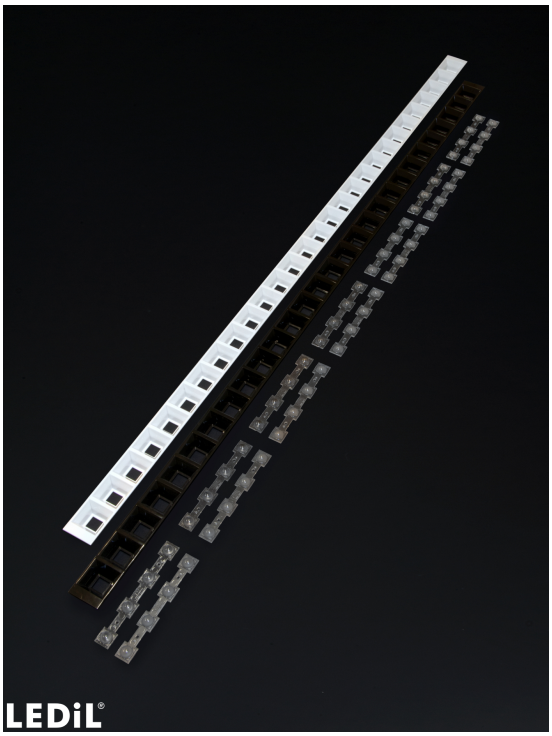
DAISY-28X1-WW

~80° wide beam. Variant with 4X1 lenses.



SPECIFICATION:

Dimensions	1140.0 x 40.0 mm
Height	20.2 mm
Fastening	pin, screw, clips
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
C16584_DAISY-4X1-WW	Linear lens	PMMA	clear		19.0
C17482_DAISY-28X1-SHD-WHT-MATT	Shade	PC	white	matt	40.0
C17481_DAISY-28X1-SHD-MATT	Shade	PC	black	matt	40.0
C16783_DAISY-28X1-SHD-WHT	Shade	PC	white	gloss	40.0
C16585_DAISY-28X1-SHD	Shade	PC-ABS	black	gloss	40.0

ORDERING INFORMATION:

Quantities for one set:

Linear lens	7
Shade	1

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Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16584_DAISY-4X1-WW » Box size: 480 x 280 x 300 mm	Linear lens	504	336	21	5.6
C16585_DAISY-28X1-SHD » Box size: 1185 x 385 x 125 mm	Shade	48	48	48	8.4
C16783_DAISY-28X1-SHD-WHT » Box size: 1185 x 385 x 125 mm	Shade	48	48	48	8.8
C17481_DAISY-28X1-SHD-MATT » Box size: 1185 x 385 x 125 mm	Shade	48	48	48	8.6
C17482_DAISY-28X1-SHD-WHT-MATT » Box size: 1185 x 385 x 125 mm	Shade	48	48	48	8.7

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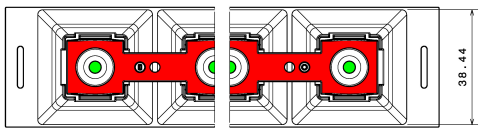
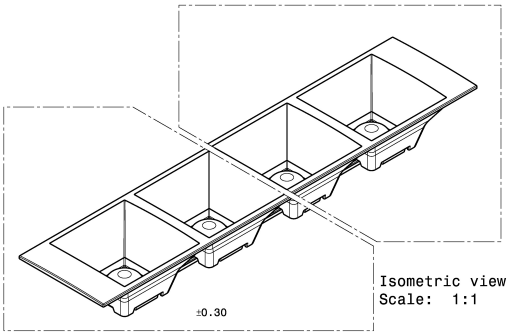
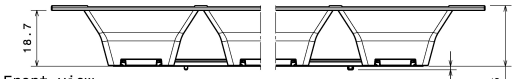


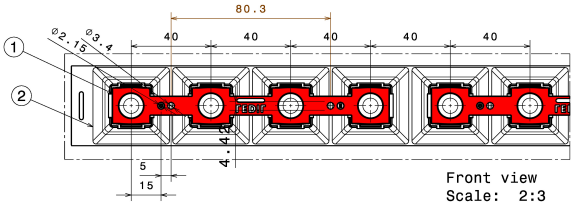
Bottom view
Scale: 1:1



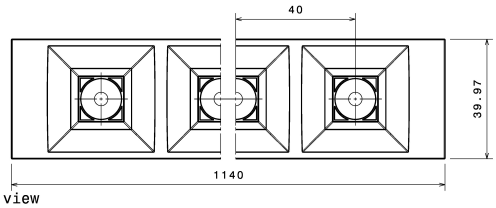
Isometric view
Scale: 1:1



Front view
Scale: 1:1



Front view
Scale: 2:3



Top view
Scale: 1:1

INDEX	QTY.	PART NO	TYPE	MATERIAL	COLOR / COATING
1	7	C16584_DAISY-4x1-WW	LENS	PMMA	CLEAR
2	1	C16585_DAISY_28X1-SHD	SHD	PC/ABS	BLACK

