

# PRODUCT DATASHEET FA10653\_LC1-RS

## LC1-RS

~9.6° spot beam optimized for CREE XR-E. 16.5 mm high assembly with installation tape.

#### **SPECIFICATION:**

Dimensions	Ø 21.6 mm
Height	16.5 mm
Fastening	tape
ROHS compliant	yes 🛈



#### **MATERIALS:**

Component LC1-RS LC-LH1-TAPE-BLK LEILA-TAPE

Туре	Mat		
Single lens	PMN		
Holder	PC		
Таре	PET		

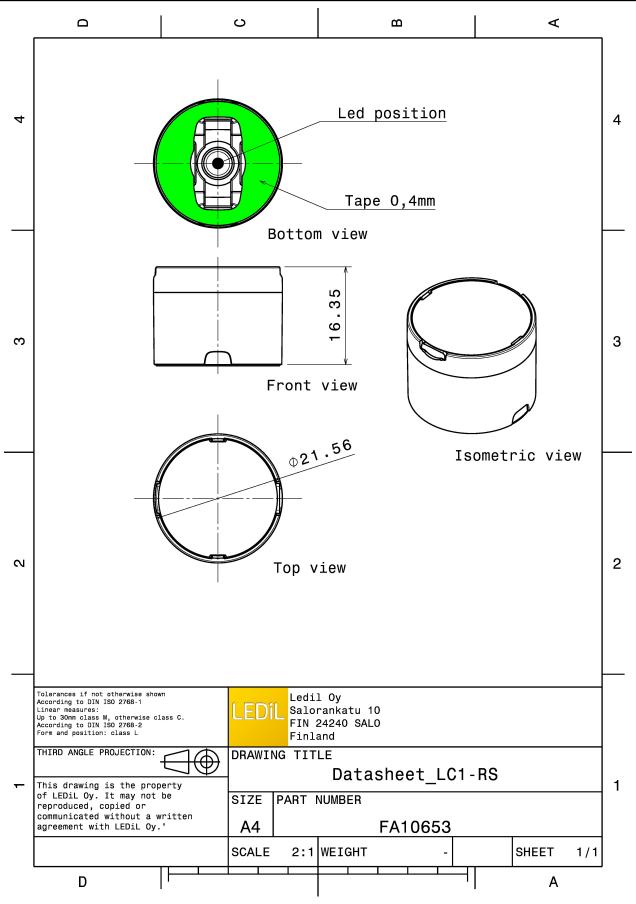
terial	Colour	Finish
MA	clear	
	black	
T tape 0,2mm	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10653_LC1-RS	Single lens	2016	288	144	11.0
» Box size:					



## PRODUCT DATASHEET FA10653\_LC1-RS



See also our general installation guide: www.ledil.com/installation\_guide



## **OPTICAL RESULTS (MEASURED):**

LED	XR-E
FWHM / FWTM	6.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required compone	ents:



