

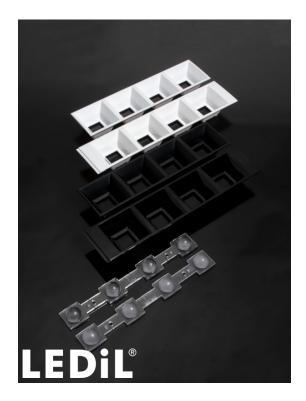
# DAISY-4X1-W

~50° wide beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	182.0 x 40.0 mm
Height	20.2 mm
Fastening	pin, screw, clips
ROHS compliant	yes 🛈

# PRODUCT DATASHEET DAISY-4X1-W



#### MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
C16588_DAISY-4X1-W	Linear lens	PMMA	clear	
C16590_DAISY-4X1-SHD	Shade	PC-ABS	black	gloss
C16784_DAISY-4X1-SHD-WHT	Shade	PC	white	gloss
C17422_DAISY-4X1-SHD2-MATT	Shade	PC	black	matt
C17423_DAISY-4X1-SHD2-WHT-MATT	Shade	PC	white	matt
C17528_DAISY-4X1-SHD-MET	Shade	PC	metal	gloss
C17535_DAISY-4X1-SHD2-MET-MATT	Shade	PC	metal	matt

#### **ORDERING INFORMATION:**

#### Quantities for one set:

Linear lens	1
Shade	1

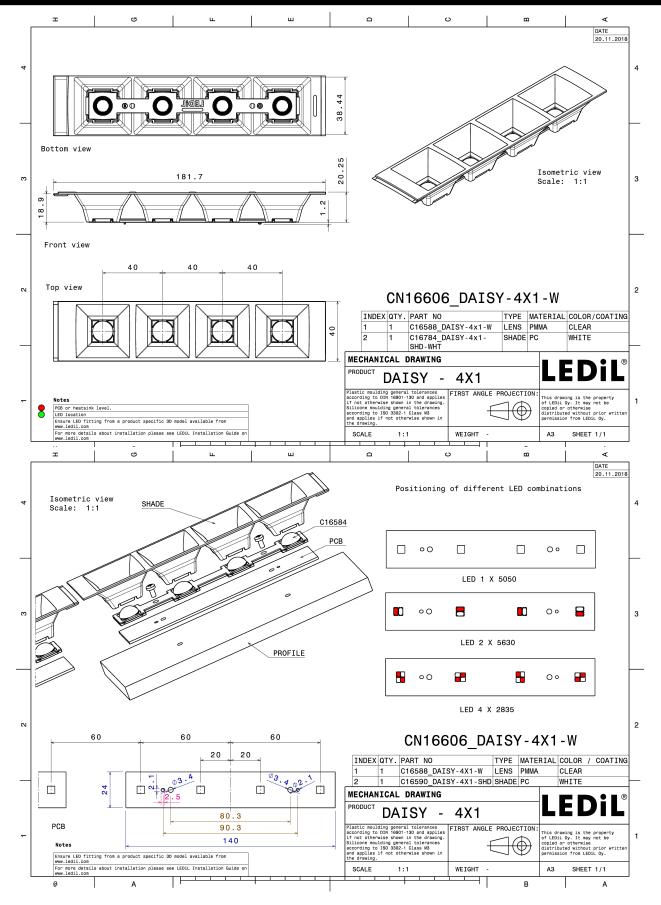


# PRODUCT DATASHEET DAISY-4X1-W

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16588_DAISY-4X1-W » Box size: 480 x 280 x 300 mm	Linear lens	504	336	21	6.3
C16784_DAISY-4X1-SHD-WHT _> Box size: 480 x 280 x 300 mm	Shade	168	336	42	8.6
C17535_DAISY-4X1-SHD2-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.1
C17422_DAISY-4X1-SHD2-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	8.2
C17423_DAISY-4X1-SHD2-WHT-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.4
C16590_DAISY-4X1-SHD » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.3
C17528_DAISY-4X1-SHD-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.7



