

neumueller.com PRODUCT DATASHEET C13499_STRADA-2X2-CY

STRADA-2X2-CY

Beam for canopy lighting with batwing light distribution. Suitable for symmetrical tunnel lighting.

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	6 mm
Fastening	screw
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component STRADA-2X2-CY

Туре	
Multi-lens	

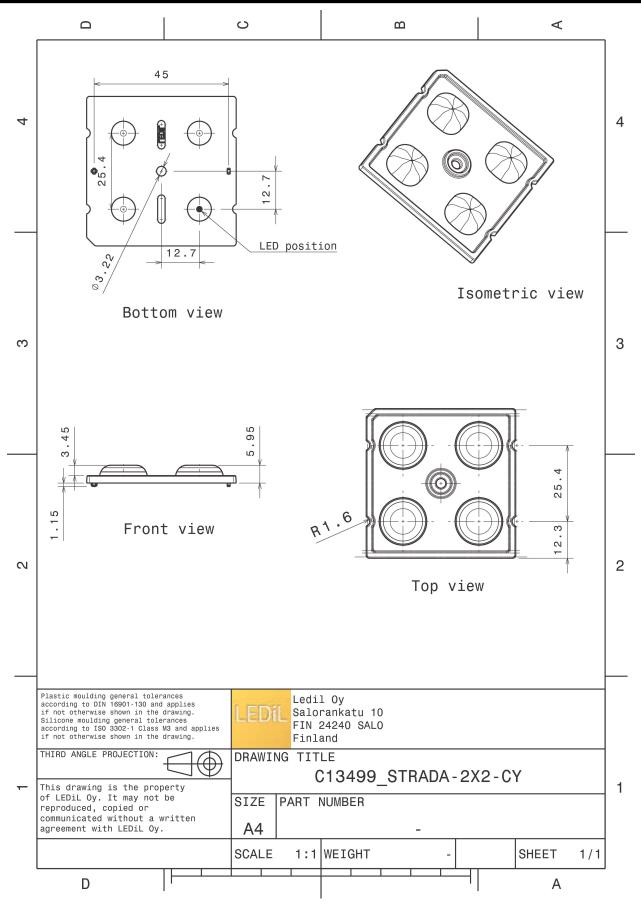
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13499_STRADA-2X2-CY	800	160	160	6.2
» Box size: 480 x 280 x 300 mm				



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



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bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	90° 73° 60° 60° 73° 60° 73° 50° 60° 60° 60° 60° 60° 60° 60° 6
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XD16 125.0 + 124.0° 94 % 0.3 cd/lm 4 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XD16 132.0 + 130.0° 94 % 0.4 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XM-L 126.0° 94 % 0.3 cd/lm 1 White	



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CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XM-L2 121.0° 94 % 0.3 cd/lm 1 White	50° (0°) 10° (0
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XM-L3 Asymmetric 98 % 0.3 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G 131.0° 94 % 0.3 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G2 129.0° 94 % 0.3 cd/lm 1 White 4	



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CREE ≑	,	
LED	XP-G3	90° 90°
FWHM	Asymmetric	750 %
Efficiency	83 %	
Peak intensity	0.4 cd/lm	. 60*
LEDs/each optic		
Light colour	White	
Required compon		****
	DA-2X2-SHD-WHT	
—		
		30° 50 13° 30°
CREE ≑	•	90* 90*
LED	XP-G3	
FWHM	Asymmetric	739 72
Efficiency	62 %	100
Peak intensity	0.3 cd/lm	60° 60°
LEDs/each optic		
Light colour	White	45'
Required compon		XMX
	DA-2X2-SHD-BLK	340
		\times / \setminus \times
		400
		30° 30° 10° 30°
CREE 4		
		22.
LED	XP-G3	21
LED FWHM	XP-G3 131.0 + 132.0°	92° 92° 70° 92°
LED FWHM Efficiency	XP-G3 131.0 + 132.0° 94 %	
LED FWHM Efficiency Peak intensity	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm	90° 90° 75° 100 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1	
Peak intensity LEDs/each optic Light colour	XP-G3 131.0 + 132.0° 94 % 94 % 0.3 cd/lm 1 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	XP-G3 131.0 + 132.0° 94 % 94 % 0.3 cd/lm 1 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 131.0 + 132.0° 94 % 94 % 0.3 cd/lm 1 1 White	50° 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 131.0 + 132.0° 94 % 94 % 0.3 cd/lm 1 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents:	200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents:	30* 30 30* 30
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 % 0.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 % 0.3 cd/lm 1 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 131.0° 94 % 131.0° 94 % 131.0° 130.0° 130.	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 131.0° 94 % 131.0° 94 % 131.0° 130.0° 130.	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 131.0° 94 % 131.0° 94 % 131.0° 130.0° 130.	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 131.0 + 132.0° 94 % 0.3 cd/lm 1 White ents: XP-L HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 0.3 cd/lm 1 White HD 131.0° 94 % 131.0° 94 % 131.0° 94 % 131.0° 130.0° 130.	



