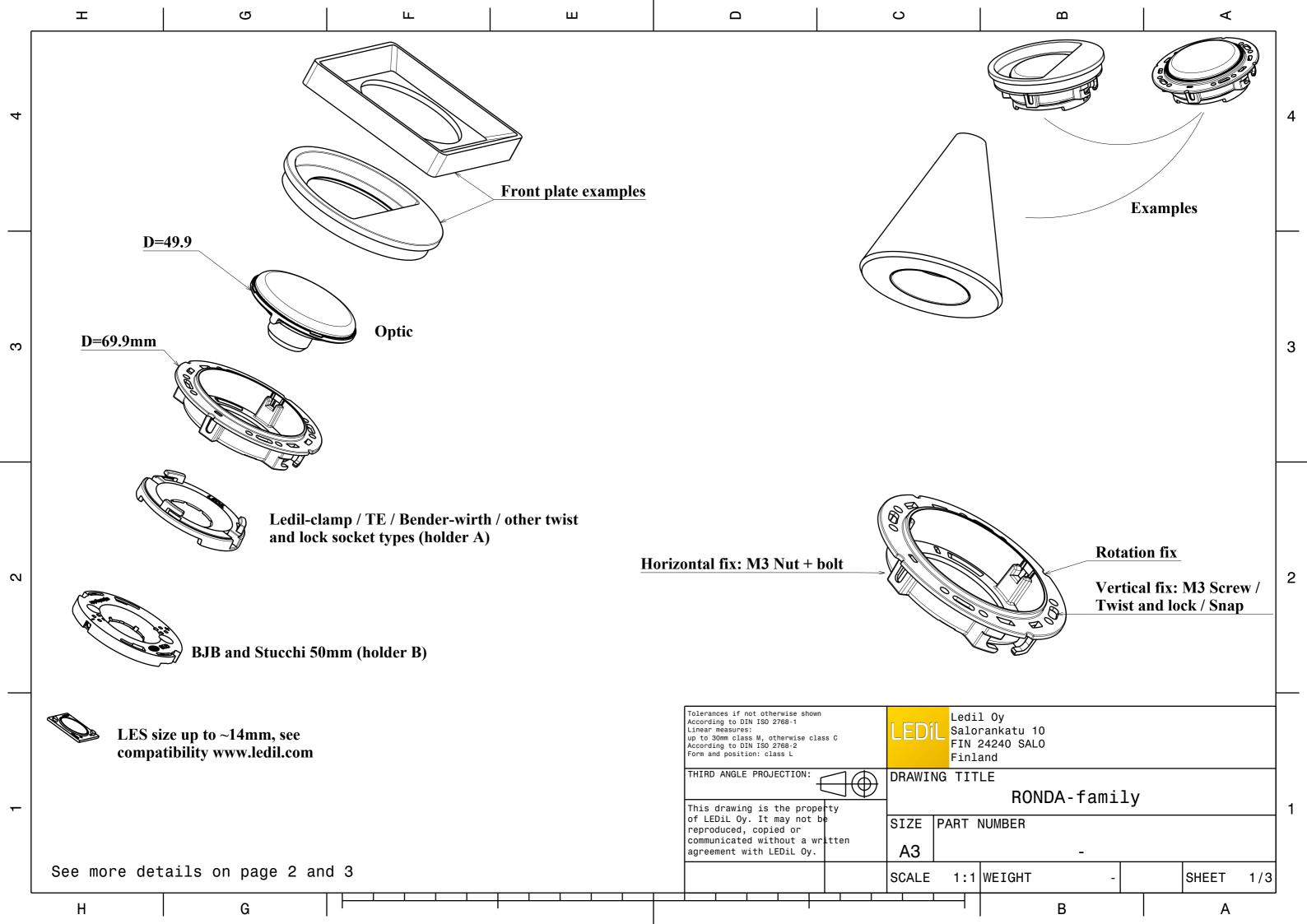
- Special care taken to make light distribution as uniform as possible.

