

### **MIRELLA-50-S**

~15° spot beam

#### **TECHNICAL SPECIFICATIONS:**

DimensionsØ 49.9 mmHeight24 mmFasteningglueROHS compliantyes <sup>(1)</sup>

#### **MATERIAL SPECIFICATIONS:**

Component MIRELLA-50-S **Type** Reflector **Material** PC



PRODUCT DATASHEET

C12476\_MIRELLA-50-S

Colour	Finish	Coating
metal		lacquer

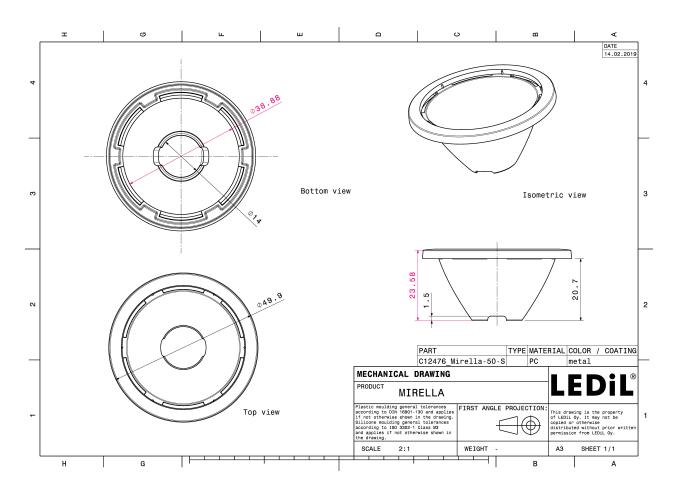
#### **ORDERING INFORMATION:**

Component C12476\_MIRELLA-50-S

» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
336	112	28	3.0







### PHOTOMETRIC DATA (MEASURED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	30° 50° 50° 50° 50° 50° 50° 50° 5
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	White ents:	500 500 500 500 500 500 500 500 500 500
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	White ents:	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	CLL01x 17.0° 84 % 5.5 cd/lm 1 White tents:	

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FWHM 2 Efficiency LEDs/each optic 1 Light colour N Required compone C12479_MIRELI CITTIZEN LED 0 FWHM 1 Efficiency LEDs/each optic 1	White nts: _A-DL J CLL01x I4.0° % I White			35
LEDs/each optic flight colour N Required compone C12479_MIRELI	I White nts: _A-DL J CLL01x I4.0° % I White			35
Light colour N Required compone C12479_MIRELI CITIZEN LED C FWHM 1 Efficiency LEDs/each optic 1	White nts: _A-DL J CLL01x I4.0° % I White			35
Required compone C12479_MIRELI CITIZEN LED ( FWHM 1 Efficiency LEDs/each optic 1	nts: _A-DL J CLL01x I4.0° % I White			39*
C12479_MIRELI CITTIZEN LED (C FWHM 1 Efficiency LEDs/each optic 1	LA-DL J CLL01x 14.0° % I White			39*
CITIZEN LED ( FWHM 1 Efficiency LEDs/each optic 1	J CLL01x I4.0° % I White		N	25
LED ( FWHM 1 Efficiency LEDs/each optic 1	CLL01x I4.0° % I White			99°
FWHM 1 Efficiency LEDs/each optic 1	14.0° % I White			71
FWHM 1 Efficiency LEDs/each optic 1	14.0° % I White			
Efficiency LEDs/each optic 1	% I White			
LEDs/each optic 1	l White			60 <sup>1</sup>
	White			$\mathbb{N} \times \mathbb{A} / \mathbb{H} \times \mathbb{A}$
Light colour \				
				gr.
Required compone	nts:			
CITIZEN	1			30° 155 - 3802 - 15°
LED (	CLL02x/CLU02x (LES10)			
FWHM 2	20.0°			
Efficiency 9	93 %			
LEDs/each optic 1	I			
Light colour \	White			
Required compone	nts:		1	
CITIZEN				
	CLL02x/CLU02x (LES10)			
	19.0°			
	34 %			
	3.6 cd/lm			
LEDs/each optic				
	White			
Required compone				
C13333_MIRELI	LA-UL			

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### PHOTOMETRIC DATA (MEASURED):