## **OPTICAL RESULTS (SIMULATED):**

ED       MX-6         PWHM / FWTM       12.0° X0.0°         Fildeincy       83 %         Pask Intensity       8.7 cd/lm         LEObesch optic       1         Light colour       White         Required components:	r		
NYME / PVTM       120 / 20.0°         Efficiency       8.3 %         Reak intensity       8.7 cd/m         LEDs/seach optic       1         Light colour       White         Required components:			90*
Efficiency 83% Peak intensity 8.7 Collin LES/each optic LED XHP50 WHAI / FWTM 24.0/° 24.0° Series intensity 3.3 collin LEDwach optic LED XHP50 WHAI / WTM 24.0° Series intensity 3.3 collin LES/ach optic LED XHAL Sequired components: CREE \$ LED XHAL Sequired components: CREE \$ Sequired components: CREE \$ Seq			73.
Peak intensity 8.7 od/im LED Steach optic 1 Jipht colour White Required components: CREE C: LED XHP50 WMM / FWTM 24.0° / 40.0° Efficiency 76 % Peak intensity 3.3 od/im LED Steach optic 1 Lipht colour White Required components: CREE C: LED XM-L EDS Add Market Ad			
LEDs/each optic 1 Light colour White Required components: LED XHP50 WHA / PWTM 24.07 / 40.0° Efficiency 76 % Paak intensity 3.3 advin LEDs/each optic 1 Light colour White Required components: LED XM-L WHA / 28.0° Efficiency 30 % Paak intensity 9.1 advin LEDs/each optic 1 LEDs/each o			60° 3200 60°
ight colour White Required components: ED XHP50 VMM / FVTM 24.0° / 40.0° Efficiency 76 % Pack intensity 3.3 cd/m LEDs/each optic 1 light colour White Required components: ED XML VMM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 light colour White Required components: ED XML EDS/each optic 1 light colour White Required components: ED XML EDS/each optic 1 light colour White Required components: ED XML EDS/each optic 1 light colour VMite EDS/each optic 1 light colour VMite			
required components: Required components: LED XHP50 WHH /FVTTM 24.0° / 40.0° Strain findinery 76 % Strain findinery 76 % Strain findinery 76 % Required components: CCEEE LED XML Required components: CCEE LED XML WHI A0° / 28.0° Strain findinery 9.1 cd/m LED x 20.0° Strain findinery 9.1 cd/m Required components: CCEE LED XML WHI A0° / 28.0° Strain findinery 9.1 cd/m Required components: CCEE LED XML Strain findinery 9.1 cd/m Required components: Strain findinery 7.7 % Pack Intensity 9.7 % Pack Intensity 10 cd/m Required components: Strain findinery 7.7 % Pack Intensity 10 cd/m LED x M-G3 Strain findinery 7.7 % Pack Intensity 10 cd/m Strain findinery 7.7 % Pack Intensity 10 cd/m Pack Intensity 10 cd/m Strain findinery 7.7 % Pack Intensity 10 cd/m Strain findinery 7.7 % Pack Intensity 10 cd/m			
CREE ÷ LED XHP50 WHM /FVTM 24.0°/40.0° Efficiency 76 % Peak intensity 3.3 cd/m LBS/each optic 1 Jight colour White Required components: CREE ÷ LED XM-L WHM /FVTM 14.0°/22.0° Efficiency 80 % Peak intensity 9.1 cd/m LBS/each optic 1 Jight colour White Required components: CREE ÷ LED XM-L WHM /FVTM 14.0°/22.0° Efficiency 80 % Peak intensity 9.1 cd/m LBS/each optic 1 Jight colour White Required components: ED XP-G3 EVEN / 2.0° Efficiency 77 % Peak intensity 10 cd/m LED / 2.0°/25.0° Efficiency 77 % Peak intensity 10 cd/m LED / 2.0°/25.0° Efficiency 77 % Peak intensity 10 cd/m LED / 2.0°/25.0° Efficiency 77 % Peak intensity 10 cd/m LED / 25.0°		white	$f \times ( \cup X )$
CREE \$ LED XHP50 WHM / FVTM 24.0° / 40.0° Efficiency 76 % Pack intensity 3.3 cd/m LeDs/each optic 1 Light colour White Required components: CREE \$ LED XM-L WHM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components: CREE \$ LED XM-L WHM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components:	Required components:		000
CREE \$ LED XHP50 WHM / FVTM 24.0° / 40.0° Efficiency 76 % Pack intensity 3.3 cd/m LeDs/each optic 1 Light colour White Required components: CREE \$ LED XM-L WHM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components: CREE \$ LED XM-L WHM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components:			
CREE \$ LED XHP50 WHM / FVTM 24.0° / 40.0° Efficiency 76 % Pack intensity 3.3 cd/m LeDs/each optic 1 Light colour White Required components: CREE \$ LED XM-L WHM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components: CREE \$ LED XM-L WHM / FVTM 14.0° / 28.0° Efficiency 80 % Pack intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components:			$\times$ / $\vee$ $\times$
ED       XHP50         WHM / FWTM       24,0° / 40,0°         Filciancy       76 %         Peak intensity       3.3 cd/m         EDS/each optic       1         .ight colour       White         Required components:			30° 30° 30° 30°
ED       XHP50         WHM / FWTM       24,0° / 40,0°         Filciancy       76 %         Peak intensity       3.3 cd/m         EDS/each optic       1         .ight colour       White         Required components:			50*