MECHANICAL DRAWING

PRODUCT DAISY-28X1

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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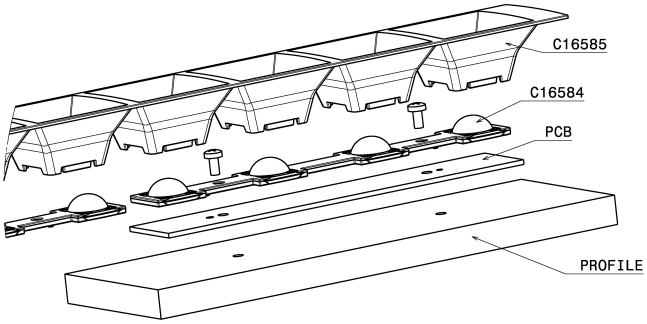
SCALE 1:1 | WEIGHT - | A3 | SHEET 1/1

Notes

Ensure LED fitting from a product specific 3D model available from www.ledil.com

For more details about installation please see LEDiL Installation Guide on www.ledil.com



Scale: 1:1

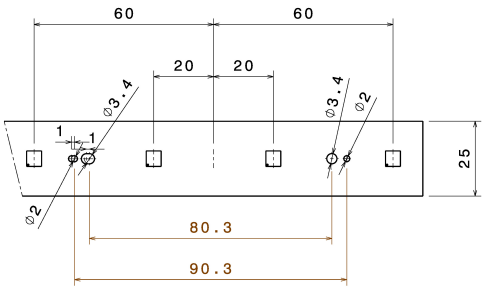
Positioning of different LED combinations

Recommended LED spacing in clusters 0.2mm

LED 1 X 5050

LED 2 X 5630

LED 4 X 2835



PCB

INDEX	QTY.	PART NO	TYPE	MATERIAL	COLOR / COATING
1	7	C16584_DAISY-4X1-WW	LENS	PMMA	CLEAR
2	1	C16585_28X1-SHD	SHD	PC/ABS	BLACK

MECHANICAL DRAWING

PRODUCT DAISY - 28X1

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 1:1 | WEIGHT - | A3 | SHEET 1/1

Notes

Ensure LED fitting from a product specific 3D model available from www.ledil.com

For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

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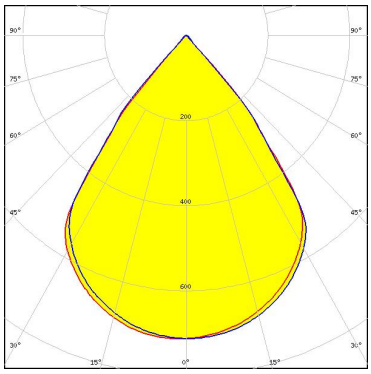
OPTICAL RESULTS (MEASURED):

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm
FWHM / FWTM	75.0° / 87.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17537_DAISY-28X1-SHD-MET-MATT

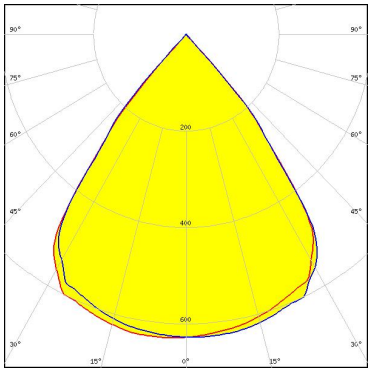


Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm
FWHM / FWTM	76.0° / 87.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD

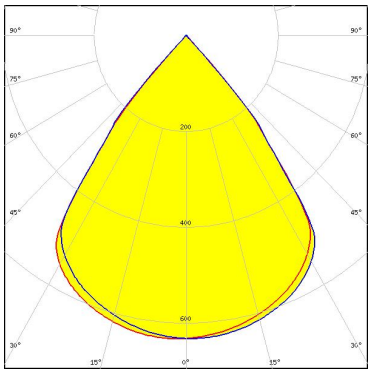


Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm
FWHM / FWTM	76.0° / 87.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17481_DAISY-28X1-SHD-MATT



Light distribution files

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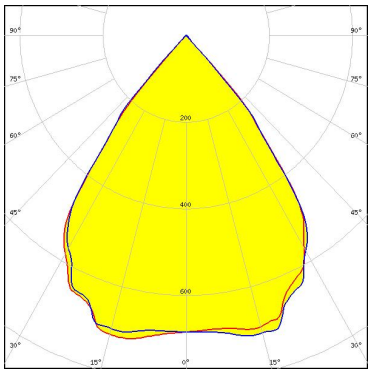
OPTICAL RESULTS (MEASURED):

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm
FWHM / FWTM	74.0° / 87.0°
Efficiency	96 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17527_DAISY-28X1-SHD-MET

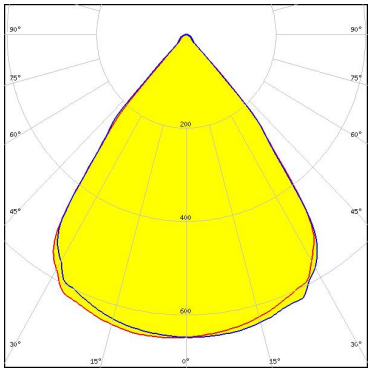


Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm
FWHM / FWTM	76.0° / 87.5°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C16783_DAISY-28X1-SHD-WHT

