

## DAISY-4X1-W-D

~50° wide beam. Variant with diffused lenses.

#### **SPECIFICATION:**

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



#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
C16992_DAISY-4X1-W-D	Linear lens	PMMA	milky	
C19075_DAISY-4X1-SHD2	Shade	PC	black	gloss
C18407_DAISY-4X1-SHD-MET	Shade	PC	metal	gloss
C17535_DAISY-4X1-SHD2-MET-MATT	Shade	PC	metal	matt
C17423_DAISY-4X1-SHD2-WHT-MATT	Shade	PC	white	matt
C17422_DAISY-4X1-SHD2-MATT	Shade	PC	black	matt
C16784_DAISY-4X1-SHD-WHT	Shade	PC	white	gloss
C16590_DAISY-4X1-SHD	Shade	PC	black	gloss

### **ORDERING INFORMATION:**

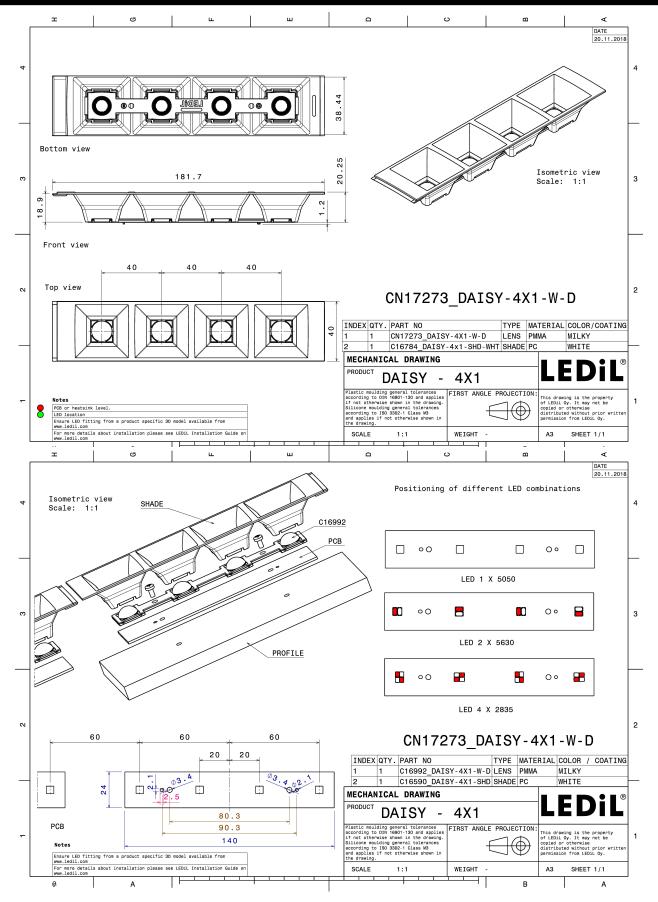
### Quantities for one set:

