

# DAISY-4X1-W

#### ~50° wide beam

#### **SPECIFICATION:**

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



#### LEDiĽ

Material	Colour	Finish
PMMA	clear	
PC	black	gloss
PC	metal	matt
PC	metal	gloss
PC	metal	matt
PC	metal	gloss
PC	white	matt
PC	black	matt
PC	white	gloss
PC	black	gloss

#### **MATERIALS:**

Component
C16588_DAISY-4X1-W
C19075_DAISY-4X1-SHD2
C18414_DAISY-4X1-SHD-MET-MATT
C18412_DAISY-4X1-SHD2-MET
C18411_DAISY-4X1-SHD2-MET-MATT
C18407_DAISY-4X1-SHD-MET
C17423_DAISY-4X1-SHD2-WHT-MATT
C17422_DAISY-4X1-SHD2-MATT
C16784_DAISY-4X1-SHD-WHT
C16590_DAISY-4X1-SHD

#### **ORDERING INFORMATION:**

#### Quantities for one set:

Linear lens	1	
Shade	1	

Туре

Linear lens Shade Shade Shade Shade Shade Shade Shade Shade Shade

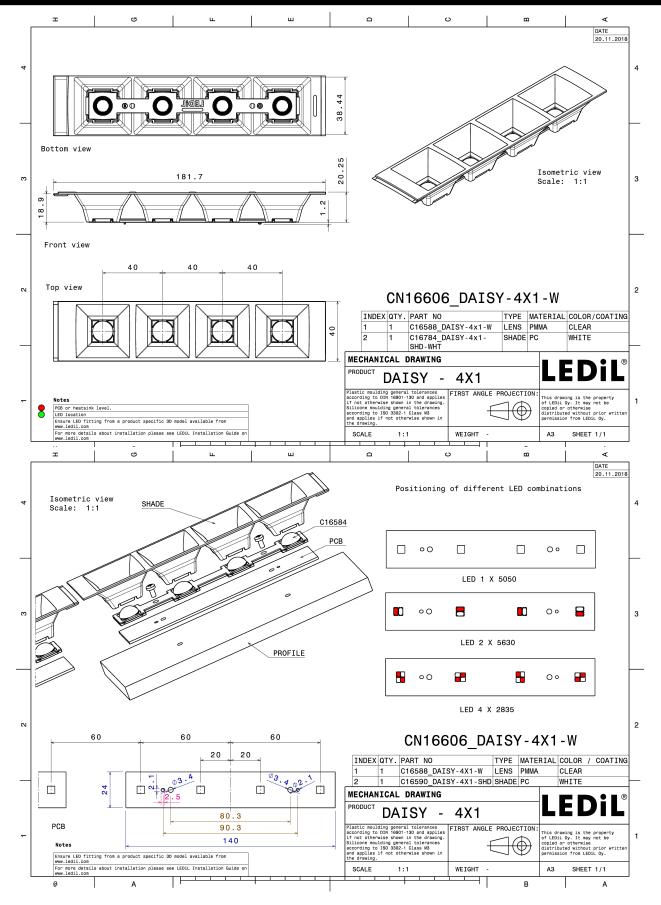


# PRODUCT DATASHEET DAISY-4X1-W

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	5.2
C18411_DAISY-4X1-SHD2-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.7
C17422_DAISY-4X1-SHD2-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.7
C18412_DAISY-4X1-SHD2-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	
C17423_DAISY-4X1-SHD2-WHT-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.9
C18414_DAISY-4X1-SHD-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.3
C16590_DAISY-4X1-SHD » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.9
C18407_DAISY-4X1-SHD-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.3
C19075_DAISY-4X1-SHD2 » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.4