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CREE ¢ LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-L HI 127.0° 94 % 0.3 cd/lm 1 White	50° 73° 60° 50° 60° 50° 60° 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-L2 127.0° 94 % 0.3 cd/lm 1 White	90° 73° 60° 200 200 60°, 200 60°, 200 60°, 200 60°, 200 60°, 200 60°, 200 60°, 200 60°, 60°, 60°, 60°, 60°, 60°, 60°, 60
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XT-E 136.0° 94 % 0.3 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required comport	LUXEON 5050 Round LES 121.0° 94 % 0.3 cd/lm 1 White	200 200 200 200 200 200 200 200 200 200
		30° 30° 30° 10° 10°



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EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON MZ 123.0° 94 % 0.4 cd/lm 1 White	90° 10° 60° 60° 60° 50° 50° 60° 60° 50° 60° 60° 60° 60° 60° 60° 60° 6
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON Q 134.0° 94 % 0.3 cd/lm 1 White	90° 92° 73° 73° 60° 200 60°
LUMILI LED FWHM Efficiency	EDS LUXEON T 127.0° 94 %	20° 20° 20° 20° 20°
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON TX 123.0° 94 % 0.3 cd/lm 1 White	22 ⁴ 0 ⁴ 2 ⁴ ⁹



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🕐 LUMIL	EDS	90*	90*
LED	LUXEON V		
FWHM	125.0 + 123.0°	73*	78°
Efficiency	94 %		
Peak intensity	0.3 cd/lm	.50*	60*
LEDs/each optic			
Light colour	White	45*-	5*
Required compor			
		300	-t-l
		/30 ⁴ 13 ⁵ 160	15° 30°
C LUMI	NUS		
LED	SST-10-B130	90*	90*
FWHM	126.0°	75.0	75°
Efficiency	97 %		
Peak intensity	0.4 cd/lm		60*
LEDs/each optic		- 200-	
Light colour	Deep Red		
Required compor		457 300	
Required compor		\times	
		400	+
		\times	\setminus
		30* 15 ³ 50	10* 30*
MST Your solution	ons		H
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	90*	90*
FWHM	Asymmetric		700
		754	
		75%-	
Efficiency	98 %	75° 50°	604
Efficiency Peak intensity	98 % 0.4 cd/lm	39 60* 200	60*
Efficiency Peak intensity LEDs/each optic	98 % 0.4 cd/lm 1	20 60* 200	
Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.4 cd/lm 1 White	20 20 20 20 20 20	67.
Efficiency Peak intensity LEDs/each optic	98 % 0.4 cd/lm 1 White	20 60* 40* 40* 50	67
Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.4 cd/lm 1 White	50°	67
Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.4 cd/lm 1 White	20 60* 40* 40	67
Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.4 cd/lm 1 White	50 60* 67 67 67 67 67 67 67 69 69 69 69 69 69 69 69 69 60 60 60 60 60 60 60 60 60 60 60 60 60	19° - 30'
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents:	20 60 ⁺ 20 90 50 ⁺ 20 90 50 ⁺ 20 90 60 60 60 60 60 60 60 60 60 60 60 60 60	64
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White eents:	20 50 50 50 50 50 50 50 50 50 50 50 50 50	64 53 53 59 64
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D	50 50 50 50 50 50 50 50 50 50 50 50 50 5	64 67 67 67 67 67 67 67 67 67 67 67 67 67
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D Asymmetric		67 67 19 92 92
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D Asymmetric 94 %	50 60 ⁺ 0 ⁺ 0 ⁺ 0 ⁺ 0 ⁺ 0 ⁺ 0 ⁺ 0 ⁺	12°
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White ments: NVSW219D Asymmetric 94 % 0.3 cd/lm		12°
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White ments: NVSW219D Asymmetric 94 % 0.3 cd/lm 1		64 132 132 132 132 132 132 132 132 132 132
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D Asymmetric 94 % 0.3 cd/lm 1 White		64 67 07 07 07 07 07 07 07
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D Asymmetric 94 % 0.3 cd/lm 1 White		64 67 67 67 67 67 67
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D Asymmetric 94 % 0.3 cd/lm 1 White		64 67 67 67 67 67
Efficiency Peak intensity LEDs/each optic Light colour Required compor	98 % 0.4 cd/lm 1 White nents: NVSW219D Asymmetric 94 % 0.3 cd/lm 1 White		67 67 67 67 67 67 67 67



