

STRADA-2X2-T2-M

IESNA Type II (medium) beam with excellent backlight control, illuminance uniformity and cutoff

TECHNICAL SPECIFICATIONS:

Dimensions

Height

50.0 mm 11.9 mm

Fastening ROHS compliant glue, pin, screw yes ()

LEDil®

Material

MATERIAL SPECIFICATIONS:

Component STRADA-2X2-T2-M **Type** Multi-lens

PMMA	clear	

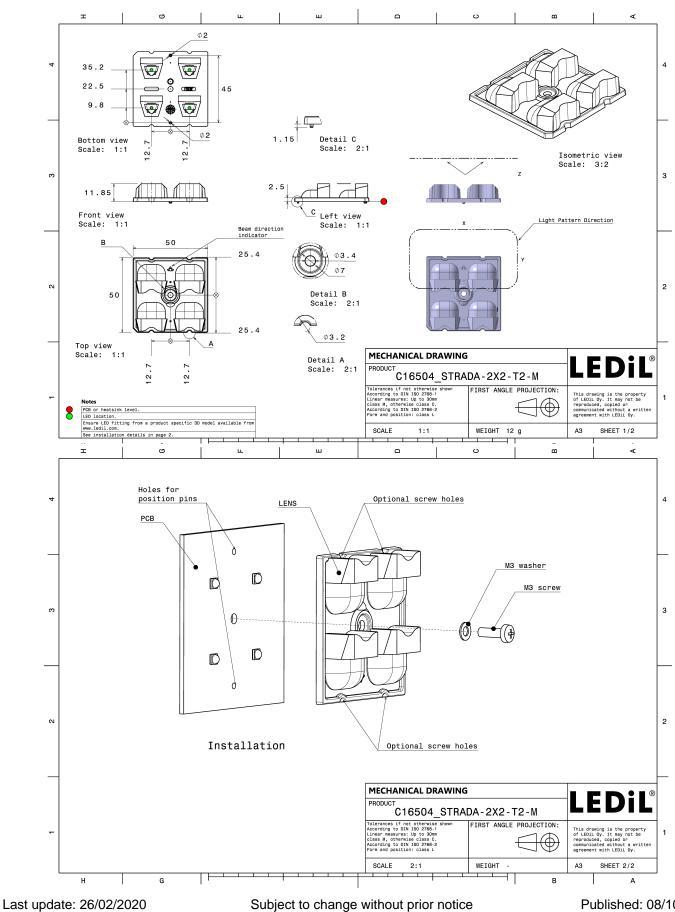
Colour

Finish

ORDERING INFORMATION:

Component C16504_STRADA-2X2-T2-M » Box size: 476 x 273 x 292 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	10.2

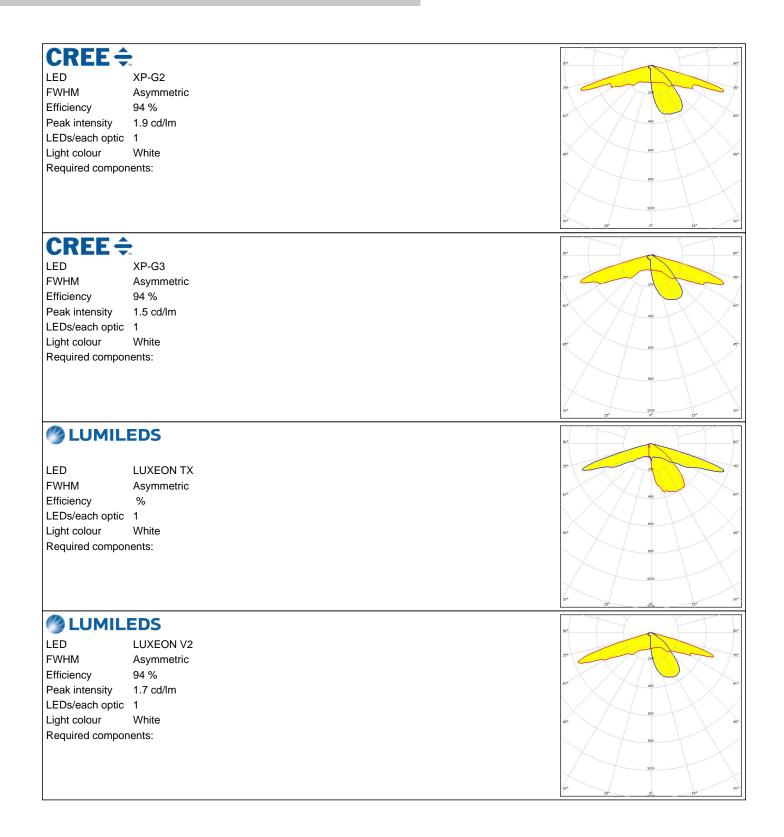


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PHOTOMETRIC DATA (MEASURED):