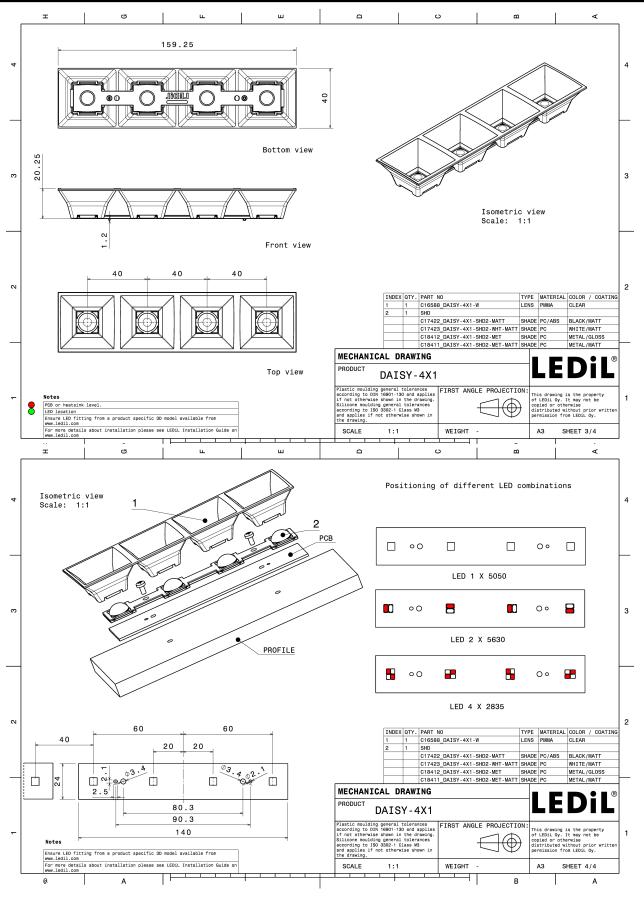


# PRODUCT DATASHEET DAISY-4X1-W



# PRODUCT DATASHEET DAISY-4X1-W

# 



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

Last update: 28/04/2023Subject 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		90* 90
	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	64.0° / 78.0°	75
Efficiency	94 %	
Peak intensity	0.9 cd/lm	60 60
LEDs/each optic	4	400
Light colour	 White	45° 65
Required compone		
	-4X1-SHD2-WHT-MATT	
011120_01		
		30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
AUDAX ELECTRONICS		90* 90
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.0° / 77.0°	273* 200
Efficiency	88 %	
Peak intensity	0.9 cd/lm	<sup>6</sup>
LEDs/each optic	4	
Light colour	White	45 <sup>+</sup>
Required compone	ents:	
C16590_DAISY		
		30° 30
		 15% 1880 15*
AUDAX		90* 90
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	
FWHM / FWTM	63.0° / 78.0°	
Efficiency	94 %	601 60
Peak intensity	1 cd/lm	400
LEDs/each optic	4	
Light colour	White	45* 45
Required compone	ents:	
C17528_DAISY	-4X1-SHD-MET	
		36- 30
AUDAX		10, 0, 15,
		90
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm	75*
FWHM / FWTM	64.0° / 78.0°	
Efficiency	94 %	600 60
Peak intensity	0.9 cd/lm	400
LEDs/each optic	4	
LEDs/each optic Light colour	4 White	400 27
LEDs/each optic Light colour Required compone	4 White ents:	400
LEDs/each optic Light colour Required compone	4 White	400 97
LEDs/each optic Light colour Required compone	4 White ents:	00
LEDs/each optic Light colour Required compone	4 White ents:	