CITIZEN	J	90* 90*
LED	CLL02x/CLU02x (LES10) 28.0°	75-
	32 %	
•	2.1 cd/im	60 <sup>6</sup> 600 50 <sup>4</sup>
LEDs/each optic		
	Nhite	53° (53
Required compone	nts:	
C12479_MIREL		
		30- 100 00 100 30
CITIZEN	J	50°
	CLL02x/CLU02x (LES10)	
	32.0°	75' 400
	31 %	
-	1.8 cd/lm	
LEDs/each optic		
Light colour	White	ggs by
Required compone	nts:	
C13723_MIREL	_A-RZL	
		1690
		30-
CITIZEN		90* 90*
	CLU700/701/702	
	26.0°	75
	33 %	
•	2.3 cd/lm	
LEDs/each optic		
Light colour	Nhite	434 43
Required compone		
C13723_MIREL	_A-RZL	
		30° 24 <u>50</u> 36 25 <sup>°</sup> 0 <sup>°</sup> 15°
CITIZE	J	20 <sup>4</sup> 200 201 201 201 201 201 201 201 201 201
LED	J CLU700/701/702 21.0°	20 <sup>+</sup>
LED FWHM	CLU700/701/702	
LED FWHM Efficiency	CLU700/701/702 21.0°	
LED FWHM Efficiency	CLU700/701/702 21.0° 34 % 3.1 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	CLU700/701/702 21.0° 34 % 3.1 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU700/701/702 21.0° 34 % 3.1 cd/lm 1 White whts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	CLU700/701/702 21.0° 34 % 3.1 cd/lm 1 White whts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU700/701/702 21.0° 34 % 3.1 cd/lm 1 White whts:	

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CITIZE: LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CLU700/701/702 15.0° 90 % 6.2 cd/lm 1 White	20° 0° 12° 0° 0° 12° 0° 0° 0° 12° 0
CITIZEZ LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	CLU700/701/702 15.0° 85 % 5.9 cd/lm 1 White tents:	
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13723_MIRE	CLU710/711 29.0° 83 % 1.9 cd/lm 1 White nents:	
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	CLU710/711 26.0° 83 % 2.1 cd/lm 1 White ments:	20,   10,   0,   12,   0,     21,   0,   10,0   10,0   10,0     60,   000   00,   0,0   0,0     33,   00   00   0,0   0,0     36,   00   00   0,0   0,0     36,   00   00   0,0   0,0     36,   00   00   0,0   0,0     36,   00   0,0   0,0   0,0     36,   00   0,0   0,0   0,0     36,   00   0,0   0,0   0,0     36,   00   0,0   0,0   0,0     36,   00   0,0   0,0   0,0     36,   0,0   0,0   0,0   0,0     36,   0,0   0,0   0,0   0,0     36,   0,0   0,0   0,0   0,0



CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CLU710/711 20.0° 90 % 3.7 cd/lm 1 White	10.   60.   10.   90.     20.   200   62.     20.   700   62.     60.   700   62.     60.   700   62.     60.   700   62.     60.   700   62.     60.   700   62.     60.   700   63.     60.   700   63.     60.   700   63.     60.   700   63.     60.   700   63.     63.   700   63.     700   700   63.     700   700   63.     700   700   63.     700   700   70.     700   70.   70.     700   70.   70.     700   70.   70.     700   70.   70.     700   70.   70.
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	CLU710/711 20.0° 85 % 3.4 cd/lm 1 White ents:	200 200 200 200 200 200 200 200 200 200
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CLU720/721 24.0° 90 % 2.4 cd/lm 1 White	30 - 32 - 02 - 12 - 25
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13723_MIRE	CLU720/721 32.0° 83 % 1.7 cd/lm 1 White ents:	200 200 200 200 200 200 200 200



### PHOTOMETRIC DATA (MEASURED):

CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE	CLU720/721 30.0° 82 % 1.8 cd/lm 1 White eents:		94 94 95 95 95 95 95 95 95 95 95 95 95 95 95
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13333_MIRE	CLU720/721 25.0° 85 % 2.5 cd/lm 1 White eents:		
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE	CXA/B 13xx 15.0° 81 % 5.4 cd/lm 1 White eents:		
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	CXA/B 13xx 12.0° 87 % 9.5 cd/lm 1 White		

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CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	CXA/B 13xx 12.0° 82 % 8.5 cd/lm 1 White ents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	CXA/B 15xx 20.0° 90 % 3.1 cd/lm 1 White ents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	CXA/B 15xx 16.0° 93 % 5.1 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	CXA/B 15xx 19.0° 84 % 4.3 cd/lm 1 White ents:	

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CREE <del>\$</del>	M	CN12433_0100012_5_2015_065_(CD31314)	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850		
FWHM	26.0°		
Efficiency	83 %		
Peak intensity	2.6 cd/lm		
LEDs/each optic			
Light colour	White		
Required compor			
C12479_MIRE	LLA-DL		
CREE <del>\$</del>		CI2415 MERCIAL PLAN AND AND A	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850		
FWHM	23.0°		
Efficiency	89 %		
Peak intensity	3.2 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compor	ients:		
	CXA/B 1816 & CXA/B 1820 & CXA 1850	GN3507.2078133.55.1-05.102410161	
FWHM	25.0°		
Efficiency	83 %		
Peak intensity	2.9 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compor			
C13333_MIRE	LLA-CL		
CREE <del>\$</del>	M		90 <sup>4</sup>
LED	MHD-E/G		
FWHM	20.0°		23
Efficiency	88 %		eo.
Peak intensity	3.3 cd/lm		
LEDs/each optic			
Light colour	White		55°
Required compor			2890
C12479_MIRE	LLA-DL		
			3200
			107 0° 15″

