

STRADA-2X2-T4-B

Wide IESNA Type IV forward-throw beam for wide area lighting like car parks

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 mm
Height	9 mm
Fastening	pin, screw
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.3 kg
Quantity in Box	800 pcs
ROHS compliant	yes 🛈

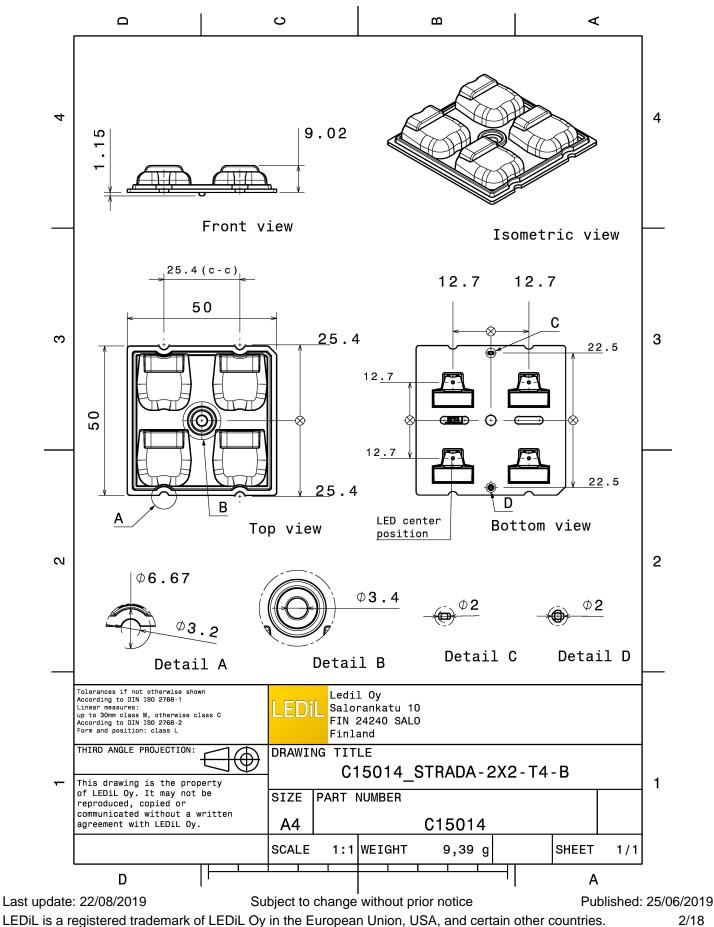


MATERIAL SPECIFICATIONS:

Component STRADA-2X2-T4-B **Type** Multi-lens **Material** PMMA

Colour clear





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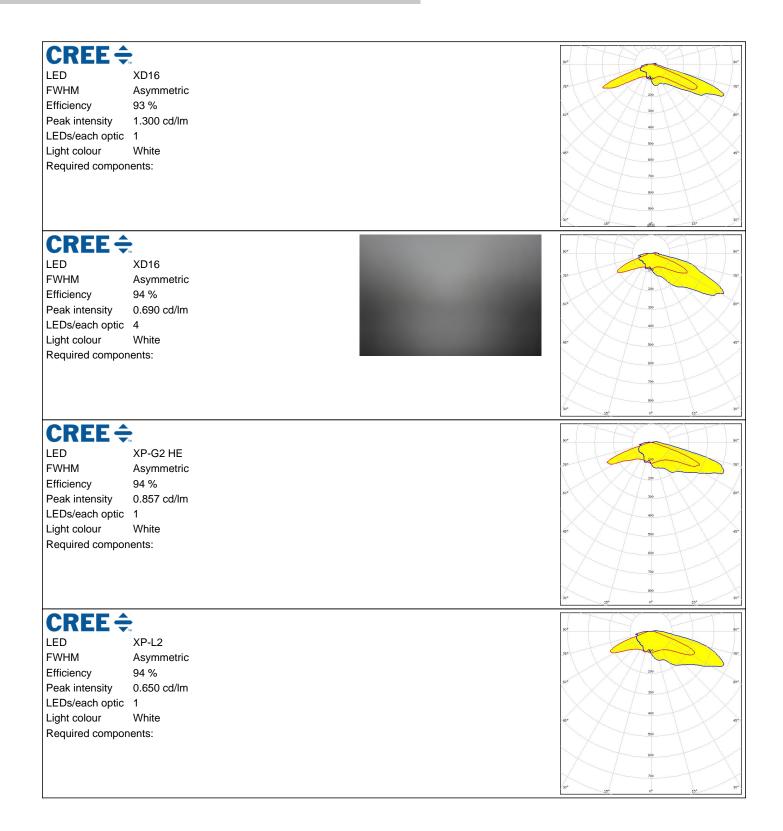