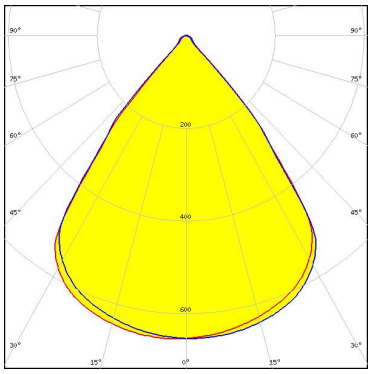


Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 112 LEDs 1,140mm x 20mm
FWHM / FWTM	76.0° / 87.5°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17482_DAISY-28X1-SHD-WHT-MATT



Light distribution files

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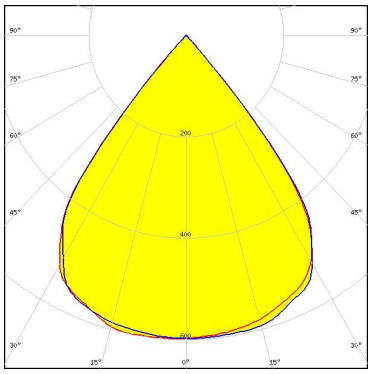
OPTICAL RESULTS (MEASURED):

CREE LEDs

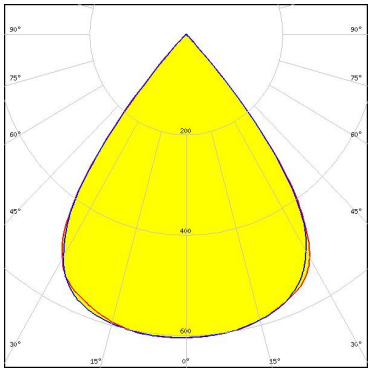
LED	J Series 2835
FWHM / FWTM	77.0° / 86.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

Helvar

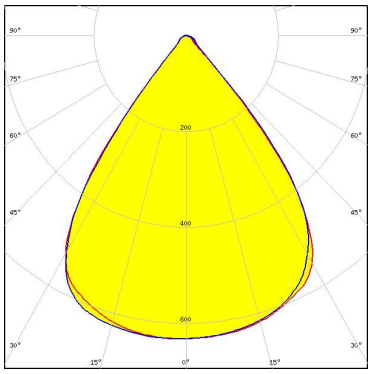
LED	LDL-iC-562-827-2000lm
FWHM / FWTM	75.0° / 86.0°
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

Helvar

LED	LDL-iC-562-827-2000lm
FWHM / FWTM	75.0° / 88.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16783_DAISY-28X1-SHD-WHT	



Light distribution files

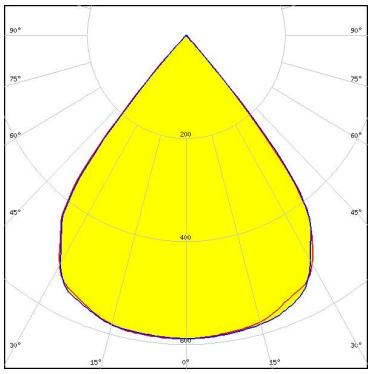
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON 2835 Line
FWHM / FWTM	78.0° / 86.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD

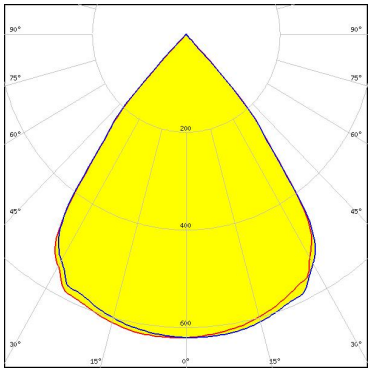


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2200lm 8x0 2C 84V Opt G1
FWHM / FWTM	76.0 + 75.5° / 87.5 + 87.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD

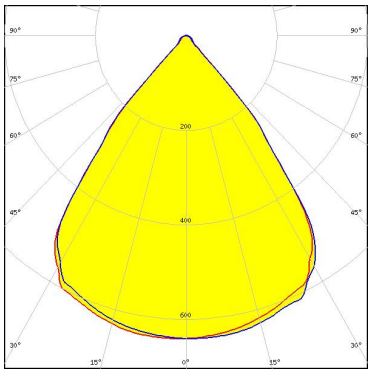


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2200lm 8x0 2C 84V Opt G1
FWHM / FWTM	76.5° / 88.5 + 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16783_DAISY-28X1-SHD-WHT



Light distribution files

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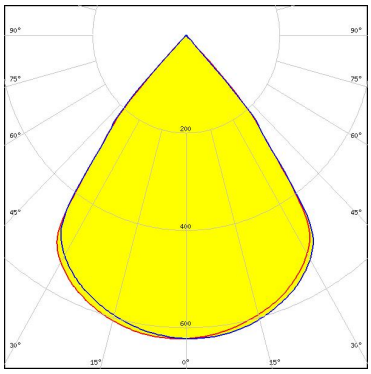
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 2200lm 8x0 2C 84V Opt G1
FWHM / FWTM	75.5 + 76.0° / 87.5°
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C17481_DAISY-28X1-SHD-MATT

