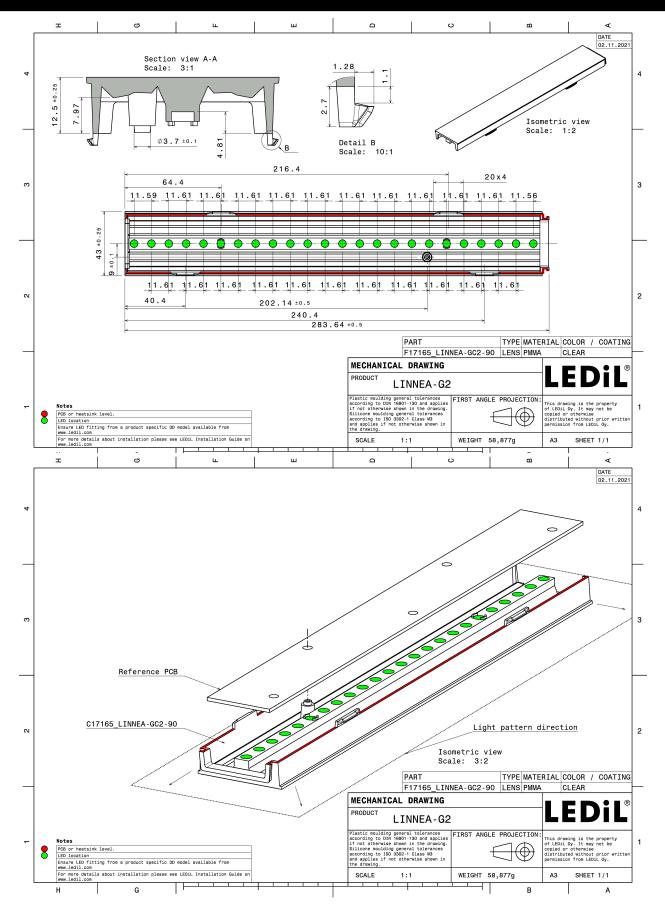


PRODUCT DATASHEET F17165_LINNEA-GC2-90

LINNEA-GC2-90				
~90° wide beam				
SPECIFICATION:				
Dimensions	283.6 x 43.0 mm			
Height	15.2 mm			
Fastening	clips			
ROHS compliant	yes 🛈			
MATERIALS:		LEDiĽ		
Component LINNEA-GC2-90	Type Linear lens	Material PMMA	Colour clear	Finish
ORDERING INFORMATION:				

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F17165_LINNEA-GC2-90	120	32	8	8.5
» Box size: 398 x 298 x 265 mm				

PRODUCT DATASHEET F17165_LINNEA-GC2-90



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



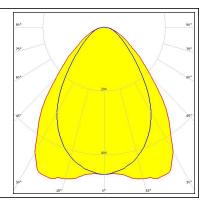
OPTICAL RESULTS (MEASURED):

TRIDONIC

LED

FWHM / FWTM73Efficiency88Peak intensity0.4LEDs/each optic1Light colourWRequired components:

LLE 24x280mm 1250lm HV HO ADV1 73.0 + 85.0° / 129.5 + 135.0° 88 % 0.5 cd/lm 1 White





bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Bridgelux SMD 2835 77.0 + 80.0° / 118.0 + 143.0° 88 % 0.5 cd/lm 1 White	20° - 20° - 20° 21° - 20° 21° - 20° 20° -
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 2835 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1 White	200 er (er 200 200 200 200 200 200 200 20
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 3030 72.0 + 79.0° / 116.0 + 132.0° 89 % 0.5 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White	



)S	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 % 0.5 cd/lm 2 White	
)S	90 ⁶
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1 White	
ΜΝΙCΗΙΛ		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2W585AR-P8 76.0 + 81.0° / 118.0 + 143.0° 91 % 0.5 cd/lm 1 White	
<i><i>(</i>)</i>		3251 04 355
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2W757G-MT (Tunable White) 76.0 + 80.0° / 117.0 + 142.0° 91 % 0.5 cd/lm 1 Tunable White	9°



ΜΝΙCΗΙΛ		90* 90*
LED	NFSW757H	
FWHM / FWTM	78.0 + 80.0° / 118.0 + 140.0°	75'
Efficiency	89 %	
Peak intensity	0.5 cd/lm	60 ⁷
LEDs/each optic	1	
Light colour	White	45
Required components:		
		400
		30°
		15° 0° 15°
MICHIΛ		90* 90*
LED	NFSx757G	
FWHM / FWTM	76.0 + 80.0° / 118.0 + 138.0°	37
Efficiency	91 %	50 ⁴
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	5 ²⁴
Required components:		
		440
		309 30
OSRAM		15% 0% 35%
OSRAM Opto Semiconductors		99° 99° 99°
LED	Duris E 2835	99 ⁴ 99 ⁴ 99 ⁴
LED FWHM / FWTM	76.0 + 80.0° / 118.0 + 139.0°	25° 0° 15°
LED FWHM / FWTM Efficiency	76.0 + 80.0° / 118.0 + 139.0° 89 %	60°
LED FWHM / FWTM Efficiency Peak intensity	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1	50° 0° 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1	30 ⁴ 32 ⁵ 6 ⁴ 32 ⁵ 60 ⁴ 200 6 ⁴ 5 ⁵ 90 ⁴ 00 ⁴ 15 ⁵ 6 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 118.0 + 139.0° 89 % 0.5 cd/lm 1 White Duris S5 (2 chip) 76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	