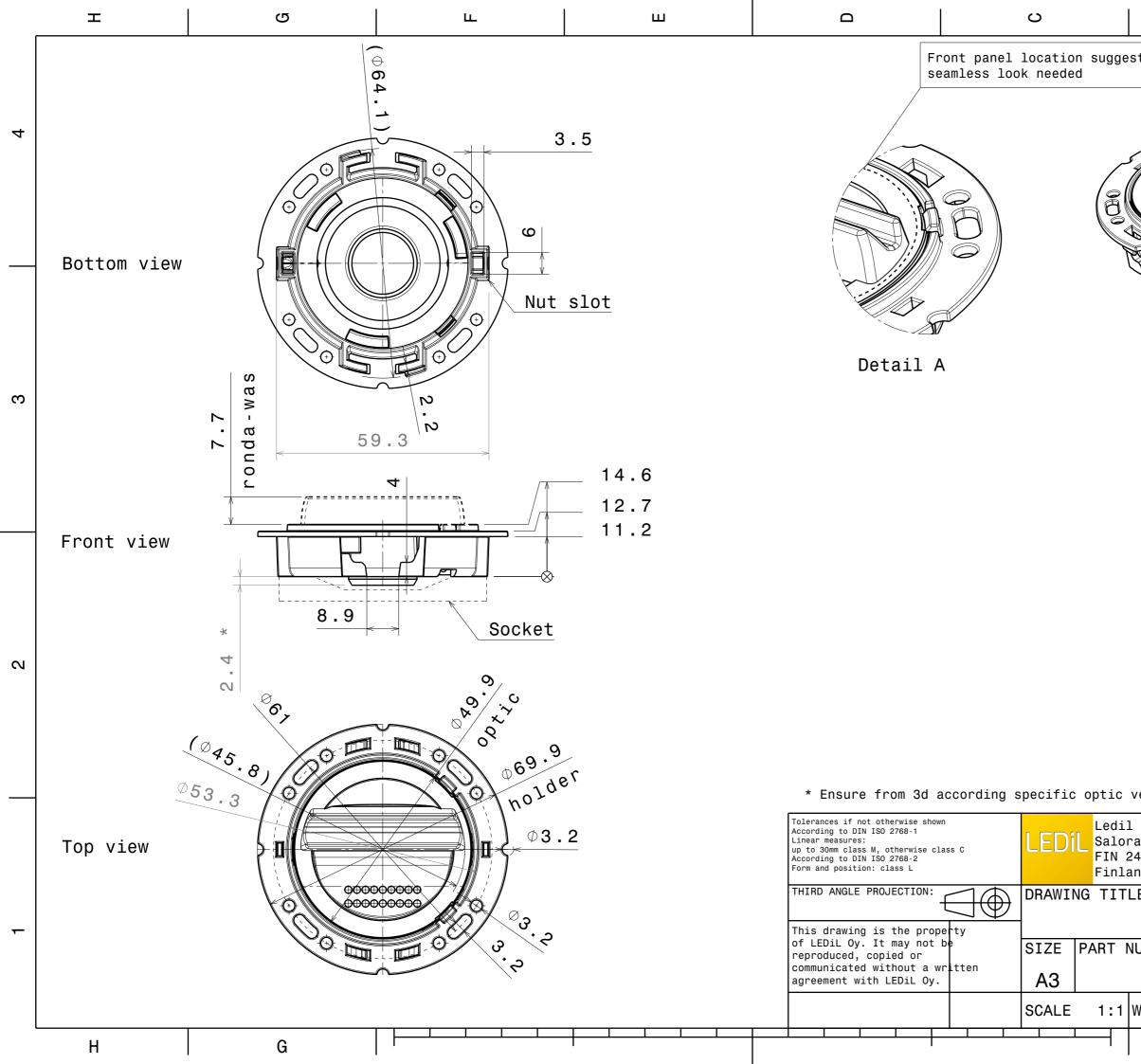
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

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

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.



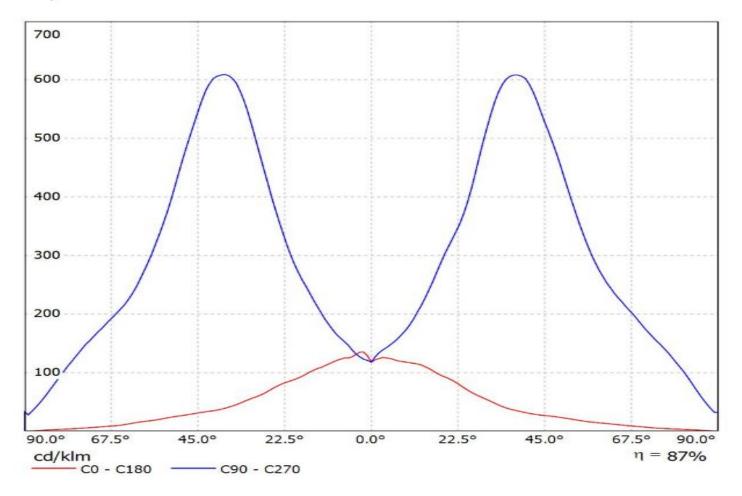


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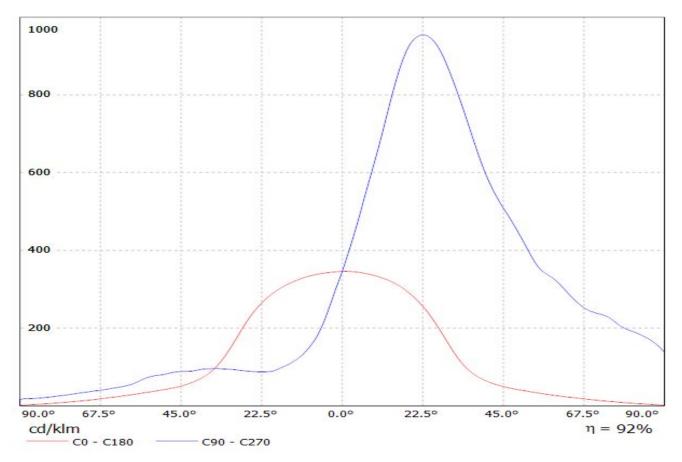
A