PHOTOMETRIC DATA (MEASURED):

NICHIA LED FWHM Efficiency	NVSW219F Asymmetric 94 %	
Peak intensity LEDs/each optic Light colour Required compon	White	6° (0 (0 (0) (0) (0) (0) (0) (0) (0
		20° 13° 20°
Μ ΝΙCΗΙΛ		90° 90°
LED FWHM Efficiency Peak intensity	NVSW319B Asymmetric 94 % 1.5 cd/lm	
LEDs/each optic Light colour Required compon	1 White	67 <u>00</u> 07
		900 1009 15 ³ 0 ⁴ 13 ⁴ 30 ⁴
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Square PC	
FWHM Efficiency	Asymmetric 94 %	
Peak intensity	1.9 cd/lm	505 605
LEDs/each optic		
Light colour Required compon	White ents:	
		50° 15 ⁶ 0° 13° 30°
PHILIP	S	90° 90'
LED	Fortimo FastFlex LED 2x8 DA G4+	
FWHM	Asymmetric	75 - 219
Efficiency Peak intensity LEDs/each optic	94 % 1.4 cd/lm 1	00 00 00 00 00 00 00 00 00 00 00 00 00
Light colour Required compon	White	6°* 00 0*
		800 30 ¹⁰ 129

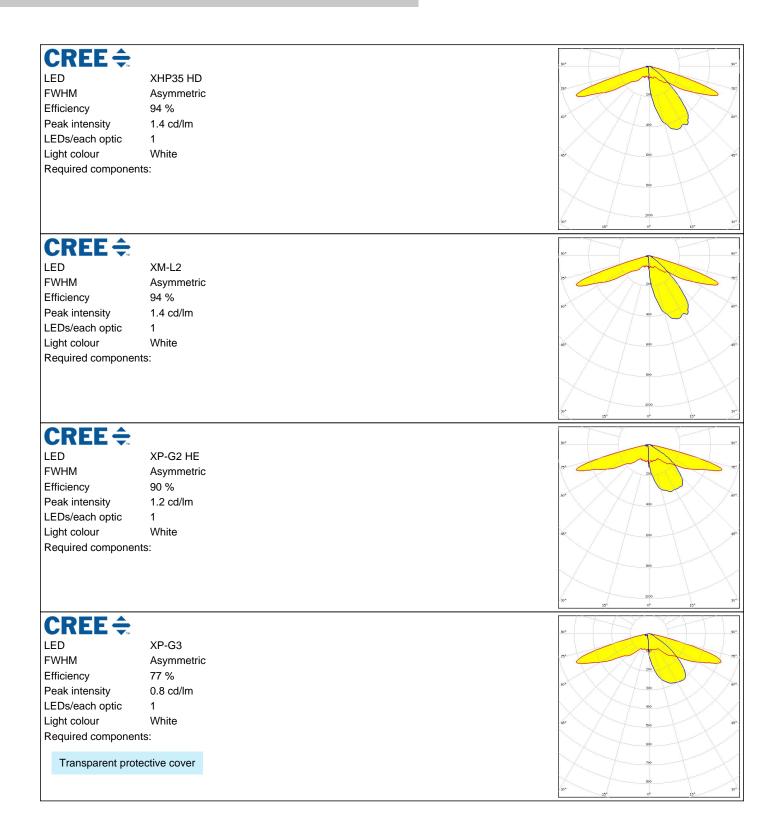


PHOTOMETRIC DATA (MEASURED):

SAMSU	ING	90* 90*
LED	HILOM RH16 (LH351C)	
FWHM	Asymmetric	751
Efficiency	94 %	
Peak intensity	1.5 cd/lm	604 604
LEDs/each optic		
Light colour	White	45* 45*
Required compor		500
		\times
		200
		\times / / \times
		30° 15° 30°
SEOUL SEOUL SEMICONDUCTOR		90* art
LED	Z5M3	
FWHM	Asymmetric	25* 75*
Efficiency	94 %	
Peak intensity	1.5 cd/lm	60 ⁴ 60 ⁴
LEDs/each optic	1	X//TVX
Light colour	White	45° 000 0°
Required compor	ents:	
		0,0
		\times / \times
		1000 100
		12° 0° 1°.
		90* 90*
LED	Z5M4	
FWHM	Asymmetric	Me Me
Efficiency	96 %	
Peak intensity	1.5 cd/lm	50 ⁴ 50 ⁴
LEDs/each optic	1	X/TXX
Light colour	White	407
Required compor	ents:	
		30° 15° 1000 15° 30°