Depuis Semiconductors LED OSCONIQ C 2424 FWHM / FWTM 76.0 + 81.0° / 118.0 + 139.0° Efficiency 91 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:			
LED OSCONIQ C 224 EVM / FVTM 76.0 + 81.0' / 118.0 + 138.0'' Hidency 91% Pack Intensity 0.5 cd/m Light colour White Required components: EVM / FVTM 76.0 + 80.0'' / 116.0 + 136.0'' Hidency 89% Pack Intensity 0.5 cd/m LED/each optic 1 Light colour White Required components: EXAMS SUNG ELS/Each optic 1 Light colour White Required components: EXAMS Suries EVM / FVTM 73.0 + 78.0'' / 117.0 + 126.0'' Efficiency 86% Pack Intensity 0.5 cd/m LED/each optic 1 Light colour White Required components: EXAMS Suries EVM / FVTM 73.0 + 78.0'' / 117.0 + 126.0'' Efficiency 86% Pack Intensity 0.5 cd/m LED/each optic 1 LED/each o	OSRAM		90° 90°
PWHM / FWTM 76.0 + 81.0" / 118.0 + 139.0" Efficiency 9 1% Peak Intensity 0.5 cd/m LED&leach optic 1 Light colour White Required components: PORTAM DESTRIMENT LED SYNIOS S2222 PWHM / FWTM 76.0 + 80.0" / 116.0 + 136.0" Efficiency 98 Peak Intensity 0.5 cd/m LED&leach optic 1 LED&leach optic 3 SAMMSUNG Required components: White Required components: White Req			
Efficiency 91% Peak Intensity 0.5 cd/m EDS/each optic 1 Light colour White Required components:			75°
Peak Intensity 0.5 cd/im ED9/each optic 1 LED4 colour White Required components: SEMENTIES ED SYNIOS S2222 WMA / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak Intensity 0.5 cd/im LED4 components: SAMSUNG LED LM28/B Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak Intensity 0.5 cd/im LED5 cd/im LED4 LM28/B Series EWHM / STOR / 117.0 + 126.0° Efficiency 86 % Peak Intensity 0.5 cd/im LED4 LM28/B Series EWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 1 LED4 LM28/B Series EWHM / FWTM 75.0° / 117.0 + 126.0° Efficiency 86 % Peak Intensity 0.5 cd/im LED5 cd/im LED5 cd/im LED6 LM28/B Series EF0 LM301B FWHM / FWTM 75.0 + 101.0° Efficiency 89 %			
LEDsieach optic 1 Light colour White Required components:			60° 50°
Light colour White Required components: White Required components: ED SYNIOS 52222 WHM / FVTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/lm LEObeach optic 1 Light colour White Required components: SAMS UN C ELD X M22xB Series WHM / FVTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDSeach optic 1 Light colour White Required components: SAMS UN C ELD Seach optic 1 Light colour White Required components: SAMS UN C ELD With PWTM 75.0 + 78.0° / 118.0 + 140.0° Efficiency 98 %			
Required components: DESERM Minimum View View View View View View View View			ar
Description Method LED SYNIOS 52222 WHM / FVTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Pask intensity 0.5 cd/m LED scach optic 1 Light colour White Required components: Pask intensity SAMS SUNG 1 LED scach optic 1 Light colour White Required components: Pask intensity SAMS SUNG 1 LED scach optic 1 Light colour White Required components: Pask intensity SAMS SUNG 1 LED scach optic 1 <t< th=""><th></th><th>Wille</th><th></th></t<>		Wille	
Bellemanness LED SYNHOS S2222 FWHM / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 LEDs/each opti	Required components.		
Bellemanness LED SYNHOS S2222 FWHM / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 LEDs/each opti			
Bellemanness LED SYNHOS S2222 FWHM / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 LEDs/each opti			
Bellemanness LED SYNHOS S2222 FWHM / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 LEDs/each opti			36° 36° 36°
LED SYNOS S2222 WHM / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG Efficiency White Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %	OSRAM		90° 90°
FWHM / FWTM 76.0 + 80.0° / 116.0 + 136.0° Efficiency 89 % Peak intensity 0.5 cd/lm LED Light colour White Required components: SAMSUNG Image: Component State S	LED	SYNIOS S2222	
Efficiency 89 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			75°
Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 90.0° / 118.0 + 140.0° Efficiency 89 %			
LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 col/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %	-		60* 60*
Light colour White Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 col/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 1 LEDs White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
Required components: SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			95°
SAMSUNG LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %	noquirou componente.		440
LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			30 ⁶ 15° 0° 15°
LED LM28xB Series FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %	SAMSUN	IG	90* 90*
FWHM / FWTM 73.0 + 78.0° / 117.0 + 126.0° Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component (Component (C			
Efficiency 86 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			75' 75'
Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			60* 60* 60*
Light colour White Required components: White SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			$\langle / / / \rangle \langle / \rangle \rangle$
Required components:			gr av
SAMSUNG LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			400
LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			30° 15° 0° 15°
LED LM301B FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %	SAMSII	IG	90° 90°
FWHM / FWTM 76.0 + 80.0° / 118.0 + 140.0° Efficiency 89 %			
Efficiency 89 %			75* 75*
			60* 60*
	LEDs/each optic		
	Light colour		43*
		AALUCE	
	Required components:		
	Required components:		400
	Required components:		40
	Required components:		10



SAMSU	NG	90 ¹⁴ 90 ¹⁴
LED	LM301D	
FWHM / FWTM	76.0 + 80.0° / 118.0 + 138.0°	
Efficiency	89 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9 ¹
Required component	s:	
		×. ×.
		10 ⁵ 0 ⁶ 10 ⁵
SAMSU	NG	9)* 9)*
LED	LM301Z Plus	
FWHM / FWTM	76.0 + 80.0° / 118.0 + 140.0°	75
Efficiency	87 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
	140.1	
Light colour	White	
Light colour Required component		
-		
-		
-		



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.

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LEDiL Oy

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