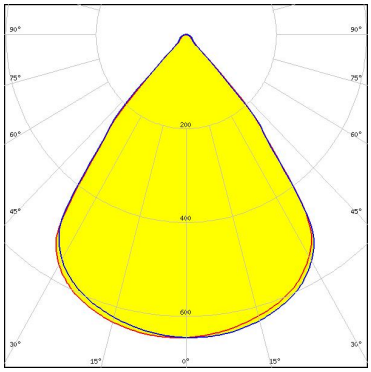


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2200lm 8x0 2C 84V Opt G1
FWHM / FWTM	76.0 + 76.5° / 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C17482_DAISY-28X1-SHD-WHT-MATT

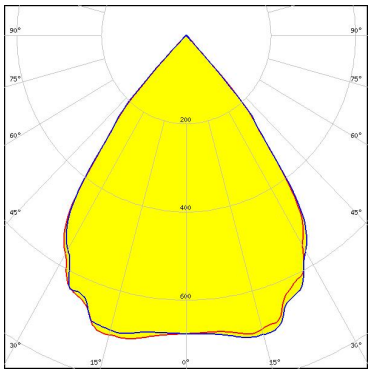


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2200lm 8x0 2C 84V Opt G1
FWHM / FWTM	74.5° / 87.5 + 87.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C17527_DAISY-28X1-SHD-MET



Light distribution files

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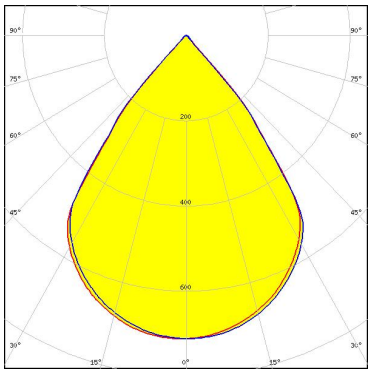
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 2200lm 8x0 2C 84V Opt G1
FWHM / FWTM	74.5° / 87.5°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C17537_DAISY-28X1-SHD-MET-MATT

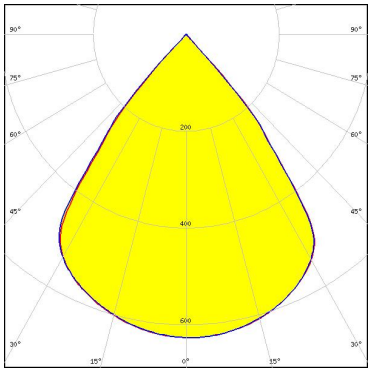


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2x2200lm 827-865 2x2C 84V DAISY-
FWHM / FWTM	76.0 + 76.5° / 87.5°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17481_DAISY-28X1-SHD-MATT

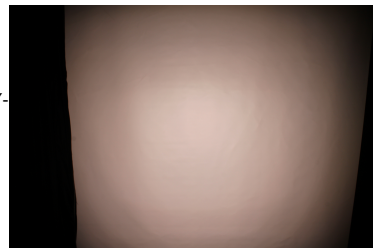


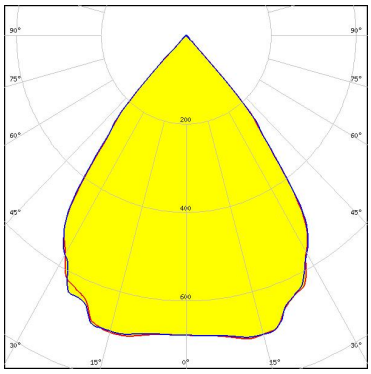
Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2x2200lm 827-865 2x2C 84V DAISY-
FWHM / FWTM	74.5 + 75.5° / 87.5°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17527_DAISY-28X1-SHD-MET





Light distribution files

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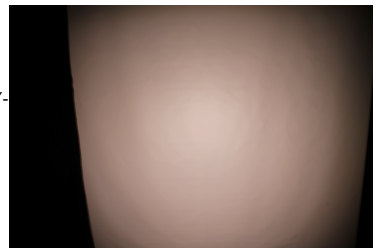
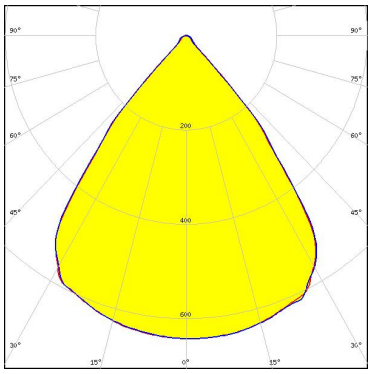
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 2x2200lm 827-865 2x2C 84V DAISY-
FWHM / FWTM	76.5 + 77.0° / 88.5°
Efficiency	95 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C16783_DAISY-28X1-SHD-WHT