PHOTOMETRIC DATA (SIMULATED):



PRODUCT DATASHEET

C16504_STRADA-2X2-T2-M

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CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer Transparent prot		
		30* 000 30*
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XT-E Asymmetric 93 % 1.5 cd/lm 1 White ts:	
CONTRACTOR OF CO	LUXEON 3030 2D (Round LES) Asymmetric 94 % 1.6 cd/lm 1 White	
Control Contro	LUXEON 3030 2D (Square LES) Asymmetric 94 % 1.6 cd/lm 1 White	



CONTRACTOR OF CO	LUXEON 5050 Round LES Asymmetric 94 % 0.9 cd/lm 1 White	
	DS	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON 5050 Round LES Asymmetric 84 % 0.7 cd/lm 1 White	
Transparent prot	ective cover	00
Control Contro	LUXEON TX Asymmetric 79 % 1.1 cd/lm 1 White ts:	
CUMILE ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON V Asymmetric 91 % 0.9 cd/lm 1 White	



ΜΝΙCΗΙΛ		
LED	NV4WB35AM	No. And
FWHM	Asymmetric	75° 200 75°
Efficiency	95 %	
Peak intensity	1.1 cd/lm	50 ⁴ 400 50*
LEDs/each optic	1	
Light colour	White	200
Required component		
		000
		1000
		30° 13° 30°
Μ ΝΙCΗΙΛ		20° - 20°
LED	NVSxE21A	
FWHM	Asymmetric	736 200 73*
Efficiency	80 %	
Peak intensity	1.3 cd/lm	60* 60*
LEDs/each optic	1	$\perp \times / / \top \setminus \times$
Light colour	White	45° 600 45°
Required component	ts:	
		80
Transparent prote	ective cover	\times / \top / \times
		1000
		130 13 ⁶ 0 ⁶ 15°
Μ ΝΙCΗΙΛ		82
	NVSxx19B/NVSxx19C	90°
	NVSxx19B/NVSxx19C Asymmetric	N ³
LED		50° 50° 50°
LED FWHM	Asymmetric	
LED FWHM Efficiency	Asymmetric 82 %	
LED FWHM Efficiency Peak intensity	Asymmetric 82 % 1 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 82 % 1 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 82 % 1 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 82 % 1 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 82 % 1 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 82 % 1 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric % 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric % 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric % 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric % 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Transparent prote	Asymmetric 82 % 1 cd/lm 1 White ts: ective cover NVSxx19B/NVSxx19C Asymmetric % 1 White	



OSRAM		
Opto Semiconductors LED	Duris S8	90° 90°
FWHM	Asymmetric	75* 100 75*
		200
Efficiency	80 %	504 504
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	400
Light colour	White	45* 5%0 45*
Required componen	ts:	
Transparent prote		
riansparent prot		740
		30* 30*
OSRAM		
Opto Semiconductors		90* 90*
LED	Duris S8	700
FWHM	Asymmetric	
Efficiency	94 %	60
Peak intensity	0.8 cd/lm	400
LEDs/each optic	1	
Light colour	White	45* 000 45*
Required componen	ts:	
		800
		\times / T \ \times
		30* 17 ² 2000 17* 30*
		15 ⁵ 0 ⁶ 15 ⁶
000444		
OSRAM Opto Semiconductors		50° 50°
OSRAM Opto Semiconductors LED	Duris S8	20 99*
	Duris S8 Asymmetric	20 10 10 10 10 10 10 10 10 10 10 10 10 10
LED		
LED FWHM	Asymmetric	
LED FWHM Efficiency	Asymmetric 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm	
LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.8 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.8 cd/lm 1 White tts: Duris S8 Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Optic Semiconductors LED FWHM Efficiency	Asymmetric 94 % 0.8 cd/lm 1 White tts: Duris S8 Asymmetric 79 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8 Asymmetric 79 % 0.6 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8 Asymmetric 79 % 0.6 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8 Asymmetric 79 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Required componen SERAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8 Asymmetric 79 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8 Asymmetric 79 % 0.6 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 0.8 cd/lm 1 White ts: Duris S8 Asymmetric 79 % 0.6 cd/lm 1 White ts:	



