

## **JENNY-60**

~60° beam

#### **SPECIFICATION:**

Dimensions	35.0 x 35.0 mm
Height	13.4 mm
Fastening	pin
ROHS compliant	yes 🛈



#### **MATERIALS:**

Component JENNY-60

#### **Type** Single lens

Material	Colour	Finish
Silicone	clear	

#### **ORDERING INFORMATION:**

**Component** F15541\_JENNY-60 » Box size: 480 x 280 x 300 mm

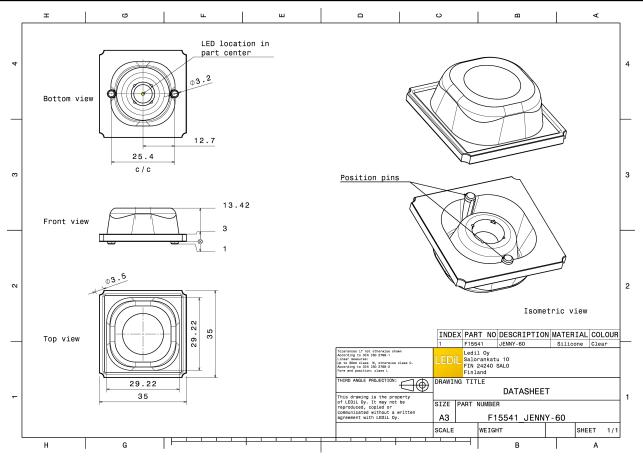
Qty in box	MOQ	MPQ	Box weight (kg)
1200	120	60	9.9

# PRODUCT DATASHEET F15541\_JENNY-60

Last update: 08/11/2023Subject to change without prior noticePublished: 21/01/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.1/10



# PRODUCT DATASHEET F15541\_JENNY-60



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

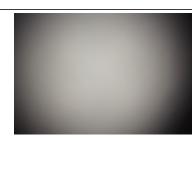


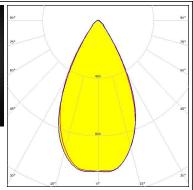
#### **OPTICAL RESULTS (MEASURED):**

## UMILEDS

LED	LU
FWHM / FWTM	55
Efficiency	93
Peak intensity	1.1
LEDs/each optic	1
Light colour	W
Required componer	nts:









		90° 90°
LED	MHD-E/G	75.
FWHM / FWTM	57.0° / 84.0°	
Efficiency	94 %	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	6°
Required components:		
		36° 30°
		90° 90°
LED	MK-R	75'
FWHM / FWTM	57.0° / 82.0°	
Efficiency	95 %	60°
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	43°
Required components:		
		30° 36°
		90 <sup>4</sup> 90 <sup>4</sup>
CREE ÷	XHP50.3 HD	50 <sup>4</sup>
	XHP50.3 HD 62.0° / 86.0°	39 <sup>4</sup> 39 20
LED		79.
LED FWHM / FWTM	62.0° / 86.0°	79.
LED FWHM / FWTM Efficiency	62.0° / 86.0° 96 %	79.
LED FWHM / FWTM Efficiency Peak intensity	62.0° / 86.0° 96 % 0.9 cd/lm	79.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	62.0° / 86.0° 96 % 0.9 cd/lm 1	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 86.0° 96 % 0.9 cd/lm 1	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 86.0° 96 % 0.9 cd/lm 1	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 86.0° 96 % 0.9 cd/lm 1	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0°	20 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 %	20 20 60 60 60 60 60 60 77 60 60 60 60 77 60 77 60 77 60 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 %	20 20 60 60 60 60 60 60 77 60 60 60 60 77 60 77 60 77 60 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 % 1.1 cd/lm	20 20 60 60 60 60 60 60 77 60 60 60 60 77 60 77 60 77 60 77 77 77 77 77 77 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	62.0° / 86.0° 96 % 0.9 cd/lm 1 White XHP50.3 HI 58.0° / 77.0° 97 % 1.1 cd/lm 1	