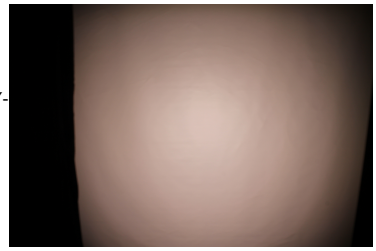


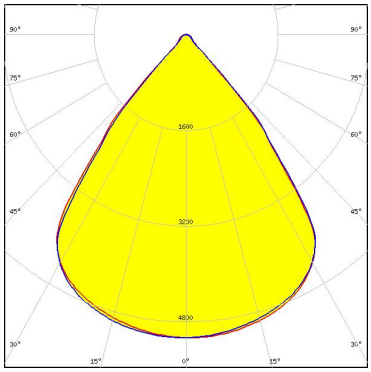
Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2x2200lm 827-865 2x2C 84V DAISY-
FWHM / FWTM	76.5 + 77.0° / 88.5°
Efficiency	95 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17482_DAISY-28X1-SHD-WHT-MATT



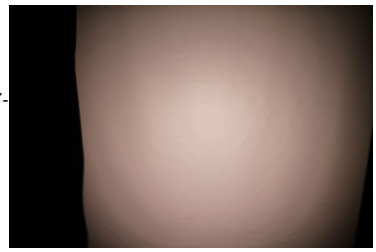


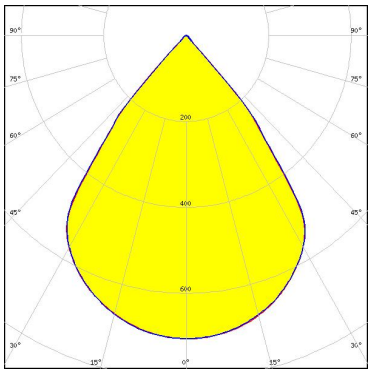
Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 2x2200lm 827-865 2x2C 84V DAISY-
FWHM / FWTM	75.5° / 88.0 + 87.5°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17537_DAISY-28X1-SHD-MET-MATT





Light distribution files

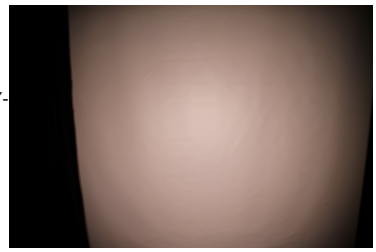
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

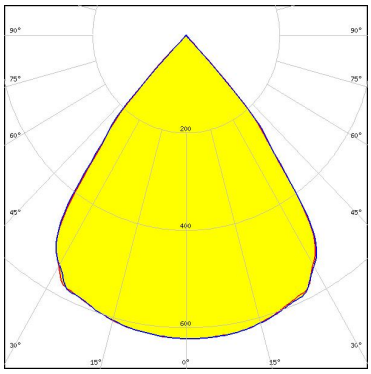
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 2x2200lm 827-865 2x2C 84V DAISY-
FWHM / FWTM	76.0 + 76.5° / 87.5°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C16585_DAISY-28X1-SHD



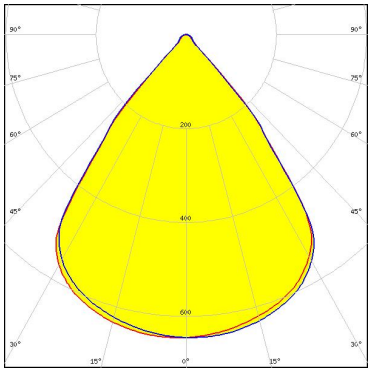


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 2C Opt G1
FWHM / FWTM	76.0 + 76.5° / 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17482_DAISY-28X1-SHD-WHT-MATT

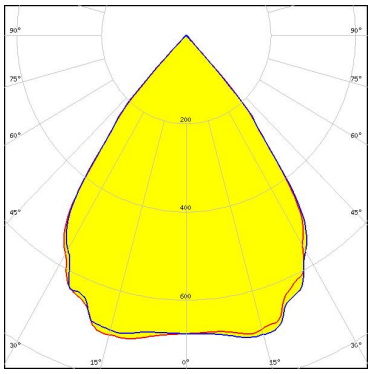


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 2C Opt G1
FWHM / FWTM	74.5° / 87.5 + 87.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17527_DAISY-28X1-SHD-MET



Light distribution files

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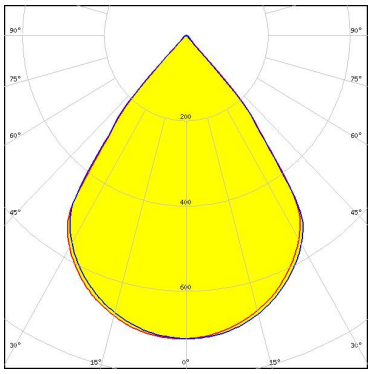
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 2C Opt G1
FWHM / FWTM	74.5° / 87.5°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17537_DAISY-28X1-SHD-MET-MATT