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Μ ΝΙCΗΙΛ		90* 90*
LED	NVSW219F	
FWHM	123.0°	73* 75*
Efficiency	97 %	500
Peak intensity	0.3 cd/lm	60* (C) 60*
LEDs/each optic		200
Light colour	White	45*
Required compon		
		30
		X X
		an+ 400 art
		13 ⁵ 0 ⁶ 15 ⁶
ΜΝΙCΗΙΛ		90* 90*
LED	NVSW319B	
FWHM	125.0°	75°
Efficiency	98 %	
Peak intensity	0.3 cd/lm	ee*
LEDs/each optic	1	
Light colour	White	45'
Required compon	ents:	300
		30° 400 30°
		15 ⁵ 0 ⁶ 15 ⁶
ØΝΙCΗΙΛ		8%* 9%*
LED	NVSW3x9A	22 ³ 0 ³ 25 ³
LED FWHM	NVSW3x9A 129.0 + 128.0°	22 ³ 0 ³ 25 ⁴
LED FWHM Efficiency	NVSW3x9A 129.0 + 128.0° 94 %	25 ³ 0 ³ 15 ³ 99 ⁴ 72 ⁵ 00 ⁴ 00 ⁴
LED FWHM Efficiency Peak intensity	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm	22 ³ 0 ³ 23 ³ 99 ⁴ 72 ³ 00 ⁴ 90 200 00 ⁴ 00 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1	22 ³ 0 ³ 23 ³ 99 [*] 73 ³ 00 [*] 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White	6, 6, 10, 10, 10, 10, 10, 10, 10, 10
LED FWHM Efficiency Peak intensity LEDs/each optic	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White	20° 0° 10° 20° 0° 0° 30° 0°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White	20° 0° 10° 73° 0° 10° 73° 0° 60° 0° 60° 0° 70° 60° 0° 70° 60° 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White	20° 0° 23° 20° 0° 20° 20° 20° 20° 20° 20° 20° 2
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White	200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 % 0.4 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 129.0 + 128.0° 94 % 0.3 cd/lm 1 White ents: NVSxE21A 125.0° 94 % 0.4 cd/lm 1 White	



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-		
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	200 200 200 200 200 200 200 200
OSRAM		
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required composition	White	9° 73 60° 6° 6° 6° 6°
Required compor	ents:	300
		130° 400 130° 13° 0° 13° 30°
OSRAM Opto Semiconductors		50°
LED FWHM	OSLON Square CSSRM2/CSSRM3 128.0 + 127.0°	75 - 20
Efficiency Peak intensity LEDs/each optic	94 % 0.4 cd/lm 1	er Be
Light colour	White	45° 45°
Required compor	ents:	200 200 200 200 200 200 200 200 200 200
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	6° - 0°
		400