OPTIC/HOLDER ASSEMBLY as example)	including
Holder hole	
connec	ure corr tor befo 0.6Nm.
DET B TIN and C1 heatsi 3. Att	emble LE 3658_CLA nk with ach opti
	lder wit holder c
Pin Clip Align clamp	
N Clip	ector.
Tolerances if not otherwise shown	Ledil 0
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	)[Saloran FIN 2424 Finland
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy. A3	
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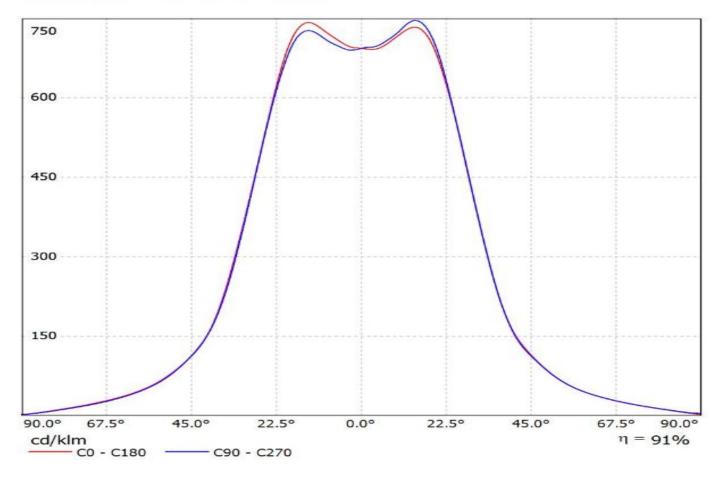
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ng solderless BE	<u>NDER WIRTH</u>	4
ED, BENDER&WIRTH AMP-VER013-18 cl M3 screw.	commended I connector amp on the holes in rning the	3
clockwise until it locks. el 4xx Typ L1 ioning pin with holes		2
Oy ankatu 10 H240 SALO Id E RONDA-family JMBER - VEIGHT -	y SHEET 3/3	1
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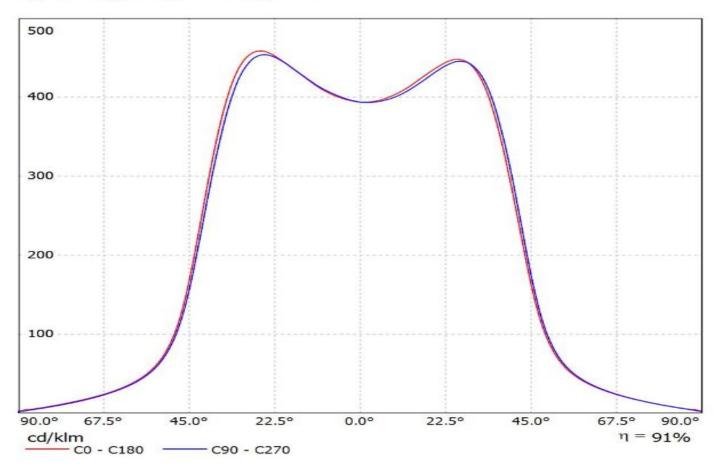




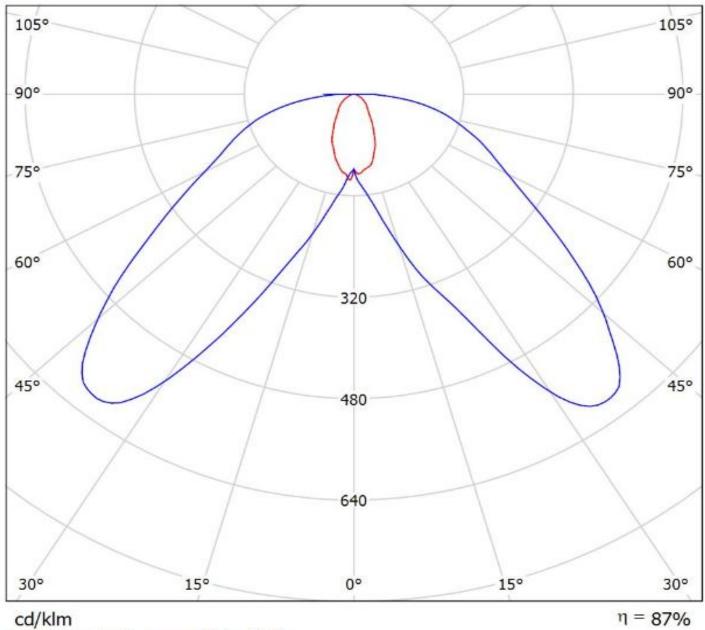
#### Luminaire: LEDiL Oy FCN15739\_RONDA-REC-60\_(CXA1520) Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-00001)+C14123\_CLAMP-CXA15-18\_1003.41Im@250mA\_P=8.57488W\_I=0.25A