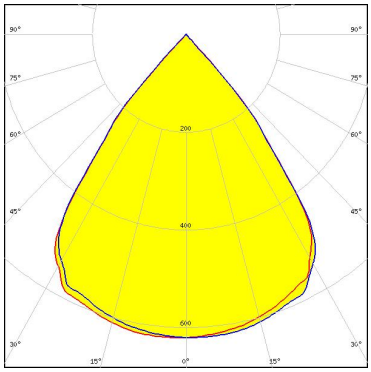


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 2C Opt G1
FWHM / FWTM	76.0 + 75.5° / 87.5 + 87.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD

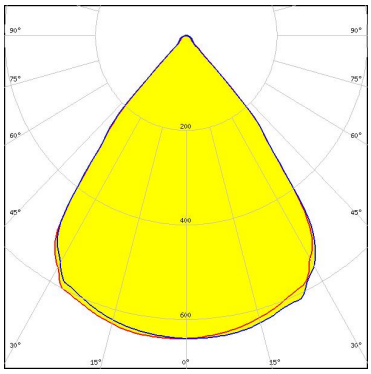


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 2C Opt G1
FWHM / FWTM	76.5° / 88.5 + 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16783_DAISY-28X1-SHD-WHT



Light distribution files

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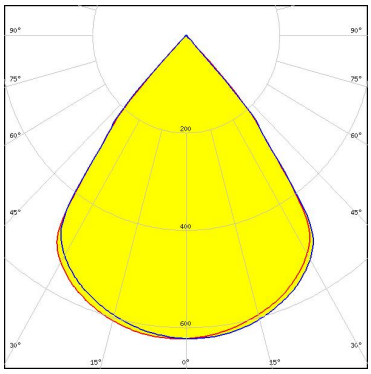
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 2C Opt G1
FWHM / FWTM	75.5 + 76.0° / 87.5°
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17481_DAISY-28X1-SHD-MATT

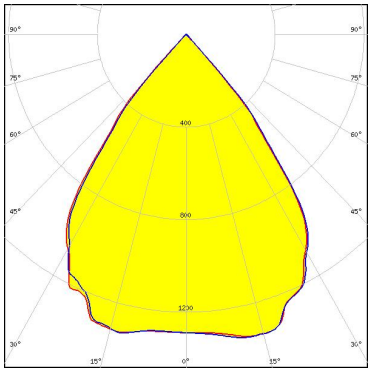


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 4C Opt G1
FWHM / FWTM	74.5° / 87.5 + 87.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17527_DAISY-28X1-SHD-MET

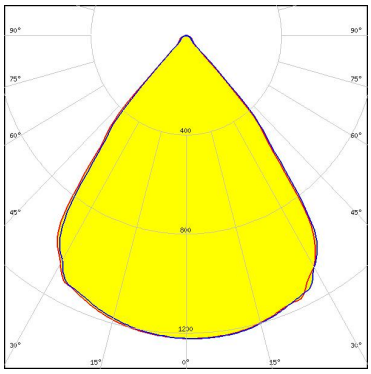


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 4C Opt G1
FWHM / FWTM	76.5° / 88.5 + 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16783_DAISY-28X1-SHD-WHT



Light distribution files

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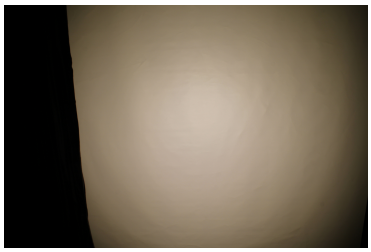
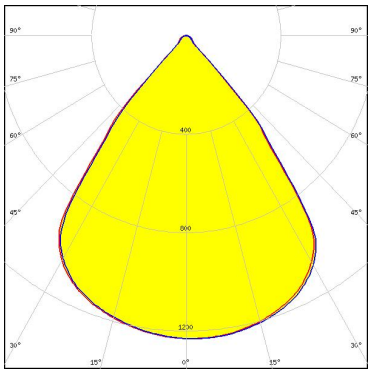
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 4C Opt G1
FWHM / FWTM	76.0 + 76.5° / 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17482_DAISY-28X1-SHD-WHT-MATT



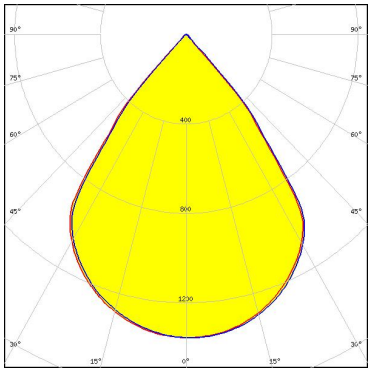


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 4C Opt G1
FWHM / FWTM	74.5° / 87.5°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17537_DAISY-28X1-SHD-MET-MATT

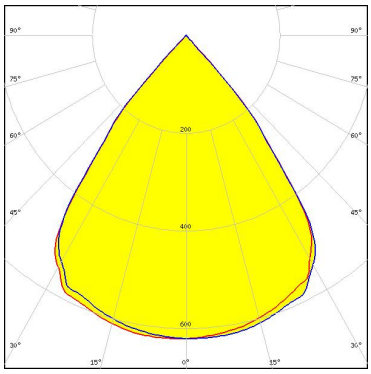


Light distribution files

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 4C Opt G1
FWHM / FWTM	76.0 + 75.5° / 87.5 + 87.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD



Light distribution files

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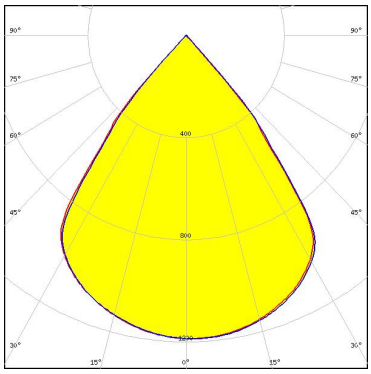
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 1120x28mm 4400lm 8x0 4C Opt G1
FWHM / FWTM	75.5 + 76.0° / 87.5°
Efficiency	85 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17481_DAISY-28X1-SHD-MATT

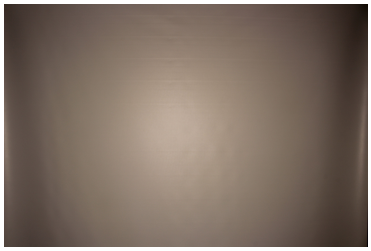


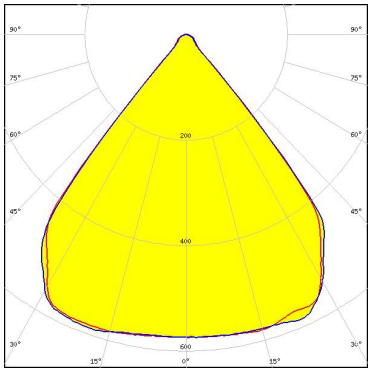
Light distribution files

NICHIA

LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	80.0° / 86.0°
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:
C16783_DAISY-28X1-SHD-WHT



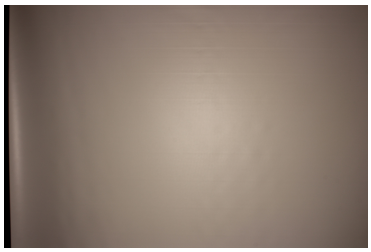


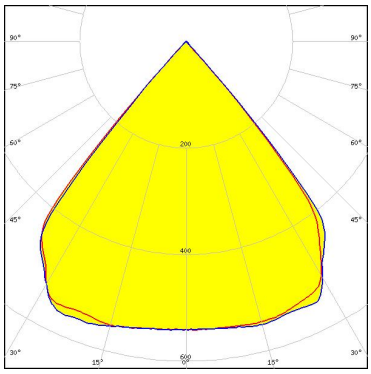
Light distribution files

NICHIA

LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	79.0° / 85.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:
C16585_DAISY-28X1-SHD





Light distribution files

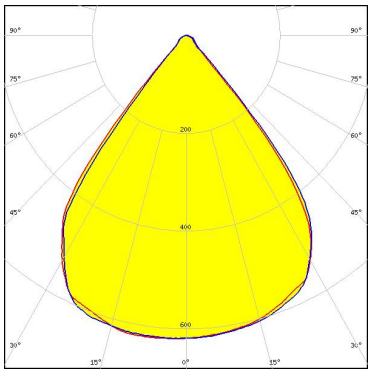
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	77.0° / 87.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16783_DAISY-28X1-SHD-WHT

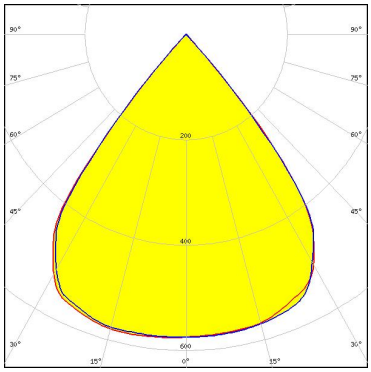


Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	78.0° / 86.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD

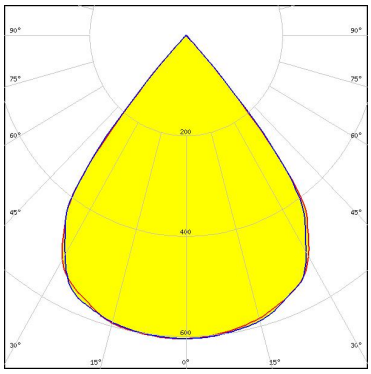


Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3528
FWHM / FWTM	77.0° / 86.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16585_DAISY-28X1-SHD



Light distribution files

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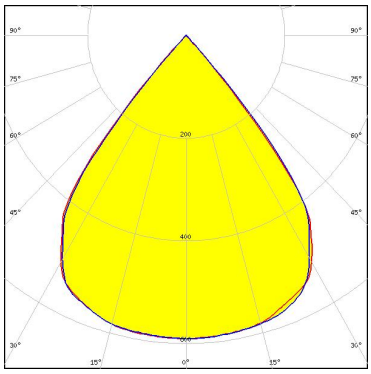
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