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PHILIP	'S	90° 90°
LED	Fortimo FastFlex LED 2x8 DA G4	
FWHM	125.0°	73°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60 ⁴ (
LEDs/each optic		
Light colour	White	45* 45*
Required compon	ents:	300
		\times / \times
		460
		30" <u>15</u> 0° 15° 30"
PHILIP	S	91* 91*
LED	Fortimo FastFlex LED 2x8 DA G4+	
FWHM	127.0°	750 770
Efficiency	98 %	
Peak intensity	0.3 cd/lm	60 ⁴ () 60 ⁴
LEDs/each optic		
Light colour	White	45*
Required compon		
		300
		\times / \mid \setminus \times
		30° 400 30° 30°
		20 V 20
PHILIP	S	90° 90°
PHILIP LED FWHM	S Fortimo FastFlex LED 2x8 DAX G4 131.0°	
LED FWHM	Fortimo FastFlex LED 2x8 DAX G4	
LED FWHM Efficiency	Fortimo FastFlex LED 2x8 DAX G4 131.0°	
LED FWHM	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm	
LED FWHM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents: NG HiLOM RC12 Z (LH181B)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White lents: NG HILOM RC12 Z (LH181B) 120.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White ents: NG HiLOM RC12 Z (LH181B) 120.0° 99 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White ents: NG HiLOM RC12 Z (LH181B) 120.0° 99 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents: NG HiLOM RC12 Z (LH181B) 120.0° 99 % 0.4 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents: NG HiLOM RC12 Z (LH181B) 120.0° 99 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents: NG HiLOM RC12 Z (LH181B) 120.0° 99 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents: NG HiLOM RC12 Z (LH181B) 120.0° 99 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo FastFlex LED 2x8 DAX G4 131.0° 94 % 0.3 cd/lm 1 White tents: NG HiLOM RC12 Z (LH181B) 120.0° 99 % 0.4 cd/lm 1 White	



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0.0.0.0.0		
SAMSU	ING	90° 90°
LED	HiLOM RH12 Z (LH351C)	
FWHM	121.0°	100
Efficiency	97 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	20
Light colour	White	45* 65*
Required compor	nents:	300
		\times / \setminus \times
		400
		30*. 30*
0.0.0.0.0		125 ³ 0 ⁶ 15 ⁴
SAMSU	ING	90* 90*
LED	HiLOM RH16 (LH351C)	
FWHM	121.0°	75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	50° (60°
LEDs/each optic	1	
Light colour	White	45* 45*
Required compor	nents:	300
		400
0.0.0.0		15 ⁵ 0 ⁶ 15 ⁶
SAMSU	ING	12 ² 0 ⁴ 12 ⁵
		99°
	HiLOM RM12 Z (LH502C) 120.0°	
LED	HiLOM RM12 Z (LH502C)	132° 0° 12° 132° 0° 12°
LED FWHM Efficiency	HiLOM RM12 Z (LH502C) 120.0°	20 ³ 0 ³ 25 ³
LED FWHM Efficiency	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm	20 ¹ 0 ² 15 ¹
FWHM Efficiency Peak intensity	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White	22 ³ 0 ³ 25 ⁴
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White	20° 0° 2° 10° 0° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White	25 ² 6 ² 25 ²
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White	22 ³ 0 ³ 25 ³
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents:	200 200 200 200 200 200 200 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NG HiLOM RM16 Z (LH502C)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NG HiLOM RM16 Z (LH502C) 120.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NCC HiLOM RM16 Z (LH502C) 120.0° 99 % 0.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SANSU LED FWHM Efficiency Peak intensity LEDs/each optic	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NCC HiLOM RM16 Z (LH502C) 120.0° 99 % 0.3 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency Peak intensity	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NCC HiLOM RM16 Z (LH502C) 120.0° 99 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SANSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NCC HiLOM RM16 Z (LH502C) 120.0° 99 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SANSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NCC HiLOM RM16 Z (LH502C) 120.0° 99 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM RM12 Z (LH502C) 120.0° 98 % 0.3 cd/lm 1 White hents: NCC HiLOM RM16 Z (LH502C) 120.0° 99 % 0.3 cd/lm 1 White	