PHOTOMETRIC DATA (MEASURED):

bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	90° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	5 00 13 13 10 10 10 10 10 10 10 10 10 10 10 10 10

PRODUCT DATASHEET







LUMIL	EDS	
LED	LUXEON 5050 Round LES	
FWHM	Asymmetric	750 770 770
Efficiency	94 %	200
Peak intensity	0.640 cd/lm	.601
LEDs/each optic		
Light colour	White	
Required compor		
Required compor	ents.	600
		700
		200
		90° <u>15°</u> 900 <u>15°</u> 90°
	EDS	
LED	LUXEON C	
FWHM	Asymmetric	73* 75*
Efficiency	91 %	XXH
Peak intensity	1.500 cd/lm	. 60 ⁴ 300 60 ⁴
LEDs/each optic		400
Light colour	PC Amber	50
Required compor		60 00
	616.	700
		200
		30* <u>25</u> 2 <u>0</u> ⁶ <u>1</u> 0* <u>3</u> 0*
	EDS	
LED	LUXEON TX	
FWHM	Asymmetric	754 777
Efficiency	94 %	
Peak intensity	1.100 cd/lm	.60* 60*.
LEDs/each optic		\times / \top / \times
Light colour	White	
Required compor		
rtoquirou compor		
		\times / \top / \times
		1000
		30° 15° 30°
	EDS	TAYAHI
LED		90* 90*
	LUXEON V	
	Acympotric	75°
FWHM	Asymmetric	78*
Efficiency	93 %	20 60
Efficiency Peak intensity	93 % 0.700 cd/lm	20 60 60 70 70 70 70 70 70 70 70 70 70 70 70 70
Efficiency Peak intensity LEDs/each optic	93 % 0.700 cd/lm 1	20 60 60 60 60 60 60 60 60 60 60 60 60 60
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.700 cd/lm 1 White	6°
Efficiency Peak intensity LEDs/each optic	93 % 0.700 cd/lm 1 White	6°
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.700 cd/lm 1 White	20 60* 20 10 10 10 10 10 10 10 10 10 10 10 10 10
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.700 cd/lm 1 White	20 .0 ¹ .0 ² .0
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.700 cd/lm 1 White	20 50 [°] 20 60 [°] 50 [°] 60 [°] 70 [°] 50 [°] 70 [°] 50 [°]



PHOTOMETRIC DATA (MEASURED):

M LUMIL	EDS	90 ⁺
LED	LUXEON V2	
FWHM	Asymmetric	75* 78*
		200
Efficiency	94 %	60° 300 60°
Peak intensity	1.000 cd/lm	400
LEDs/each optic		
Light colour	White	45* 000 45*
Required compor	nents:	
		740
		X - 00
		X w
		(30° 15° 30°)
ØNICHIA		
		90°
LED	NVSW219D	
FWHM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.830 cd/lm	
LEDs/each optic		400
Light colour	White	145° 500 45°
Required compor	nents:	640
		710
		000
		^{30*} 15 ⁵ 80 15 ⁸ 36 ⁸
WNICHIA		
		50° 50°
LED	NVSW219F	
LED FWHM	NVSW219F Asymmetric	92
LED FWHM Efficiency	NVSW219F Asymmetric 93 %	50° 50° 70° 70° 60° 60°
LED FWHM Efficiency Peak intensity	NVSW219F Asymmetric 93 % 0.950 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic	NVSW219F Asymmetric 93 % 0.950 cd/lm 1	92°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White	92* 92 73* 90 63* 90 60* 90 60* 90 60* 90 60* 90 60*
LED FWHM Efficiency Peak intensity LEDs/each optic	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White	92* 99* 75* 20 60* 90 60* 90 60* 60* 60* 60* 60* 60*
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White	50° 500 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White	50° 500 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents:	00 70 70
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents:	00 70 70
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents: NVSW319B Asymmetric	00 70 70
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents: NVSW319B Asymmetric 94 %	60 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents: NVSW319B Asymmetric 94 % 0.900 cd/lm	60 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White hents: NVSW319B Asymmetric 94 % 0.900 cd/lm 1	600 700 700 700 700 700 700 700 700 700
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White nents: NVSW319B Asymmetric 94 % 0.900 cd/lm 1 White	600 700 700 700 700 700 700 700 700 700
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White nents: NVSW319B Asymmetric 94 % 0.900 cd/lm 1 White	60 70 70 70 70 70 70 70 70 70 7
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Required compor Equired compor NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White nents: NVSW319B Asymmetric 94 % 0.900 cd/lm 1 White	60 70 70 70 70 70 70 70 70 70 7
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White nents: NVSW319B Asymmetric 94 % 0.900 cd/lm 1 White	600 700 700 700 700 700 700 700 700 700
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F Asymmetric 93 % 0.950 cd/lm 1 White nents: NVSW319B Asymmetric 94 % 0.900 cd/lm 1 White	60 70 70 70 70 70 70 70 70 70 7

