

# PRODUCT DATASHEET CS16838\_VICTORIA-IP-W

# **VICTORIA-IP-W**

~60° wide beam. Ingress protected version.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 300.0 mm
Height	18.1 mm
Fastening	screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes 🛈



## MATERIAL SPECIFICATIONS:

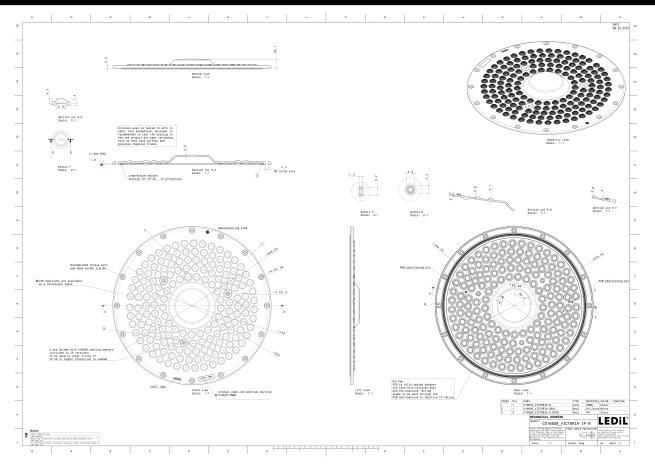
Component	Туре	Material	Colour	Finish
VICTORIA-W	Multi-lens	PMMA	clear	
VICTORIA-SEAL	Seal	Silicone	clear	
VICTORIA-O-RING	Seal	Silicone	milky	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16838_VICTORIA-IP-W	Multi-lens	34	34	34	9.4
» Box size: 343 x 343 x 298 mm					



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



### **PHOTOMETRIC DATA (MEASURED):**

		50 <sup>4</sup>
LED	Victoria-PCB	75
FWHM / FWTM	66.0° / 92.0°	200
Efficiency	92 %	607
Peak intensity	0.8 cd/lm	
LEDs/each optic	2	400-1
Light colour	White	g,
Required compone	nts:	20- 00-
SAMSI	JNG	15 <sup>5</sup> 0 <sup>4</sup> 15 <sup>5</sup>
LED	HiLOM HCF0 (LH181B)	
FWHM / FWTM	56.0° / 82.0°	75
Efficiency	94 %	
Peak intensity	1.1 cd/lm	60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	at at
Required compone		
		30* 31*
слас		<u> </u>
SAMSI	JNG	50° 50°
LED	LH181B	
FWHM / FWTM	56.0° / 82.0°	
Efficiency	94 %	60- 60-
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required compone		24 <sup>2</sup> 25 <sup>4</sup> 25 <sup>4</sup> 25 <sup>4</sup>
SAMS	JNG	50° 50°
LED	LH508A	
FWHM / FWTM	66.0° / 92.0°	73.
Efficiency		
=	94 %	
Peak intensity		69
	94 %	200 95*
Peak intensity LEDs/each optic Light colour	94 % 0.8 cd/lm 1 White	500
Peak intensity LEDs/each optic	94 % 0.8 cd/lm 1 White	



## PHOTOMETRIC DATA (SIMULATED):

		93 <sup>4</sup>
LED	J Series 2835	75* 75*
FWHM / FWTM	70.0° / 83.0°	_ 200
Efficiency	95 %	60°
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	
Light colour	White	
Required components:		
		30° 15° 31°
		50° 50°
LED	J Series 5050 Round LES	
FWHM / FWTM	66.0° / 82.0°	73° 200
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	5° 65°
Required components:		600
		800
		300 320
		45° 0° 35°
	DS	8° 0° 55°
	LUXEON 2835 Line	99 <sup>4</sup> 99 <sup>2</sup>
		25. 26. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25
LED FWHM / FWTM	LUXEON 2835 Line	
LED FWHM / FWTM Efficiency	LUXEON 2835 Line 68.0° / 80.0°	64 60 60 59 59 50 50 50 50 50 50 50 50
LED FWHM / FWTM	LUXEON 2835 Line 68.0° / 80.0° 95 %	60 60 90 90 107 0 107 0 107 107 107 107 1
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1	g g g g g g g g g g g g g g g g g g g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1	av av   av av   av av   av av   av av
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White S LUXEON 2835 Line	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>DS</b> LUXEON 2835 Line 74.0° / 93.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White S LUXEON 2835 Line 74.0° / 93.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>S</b> LUXEON 2835 Line 74.0° / 93.0° 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>S</b> LUXEON 2835 Line 74.0° / 93.0° 94 % 0.7 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>S</b> LUXEON 2835 Line 74.0° / 93.0° 94 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>S</b> LUXEON 2835 Line 74.0° / 93.0° 94 % 0.7 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>S</b> LUXEON 2835 Line 74.0° / 93.0° 94 % 0.7 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 68.0° / 80.0° 95 % 1 cd/lm 1 White <b>S</b> LUXEON 2835 Line 74.0° / 93.0° 94 % 0.7 cd/lm 2	