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SAMSUNG LED HiLOM RM8 Z (LH502C) FWHM Asymmetric Efficiency 99 % Peak intensity 0.3 cd/lm LEDs/aach optic 1 Light colour White Required components: ####################################	92 92 60 93 94 94 94 95 95 95 95
FWHM Asymmetric Efficiency 99 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components:	27 64 77 77 77 77 77 77 77 77 77 77 77 77 77
Efficiency 99% Peak intensity 0.3 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C SAMSUNG LED LH351C	20 ¹ 20 ¹ 2
Peak intensity 0.3 cd/lm LEDS/each optic 1 Light colour White Required components: SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDS/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	6 ⁴
LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	
Light colour White Required components: SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	23 ²
Required components: SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/m LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	5°
SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	51 ²
SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	30 ² 92 92 87 87
SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	33 ⁴ 99 ⁷ 92 60 ⁴
SAMSUNG LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	81 ⁴
LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	99 ⁷ 92 ⁷ 64
LED LH351B FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	5°
FWHM 126.0° Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component state s	61
Efficiency 94 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	67
Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	601
LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351C	43*
Light colour White Required components: SAMSUNG LED LH351C	45*
Required components:	
SAMSUNG LED LH351C	
LED LH351C	
LED LH351C	
LED LH351C	
LED LH351C	30e/
LED LH351C	90*
FWHM 123.0°	750
Efficiency 94 %	
Peak intensity 0.4 cd/lm	60*
LEDs/each optic 1	
Light colour White	45*
Required components:	
40	
	30*
	_
SAMSUNG	90*
LED LH508A	
FWHM 122.0°	100
Efficiency 94 %	
Peak intensity 0.3 cd/lm	<u> </u>
LEDs/each optic 1	
Light colour White	/ 65*
Required components:	
30	



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SEOUL		
SEOUL SEMICONDUCTOR	Z5M1/Z5M2	
	122.0°	75° 75'
	94 %	
	0.4 cd/lm	604
LEDs/each optic		200
	White	
Required compon		300
		400
		36° 15° 36°
SEOUL		
SEOUL SEMICONDUCTOR	Z5M3	90* 90*
		75° 75°
	Asymmetric 94 %	
	0.3 cd/lm	.60 ⁴ 60 ⁴
LEDs/each optic		
	White	
Required compon		
	616.	300
		30 ⁴ 400 30 ⁴
SEOUD		50* <u>400</u> 50* 15 ² 0 ⁴ 13 ⁴ 50*
SEOUL SEMICONDUCTOR	75.114	30* 400 30* 12 ³ 0 ³ 12 ³ 30 ⁴ 90* 90* 90* 90*
seoul semiconductor	Z5M4	201 201 201 201 201 201 201 201 201 201
seoul semiconductor LED FWHM	Asymmetric	20°
seoul semiconductor LED FWHM Efficiency	Asymmetric 97 %	50° 10° 10° 20° 90° 0° 10° 10° 70° 0° 70° 0
seoul semiconductor LED FWHM Efficiency Peak intensity	Asymmetric 97 % 0.4 cd/lm	20° - 20° -
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.4 cd/lm 1	20° - 20° -
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.4 cd/lm 1 White	20°
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.4 cd/lm 1 White	200 ⁻ 20 ⁻ 2
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.4 cd/lm 1 White	200 - 200 - 20° 200 - 20° 200 - 20° 200 - 6° 200 - 6° 200 - 6° 200 - 6°
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 97 % 0.4 cd/lm 1 White	200 - 20 200 -
SEOUL SEMICONDUCTOR LED FWHM Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White ents:	Bit Bit 20x 20x 20x 20x 20x </th
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White ents: Z8Y22	200
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White ents: Z8Y22 127.0 + 124.0°	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency	Asymmetric 97 % 0.4 cd/lm 1 White ents:	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity	Asymmetric 97 % 0.4 cd/lm 1 White ents:	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.4 cd/lm 1 White ents:	
seoul semconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White ents:	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 97 % 0.4 cd/lm 1 White ents:	
seoul semconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White ents:	
seoul semconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 97 % 0.4 cd/lm 1 White ents:	