AUDAX ELECTRONICS			90° 90'
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm		
EED FWHM / FWTM	63.0° / 78.0°		73*
Efficiency	93 %		
Peak intensity	1 cd/im		60* 60
LEDs/each optic	4		
-	4 White		45*
Light colour Required compone			
	-4X1-SHD2-MET-MATT		
017000_07101			
			30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
AUDAX			90° 90
LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm		
FWHM / FWTM	63.0° / 77.5°		200
Efficiency	88 %		
Peak intensity	0.9 cd/lm		60° / / / / / / / / / / / / / / / / / / /
LEDs/each optic	4		
Light colour	White		47* A5
Required compone			600
	-4X1-SHD2-MATT		
			30 15° 1800 15°
MST Your solu	tions	And in case of the local division of the loc	90° 90'
			90 <sup>+</sup> 90
LED	tions LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0°		90 <sup>+</sup> 90
LED	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1		94 <sup>+</sup> 95 <sup>+</sup> 96 90
LED FWHM / FWTM	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0°		90 <sup>+</sup> 90 72 00 <sup>+</sup> - 400
LED FWHM / FWTM Efficiency	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 %		90 <sup>4</sup> 90 73 <sup>5</sup> 75 60 <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		90 <sup>4</sup> 92 <sup>4</sup> 92 <sup>4</sup> 90 <sup>4</sup> 9
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		90 <sup>3</sup> 73 90 <sup>3</sup> 90 <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> 9
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 ents:		90 <sup>+</sup> 22 91 <sup>+</sup> 95 <sup>+</sup> 90 <sup>+</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compose	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ents:		9 <sup>4</sup> 25 9 <sup>4</sup> 9 <sup>5</sup> 9 <sup>5</sup> 9 <sup>6</sup> 9 <sup>7</sup> 9 <sup>7</sup> 9 <sup>8</sup> 9 <sup>8</sup> 9 <sup>8</sup> 9 <sup>8</sup> 9 <sup>8</sup> 9 <sup>8</sup> 9 <sup>8</sup> 9 <sup>8</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 ents:		94 <sup>4</sup> 95 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
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:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compose	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 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 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 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 ents: -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 MSST Vour solu LED FWHM / FWTM Efficiency Peak intensity	LinLED 156x28mm 2x200lm 827-865 2x2C 12V Opt G1 54.0° / 74.0° 90 % 1.2 cd/lm 2 Tunable White ents: -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 MINST Vour solu 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 ents: -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	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		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY 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		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY Vour solu 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 ents: -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 ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY Vour solu 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 ents: -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 ents:		





MST Your solut	ions	90* 90*
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 79.0 + 78.0°	75.
Efficiency	88 %	200
Peak intensity	0.9 cd/lm	60° 60°
LEDs/each optic	4	400
Light colour	Tunable White	43. 42.
Required compone		660
	-4X1-SHD2-MATT	
		500
		30° 0° 15° 0°
MST Your solut	ions	50° 50°
LED	Link ED 156x28mm 2x400km 827 865 2x2C 12\/ Ont C1	
FWHM / FWTM	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1 65.0 + 64.5° / 80.0 + 78.5°	75' 75'
Efficiency Peak intensity	94 % 0.9 cd/lm	605 607
-	4	400
LEDs/each optic Light colour	4 Tunable White	45° 45°
Required compone		600
	-4X1-SHD2-WHT-MATT	
017423_DAI31	4X1-311D2-W111-WAT1	
		36° 13° 0° 15° 36°
MST Your solut	tions	90*
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 79.0 + 78.0°	75. 75.
Efficiency	88 %	
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	4	400
Light colour	Tunable White	g*
Required compone		
C16590_DAISY		
		15° 0° 15°
MST Your solut	ions	90° 90°
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
EED FWHM / FWTM	64.5° / 79.0 + 78.5°	75* 75*
Efficiency	93 %	
Peak intensity	0.9 cd/lm	60 <sup>+</sup>
LEDs/each optic	4	
Light colour	Tunable White	97
Required compone		
C17528_DAISY		
011020_04101		
		30°





NST Your solut	tions	90° 90°
LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 80.0 + 78.5°	75* 75*
Efficiency	94 %	
Peak intensity	0.9 cd/lm	60* 60*
LEDs/each optic	4	
Light colour	Tunable White	g* g*
Required compone		
C16784_DAISY		
_		
		30 15° 0° 15°
MST Your solut	tions	50° 50°
LED	LinLED 156x28mm 400lm 8x0 2C 12V Opt G1	
FWHM / FWTM	56.0° / 75.0°	75'
Efficiency	90 %	
Peak intensity	1.2 cd/lm	60°
LEDs/each optic	2	
Light colour	– White	gr
Required compone		· · · · · · · · · · · · · · · · · · ·
C16590_DAISY		
		1200
		30° 30° 30°
MST Your solut	tions	90* 90*
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 80.0 + 78.5°	75°
Efficiency	93 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	₫°* ₫2°
Required compone	ents:	500
C16784_DAISY		
		36. 37.
MOT		
MST Your solut	tions	90° 90°
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	64.5° / 79.0 + 77.5°	
Efficiency	88 %	605
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	a
Required compone	ents:	
C16590_DAISY	-4X1-SHD	
		· · · · · · · · · · · · · · · · · · ·
		30°
		15° 0° 15°