r		
		90° 90°
	VILIDE0	
LED	XHP70	75
FWHM / FWTM	59.0° / 86.0°	
Efficiency	93 %	60°
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	er /
Required components:		
		36° 1000 36° 35°
		90* 90*
LED	XHP70.3 HD	75"
FWHM / FWTM	62.0° / 92.0°	-200
Efficiency	96 %	60°
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	
Light colour	White	8°
Required components:		
		~~~~~
		36°
CREE ≑		90° 90°
		»·
LED	XHP70.3 HI	39 <sup>1</sup> 39 <sup>2</sup>
LED FWHM / FWTM	56.0° / 77.0 + 78.0°	20 <sup>1</sup> 20 <sup>2</sup>
LED FWHM / FWTM Efficiency	56.0° / 77.0 + 78.0° 97 %	99 <sup>1</sup> 79 10 <sup>1</sup> 600
LED FWHM / FWTM Efficiency Peak intensity	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm	59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1	59° - 400 - 50° 59° - 400 - 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm	55°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1	59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1	59°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1	59' 39 60' 60' 60' 60' 60' 60' 60' 60' 60'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1	55° 55° 55° 55° 55° 55° 55° 55°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	- 00 - 00 - 00 - 00 - 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	200 - 00 200 - 00 200 200 - 00 200 - 000 200 200 - 000 200 - 000 200 - 000 200 - 000 200 200 - 000 200 - 000 200 - 000 200 - 000 200 200 - 000 200 - 000 200 - 000 200 - 000 200 200 - 000 200 - 000 200 200 200 - 000 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White S LUXEON 7070 54.0° / 80.0° 91 % 1.1 cd/lm	200 - 00 200 - 00 200 200 - 00 200 - 00 200 200 - 00 200 200 - 000 200 200 - 000 200 - 000 200 - 000 200 - 000 200 - 000 200 200 - 000 200 - 000 200 - 000 200 200 - 000 200 200 - 000 200 200 - 000 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: UDMILED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	90 <sup>4</sup> 92 <sup>5</sup> 90 <sup>4</sup> 90 <sup>4</sup> 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White S LUXEON 7070 54.0° / 80.0° 91 % 1.1 cd/lm	200 - 00 200 - 00 200 200 - 00 200 - 00 200 200 - 00 200 200 - 000 200 200 - 000 200 - 000 200 - 000 200 - 000 200 - 000 200 200 - 000 200 - 000 200 - 000 200 200 - 000 200 200 - 000 200 200 - 000 200 200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: UDMILED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	00 - 00 00 - 00 00 - 00 00 - 00 00 - 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	00 - 00 00 - 00 00 - 00 00 - 00 00 - 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	00 - 00 00 - 00 00 - 00 00 - 00 00 - 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	56.0° / 77.0 + 78.0° 97 % 1.2 cd/lm 1 White	00 - 00 00 - 00 00 - 00 00 - 00 00 - 00 00 00 00 00 00 00 00 00 00



	s	90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SFT-40-WCS 60.0° / 74.0° 98 % 1.2 cd/lm 1	25
Light colour Required components:	White	gr
	s	90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SFT-70X-WCS 60.0° / 76.0° 98 % 1.1 cd/lm 1 White	27 67 60 60 60 60 60 60 60 60 60 60
	R	90° 90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SST-70X-WCS 60.0° / 79.0° 97 % 1.1 cd/lm 1 White	
<b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFMW48xA 54.0° / 78.0° 97 % 1.2 cd/lm 1 White	27 27 60 61 61 60 10 10 10 10 10 10 10 10 10 1



<b>ΜΝΙCΗΙΛ</b>		90° 90°
LED	NV4WB35AM	
FWHM / FWTM	58.0° / 76.0°	
Efficiency	93 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	er et
Required components:		
		30° 31°
Mauguna		15 1280 15°
<b>ΜΝΙCΗΙΛ</b>		90° 90°
LED	NVSxE21A	75'
FWHM / FWTM	51.0° / 77.0°	
Efficiency	94 %	60° 60°
Peak intensity	1.3 cd/lm	
LEDs/each optic	4	
Light colour	White	43°
Required components:		
		1270
		30° 15° 0° 15° 30°
OSRAM		00 <sup>6</sup>
Opto Semiconductors	Duris 040	