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TOSHIBA Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	97* 90* 39 61* 50 67* 50 67* 50 70 67* 67* 70 67* 67*
		30° 30° 30° 30°
TOSHIBA Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	
TRIDON		
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE 2x4 2000lm HP EXC2 OTD 128.0° 94 % 0.4 cd/lm 1 White	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE 2x8 4000Im HP EXC2 OTD 128.0° 94 % 0.4 cd/Im 1 White	99° 99° 90° 90° 90° 90° 90° 90° 90° 90°



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TRIDON		
LED	RLE G1 49x121mm 2000lm xxx EXC OTD	
FWHM	119.0 + 117.0°	75° 70°
		200
Efficiency	94 %	604 604
Peak intensity	0.4 cd/lm	400
LEDs/each optic		
Light colour	White	45* 600 45*
Required compor	nents:	
		30° 30°
		15 ⁵ 1000 10 ⁴
TRIDON		90* 91*
LED	RLE G1 49x133mm 2000lm xxx EXC OTD	
FWHM	119.0 + 117.0°	75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60*60*
LEDs/each optic		400
	White	
Light colour		45* 600 43*
Required compor	ients:	
		800
		\times / T / \times
		30* 30*
TDIDON		
TRIDON	IIC	
	RLE G1 49x223mm 4000lm xxx EXC OTD	90°
LED	RLE G1 49x223mm 4000lm xxx EXC OTD	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
LED FWHM	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0°	
LED FWHM Efficiency	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0°	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Required compor Equired compor Equired compor Equired compor Equired compor Equired comport Equired comport Eq	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Required compor Equired compor Equired compor Equired compor Equired compor Equired comport Equired comport Eq	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD 119.0 + 117.0° 94 % 0.4 cd/lm 1 White	



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CREE ≑		
LED	MHB-A/B	90* P0*
FWHM	117.0 + 116.0°	75° 78°
Efficiency	94 %	100
Peak intensity	94 % 0.3 cd/lm	50* 60*
LEDs/each optic	1	
Light colour	White	45°
Required compone	IIS.	
		300
		\times / [\ \times
		30* <u>35</u> <u>5</u> <u>30</u> *
CREE ≑		
		90 ⁺
LED	XHP35 HD	75
FWHM	Asymmetric	
Efficiency	96 %	60*
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	5°
Required component	nts:	
		300
		30* 30* 30*
CREE ≑		
		90° 90°
LED	XP-G2 HE	
FWHM	126.0°	100 N
Efficiency	95 %	50° (()) 60°
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	45° 45°
Required component	nts:	310
		30* 10 ⁴ 30* 30*
CREE 🔶		
		90* 90*
LED	XP-G3	710
FWHM	126.0°	
Efficiency	86 %	505 604
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	40°
Required component	nts:	
Protective pla	ate alass	300
Frotective pla	ale, yiass	
		30* 30*



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UMILE	DS	90*
LED	LUXEON 3030 2D (Round LES)	75
FWHM	118.0° 94 %	
Efficiency Rock intensity		50
Peak intensity	0.4 cd/lm 1	
LEDs/each optic	ı White	
Light colour Required componer		47' 200
		20° 12° 20° 12° 3
	DS	8.
LED	LUXEON 3030 2D (Square LES)	
FWHM	119.0°	730
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45+
Required componer	ts:	**
		410
		122 %
		90*9
LED	LUXEON 5050 Square LES	70
FWHM	118.0°	
Efficiency	96 %	. eit
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	ts:	
		20* 12 ³ 60, 12* 3
Μ ΝΙCΗΙΛ		90°
	NFMW48xA	90°
NICHIA LED FWHM	NFMW48xA 120.0°	30 ⁺
LED FWHM		30* 30 [*] 30
LED	120.0°	20* 25 <u>66</u> 15* 2 29 29 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity	120.0° 96 %	
LED FWHM Efficiency Peak intensity LEDs/each optic	120.0° 96 % 0.3 cd/lm	20° 12° 26° 21° 2
LED FWHM Efficiency Peak intensity	120.0° 96 % 0.3 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	120.0° 96 % 0.3 cd/lm 1 White	20° 10° 200 00°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	120.0° 96 % 0.3 cd/lm 1 White	20* 20* 200 90* 200 90* 200 00* 200 00* 200 00* 200 00* 00* 00* 00* 00* 00* 00* 00* 00* 00*