Linear lens	1
Shade	1

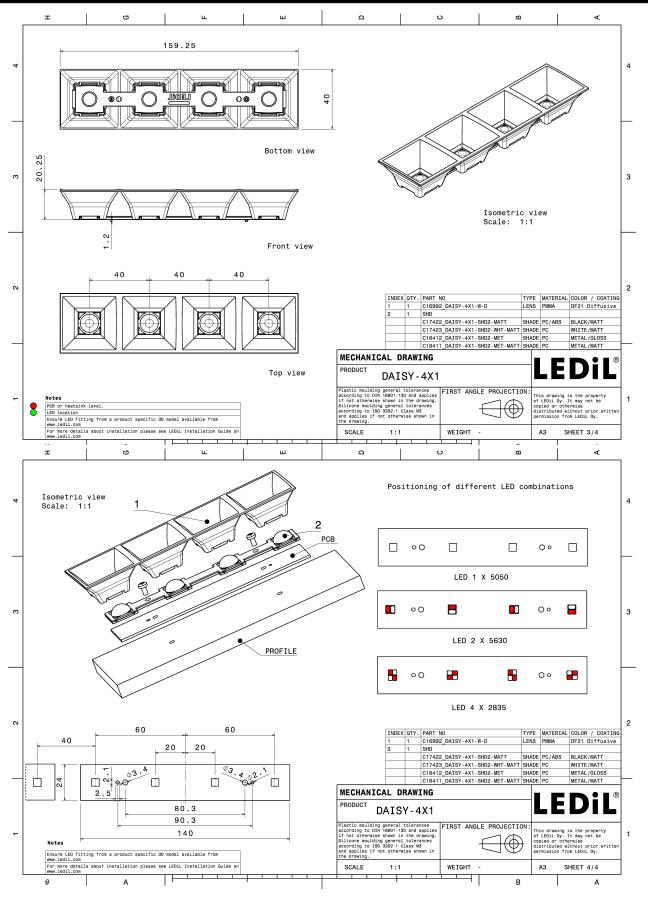


Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16992_DAISY-4X1-W-D » Box size: 480 x 280 x 300 mm	Linear lens	504	336	21	6.3
C17422_DAISY-4X1-SHD2-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.7
C19075_DAISY-4X1-SHD2 » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.4
C16590_DAISY-4X1-SHD » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.9
C17423_DAISY-4X1-SHD2-WHT-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.9
C16784_DAISY-4X1-SHD-WHT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	5.2
C17535_DAISY-4X1-SHD2-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	168	4.1
C18407_DAISY-4X1-SHD-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.3





# 



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

Last update: 28/04/2023Subject to change without prior noticePublished: 09/09/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.4/13



AUDAX		90° 90°
	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.5° / 88.5°	75
Efficiency	78 %	
Peak intensity	0.8 cd/lm	60 <sup>5</sup>
LEDs/each optic	4	
Light colour	White	47°
Required compone		
C16590_DAISY		
		30° 30°
		 15° 000 15°
AUDAX		90* 90*
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.5° / 90.0°	73*
Efficiency	90 %	200
Peak intensity	0.8 cd/lm	60°
LEDs/each optic	4	400
Light colour	White	45*
Required compone	ents:	
C17528_DAISY		
		30°
		 15° 0° 15°
AUDAX		90* 90*
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	64.5° / 93.0°	75°
Efficiency	89 %	200 60 <sup>4</sup>
Peak intensity	0.8 cd/lm	
LEDs/each optic	4	460
Light colour	White	er
Required compone	ents:	
C16784_DAISY	-4X1-SHD-WHT	
		36* 30* 30*
		42/ 0, 15,
ELECTRONICS		90° 90°
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	75.
FWHM / FWTM	63.5° / 90.0°	200
Efficiency	88 %	605 60°
Peak intensity	0.8 cd/lm	
LEDs/each optic	4	
Light colour	White	69* · · · · · · · · · · · · · · · · · · ·
Required compone		
C17535_DAISY	-4X1-SHD2-MET-MATT	
1		36*



AUDAX ELECTRONICS		50°
	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.0° / 88.0°	75' 75'
Efficiency	77 %	- 200
Peak intensity	0.8 cd/lm	60°
LEDs/each optic	4	
Light colour	White	400
Required compone		
	4X1-SHD2-MATT	
		30°
		 13° 0° 15°
AUDAX		50* 50*
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	64.5° / 92.0°	75
Efficiency	89 %	200
Peak intensity	0.8 cd/lm	
LEDs/each optic	4	
Light colour	White	gr et
Required compone	nts:	
C17423_DAISY	4X1-SHD2-WHT-MATT	
		30* 30* 34*
MOT		13) 0, 25,
MST Your solut	ions	10° V 10°
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	10 <sup>-</sup> 0 <sup>-</sup> 10 <sup>-</sup> 10 <sup>-</sup>
	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0°	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 %	90° 200 200 200 200 200 200 200 200 200 2
LED FWHM / FWTM Efficiency Peak intensity	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm	64 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4	200 200 200 400
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White	135 W 25 199 199 199 199 199 199 199 19
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts:	105 W 105 105 W 105 W 105 W 105 W 105 W 105 W 105 W 105 W 105 W 105 W 105 W
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts:	105 W 105 105 W 105
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts:	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT ions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY: MSST Vour solut LED FWHM / FWTM	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT ions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5°	30. 30. 30. 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY: MST Your solut LED FWHM / FWTM Efficiency	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT ions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 %	30. 30. 30.   32. 200 40.   33. 200 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY MOUT Solut LED FWHM / FWTM Efficiency Peak intensity	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT ions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 % 0.7 cd/lm	30. 30. 30.   32. 200 40.   33. 200 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY MOUT Solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT ions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 % 0.7 cd/lm 4	30. 30. 30. 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY C17423_DAISY Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT ions LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 % 0.7 cd/lm 4 Tunable White	30. 30. 30. 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY MSST Your solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 % 0.7 cd/lm 4 Tunable White nts:	30. 30. 30. 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY C17423_DAISY Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 % 0.7 cd/lm 4 Tunable White nts:	30. 30. 30.   32. 200 40.   33. 200 40.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY MSST Your solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.5 + 65.5° / 94.0° 89 % 0.7 cd/lm 4 Tunable White nts: 4X1-SHD2-WHT-MATT LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 90.0 + 89.5° 77 % 0.7 cd/lm 4 Tunable White nts:	30. 30. 30. 40.