## PHOTOMETRIC DATA (SIMULATED):

<b>Μ</b> ΝΙCΗΙΛ		50° 50°
LED	NFMW48xA	
FWHM / FWTM	68.6° / 85.2°	75'
Efficiency	91 %	- 200
Peak intensity	0.9 cd/lm	60°
LEDs/each optic	1	400
Light colour	White	g,
Required components:		And And And
		30° 33°
		15° 0° 15°
OSRAM Opto Semiconductors		90* 90*
LED	Duris E 2835	
FWHM / FWTM	68.0° / 81.0°	
Efficiency	95 %	60°
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	er er
Required components:		
		800
		30.
1		15° 0° 15°
OSRAM		135 0 <sup>6</sup> 155
OSRAM Opto Semiconductors		99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
Opto Semiconductors	Duris S8	<u>31</u> <u>91</u> <u>121</u> <u>01</u> <u>121</u> <u>01</u> <u>121</u> <u>01</u> <u>121</u>
Opto Semiconductors LED FWHM / FWTM	70.0° / 87.0°	
Opto Semiconductors LED FWHM / FWTM Efficiency	70.0° / 87.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	70.0° / 87.0° 94 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0° / 87.0° 94 % 0.8 cd/lm 1	73° 200
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0° / 87.0° 94 % 0.8 cd/lm 1	73° 66° 66°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm 1	73° 66° 66°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm 1	73° 66° 66°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm 1	797 200
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0° / 87.0° 94 % 0.8 cd/lm 1 White	73° 66° 66°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0° / 87.0° 94 % 0.8 cd/lm 1 White	73° 200
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	70.0° / 87.0° 94 % 0.8 cd/lm 1 White	200 200 000 000 000 000 000 000
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0°	73° 200
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 %	200 200 000 000 000 000 000 000
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMNSUN</b> LED FWHM / FWTM Efficiency Peak intensity	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 % 0.9 cd/lm	200 200 000 000 000 000 000 000
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 % 0.9 cd/lm 1	21 21 21 20 20 20 20 20 20 20 20 20 20
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 % 0.9 cd/lm	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 % 0.9 cd/lm 1	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 % 0.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 87.0° 94 % 0.8 cd/lm 1 White LH231B 68.0° / 81.0° 95 % 0.9 cd/lm 1	



# PHOTOMETRIC DATA (SIMULATED):

SAMSUN	IG	90° 99°
LED	LM28xB Series	
FWHM / FWTM	69.0° / 82.0°	75 73
Efficiency	95 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		800
		300 100 100 30
SEOUL		
SEOUL SEMICONDUCTOR		90* 90'
LED	SEOUL DC 3528	75.
FWHM / FWTM	70.0° / 84.0°	200
Efficiency	95 %	60 60
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e.,
Required components:		
		80
		30° 15° 0°
SECUL		90* 90*
LED	SEOUL DC 3528	
FWHM / FWTM	65.0° / 80.0°	75.
Efficiency	96 %	
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	er / er
Required components:		
		36° 36, 36, 36,
SEOUL		20 <sup>4</sup> 15 <sup>7</sup> 0 <sup>1</sup> 15 <sup>9</sup> 30
SEOUL SEMICONDUCTOR		30 <sup>4</sup> 30 30 30 30   90 <sup>4</sup> 90 10 <sup>2</sup> 30 30
seoul semiconductor LED	SEOUL DC 3528	32, 32,
seoul semiconductor LED FWHM / FWTM	70.0° / 90.0°	30° 30° 30° 30°
seoul semiconductor LED FWHM / FWTM Efficiency	70.0° / 90.0° 95 %	20 <sup>10</sup> 200 200 200 200 200 200 200 200 200 2
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	70.0° / 90.0° 95 % 0.8 cd/lm	20 <sup>10</sup> 200 20 20 20 20 200 200 200 200
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0° / 90.0° 95 % 0.8 cd/lm 2	200 (0)
scoul semiconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 90.0° 95 % 0.8 cd/lm	20 <sup>4</sup> 12 <sup>4</sup> 20 20 20 20 20 40 20 20 20 20 20 20 20 20 20 2
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	70.0° / 90.0° 95 % 0.8 cd/lm 2	200 (0)
seoul semiconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 90.0° 95 % 0.8 cd/lm 2	200 (0)
seoul semiconbuctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	70.0° / 90.0° 95 % 0.8 cd/lm 2	200 (0)



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### **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.

### 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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#### LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

### LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

### Local sales and technical support www.ledil.com/ where\_to\_buy

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