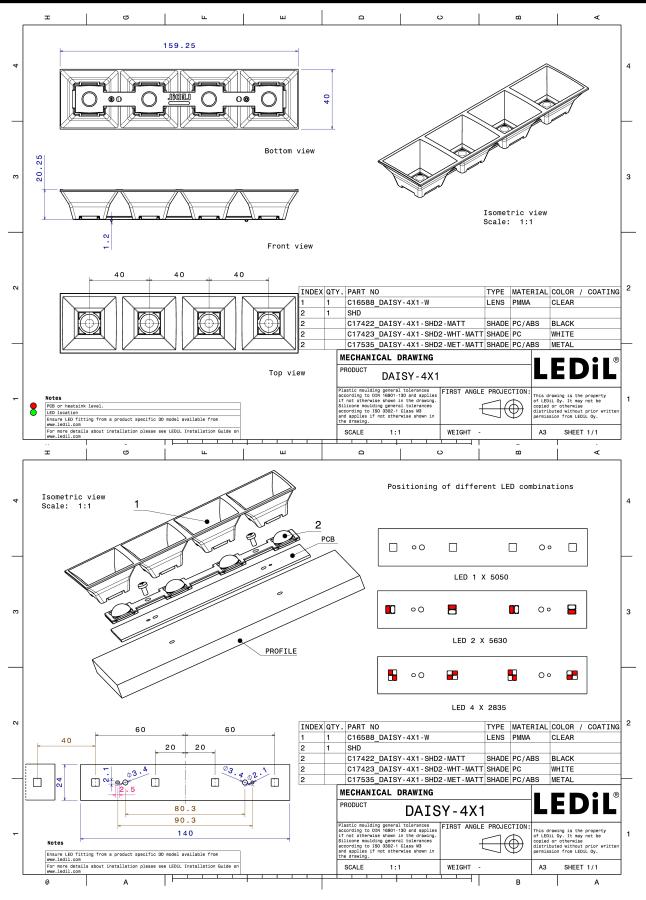
# PRODUCT DATASHEET DAISY-4X1-W



Last update: 16/08/2021Subject to change without prior noticePublished: 21/11/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.3/19

# PRODUCT DATASHEET DAISY-4X1-W

# 



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

Last update: 16/08/2021Subject to change without prior noticePublished: 21/11/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.4/19



-		
AUDAX ELECTRONICS		90* 90
	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.0° / 78.0°	75.
Efficiency	93 %	
Peak intensity	1 cd/lm	60° 60°
LEDs/each optic	4	
Light colour	+ White	82* 85
Required compone		
	-4X1-SHD2-MET-MATT	
		30° 30° 30° 30°
AUDAX ELECTRONICS		90° 90°
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.0° / 78.0°	73
Efficiency	94 %	
Peak intensity	1 cd/lm	400
LEDs/each optic	4	
Light colour	White	45+
Required compone	ents:	
C17528_DAISY		
		30°
		15° 0° 15°
		90* 90'
AUDAX ELECTRONICS	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
AUDAX ELECTRONICS LED FWHM / FWTM	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 64.0° / 78.0°	99° 99 75° 29
LED FWHM / FWTM	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 64.0° / 78.0° 94 %	99° 99'
LED FWHM / FWTM Efficiency	64.0° / 78.0°	
LED FWHM / FWTM	64.0° / 78.0° 94 %	60 <sup>4</sup> 60 <sup>4</sup> 50 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity	64.0° / 78.0° 94 % 0.9 cd/lm	91 92 91 92 91 92 92 92 92 92 92 92 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	64.0° / 78.0° 94 % 0.9 cd/lm 4 White	9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>2</sup> 9 <sup>1</sup> 9 <sup>2</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	64.0° / 78.0° 94 % 0.9 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents:	32 32   57 50   64 60   70 60   70 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5° 88 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5° 88 % 0.9 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD2-WHT-MATT LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5° 88 % 0.9 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	64.0° / 78.0° 94 % 0.9 cd/lm 4 White white UGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5° 88 % 0.9 cd/lm 4 White white Mite	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY C17423_DAISY EFFICIENCY FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	64.0° / 78.0° 94 % 0.9 cd/lm 4 White white UGHT ENGINE DAISY 16 LEDs 156mm x 20mm 63.0° / 77.5° 88 % 0.9 cd/lm 4 White white Mite	