MST Your solut	ions	90* 90*
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 91.5 + 91.0°	75* 75*
Efficiency	89 %	-200
Peak intensity	0.8 cd/lm	60° 60°
LEDs/each optic	4	400
Light colour	Tunable White	gr der
Required compone		
C17528_DAISY-		
		30° 30° 30°
MST Your solut	tions	90* 90*
LED	Link ED 156429mm 24400lm 827 865 2420 121/ Ont C1	
FWHM / FWTM	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 66.0 + 65.5° / 94.0°	73. 75.
Efficiency	89 %	
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	4	
Light colour	4 Tunable White	400
Required compone		
C16784_DAISY-		
		36° 36° 36° 36°
MST Your solut	ions	90* 90*
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
FWHM / FWTM	64.5° / 92.5 + 92.0°	75°
Efficiency	87 %	
Peak intensity	0.8 cd/lm	60°
LEDs/each optic	4	
Light colour	Tunable White	45" 45"
Required compone	nts:	
	4X1-SHD2-MET-MATT	
		30. 30.
		 15° 0° 35°
MST Your solut	tions	90* 90*
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
FWHM / FWTM	64.5° / 90.0 + 89.5°	75* 75*
Efficiency	76 %	200
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	4	
Light colour	Tunable White	470 430
Required compone		
	-4X1-SHD2-MATT	
1		



MST Your solut	tions	30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY		
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 + 63.5° / 89.5 + 89.0° 76 % 0.7 cd/lm 4 White	
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17423_DAISY	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 65.0° / 93.0° 88 % 0.8 cd/lm 4 White	
Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.0° / 89.0 + 88.5° 77 % 0.7 cd/lm 4 White nts:	



MST Your solut	tions	50°
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	64.0° / 92.0°	77
Efficiency	87 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	4	
Light colour	White	gr av
Required compone		
	-4X1-SHD2-MET-MATT	
		200
		125 <sup>1</sup> 0 <sup>1</sup> 12 <sup>3</sup>
MST Your solut	ions	50* 50*
LED	Link ED 156229mm 2001m 220 20 121/ Ont 01	
FWHM / FWTM	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.0° / 91.0 + 90.5°	757
Efficiency	88 %	
Peak intensity	0.8 cd/lm	en e
LEDs/each optic	4	
Light colour	White	gr A
Required compone		
C17528_DAISY		
		30° 30( 115) 0° 15°
<b>ØNICHI</b>		50 <sup>16</sup>
LED	NF2W757G-MT (Tunable White)	
FWHM / FWTM	61.0° / 86.0°	20
Efficiency	93 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	a, a,
Required compone	nts:	
C16784_DAISY		
		34
~		
<b>ØNICHI</b>		50 <sup>4</sup> 30 <sup>4</sup>
LED	NF2W757G-MT (Tunable White)	
FWHM / FWTM	60.0° / 84.0°	
Efficiency	82 %	ev. ex
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	9°
Required compone	nts:	
C16590_DAISY	-4X1-SHD	
		80
		15° 0° 15°



