

## PRODUCT DATASHEET Rose series

last update 26/6/2013

<b>F</b>	Product number	FA10678_CMC-SS		
	Family	Rose	FWHM	20 degrees
	Туре	Assembly	Efficiency	-
	LED	MC-E	cd/lm	5.760
	Color	Black	Gerber File	Available
Carlo Carlo Carlo	Diameter	21.6 + 21.6 mm	Gerber File	Available
	Height	13.8 mm		
	Style	Square		
14	Optic Material	PC		
	Holder Material	-		
	Fastening	["tape"]		
	Status	Production ready		
and the second sec	Product number	FA10679_CMC-RS		
AND	Family	Rose	FWHM	20 degrees
*	Туре	Assembly	Efficiency	90 %
	LED	MC-E	cd/lm	6.460
	Color	Black	Gerber File	Available
	Diameter	21.6 + 21.6 mm		
	Height	13.8 mm		
A Cast	Style	Square		
	Optic Material	PC		
	Holder Material	-		
	Fastening	["tape"]		
the second se	Status	Production ready		
	Product number	FA10677_CMC-D		
0.0	Family	Rose	FWHM	22 degrees
	Family Type	Rose Assembly	FWHM Efficiency	22 degrees 90 %
	-			-
2	Туре	Assembly	Efficiency	90 %
	Type LED	Assembly MC-E	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter	Assembly MC-E Black	Efficiency cd/lm	90 % 4.680
	Type LED Color	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height	Assembly MC-E Black 21.6 + 21.6 mm	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style Optic Material	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC -	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"]	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style Optic Material Holder Material	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"]	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready	Efficiency cd/lm	90 % 4.680
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Product number	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready FA10676_CMC-M	Efficiency cd/Im Gerber File	90 % 4.680 Available
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready FA10676_CMC-M Rose	Efficiency cd/Im Gerber File	90 % 4.680 Available 30 degrees
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready FA10676_CMC-M Rose Assembly	Efficiency cd/lm Gerber File FWHM Efficiency	90 % 4.680 Available 30 degrees 85 %
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready FA10676_CMC-M Rose Assembly MC-E	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready FA10676_CMC-M Rose Assembly MC-E Black	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status <b>Product number</b> Family Type LED Color Diameter Height Style	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	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	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	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	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC -	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	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	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"]	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	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	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC -	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460
	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	Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready <b>FA10676_CMC-M</b> Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"]	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	90 % 4.680 Available 30 degrees 85 % 2.460

April 30th 2017 9:20 Copyright Ledil Oy - Subject to change without prior notice - Page 1/3

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## PRODUCT DATASHEET Rose series

last update 26/6/2013

~	Product number	FA10714_CMC-W		
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready	FWHM Efficiency cd/lm Gerber File	35 degrees 83 % 1.560 Available
Aller	Product number	FA11155_CMC-O-90		
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready FA10680_CMC-O	FWHM Efficiency cd/Im Gerber File	42+20 degrees - - Available
	Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status	Rose Assembly MC-E Black 21.6 + 21.6 mm 13.8 mm Square PC - ["tape"] Production ready	FWHM Efficiency cd/Im Gerber File	43+20 degrees 84 % 2.500 Available

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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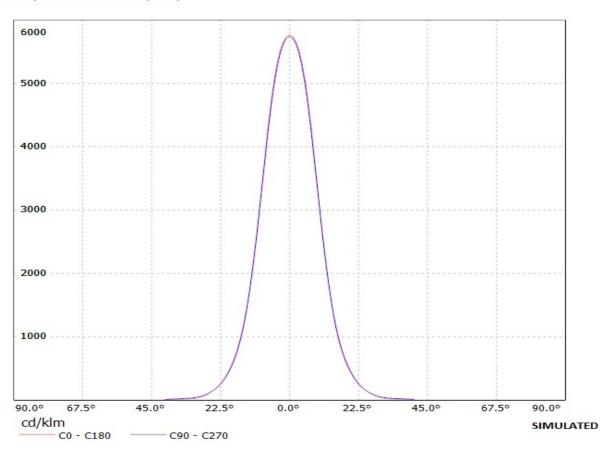
### **GENERAL INFORMATION**

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

Special care taken to make light distribution as uniform as possible.
Lens material optical grade PC with high UV and temperature resistance (120 degrees of Celcius / 248 degrees of Fahrenheit). Allows use of high current and temperature conditions.