AUDAX		a^\$
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	75*
FWHM / FWTM	64.0° / 78.0°	
Efficiency	94 %	60 <sup>4</sup> 60
Peak intensity	0.9 cd/lm	400
LEDs/each optic	4	
Light colour	White	e e
Required compone		
C16784_DAISY	-4X1-SHD-WHT	
		30. 30
AUDAX ELECTRONICS		15° 0° 35°
ELECTRONICS		90* 90
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	75
FWHM / FWTM	63.0° / 77.0°	200
Efficiency	88 %	60 <sup>6</sup>
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	454 660
Required compone	nts:	
C16590_DAISY	-4X1-SHD	
		30° 30
		15°
MST Your solu	tions	90° 90
LED		90 <sup>+</sup>
	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0°	275
LED	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1	
LED FWHM / FWTM	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0°	
LED FWHM / FWTM Efficiency	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 %	99 <sup>4</sup> 97 73 <sup>5</sup> 75 99 <sup>4</sup> 600 60
LED FWHM / FWTM Efficiency Peak intensity	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White	97 75 90 40 40 40 40 40 40 40 40 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints:	99* 9 75 99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints:	99 <sup>4</sup> 75 <sup>5</sup> 75 <sup>5</sup> 75 <sup>5</sup> 76 <sup>6</sup> 76 <sup>6</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints:	25 25 25 25 25 25 25 25 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ents: -4X1-SHD	91 <sup>4</sup> 92 <sup>5</sup> 95 <sup>5</sup> 96 <sup>6</sup> 96 <sup>6</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ents: -4X1-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ints: -4X1-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ints: -4X1-SHD	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ints: -4X1-SHD tions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ints: -4X1-SHD tions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ints: -4X1-SHD tions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY MOUT SOLU EDS FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints: -4X1-SHD LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 % 0.9 cd/lm 4 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY MSST LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints: -4X1-SHD LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 % 0.9 cd/lm 4 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY MSST LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints: -4X1-SHD tions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 % 0.9 cd/lm 4 Tunable White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White Ints: -4X1-SHD tions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 % 0.9 cd/lm 4 Tunable White ints:	





MOT		
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17528_DAISY-	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 64.5° / 79.0 + 78.5° 93 % 0.9 cd/lm 4 Tunable White ints:	9°
KANNE AND A CONTRACT OF CONTRACT.	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 94 % 0.9 cd/lm 4 Tunable White	25 <u>19</u> 20 20 20 20 20 20 20 20 20 20 20 20
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 79.0 + 78.0° 88 % 0.9 cd/lm 4 Tunable White	
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 94 % 0.9 cd/lm 4 Tunable White ints:	





MST Your solut	tions	30* 90*
LED FWHM / FWTM Efficiency Peak intensity	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 79.0 + 78.0° 88 % 0.9 cd/lm	23 - 20 - 60 - 400
LEDs/each optic	4	
Light colour	Tunable White	
Required compone C16590_DAISY		900 900 127 00 137
MST Your solut	ions	90*
LED	LinLED 156x28mm 400lm 8x0 2C 12V Opt G1	25*
FWHM / FWTM	56.0° / 75.0°	
Efficiency	90 %	60* 60
Peak intensity	1.2 cd/lm	
LEDs/each optic	2	
Light colour	White	43.4 A
Required compone		
C16590_DAISY-	-4X1-SHD	
		36° 1200 30'
MST Your solut	tions	90 <sup>4</sup> 90 <sup>4</sup>
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	75*
FWHM / FWTM	64.0 + 63.5° / 79.0 + 77.5°	200
Efficiency	93 %	604 60
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	45° 660 65
Required compone C17528_DAISY		30 <sup>4</sup> 25 <sup>4</sup> 1400 25 <sup>4</sup> X
MST Your solut	ions	50°
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 79.5 + 78.5°	200
Efficiency	93 %	60 <sup>4</sup> 60
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	45* A
Required compone		
C17423_DAISY-	-4X1-SHD2-WHT-MATT	60
		30° 15° 36