MST Your solut	ions	84
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	65.0 + 64.5° / 79.5 + 78.5°	73'
Efficiency	93 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	er de
Required compone		
	4X1-SHD2-WHT-MATT	
		800 8000000008000
		22 <sup>7</sup> 0 <sup>4</sup> 22 <sup>7</sup>
MST Your solut	ions	99 <sup>4</sup>
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	64.0° / 79.0 + 77.5°	70
Efficiency	87 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	a.
Required compone	nts:	
	4X1-SHD2-MATT	
		133 <sup>4</sup> 0 <sup>3</sup> 13 <sup>5</sup>
MST Your solut	ions	50°
LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	
FWHM / FWTM	64.0 + 63.5° / 79.0 + 77.5°	79 200
Efficiency	93 %	
Peak intensity	0.9 cd/lm	
-	4	
LEDs/each optic Light colour	4 White	an a
LEDs/each optic	White	er 60 - 4
LEDs/each optic Light colour	White nts:	97 60 C
LEDs/each optic Light colour Required compone	White nts:	97 60
LEDs/each optic Light colour Required compone	White nts:	
LEDs/each optic Light colour Required compone C17528_DAISY-	White nts:	
LEDs/each optic Light colour Required compone	White nts: 4X1-SHD-MET	
LEDs/each optic Light colour Required compone C17528_DAISY-	White nts: 4X1-SHD-MET	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY-	White nts: 4X1-SHD-MET	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY-	White hts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST Vour solut LED FWHM / FWTM	White hts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5°	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST Vour solut LED FWHM / FWTM Efficiency	White hts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 %	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity	White hts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 % 0.9 cd/lm	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White hts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 % 0.9 cd/lm 4 White	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White hts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 % 0.9 cd/lm 4 White	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST Vour solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White nts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 % 0.9 cd/lm 4 White nts:	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>
LEDs/each optic Light colour Required compone C17528_DAISY- MSST LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White nts: 4X1-SHD-MET ions LinLED 156x28mm 800lm 8x0 2C 12V Opt G1 64.5 + 64.0° / 79.0 + 78.5° 92 % 0.9 cd/lm 4 White nts:	30 <sup>-</sup> 30 <sup>-</sup> 30 <sup>-</sup>



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	NF2W757G-MT (Tunable White) 53.0° / 73.0° 91 % 1.3 cd/lm 1 Tunable White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	NF2W757G-MT (Tunable White) 53.0° / 74.0° 96 % 1.3 cd/lm 1 Tunable White nts: -4X1-SHD-WHT	
COSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C17422_DAISY	PL-LIN-1000 140x24mm 65.0° / 78.0° 87 % 0.9 cd/lm 4 White	
SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	LM28xB Series 64.0° / 78.0° 94 % 0.9 cd/lm 4 White nts:	