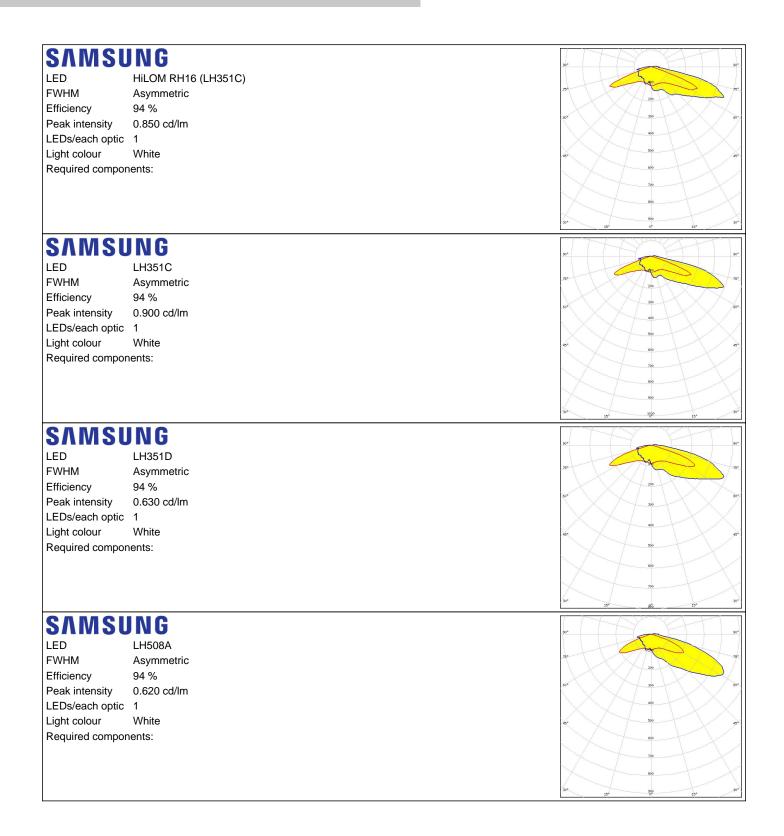
PRODUCT DATASHEET



Μ ΝΙCΗΙΛ		a.*
LED	NVSW3x9A	
FWHM	Asymmetric	73° 73°
Efficiency	94 %	200
Peak intensity	0.830 cd/lm	50* 30 50*
LEDs/each optic		
Light colour	White	$X \times (T \times X)$
Required compon		45* 200 45*
	ents.	600
		700
		800
		30° 15° 30°
Μ ΝΙCΗΙΛ		
		90* 90*
LED	NVSxE21A	
FWHM	Asymmetric	
Efficiency	94 %	60 400 600
Peak intensity	1.400 cd/lm	
LEDs/each optic		60
Light colour	White	45* 800 45*
Required compon	ents:	\times
		1000
		30° 30°
OSDAM		
OSRAM Opto Semiconductors		50°
LED	OSLON Square PC	8°
LED FWHM	Asymmetric	9° 7° 70 70 70 70 70
LED FWHM Efficiency	Asymmetric 93 %	
LED FWHM Efficiency Peak intensity	Asymmetric 93 % 1.100 cd/lm	90° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.100 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.100 cd/lm 1 White	90° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 1.100 cd/lm 1 White	92° 73° 60° 60° 60° 70° 70° 70° 70° 70° 70° 70° 7
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.100 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.100 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 1.100 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.857 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.857 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.857 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.857 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.857 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 1.100 cd/lm 1 White ents: S Fortimo FastFlex LED 2x8 DA G4+ Asymmetric 94 % 0.857 cd/lm 1 White	



PHOTOMETRIC DATA (MEASURED):