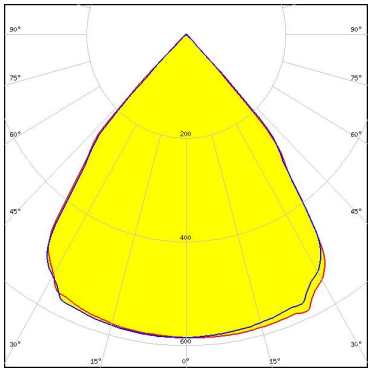
LED	SEOUL DC 3528
FWHM / FWTM	78.0° / 86.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

TEPCOMP group

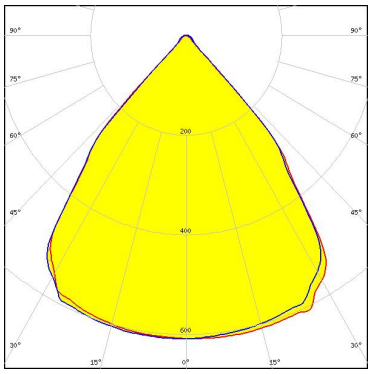
LED	PassivePAQ-L-2F35-SSA3-5.4K-840-3-DC
FWHM / FWTM	81.0° / 90.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

TEPCOMP group

LED	PassivePAQ-L-2F35-SSA3-5.4K-840-3-DC
FWHM / FWTM	82.0° / 90.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C16783_DAISY-28X1-SHD-WHT	



Light distribution files

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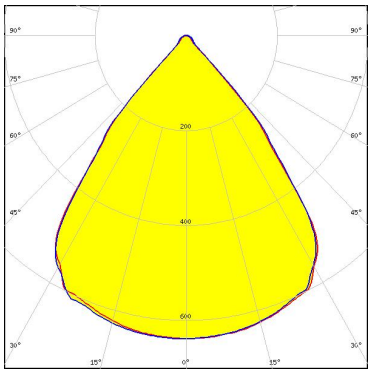
OPTICAL RESULTS (MEASURED):

TRIDONIC

LED	LLE 24x280mm 750lm 8x0 LVD ADV1
FWHM / FWTM	77.0° / 88.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16783_DAISY-28X1-SHD-WHT



Light distribution files

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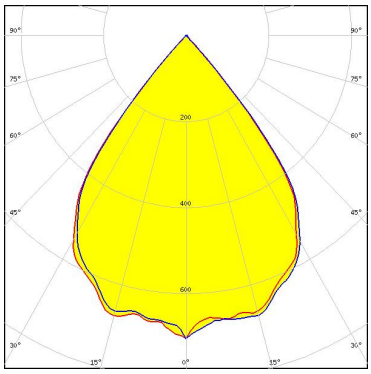
OPTICAL RESULTS (SIMULATED):

CREE LEDs

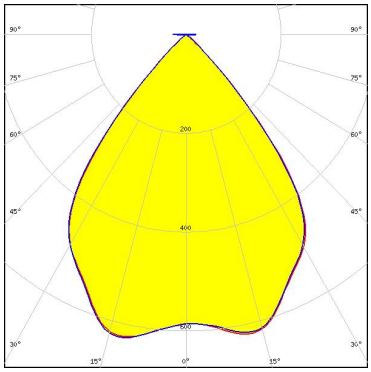
LED	J Series 2835
FWHM / FWTM	86.0° / 76.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

CREE LEDs

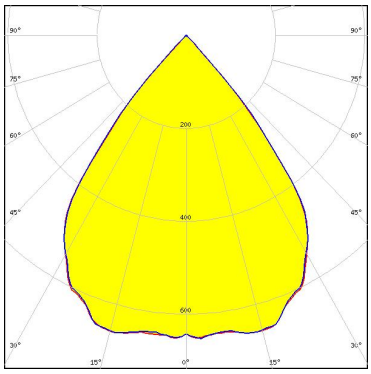
LED	XD16
FWHM / FWTM	76.0° / 93.0°
Efficiency	88 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

NICHIA

LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	76.0° / 88.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

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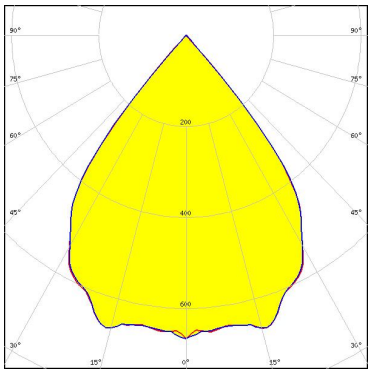
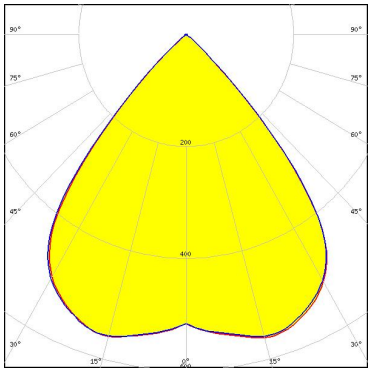
OPTICAL RESULTS (SIMULATED):

LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	76.0 + 78.0° / 86.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	2
Light colour/type	Tunable White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	79.2° / 94.2°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16585_DAISY-28X1-SHD	



Light distribution files

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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.

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