SAMS	UNG	90*
LED	LM28xB Series	
FWHM / FWTM	54.0° / 73.0°	
Efficiency	91 %	60*
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	ger
Required compone	ents:	
C17422_DAISY	-4X1-SHD2-MATT	
		1270
		30° 15° 15°
SAMS	UNG	90°
LED	LM28xB Series	
FWHM / FWTM	55.0° / 73.0°	
Efficiency	91 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	2	
Light colour	White	ar H
Required compone	ents:	
C16590_DAISY	-4X1-SHD	
		30°
		135° 0° 155°
SAMS	UNG	90*
LED	LM28xB Series	75°
	LM28xB Series 56.0° / 75.0°	7.
FWHM / FWTM		75
FWHM / FWTM Efficiency Peak intensity	56.0° / 75.0°	75' 64'
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 75.0° 94 % 1.2 cd/Im 2	70- 01-
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 75.0° 94 % 1.2 cd/lm 2 White	75°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents:	9. 9. 0.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	56.0° / 75.0° 94 % 1.2 cd/lm 2 White	2. 0. 0. 0. 0. 0. 0. 0.0
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents:	27. 61. 62. 80.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents:	24. 26. 61. 90. 21.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT	54. 56. 6. 6. 6. 86. 86. 86. 86. 86. 86. 86.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT	20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT <b>UNG</b> LM28xB Series 64.0° / 77.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY SAMSI LED FWHM / FWTM Efficiency	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT <b>UNG</b> LM28xB Series 64.0° / 77.0° 89 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY SAMSI LED FWHM / FWTM Efficiency Peak intensity	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT <b>UNG</b> LM28xB Series 64.0° / 77.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: /-4X1-SHD-WHT UNC LM28xB Series 64.0° / 77.0° 89 % 0.9 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: '-4X1-SHD-WHT <b>UNG</b> LM28xB Series 64.0° / 77.0° 89 % 0.9 cd/lm 4 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: /-4X1-SHD-WHT UNC LM28xB Series 64.0° / 77.0° 89 % 0.9 cd/lm 4 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: /-4X1-SHD-WHT UNC LM28xB Series 64.0° / 77.0° 89 % 0.9 cd/lm 4 White ents:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY SAMSU EDS/EACH STANDARS Efficiency Peak intensity LEDs/each optic Light colour Required compone	56.0° / 75.0° 94 % 1.2 cd/lm 2 White ents: /-4X1-SHD-WHT UNC LM28xB Series 64.0° / 77.0° 89 % 0.9 cd/lm 4 White ents:	





stout stemiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16784_DAISY-		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
seoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY-		20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
seoul SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY-		20°
stous seniconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY-		



	17	50°	
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC		
FWHM / FWTM	69.0° / 81.0 + 82.0°		
Efficiency	83 %		
Peak intensity	0.8 cd/lm		
LEDs/each optic	4		
Light colour	White	er	
Required compone			
	-4X1-SHD2-MATT		
		24.	
	12	125 <sup>°</sup> 6 <sup>0</sup> 12 <sup>5</sup>	
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC		
FWHM / FWTM	69.0° / 81.0°		
Efficiency	82 %	60 <sup>6</sup>	
Peak intensity	0.8 cd/lm		
LEDs/each optic	4		
Light colour	White	¢*	
Required compone			
C16590_DAISY	-4X1-SHD		
		30° 15° 0° 15°	
	٦P	<b>3</b> <sup>1</sup>	
LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC		
FWHM / FWTM	69.0° / 83.0°		
Efficiency	92 %	200	
Peak intensity	0.8 cd/lm		
LEDs/each optic	4		
Light colour	White	94 - 400	
Required compone	ents:		
C16784_DAISY	-4X1-SHD-WHT		
		24.	
	5	20 <sup>1</sup> 0 <sup>1</sup> 20 <sup>2</sup>	
	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC		
FWHM / FWTM	69.0° / 84.0° 91 %		
Efficiency Rock intensity		694 /	
Peak intensity LEDs/each optic	0.8 cd/lm 4		
LEDS/each oplic	4 White		
Required components: C17423_DAISY-4X1-SHD2-WHT-MATT			
U17423_DAISY			
		30 <sup>6</sup> 12 <sup>9</sup> 0 <sup>6</sup> 12 <sup>9</sup>	