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### PHOTOMETRIC DATA (MEASURED):

FWHM Efficiency Peak intensity LEDs/each optic	MHD-E/G 16.0° 94 % 5 cd/lm 1 White	30, 32, 0, 12, 5, 20, 25, 5,
FWHM Efficiency Peak intensity LEDs/each optic	MHD-E/G 18.0° 89 % 4.2 cd/lm 1 White ents:	99* 99* 79: 99* 100 95* 100 95
FWHM Efficiency Peak intensity LEDs/each optic	MT-G2 18.0° 85 % 4.7 cd/lm 1 White ents:	
FWHM Efficiency Peak intensity LEDs/each optic	MT-G2 17.0° 92 % 5.5 cd/lm 1 White	99* 99 92 92 94 95 95 95 95 95 95 95 95 95 95 95 95 95

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CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	MT-G2 20.0° 85 % 3.7 cd/lm 1 White hents:	3v. X.
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	XHP50   14.0°   86 %   6.2 cd/lm   1   White   hents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	XHP50   17.0°   85 %   4.1 cd/lm   1   White   hents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XHP50 14.0° 92 % 7.2 cd/lm 1 White	



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13333_MIRE	XHP70 18.0° 86 % 4.8 cd/lm 1 White tents:	99° 92° 75° 72° 66° 1000 66° 70° 200 66° 80° 65°
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE	XHP70 19.0° 86 % 4 cd/lm 1 White eents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XHP70 17.0° 90 % 5.5 cd/lm 1 White	
C LG Innot LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C13333_MIRE	COB 4W 15.0° 85 % 6.3 cd/lm 1 White tents:	



🕒 LG Innot	ek	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE	COB 4W 17.0° 86 % 4.4 cd/Im 1 White ents:	
<b>ED</b> FWHM Efficiency Peak intensity LEDs/each optic Light colour	COB 4W 14.0° 91 % 6.7 cd/lm	
Required compon	EDS LUXEON CoB 1202/1203	29°
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
Etficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE	LUXEON CoB 1202/1203 23.0° 85 % 3.1 cd/lm 1 White ents:	500 500 500 500 500 500 500 500 500 500

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	EDS	50°
	LUXEON CoB 1202/1203	
FWHM	21.0°	75 72
Efficiency	86 %	
	3.6 cd/lm	603
LEDs/each optic		
	White	97* ez
Required compon		2430
C13333_MIREL		
	-	3200
		364 35
	EDS	10 <sup>1</sup> Bin 10 <sup>1</sup>
	LUXEON S1000	
FWHM	21.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required compon		
C12479_MIREL	LA-DL	-
	EDS	•
Louine		
LED	LUXEON S1000	
FWHM	17.0°	
Efficiency	%	
LEDs/each optic		
Light colour	White	
Required compon		
LED	LUXEON S1000	
FWHM	14.0°	
Efficiency	84 %	
Peak intensity	5.5 cd/lm	
LEDs/each optic		
Light colour	White	
Required compon		
C13333_MIREL	LA-CL	



### PHOTOMETRIC DATA (MEASURED):

LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE	CxM-9 (13.5x13.5) 24.0° 84 % 2.7 cd/lm 1 White ents:	200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	CxM-9 (13.5x13.5) 21.0° 90 % 3.6 cd/lm 1 White	90° 72° 900 900 900 900 900 900 900 900 900 90
<b>WICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon C12479_MIRE		90 <sup>4</sup> 77 64 67 67 67 67 500 500 500 67 67 67 67 67 67 67 67 67 67 67 67 67
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	200 200 200 200 200 200 200 200

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ØΝΙCΗΙΛ		50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	White ents:	200 200 200 200 200 200 200 200 200 200
<b>WNICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	34 125 05 124 247
EFWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE		30° 91° 75° 50° 60° 60° 60° 60° 75° 75° 60° 75° 75° 75° 75° 75° 75°
<b>WICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	200 - 27 - 200