MOT		
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5° 93 % 0.9 cd/lm 4 White nts:	
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.0° / 79.0 + 77.5° 87 % 0.9 cd/lm 4 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5° / 79.0 + 77.5° 88 % 0.9 cd/lm 4 White nts:	
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17537_DAISY	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 % 0.9 cd/lm 4 White	



	NF2W757G-MT (Tunable White)	
FWHM / FWTM	53.0° / 74.0°	
Efficiency	96 %	605 605
Peak intensity	1.3 cd/lm	
LEDs/each optic		
Light colour	Tunable White	
Required compone C16784_DAISY		
		30° 320 30° 0° 15° 30
ØNICHI/		90* 90
LED	NF2W757G-MT (Tunable White)	
FWHM / FWTM	53.0° / 73.0°	
Efficiency	91 %	eo <sup>o</sup> 400
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	9° 000 000 000
Required compone		
C16590_DAISY	4X1-SHD	344 350
SAMSI	JNG	239 <sup>1</sup> 0 <sup>1</sup> 139 <sup>1</sup>
LED	LM28xB Series	
FWHM / FWTM	54.0° / 73.0°	751
Efficiency	91 %	400
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 65'
Required compone C17422_DAISY	nts: -4X1-SHD2-MATT	220 20 <sup>4</sup> 25 <sup>7</sup> 9 <sup>4</sup> 25 <sup>7</sup>
SAMSI	JNG	90 <sup>4</sup>
LED	LM28xB Series	75-
LED FWHM / FWTM	64.0° / 77.0°	75 200
LED FWHM / FWTM Efficiency	64.0° / 77.0° 89 %	64
LED FWHM / FWTM Efficiency Peak intensity	64.0° / 77.0° 89 % 0.9 cd/lm	20 50 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	64.0° / 77.0° 89 % 0.9 cd/lm 4	25 - 260 - 55 69
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	64.0° / 77.0° 89 % 0.9 cd/lm 4 White	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	64.0° / 77.0° 89 % 0.9 cd/lm 4 White nts:	61 10 10 10 10 10 10 10 10 10 1



SAMS	UNG	50 <sup>4</sup> 50 <sup>0</sup>
LED	LM28xB Series	
FWHM / FWTM	55.0° / 73.0°	
Efficiency	91 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	2	
Light colour	White	
Required compone	ents:	
C16590_DAISY	-4X1-SHD	
		20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>7</sup>
SAMS	UNG	2 <sup>1</sup>
LED	LM28xB Series	
FWHM / FWTM	64.0° / 78.0°	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	
Required compone	ents:	
C16784_DAISY	-4X1-SHD-WHT	
		345 35
SAMS		
LED	LM28xB Series	
FWHM / FWTM	56.0° / 75.0°	
Efficiency	94 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	2 White	
Light colour		
Required compone	-4X1-SHD-WHT	
C10704_DAIS1	-471-3110-10111	
		20 <sup>10</sup> 20 <sup>10</sup> 20 <sup>10</sup>
SEOUL SEOUL SEMICONDUCTOR		99*
LED	SEOUL DC 3030	
FWHM / FWTM	65.0° / 78.0°	
Efficiency	86 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	Tunable White	
Required compone	ents:	
Required compone		
C16590_DAISY	-4X1-SHD	
	-4X1-SHD	
	-4X1-SHD	*