TDIDOL		
TRIDON	NIC	90°
LED	LLE 24x140mm 400lm 827-865 LVD ADV1	
FWHM / FWTM	66.0° / 79.0°	
Efficiency	88 %	60*
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	er et
Required compone	ents:	
C16590_DAISY	-4X1-SHD	
		30°
TRIDON		15° 0° 15°
	LLE 24x140mm 400lm 827-865 LVD ADV1	77
FWHM / FWTM	66.0° / 80.0°	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	4	
Light colour	White	
Required compone		
C16784_DAISY	-4X1-SHD-WHI	
		30' 32' 0' 33'
TRIDON		50 <sup>4</sup>
LED	LLE 24x140mm 400lm 8x0 LVD ADV1	
FWHM / FWTM	66.0° / 79.0°	75
Efficiency	88 %	
LINCIENCY		60°
-		
Peak intensity	0.8 cd/lm	440
Peak intensity LEDs/each optic	4	ar
Peak intensity LEDs/each optic Light colour	4 White	5° 400
Peak intensity LEDs/each optic Light colour Required compone	4 White ents:	97
Peak intensity LEDs/each optic Light colour	4 White ents:	g etc
Peak intensity LEDs/each optic Light colour Required compone	4 White ents:	57
Peak intensity LEDs/each optic Light colour Required compone	4 White ents:	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	4 White ents: -4X1-SHD	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	4 White onts: -4X1-SHD	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY	4 White ents: -4X1-SHD	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM	4 White onts: -4X1-SHD NIC LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 80.0°	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency	4 White onts: -4X1-SHD NIC LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 80.0° 94 %	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity	4 White onts: -4X1-SHD NIC LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 80.0° 94 % 0.9 cd/lm	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	4 White onts: -4X1-SHD NIC LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 80.0° 94 % 0.9 cd/lm 4	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	4 White ents: -4X1-SHD NIC LLE 24x140mm 400lm 8x0 LVD ADV1 66.0° / 80.0° 94 % 0.9 cd/lm 4 White	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	4 White ents: -4X1-SHD	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	4 White ents: -4X1-SHD	
Peak intensity LEDs/each optic Light colour Required compone C16590_DAISY <b>TRIDON</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	4 White ents: -4X1-SHD	





#### TRIDONIC LED LLE 24x280mm 750lm 8x0 LVD ADV1 FWHM / FWTM 66.0° / 80.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 4 Light colour White Required components: C16784\_DAISY-4X1-SHD-WHT **TRIDONIC** LED LLE 24x280mm 750lm 8x0 LVD ADV1 FWHM / FWTM 66.0° / 79.0° Efficiency 88 % Peak intensity 0.9 cd/lm LEDs/each optic 4 White Light colour Required components: C16590\_DAISY-4X1-SHD





# **OPTICAL RESULTS (SIMULATED):**

r		
		90* 90
LED	J Series 2835	
FWHM / FWTM	50.0° / 72.0°	75
Efficiency	88 %	400
Peak intensity	1.4 cd/lm	60°-
LEDs/each optic	1	
Light colour	White	gy 000 03
Required components:		
C17422_DAISY-4X		
		- 1230
		153 00 359
		90* 90*
LED	J Series 5050 Round LES	
FWHM / FWTM	52.0° / 74.0°	
Efficiency	89 %	60 60
Peak intensity	1.3 cd/lm	[ ]
LEDs/each optic	1	
Light colour	White	45° 45
Required components:		
C17422_DAISY-4X	1-SHD2-MATT	
		1230
		30-
	ns	
LED		30
ED FWHM / FWTM	LUXEON 5050 Round LES 54.0° / 69.0°	75
Efficiency	92 %	400
-	92 % 1.5 cd/lm	60°
Peak intensity LEDs/each optic	1.5 co/m	
Light colour	ı White	452 454
Required components:		
C16590_DAISY-4X		
010030_DAI01-4X		- 1230
		36 <sup>6</sup> 35 <sup>7</sup> 18 <sup>5</sup> 0 55 <sup>7</sup>
MICHIΛ		90° 00'
LED	NF2W757G-MT (Tunable White)	75*
FWHM / FWTM	62.0° / 78.0°	
Efficiency	90 %	50 <sup>4</sup>
Peak intensity	1 cd/lm	400
LEDs/each optic	4	
Light colour	Tunable White	197 A.
Required components:		
C16590_DAISY-4X	1-SHD	
		304 351