<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NSCxL036A	75*
FWHM	17.0°	
Efficiency	84 %	60°
Peak intensity	5 cd/lm	
LEDs/each optic		
Light colour	White	43°
Required compor		
C13333_MIRE	LA-CL	
		4600
		30° 30° 30° 30°
OSRAM Opto Semiconductors		
LED	Duris S10	
FWHM	15.0°	
Efficiency	83 %	
Peak intensity	6.7 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		
C13333_MIRE		
OSRAM Opto Semiconductors		
LED	Duris S10	
FWHM	20.0°	
Efficiency	81 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic		
Light colour	White	
Required compor		
C12479_MIRE		
0000414		 
OSRAM Opto Semiconductors		
LED	Duris S10	
FWHM	15.0°	
Efficiency	89 %	
Peak intensity	6.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compor	ents:	



Osram Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	White ents:	50° 50° 50° 50° 50° 50° 50° 50°
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	White ents:	30,   12,   0,   12,   0,     20,   100,   66,   66,   66,     30,   90,   90,   66,   96,     30,   90,   90,   90,   90,
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	99 <sup>1</sup> 97 <sup>2</sup> 97 <sup>2</sup> 90 <sup>4</sup> 90 <sup>4</sup> 9
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	White energy and the second se	500 500 500 500 500 500 500 500 500 500



seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	200 90° 100
SEOUL		
stout semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13333_MIRE	White ents:	5°* 5° 5°* 5° 6°* 500 6° 6°* 500 6° 500 6° 500 6° 6° 500 6°
	<b>~</b>	
SHA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C12479_MIRE	Mini Zenigata (GW5BM) 20.0° 86 % 3.5 cd/lm 1 White eents:	20 20 20 20 20 20 20 20 20 20
SHA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Mini Zenigata (GW5BM) 17.0° 92 % 4.8 cd/Im 1 White	3 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5

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SHA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compose C12479_MIRE	Mini Zenigata (GW6BM) 20.0° 84 % 3.2 cd/lm 1 White hents:	54 10° 6° 6°
SHA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compos	Mini Zenigata (GW6BM) 17.0° 91 % 4.8 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27



### PHOTOMETRIC DATA (SIMULATED):

M LUMILE	DS	90* 90*
LED	LUXEON V	
FWHM	7.7°	75°
Efficiency	89 %	
Peak intensity	18.7 cd/lm	60°
LEDs/each optic	1	
Light colour	White	47° 47°
Required componer		22000
		$\times$ / $\times$ /
		30° 30° 30°
		15° 0° 15°
OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 7070	
FWHM	11.0°	78'
Efficiency	91 %	
Peak intensity	12.2 cd/lm	$ \times / / $
LEDs/each optic	1	600
Light colour	White	gr / / / er
Required componer	nts:	
		9630
		30" 30"
		15° 1200 15°
OCDAM		
Opto Semiconductors		90* 90*
OSRAM Opto Semiconductors	Solerig S9	<u>89*</u>
OSRAM Opto Semiconductors LED FWHM	Soleriq S9 20.0°	20 00 00 00 00 00 00 00 00 00 00 00 00 0
LED FWHM		
LED FWHM Efficiency	20.0°	64
LED FWHM	20.0° 87 %	66. 200 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity	20.0° 87 % 3.9 cd/lm	8° 80 80 80 80 80 80 80 80 80 80 80 80 80
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	20.0° 87 % 3.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	20.0° 87 % 3.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	20.0° 87 % 3.9 cd/lm 1 White	¢. 259 ¢.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	20.0° 87 % 3.9 cd/lm 1 White	er 500 500 500 500 500 500 500 500 500 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL	20.0° 87 % 3.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL	er 500 500 500 500 500 500 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSERAM Optic Semiconductors LED FWHM	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0°	54 <sup>4</sup> 520 50 <sup>4</sup> 50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSRAM Opto Semiconductors LED FWHM Efficiency	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 %	54 <sup>4</sup> 520 50 <sup>4</sup> 50 50 50 50 50 50 50 50 50 50 50 50 50 5
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSCRAM Opto Semiconductors LED FWHM Efficiency Peak intensity	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm	500 500 500 500 500 500 500 500 500 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSSRAM Optio Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	20.0° 87 % 3.9 cd/lm 1 White nts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm 1	250 250 250 250 250 250 250 250 250 250
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSERAM Optic Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm 1 White	250 250 250 250 250 250 250 250 250 250
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm 1 White hts:	500 500 500 500 500 500 500 500 500 500
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSERAM Optic Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm 1 White hts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm 1 White hts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer C13333_MIRELL OSSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	20.0° 87 % 3.9 cd/lm 1 White hts: A-CL Soleriq S9 21.0° 86 % 3.4 cd/lm 1 White hts:	

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### PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		50 <sup>4</sup>
LED	Soleriq S9	25 27
FWHM	19.0°	
Efficiency	91 %	
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (
Required componen	ts:	800
		300



#### **GENERAL INFORMATION:**

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

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.

#### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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