SEOUL		50*
LED	SEOUL DC 3030	
FWHM / FWTM	66.0° / 79.0°	
Efficiency	92 %	eur
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	Tunable White	et de la companya de
Required compone		
C16784_DAISY	-4X1-SHD-WHT	
		30° 30° 30°
SEOUL		50°
SEOUL SEMICONDUCTOR	SEOUL DC 3528	
FWHM / FWTM	56.0° / 75.0°	
Efficiency	90 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	2	
Light colour	White	e
Required compone	ents:	
C16590_DAISY	-4X1-SHD	
SEOUL		50'
SEOUL SEMICONDUCTOR	SEOUL DC 3528	
FWHM / FWTM	54.0° / 74.0°	
Efficiency	90 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	2	
Light colour	White	gr de ar
Required compone	ents:	
C16590_DAISY	-4X1-SHD	
		30-
	12	20 V
FWHM / FWTM	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC 69.0° / 84.0°	
Efficiency	91 %	
Peak intensity	0.8 cd/lm	61
LEDs/each optic	4	
Light colour	- White	gr
Required compone		
	-4X1-SHD2-WHT-MATT	
		60
		157 00 15.



	IP	30*	90*
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC		
FWHM / FWTM	69.0° / 81.0 + 82.0°	73	75
Efficiency	83 %		$\langle \langle \rangle \rangle$
Peak intensity	0.8 cd/lm		60.
LEDs/each optic	4		
Light colour	White		
Required compone			
	-4X1-SHD2-MATT		
		200 135 <sup>°</sup> 0 <sup>°</sup>	12°
		90°	90°
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC		
FWHM / FWTM	69.0° / 83.0°		75
Efficiency	92 %	200-200-200-200-200-200-200-200-200-200	
Peak intensity	0.8 cd/lm		$\sim$
LEDs/each optic	4		
Light colour	White	54	45°
Required compone	nts:		
C16784_DAISY			
		30.	34.
	12		35°
LED FWHM / FWTM	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC 69.0° / 81.0°	75	
Efficiency	82 %		K > /
Peak intensity	0.8 cd/lm	<sup>201</sup>	e6.
LEDs/each optic	4		$\sim$
Light colour			45*
Light colour Required compone	White nts:	Ž	43°
Required compone	nts:		
	nts:		æ.
Required compone	nts:		6.
Required compone C16590_DAISY	nts: -4X1-SHD	20 40 20 <sup>4</sup> 20 20 <sup>4</sup> 20	15° 8°
Required compone C16590_DAISY	nts: -4X1-SHD	2 40 40 50 <sup>4</sup> 50 50 <sup>4</sup> 50 50 <sup>4</sup>	12° - 20'
Required compone C16590_DAISY	nts: -4X1-SHD		<u>12,</u> 24, 24, 24, 24, 24, 24, 24, 24, 24, 24,
Required compone C16590_DAISY	nts: -4X1-SHD	7	
Required compone C16590_DAISY	nts: -4X1-SHD IIC LLE 24x140mm 400lm 827-865 LVD ADV1		
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency	nts: -4X1-SHD IIC LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0°	7	
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity	nts: -4X1-SHD NIC LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0° 88 %	7	
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	nts: -4X1-SHD NIC LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0° 88 % 0.9 cd/lm	7	15° - 10°
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	nts: -4X1-SHD NIC LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0° 88 % 0.9 cd/lm 4 White	7	12° 12°
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	nts: -4X1-SHD LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0° 88 % 0.9 cd/lm 4 White nts:	7	12°
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	nts: -4X1-SHD LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0° 88 % 0.9 cd/lm 4 White nts:	7	20 10 10 10 10 10 10 10 10 10 1
Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	nts: -4X1-SHD LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 79.0° 88 % 0.9 cd/lm 4 White nts:	7	





TRIDO	NIC	55*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	LLE 24x140mm 400lm 827-865 LVD ADV1 66.0° / 80.0° 94 % 0.9 cd/lm 4 White ents:	
TRIDON		90 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 79.0° 88 % 0.8 cd/lm 4 White ents:	
TRIDON	NIC	55 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 80.0° 94 % 0.9 cd/lm 4 White ents: -4X1-SHD-WHT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LLE 24x280mm 750lm 8x0 LVD ADV1 66.0° / 79.0° 88 % 0.9 cd/lm 4 White ents:	