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Mana		
ΜΝΙCΗΙΛ		004 004
LED	NV4WB35AM	
FWHM	120.0°	750 750
Efficiency	96 %	100
Peak intensity	0.3 cd/lm	604 601
LEDs/each optic	1	
Light colour	White	
Required components		45*
Required components	S.	
		30* 400 15* 0° 15* 30*
ΜΝΙCΗΙΛ		
LED	NVSW319B	90*
FWHM	126.0°	750 780
Efficiency		
Peak intensity	88 % 0.3 cd/lm	50° 60°.
LEDs/each optic	1	
Light colour	White	45° 45°
Required components	5.	300
Protective plate	e, glass	
i retestire plat	, 9.400	\times
		30* 400 30* 30*
ΜΝΙCΗΙΛ		90° 90°
LED	NVSW519A	
FWHM	125.0°	75° 78°
Efficiency	89 %	100
Peak intensity		50*
	U.3 CO/IM	
	0.3 cd/lm 1	
LEDs/each optic	1	- <u>20</u>
LEDs/each optic Light colour	1 White	
LEDs/each optic Light colour Required components	1 White s:	
LEDs/each optic Light colour	1 White s:	5°
LEDs/each optic Light colour Required components	1 White s:	00 00 00 00 00 00 00 00 00 00 00 00 00
LEDs/each optic Light colour Required components	1 White s:	200 - 12 ² - 20 ²
LEDs/each optic Light colour Required components	1 White s:	20°
LEDs/each optic Light colour Required components Protective plate	1 White s:	
LEDs/each optic Light colour Required components Protective plate	1 White s: e, glass	
LEDs/each optic Light colour Required components Protective plate	1 White s: e, glass NVSW519A 126.0°	200 200 200 200 200 200 200 200
LEDs/each optic Light colour Required components Protective plate NICHIA LED FWHM Efficiency	1 White s: e, glass NVSW519A	
LEDs/each optic Light colour Required components Protective plate MICHIA LED FWHM Efficiency Peak intensity	1 White s: e, glass NVSW519A 126.0° 93 %	
LEDs/each optic Light colour Required components Protective plate NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	1 White s: e, glass NVSW519A 126.0° 93 % 0.4 cd/lm 1	
LEDs/each optic Light colour Required components Protective plate NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White s: e, glass NVSW519A 126.0° 93 % 0.4 cd/lm 1 White	
LEDs/each optic Light colour Required components Protective plate MICHIA LED FWHM Efficiency Peak intensity LEDs/each optic	1 White s: e, glass NVSW519A 126.0° 93 % 0.4 cd/lm 1 White	
LEDs/each optic Light colour Required components Protective plate MICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White s: e, glass NVSW519A 126.0° 93 % 0.4 cd/lm 1 White	
LEDs/each optic Light colour Required components Protective plate MICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	1 White s: e, glass NVSW519A 126.0° 93 % 0.4 cd/lm 1 White	