OSRAM		
Opto Semiconductors	$\Delta C C \Delta U \Delta D 2727 (200 version)$. 90°
LED FWHM	OSCONIQ P 3737 (2W version) Asymmetric	730 735
Efficiency	94 %	
		.50 ⁴ 694.
Peak intensity	1.4 cd/lm	
LEDs/each optic Light colour	1 White	
Required componen		45* 640 45*
	15.	
		1000
		30° 15° 30°
OSRAM Opto Semiconductors		50°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM	Asymmetric	750 750
Efficiency	79 %	20
Peak intensity	1 cd/lm	.60* 60*.
LEDs/each optic	1	40
Light colour	White	45° 500 45°.
Required component	ts:	
		600
Transparent prote	ective cover	700
		200
		30* <u>15</u> ° 0° 15* 30*
OSRAM Opto Semiconductors		9)*
OSRAM Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	50*
OSRAM Opto Semiconductors LED FWHM	OSLON Square CSSRM2/CSSRM3 Asymmetric	50° 50° 73°.
LED FWHM	OSLON Square CSSRM2/CSSRM3 Asymmetric 94 %	23 24 26 26 26
LED FWHM Efficiency	Asymmetric	91* 92* 23* 20 24* 40 69*
LED FWHM Efficiency Peak intensity	Asymmetric 94 %	50°
LED FWHM Efficiency	Asymmetric 94 % 1.4 cd/lm	90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.4 cd/lm 1 White	5° 6° 6° 60 6° 6° 6° 6°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.4 cd/lm 1 White	5° 5° 6° 6° 6° 6° 6° 6°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.4 cd/lm 1 White	50° 500 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.4 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts:	80 1000 20* 12 ⁰ 12 ⁰ 10 ⁰ 10 ⁰
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4	80 1000 20* 12 ⁰ 12 ⁰ 10 ⁰ 10 ⁰
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts:	80 1000 20* 12 ⁰ 12 ⁰ 10 ⁰ 10 ⁰
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric	80 1000 20* 12 ⁰ 12 ⁰ 10 ⁰ 10 ⁰
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric 80 %	80 1000 2014 12 ¹ 0 ¹ 13 ² 30 ²
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric 80 % 1.2 cd/lm	00 1000 2014 12 ¹ 0 ¹ 13 ² 30 ²
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen PHILIPS LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric 80 % 1.2 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen PHILIPS LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric 80 % 1.2 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen PHILIPS LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric 80 % 1.2 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen PHILIPS LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 94 % 1.4 cd/lm 1 White ts: Fortimo FastFlex LED 2x8 DA G4 Asymmetric 80 % 1.2 cd/lm 1 White ts:	



PHILIPS	5	997
LED	Fortimo FastFlex LED 2x8 DAX G4	
FWHM	Asymmetric	734 70 70
Efficiency	83 %	
Peak intensity	1.1 cd/lm	50 60
LEDs/each optic	1	
Light colour	White	45* 45
Required componer		200
Tanana and and		500
Transparent prot	ective cover	70
		30 ⁺ 15 ⁵ 0 [†] 15 ⁵ 30 ⁺
SAMSU	NG	
LED	LH351B	90"
FWHM	Asymmetric	75%
Efficiency	80 %	
Peak intensity	0.8 cd/lm	60° 60'
LEDs/each optic	1	
Light colour	White	5
Required componer		
Transparent prot	ective cover	700
		(30° 15 ⁵ 0° 15 ⁶ 30°
SAMSU	NG	
LED	LH351C	Ĩ
FWHM	Asymmetric	75°
Efficiency	88 %	200
Peak intensity	1 cd/lm	60*
LEDs/each optic	1	
Light colour	White	40 40
Required componer	nts:	540
		60
Transparent prot	ective cover	
		710
		30' 15' 30'
		90" 90
		m
LED	Z5M1/Z5M2	70
FWHM	Asymmetric	
Efficiency	%	50° 60
LEDs/each optic	1	
Light colour	White	45* 600 45
Required componer	its:	\times
		000
		1020
		10 ⁵ 0 ⁶ 15 ⁵ 30 ⁻

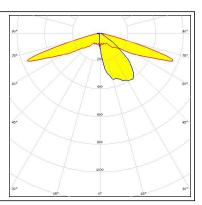


PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LEDRFWHMAEfficiency94Peak intensity1LEDs/each optic1Light colourWRequired components:

RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.6 cd/lm 1 White





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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