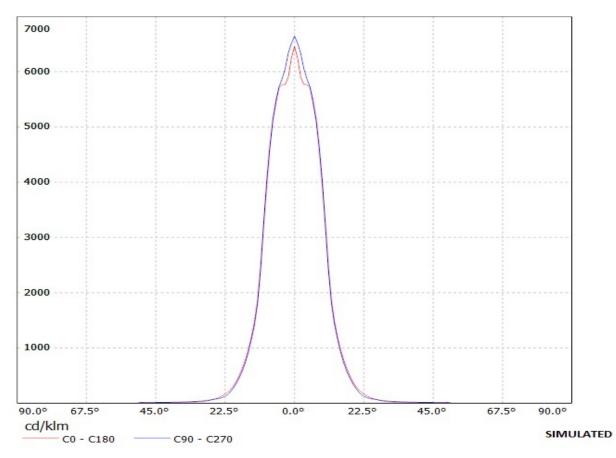
Please find more information about used materials from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PC%20Makrolon%202400\_2407\_2456\_2458-UL .pdf

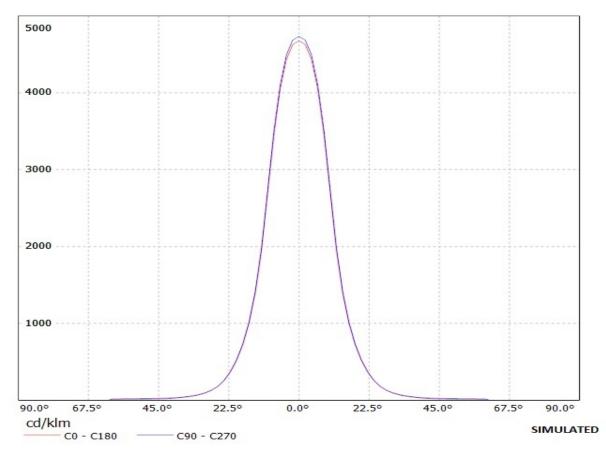


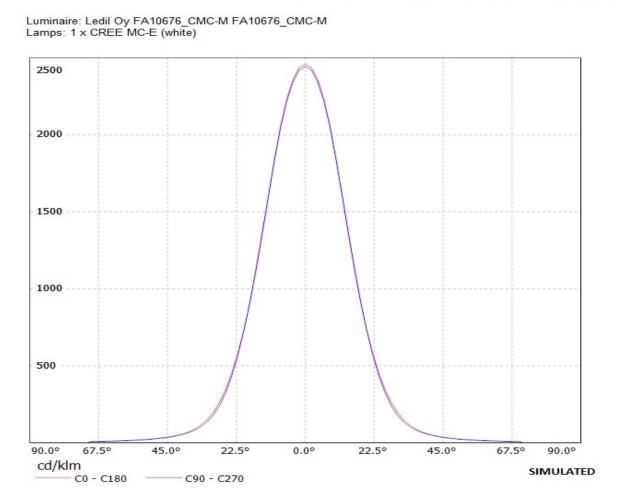
Luminaire: Ledil Oy FA10678\_CMC-SS FA10678\_CMC-SS Lamps: 1 x CREE MC-E (white)

### Luminaire: Ledil Oy FA10679\_CMC-RS FA10679\_CMC-RS Lamps: 1 x CREE MC-E (white)

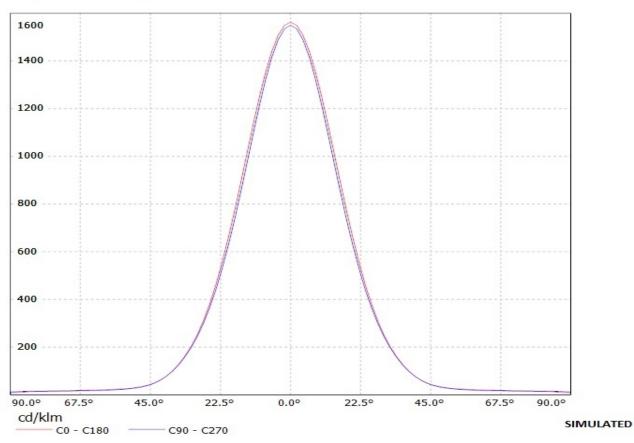


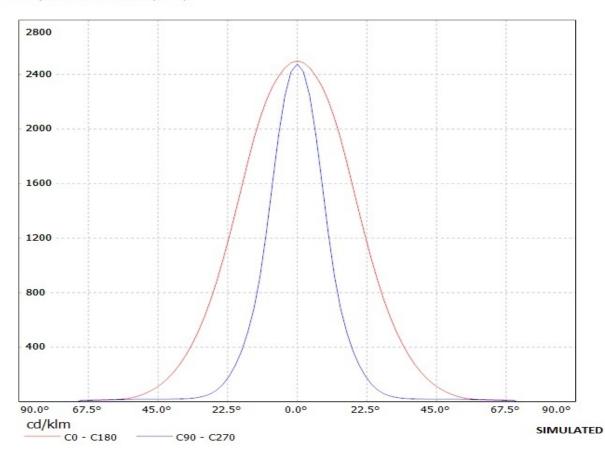
# Luminaire: Ledil Oy FA10677\_CMC-D FA10677\_CMC-D Lamps: 1 x CREE MC-E (white)