#### Luminaire: LEDiL Oy FCN15790\_RONDA-REC-90\_(CXA1520) Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-00001)+C14123\_CLAMP-CXA15-18\_1003.41Im@250mA\_P=8.57488W\_I=0.25A

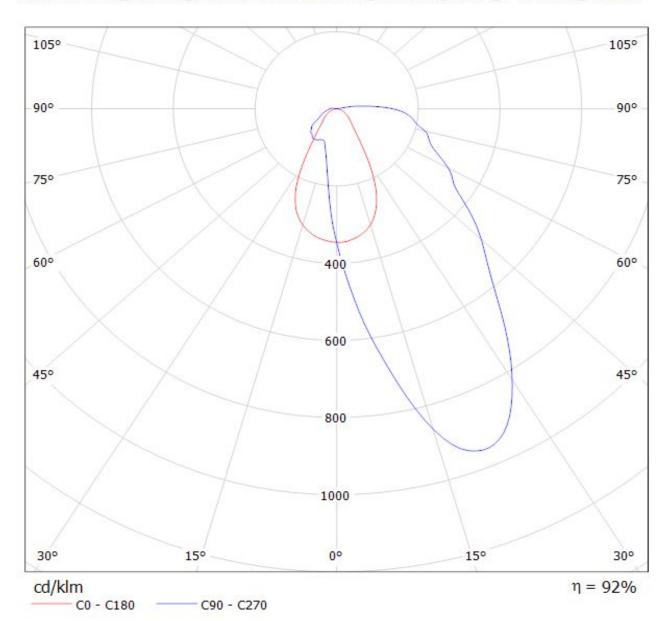


#### Luminaire: FCN15357\_RONDA-ZT45\_CXA1520\_SIMULATED\_1000LM Lamps: 1 x 1000lm



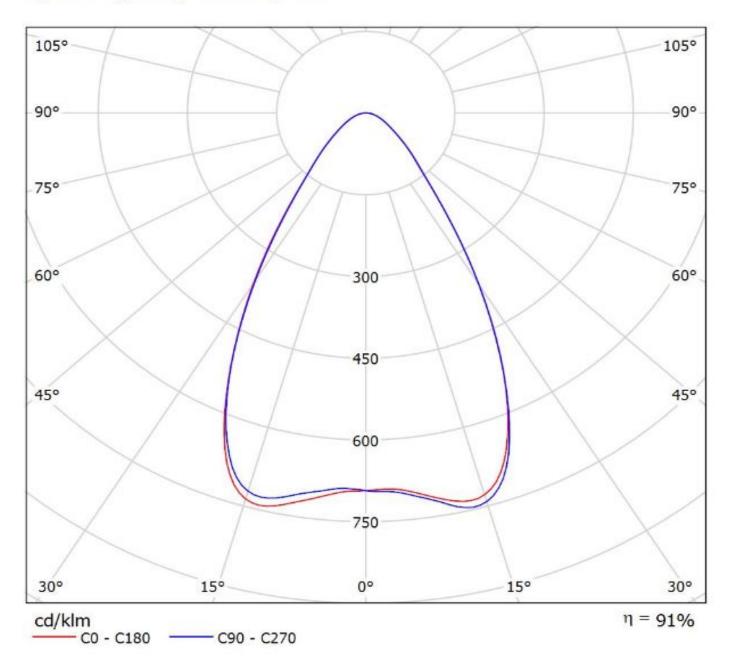






Luminaire: LEDiL Oy F15156\_RONDA-WAS\_(CXA1520) Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-0001)\_982.885Im@250mA\_P=8.57638W\_I=0.250A

#### Luminaire: LEDiL Oy FCN15739\_RONDA-REC-60\_(CXA1520) Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-00001)+C14123\_CLAMP-CXA15-18\_1003.41Im@250mA\_P=8.57488W\_I=0.25A



#### Luminaire: LEDiL Oy FCN15790\_RONDA-REC-90\_(CXA1520) Lamps: 1 x Cree\_CXA1520\_(CXA1520-30F-N4-N0H-00001)+C14123\_CLAMP-CXA15-18\_1003.41Im@250mA\_P=8.57488W\_I=0.25A