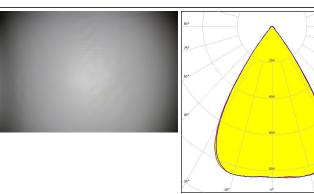


# **TRIDONIC**

LED

FWHM / FWTM Efficiency Peak intensity LEDs/each optic 4 Light colour Required components: C16784\_DAISY-4X1-SHD-WHT

LLE 24x280mm 750lm 8x0 LVD ADV1 66.0° / 80.0° 94 % 0.9 cd/lm White





# PHOTOMETRIC DATA (SIMULATED):

		50°
LED	J Series 2835	
FWHM / FWTM	50.0° / 72.0°	787
Efficiency	88 %	400
Peak intensity	1.4 cd/lm	50° - 50°
LEDs/each optic	1	
Light colour	White	ger 000
Required components:		
C17422_DAISY-4X1		
		30%
		135 <sup>5</sup> 0 <sup>6</sup> 35 <sup>5</sup>
		90°
LED	J Series 5050 Round LES	
FWHM / FWTM	52.0° / 74.0°	
Efficiency	89 %	60.
Peak intensity	1.3 cd/lm	$1 \times \sqrt{2}$
LEDs/each optic	1	
Light colour	White	95* 950 95
Required components:		
C17422_DAISY-4X1	I-SHD2-MATT	
		1230
		30° 30°
		15° 0° 15°
	DS	90 <sup>4</sup> 90 <sup>4</sup> 35 <sup>4</sup>
		90° 90' 90'
LUMILE	DS LUXEON 5050 Round LES 54.0° / 69.0°	25 0 <sup>4</sup> 15 <sup>5</sup>
LED	LUXEON 5050 Round LES	20 <sup>4</sup> 20 <sup>4</sup> 10 <sup>4</sup> 20 <sup>4</sup>
LED FWHM / FWTM	LUXEON 5050 Round LES 54.0° / 69.0°	
LED FWHM / FWTM Efficiency	LUXEON 5050 Round LES 54.0° / 69.0° 92 %	99 <sup>4</sup> 99 <sup>4</sup> 9
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm	25 <sup>4</sup> 6 <sup>3</sup> 15 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/Im 1 White	25 <sup>4</sup> 25 <sup>4</sup> 26 <sup>4</sup> 26 <sup>4</sup> 26 <sup>4</sup> 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White	25 <sup>1</sup> 0 <sup>2</sup> 15 <sup>2</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White	25 <sup>4</sup> 0 <sup>4</sup> 15 <sup>4</sup> 99 <sup>4</sup> 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White)	22 <sup>4</sup> 24 25 26 27 27 27 40 50 50 50 50 50 50 50 50 50 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White) 56.0° / 76.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White) 56.0° / 76.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White) 56.0° / 76.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1 C16590_DAISY-4X1 Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White NF2W757G-MT (Tunable White) 56.0° / 76.0° 91 % 1.2 cd/lm 2	20 <sup>5</sup> 10 <sup>5</sup> 20 90 <sup>4</sup> 90 90 <sup>4</sup> 90 00 <sup>4</sup> 00 00 <sup>4</sup> 00 <sup>4</sup> 00 00 <sup>4</sup> 00 00 <sup>4</sup> 00 <sup>4</sup> 00 00 <sup>4</sup> 00 <sup>4</sup> 00 00 <sup>4</sup> 00 <sup>4</sup> 00 <sup>4</sup> 00 <sup>4</sup> 00 00 <sup>4</sup> 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White NF2W757G-MT (Tunable White) 56.0° / 76.0° 91 % 1.2 cd/lm 2 Tunable White	25 <sup>5</sup> 15 <sup>5</sup> 50 <sup>4</sup> 72 <sup>5</sup> 60 <sup>4</sup> 60 <sup>4</sup> 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1 <b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White) 56.0° / 76.0° 91 % 1.2 cd/lm 2 Tunable White	25 <sup>5</sup> 15 <sup>5</sup> 50 <sup>4</sup> 72 <sup>5</sup> 60 <sup>4</sup> 60 <sup>4</sup> 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White) 56.0° / 76.0° 91 % 1.2 cd/lm 2 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: C16590_DAISY-4X1 <b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 54.0° / 69.0° 92 % 1.5 cd/lm 1 White I-SHD NF2W757G-MT (Tunable White) 56.0° / 76.0° 91 % 1.2 cd/lm 2 Tunable White	20 <sup>5</sup> 0 <sup>2</sup> 0 50 <sup>4</sup> 70 10 10 10 10 10 10 10 10 10 1