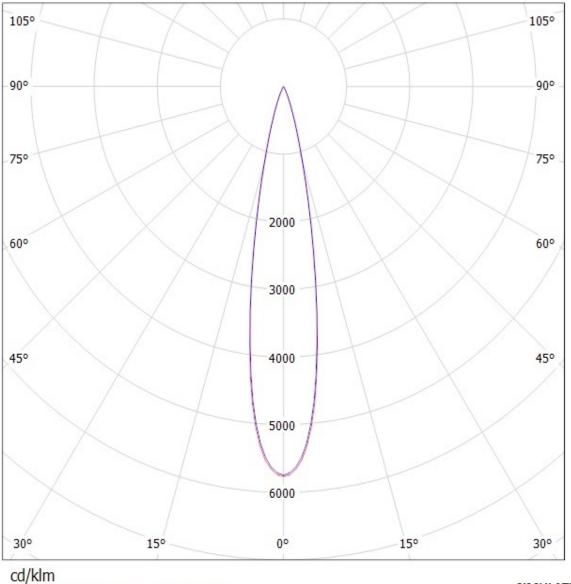






### Luminaire: Ledil Oy FA10680\_CMC-O FA10680\_CMC-O Lamps: 1 x CREE MC-E (white)

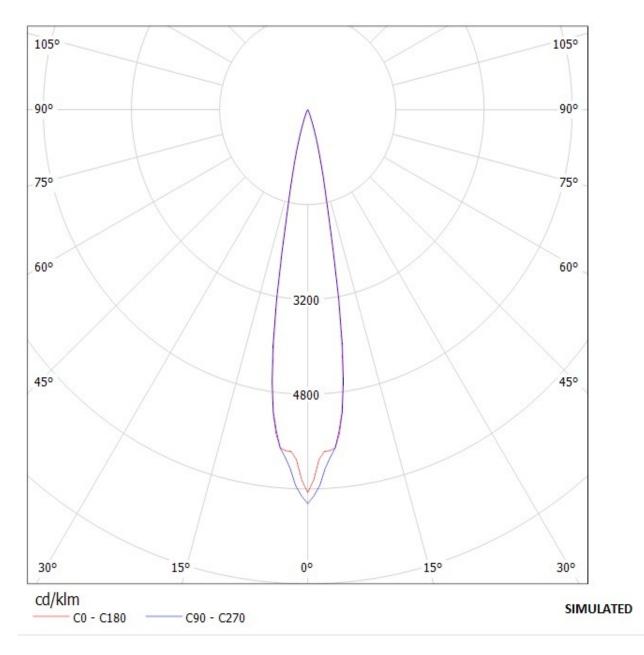
Luminaire: Ledil Oy FA10678\_CMC-SS FA10678\_CMC-SS Lamps: 1 x CREE MC-E (white)



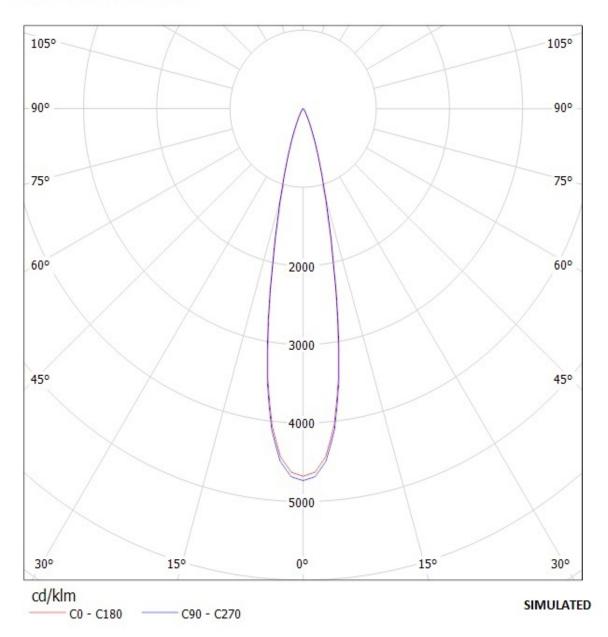
\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270