	Duris S10	73.
FWHM / FWTM Efficiency	49.0° / 77.0° 94 %	
Peak intensity	34 % 1.3 cd/lm	60° 60°
LEDs/each optic	1	$  \times /   \times   \times  $
Light colour		
Light colour	White	gr at
Required components:	White	97 - <u>80</u> - 97
Required components:	White	g*B00B7
Required components:	White	g ge
Required components:	White	
	White	
Required components:	White	
OSRAM	White Duris S8	
OSRAM Opto Semiconductors		20 00 00 00 00 00 00 00 00 00 00 00 00 0
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Duris S8	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Duris S8 50.0° / 77.0°	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Duris S8 50.0° / 77.0° 94 %	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Duris S8 50.0° / 77.0° 94 % 1.2 cd/m	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	Duris S8 50.0° / 77.0° 94 % 1.2 cd/m 1	gr
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Duris S8 50.0° / 77.0° 94 % 1.2 cd/m 1	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Duris S8 50.0° / 77.0° 94 % 1.2 cd/m 1	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Duris S8 50.0° / 77.0° 94 % 1.2 cd/m 1	30, 90, 90,   32, 90, 90,   36, 90, 90,   36, 90, 90,   36, 90, 90,   36, 90, 90,   36, 90, 90,   36, 90, 90,   36, 90, 90,



OSRAM		50° 50°
Opto Semiconductors		
FWHM / FWTM	OSCONIQ P 3737 (2W version) 56.0° / 75.0°	75°
	94 %	
Efficiency Peak intensity	94 % 1.2 cd/lm	60°
LEDs/each optic	1	$\times$ / / $\times$
Light colour	u White	45*
Required components:	White	- 800
Required components.		
		1220
		30° 36° 36° 36°
OSRAM		90° 90°
Opto Semiconductors	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	56.0° / 75.0°	75*
Efficiency	97 %	
Peak intensity	1.2 cd/lm	60* 60*
LEDs/each optic	1	$\times$ / / $\times$
Light colour	White	5°
Required components:		
		1200
		30
		15° 0° 15°
OSRAM Oto Semiconductors		90°
OSRAM Opto Semiconductors	OSCONIO P 7070	994 997 994
LED	OSCONIQ P 7070 55.0° / 79.0°	23- 29- 29- 29- 29- 29- 29- 29- 29- 29- 29
LED FWHM / FWTM	55.0° / 79.0°	
LED FWHM / FWTM Efficiency	55.0° / 79.0° 95 %	
LED FWHM / FWTM Efficiency Peak intensity	55.0° / 79.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0° / 79.0° 95 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity	55.0° / 79.0° 95 % 1.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 95 % 1.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 95 % 1.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 95 % 1.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	55.0° / 79.0° 95 % 1.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	55.0° / 79.0° 95 % 1.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	55.0° / 79.0° 95 % 1.1 cd/lm 1 White	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: second semiconductor LED	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM	55.0° / 79.0° 95 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stolul SEMICONDUCTOR LED FWHM / FWTM Efficiency	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22 48.0° / 72.0°	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22 48.0° / 72.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoou semconouctor LED FWHM / FWTM Efficiency Peak intensity	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22 48.0° / 72.0° 91 % 1.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22 48.0° / 72.0° 91 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22 48.0° / 72.0° 91 % 1.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 79.0° 95 % 1.1 cd/lm 1 White Z8Y22 48.0° / 72.0° 91 % 1.4 cd/lm 1	
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SEOUL SEMICONDUCTOR		<u>91</u> * 91*
LED	CUN66B1G	25
FWHM / FWTM	41.0° / 65.0°	60 <sup>1</sup>
Efficiency	88 %	
LEDs/each optic	1	
Light colour	UV-A	5°
Required componen	ts:	200 200 200 200 200 200 200 200 200 200