WHM / FWTM       24.0° / 40.0°         Efficiency       76 %         Peak intensity       3.3 od/m         LEDs/each optic       1         Light colour       White         Required components:	LED	XHP50	
Peak intensity       3.3 cd/lm         EDSeach optic       1         Light colour       White         Required components:       Image: Component State Sta	FWHM / FWTM	24.0° / 40.0°	
LEDs/each optic 1 Light colour White Required components: CREE & LED XM-L TWHM / FWTM 14.0° / 28.0° Efficiency 80 % Peak intensity 9.1 cd/m LEDs/each optic 1 Light colour White Required components: CREE & LED XM-L TWHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/m LEDs/each optic 1 LEDS/each optic 1 Light colour White CREE & LED XM-L TWHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/m LEDs/each optic 1 LEDS/each o	Efficiency	76 %	60°
LEDS each optic 1 LeD XM-L White Required components: LED XM-L WHM / FWTM 14.0° / 28.0° Filciency 80 % Peak intensity 9.1 cd/m LEDS/each optic 1 Light colour White Required components: CREE & LED XM-L WHM / FWTM 12.0° / 28.0° Filciency White Required components: LED XP-G3 FWHM / FWTM 12.0° / 28.0° Filciency 77 % Peak intensity 10 cd/m LEDS/each optic 1 LED XM-L TY SACON Filciency 77 % Peak intensity 10 cd/m LEDS/each optic 1 LED XM-L White XM-L SACON S	Peak intensity	3.3 cd/lm	
Required components: ED XM-L WHM / FWTM 14.0° / 28.0° Efficiency 80 % Peak intensity 9.1 cd/lm LEDs/each optic 1 LEDs watch optic 1 EDS Peak intensity 9.1 cd/lm LEDs/each optic 1 EDS XP-G3 WHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 EDS XP-G3 WHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 EDS/each optic 1	LEDs/each optic	1	
CREE S ED XM-L WHM / FWTM 14.0° / 28.0° Efficiency 80 % Peak intensity 9.1 cd/lm EDs/each optic 1 ight colour V/hite Required components: ED XP-G3 FWHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm EDs/each optic 1 ight colour White	Light colour	White	45*
LED       XM-L         WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	Required components:		2430
LED       XM-L         WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:			
LED       XM-L         WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:			
LED       XM-L         WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:			36* 350
LED       XM-L         WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:			15% 0% 15%
LED       XM-L         WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:			90° 90°
WHM / FWTM       14.0° / 28.0°         Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	LED	XM-L	
Efficiency       80 %         Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	FWHM / FWTM	14.0° / 28.0°	75*
Peak intensity       9.1 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	Efficiency	80 %	
LEDs/each optic       1         Light colour       White         Required components:       Image: Component State Sta	Peak intensity	9.1 cd/lm	$\tilde{\mathbf{x}} / \tilde{\mathbf{x}} $
Required components: CREES LED XP-G3 WHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White	LEDs/each optic	1	
CREE LED XP-G3 FWHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White	Light colour	White	gg* gg*
LED XP-G3 WHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White	Required components:		6120
LED XP-G3 WHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White			
LED XP-G3 WHM / FWTM 12.0° / 26.0° Efficiency 77 % Peak intensity 10 cd/lm LEDs/each optic 1 Light colour White			
CREE         LED       XP-G3         FWHM / FWTM       12.0° / 26.0°         Efficiency       77 %         Peak intensity       10 cd/lm         LEDs/each optic       1         Light colour       White			9600
ED         XP-G3           FWHM / FWTM         12.0° / 26.0°           Efficiency         77 %           Peak intensity         10 cd/lm           LEDs/each optic         1           Light colour         White	CREE ≑		15° 0 <sup>0</sup> 15°
FWHM / FWTM     12.0° / 26.0°       Efficiency     77 %       Peak intensity     10 cd/lm       LEDs/each optic     1       Light colour     White			
Efficiency     77 %       Peak intensity     10 cd/lm       LEDs/each optic     1       Light colour     White			
Peak intensity     10 cd/lm       LEDs/each optic     1       .ight colour     White			
LEDs/each optic 1 Light colour White			
light colour White			



## **OPTICAL RESULTS (SIMULATED):**

	DS	<u>85*</u>
LED	LUXEON CZ	75
FWHM / FWTM	6.0° / 14.0°	
Efficiency	80 %	60 <sup>5</sup> 50 <sup>70</sup> 60 <sup>4</sup>
Peak intensity	41.7 cd/lm	
LEDs/each optic	1	
Light colour	Red	5° 500 6°
Required component	s:	
		30"
		220 0 20"