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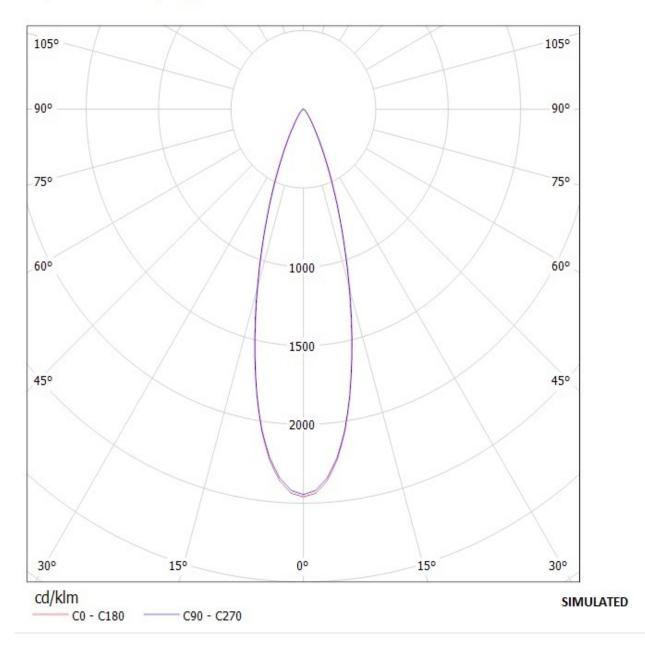
# Luminaire: Ledil Oy FA10679\_CMC-RS FA10679\_CMC-RS Lamps: 1 x CREE MC-E (white)



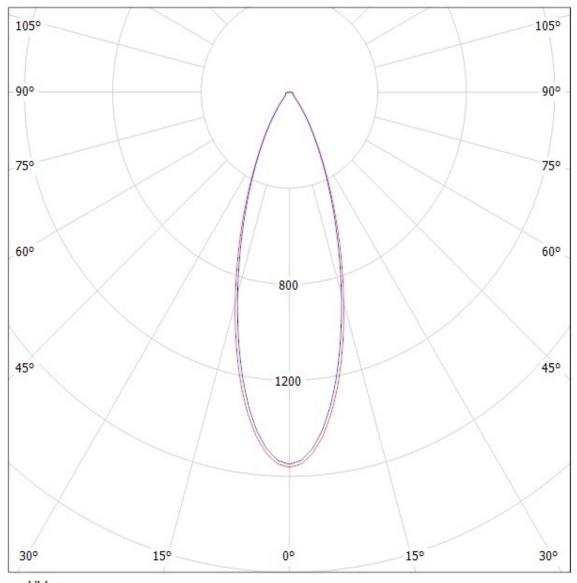
Luminaire: Ledil Oy FA10677\_CMC-D FA10677\_CMC-D Lamps: 1 x CREE MC-E (white)



Luminaire: Ledil Oy FA10676\_CMC-M FA10676\_CMC-M Lamps: 1 x CREE MC-E (white)



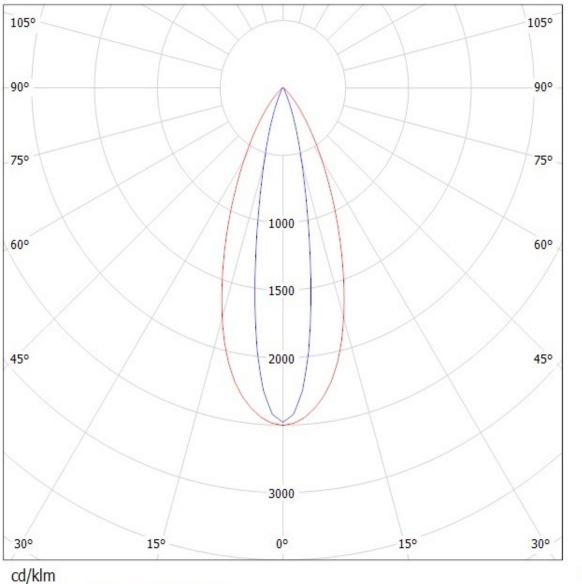
# Luminaire: Ledil Oy FA10714\_CMC-W FA10714\_CMC-W Lamps: 1 x CREE MC-E (white)



cd/klm \_\_\_\_\_\_ C0 - C180 \_\_\_\_\_ C90 - C270

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Luminaire: Ledil Oy FA10680\_CMC-O FA10680\_CMC-O Lamps: 1 x CREE MC-E (white)





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