# PHOTOMETRIC DATA (SIMULATED):

<b>MNICHIA</b>		994
LED	NF2W757G-MT (Tunable White)	
FWHM / FWTM	62.0° / 78.0°	
Efficiency	90 %	90 <sup>4</sup>
Peak intensity	1 cd/lm	
LEDs/each optic	4	
Light colour	Tunable White	<i>9</i> <sup>2</sup>
Required components		
C16590_DAISY-42	K1-SHD	
		10 <sup>1</sup> 10 <sup>1</sup>
<b>Μ</b> ΝΙCΗΙΛ		
LED	NF2x757G	
FWHM / FWTM	50.0° / 72.0°	75
Efficiency	92 %	400
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components	5:	
C16590_DAISY-4	K1-SHD	1220
		34
		10 <sup>+</sup> <u>\$</u> 0 10 <sup>-</sup>
MICHIΛ		50*
LED	NF2x757G	75"
FWHM / FWTM	60.0° / 77.0°	
Efficiency	90 %	60 <sup>6</sup> 400
Peak intensity	1.1 cd/lm	
LEDs/each optic	4	
LEDs/each optic Light colour	White	7
LEDs/each optic Light colour Required components	White S:	
LEDs/each optic Light colour	White S:	57
LEDs/each optic Light colour Required components	White S:	7
LEDs/each optic Light colour Required components C16590_DAISY-4)	White S:	
LEDs/each optic Light colour Required components C16590_DAISY-43	White S:	
LEDs/each optic Light colour Required components C16590_DAISY-43	White s: k1-SHD	
LEDs/each optic Light colour Required components C16590_DAISY-43 Opto Semiconductors LED	White S:	
LEDs/each optic Light colour Required components C16590_DAISY-4) Opto Semiconductors LED FWHM / FWTM	White s: k1-SHD Duris S8	
LEDs/each optic Light colour Required components C16590_DAISY-4) Opto Semiconductors LED FWHM / FWTM Efficiency	White s: K1-SHD Duris S8 52.0° / 73.0°	
LEDs/each optic Light colour Required components C16590_DAISY-4) Optio Semiconductors LED FWHM / FWTM Efficiency Peak intensity	White s: K1-SHD Duris S8 52.0° / 73.0° 91 %	
LEDs/each optic Light colour Required components C16590_DAISY-4) OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White s: (1-SHD Duris S8 52.0° / 73.0° 91 % 1.4 cd/lm	
LEDs/each optic Light colour Required components C16590_DAISY-43	White s: (1-SHD Duris S8 52.0° / 73.0° 91 % 1.4 cd/lm 1 White	
LEDs/each optic Light colour Required components C16590_DAISY-43 C16590 C16590_DAISY-43 C16590 C16590_DAISY-43 C16590_DAISY-43 C16590	White s: K1-SHD Duris S8 52.0° / 73.0° 91 % 1.4 cd/lm 1 White s:	
LEDs/each optic Light colour Required components C16590_DAISY-43 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	White s: K1-SHD Duris S8 52.0° / 73.0° 91 % 1.4 cd/lm 1 White s:	
LEDs/each optic Light colour Required components C16590_DAISY-43 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	White s: K1-SHD Duris S8 52.0° / 73.0° 91 % 1.4 cd/lm 1 White s:	



# PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		50° 50°
LED	Duris S8	77
FWHM / FWTM	56.0° / 76.0°	
Efficiency	92 %	age 400 400
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er et
Required component	is:	
C16784_DAISY-4		
		30° <u>E33</u> 30°



#### **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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### 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

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where\_to\_buy