# **OPTICAL RESULTS (SIMULATED):**

<b>Μ</b> ΝΙCΗΙΛ		50 <sup>4</sup>
LED	NF2W757G-MT (Tunable White)	27
FWHM / FWTM	56.0° / 76.0°	
Efficiency	91 %	str. 400
Peak intensity	1.2 cd/lm	
LEDs/each optic	2	
Light colour	Tunable White	97 No.
Required components		
C16590_DAISY-4>	(1-SHD	
		200 207 01 207
<b>Μ</b> ΝΙCΗΙΛ		90°
LED	NF2x757G	
FWHM / FWTM	50.0° / 72.0°	25
Efficiency	92 %	400
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	· · · · · · · · · · · · · · · · · · ·
Required components	S.	
C16590_DAISY-4>	(1-SHD	120
		30
MICHIΛ		90 <sup>4</sup>
LED		
	NF2x757G	75
FWHM / FWTM	60.0° / 77.0°	77
FWHM / FWTM Efficiency	60.0° / 77.0° 90 %	77 19 <sup>1</sup>
FWHM / FWTM Efficiency Peak intensity	60.0° / 77.0° 90 % 1.1 cd/lm	99 <sup>4</sup> 400
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 77.0° 90 % 1.1 cd/lm 4	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 90 % 1.1 cd/lm 4 White	77 50 <sup>4</sup> 60 77
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	60.0° / 77.0° 90 % 1.1 cd/lm 4 White	75° 400 400 400 400 400 400 400 400 400 40
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 90 % 1.1 cd/lm 4 White	55° 600 70 55° 600 70 50° 600 70
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	60.0° / 77.0° 90 % 1.1 cd/lm 4 White	75°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4>	60.0° / 77.0° 90 % 1.1 cd/lm 4 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4>	60.0° / 77.0° 90 % 1.1 cd/lm 4 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4>	60.0° / 77.0° 90 % 1.1 cd/lm 4 White 5: (1-SHD	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4>	60.0° / 77.0° 90 % 1.1 cd/lm 4 White 5: (1-SHD Duris E 2835	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-42 OSRAM Opto Semiconductors LED FWHM / FWTM	60.0° / 77.0° 90 % 1.1 cd/lm 4 White 5: (1-SHD	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4) OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency	60.0° / 77.0° 90 % 1.1 cd/lm 4 White 5: (1-SHD Duris E 2835 50.0° / 72.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4) OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	60.0° / 77.0° 90 % 1.1 cd/lm 4 White 5: (1-SHD Duris E 2835 50.0° / 72.0° 94 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4) OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	60.0° / 77.0° 90 % 1.1 cd/lm 4 White 5: (1-SHD Duris E 2835 50.0° / 72.0° 94 % 1.5 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4) Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	60.0° / 77.0° 90 % 1.1 cd/lm 4 White S: (1-SHD Duris E 2835 50.0° / 72.0° 94 % 1.5 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4>	60.0° / 77.0° 90 % 1.1 cd/lm 4 White S: (1-SHD Duris E 2835 50.0° / 72.0° 94 % 1.5 cd/lm 1 White S:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4) Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	60.0° / 77.0° 90 % 1.1 cd/lm 4 White S: (1-SHD Duris E 2835 50.0° / 72.0° 94 % 1.5 cd/lm 1 White S:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components C16590_DAISY-4) OREAL OPTO Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	60.0° / 77.0° 90 % 1.1 cd/lm 4 White S: (1-SHD Duris E 2835 50.0° / 72.0° 94 % 1.5 cd/lm 1 White S:	





# **OPTICAL RESULTS (SIMULATED):**

OSRAM Opto Semiconductors		90*
LED	Duris E 2835	
FWHM / FWTM	54.0° / 76.0°	
Efficiency	94 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	2	
Light colour	White	9 <sup>4</sup> 80
Required component	ts:	
C16590_DAISY-4	X1-SHD	
		34"
		255 04 255
OSRAM Opto Semiconductors		90°
LED	Duris S8	
FWHM / FWTM	56.0° / 76.0°	
Efficiency	92 %	400 400 er
Peak intensity	1.2 cd/lm	$\wedge$
LEDs/each optic	1	
Light colour	White	a, a.
Required component	ts:	
C16784_DAISY-4	X1-SHD-WHT	
		34" 520 30"
		227 q <sup>4</sup> 22 <sup>3</sup>
OSRAM Opto Semiconductors		90 <sup>+</sup> 90 <sup>+</sup>
LED	Duris S8	
FWHM / FWTM	52.0° / 73.0°	
Efficiency	91 %	60°
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	g* a*
Required component	ts:	
C16590_DAISY-4	X1-SHD	
		253 04 250



#### **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