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Μ ΝΙCΗΙΛ		90*
LED	NVSxx19B/NVSxx19C	
FWHM	122.0°	750
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		
Required componer	15.	
		40
		\times / \land λ
		30* 35° 98 15° 3
OCDAM		
OSRAM		30* 9
LED	PrevaLED Brick HP 2x8	
FWHM	122.0°	
Efficiency	92 %	
Peak intensity	0.4 cd/lm	20° Con 200 / °
LEDs/each optic	1	
Light colour	White	57
Required componer	ts:	
		40
		30** 500 3 15 ³ 0 ⁴ 15*
OSRAM Opto Semiconductors		8°
LED	OSCONIQ P 3030	
FWHM	125.0°	754
Efficiency	96 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		***
rtoquirou componer		\times
		40
		30* 50 15° 3
OSRAM		
Opto Semiconductors		8,
LED	OSCONIQ P 3737 (2W version)	70
FWHM	114.0°	
Efficiency	93 %	er station and the state of the
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	1 Ann
Light colour	White	45*
Required componer	ts:	
		40
		304
		13 ⁵ 0 ⁶ 15 ⁴



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OCDAM		
OSRAM Opto Semiconductors		30"
LED	OSCONIQ P 3737 (3W version)	
FWHM	106.0 + 114.0°	75%
Efficiency	94 %	
Peak intensity	0.3 cd/lm	- 60 ⁵ () () () () () () () () () (
LEDs/each optic	1	
Light colour	White	
Required componer		
		30
		\times
		100
		30" 15" 0° 15" 30"
OSRAM Opto Semiconductors		84
LED	OSLON Square CSSRM2/CSSRM3	
FWHM	122.0°	75%
Efficiency	89 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Required component	113.	
Protective pla	ate, glass	
•		
		30* 15 ⁵ 0 ⁶ 15 ⁴
SAMSU	NG	
LED		
	HiLOM RH12 Z (LH351C)	751
FWHM	121.0°	75 75
FWHM Efficiency	121.0° 87 %	72° 72' 50° 60°
FWHM Efficiency Peak intensity	121.0° 87 % 0.3 cd/lm	72° 72' 60° 60°
FWHM Efficiency Peak intensity LEDs/each optic	121.0° 87 % 0.3 cd/lm 1	200
FWHM Efficiency Peak intensity LEDs/each optic Light colour	121.0° 87 % 0.3 cd/lm 1 White	200 50 50 50 50 50 50 50 50 50 50 50 50 5
FWHM Efficiency Peak intensity LEDs/each optic	121.0° 87 % 0.3 cd/lm 1 White	725 - 100 - 75 61 ⁴ - 200 - 61 ⁴ 62 ⁴ - 200 - 61 ⁴
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	121.0° 87 % 0.3 cd/lm 1 White hts:	72 - 100 - 72 - 72 - 72 - 72 - 72 - 72 - 72 -
FWHM Efficiency Peak intensity LEDs/each optic Light colour	121.0° 87 % 0.3 cd/lm 1 White hts:	200
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	121.0° 87 % 0.3 cd/lm 1 White hts:	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective pla	121.0° 87 % 0.3 cd/lm 1 White nts: ate, glass	200 200 200 200 200 200 200 200
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective pla	121.0° 87 % 0.3 cd/lm 1 White nts: ate, glass	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective plat SAMSU LED	121.0° 87 % 0.3 cd/lm 1 White hts: ate, glass NG LH351B	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective plat SAMSU LED FWHM	121.0° 87 % 0.3 cd/lm 1 White nts: ate, glass NG LH351B 118.0°	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective plat SAMSU LED FWHM Efficiency	121.0° 87 % 0.3 cd/lm 1 White nts: ate, glass N G LH351B 118.0° 89 %	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective plate Protective plate SAMSU LED FWHM Efficiency Peak intensity	121.0° 87 % 0.3 cd/lm 1 White nts: ate, glass N C LH351B 118.0° 89 % 0.3 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective plate Protective plate SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic	121.0° 87 % 0.3 cd/lm 1 White hts: ate, glass NCC LH351B 118.0° 89 % 0.3 cd/lm 1	
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FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Protective plat SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	121.0° 87 % 0.3 cd/lm 1 White nts: ate, glass NCC LH351B 118.0° 89 % 0.3 cd/lm 1 White nts:	



neumueller.com PRODUCT DATASHEET C13499_STRADA-2X2-CY





PRODUCT DATASHEET C13499_STRADA-2X2-C

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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