OSRAN		1000	90*	90*
LED	PL-LIN-1000 140x24mm	and the second		
FWHM / FWTM	65.0° / 89.0°		75*	
Efficiency	76 %			
Peak intensity	0.7 cd/lm		60*	
LEDs/each optic	4			
Light colour	White		450 400	45*
Required compone	ents:			
	-4X1-SHD2-MATT			
			300	36°
SAMSI			15° 0°	152
				90*
LED	LM28xB Series		750	
FWHM / FWTM	62.0° / 87.0°		X // 200	X/Y
Efficiency	92 %		60.5	604
Peak intensity	0.9 cd/lm		400	
LEDs/each optic	1			
Light colour	White			
Required compone				
C16784_DAISY	-4X1-SHD-WHI			
			30*	36.0
1			15° 0°	152
SAMSI			90°	152
SAMSI			90°	90*
LED	LM28xB Series		20 <sup>2</sup> 0 <sup>4</sup>	
LED FWHM / FWTM	LM28xB Series 59.0° / 85.0°		97 97 70 70	
LED FWHM / FWTM Efficiency	LM28xB Series 59.0° / 85.0° 81 %		94 94 95 96	
LED FWHM / FWTM Efficiency Peak intensity	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm		90°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1		20 00 000	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White		207 00 207 00 207 00 207 00 200 00 207 00	92 92
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents:		20 00 00 00 00 00 00 00 00 00 00 00 00 0	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White		20 00 00 00 00 00 00 00 00 00 00 00 00 0	97 97 97
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents:		23 <sup>-</sup> 23 64 65 66 66 66 66 66 66 66 66 66 66 66	99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents:		23 <sup>2</sup> 29 <sup>2</sup> 29 <sup>2</sup> 29 <sup>2</sup> 29 <sup>2</sup> 200 29 <sup>2</sup> 200 200 200 200 200 200 200 200 200 2	121 122 122
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT		200 200 200 200 200 200 200 200 200 200	57 57 57 57 57 57 57 57 57
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT		55 <sup>-</sup> 55 <sup>-</sup>	15'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT			159
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNG LM28xB Series 61.0° / 85.0°			159
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMSI</b> LED FWHM / FWTM Efficiency	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNG LM28xB Series 61.0° / 85.0° 82 %			15'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMS</b> LED FWHM / FWTM Efficiency Peak intensity	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNG LM28xB Series 61.0° / 85.0° 82 % 0.9 cd/lm			15'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMS</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNC LM28xB Series 61.0° / 85.0° 82 % 0.9 cd/lm 1			15'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMS</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNC LM28xB Series 61.0° / 85.0° 82 % 0.9 cd/lm 1 White			12,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMS</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNC LM28xB Series 61.0° / 85.0° 82 % 0.9 cd/lm 1 White ents:			15'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMS</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNC LM28xB Series 61.0° / 85.0° 82 % 0.9 cd/lm 1 White ents:			159
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY <b>SAMS</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LM28xB Series 59.0° / 85.0° 81 % 0.9 cd/lm 1 White ents: -4X1-SHD2-MATT UNC LM28xB Series 61.0° / 85.0° 82 % 0.9 cd/lm 1 White ents:			159



		90 <sup>4</sup> 90 <sup>4</sup>
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC	
FWHM / FWTM	70.0° / 100.0°	75
Efficiency	87 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	4	
Light colour	White	gr es
Required compone		
C16784_DAISY		
		30*
		135 <sup>4</sup> 0 <sup>4</sup> 13 <sup>5</sup>
		90°
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC	
FWHM / FWTM	70.0° / 100.0°	
Efficiency	88 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	4	
Light colour	White	e <sup>r</sup> 40
Required compone	nts:	
	-4X1-SHD2-WHT-MATT	
		9)*
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC	
FWHM / FWTM	69.0° / 93.0°	75
Efficiency	72 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	4	
Light colour	White	at at
Required compone	nts:	
C16590_DAISY	-4X1-SHD	
		34 660 34
		**************************************
		90°
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC	
FWHM / FWTM	69.0° / 93.0°	
Efficiency	71 %	eree
Peak intensity	0.6 cd/lm	
LEDs/each optic	4	
Light colour	White	er de la companya de
Required compone		
C17422_DAISY	-4X1-SHD2-MATT	
		30* 600 30*



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

SAMSU	NG	90 <sup>4</sup> 95 <sup>4</sup>
LED	LM28xB Series	77
FWHM / FWTM	60.0° / 86.0°	
Efficiency	77 %	60× 60×
Peak intensity	0.8 cd/lm	
LEDs/each optic	4	
Light colour	White	gr gr
Required component	s:	
C17422_DAISY-4	X1-SHD2-MATT	
		2 <sup>50</sup> 155 <sup>6</sup> 0 <sup>6</sup> 35 <sup>6</sup>



#### **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