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Store Z5M3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.890 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Component State S
LED Z5M3 FWHM Asymmetric Efficiency 94 % Peak intensity 0.890 cd/lm LEDs/each optic 1 Light colour White Required components:
Efficiency 94 % Peak intensity 0.890 cd/lm LEDs/each optic 1 Light colour White Required components:
Efficiency 94 % Peak intensity 0.890 cd/lm LEDs/each optic 1 Light colour White Required components:
LEDs/each optic 1 Light colour White Required components:
Light colour White Required components:
Required components:
SEQUESTICATION SECONDENCIFICATION LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
SECUL SEMICONDUCTOR LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
SECOUL SEMICONDUCTOR LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
SECUL SEMICONDUCTOR LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
SECUL SEMICONDUCTOR LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
SECUL SEMICONDUCTOR LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
LED Z8Y22 FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
FWHM Asymmetric Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
Efficiency 94 % Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
Peak intensity 0.960 cd/lm LEDs/each optic 1 Light colour White
LEDs/each optic 1 Light colour White
Light colour White
70
200
30 ⁴ 22 0 ⁰ 251
TRIDONIC
LED RLE 2x4 2000lm HP EXC2 OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TRIDONIC
LED RLE 2x8 4000lm HP EXC2 OTD
FWHM Asymmetric
Efficiency 94 %
Peak intensity 1.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:
00
80
00 201 201

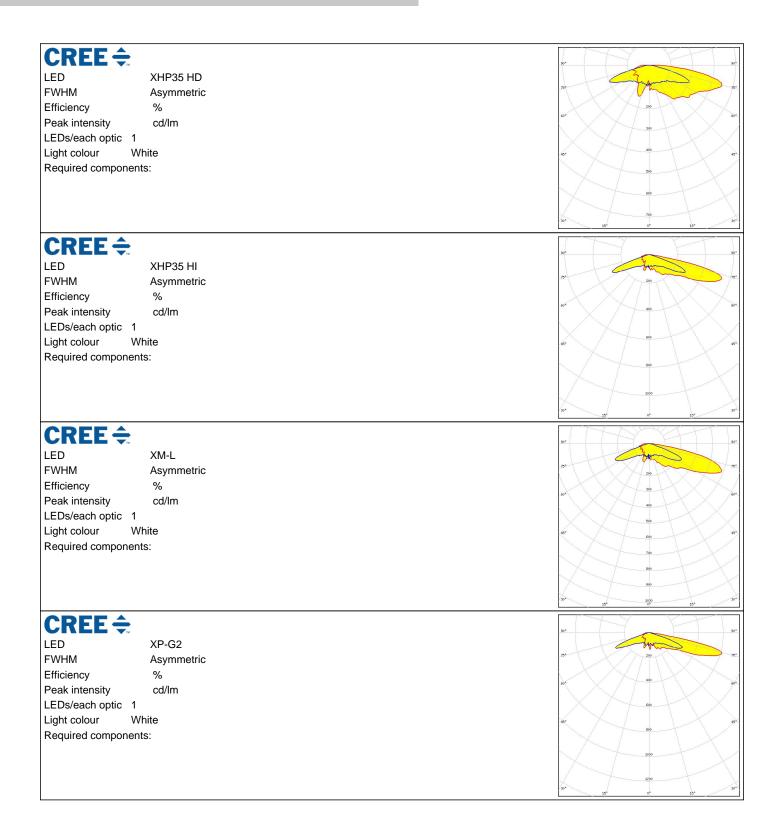


PHOTOMETRIC DATA (MEASURED):

r		
	RLE G1 49x121mm 2000lm xxx EXC OTD	8°
FWHM	Asymmetric	73* 200 73*
Efficiency	94 %	
Peak intensity	1.100 cd/lm	60° 60°
LEDs/each optic		
Light colour	White	600
Required compor		
rtequired compor		200
		\times / \times
		1000
		30° 15° 0° 15° 30°
TRIDON		99° 99°
LED	RLE G1 49x133mm 2000lm xxx EXC OTD	
FWHM	Asymmetric	75* 400 77*
Efficiency	94 %	
Peak intensity	1.100 cd/lm	60 ⁶ 800 60 ⁴ .
LEDs/each optic		$\times//\top$
Light colour	White	1200
Required compor		45. 45.
rtequired compor		1690
		\times / T / X
		2000
		30* 13 ⁵ 0° 15° 30*
TRIDON		
TRIDON		51'
LED	RLE G1 49x223mm 4000lm xxx EXC OTD	20°
LED FWHM	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric	20 20
LED FWHM Efficiency	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 %	60% 500 500 500 500 500 500 500 500 500 5
LED FWHM Efficiency Peak intensity	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm	80° 90° 90° 90° 90° 90° 90° 90° 90° 90° 9
LED FWHM Efficiency Peak intensity LEDs/each optic	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1	90° 70° 60° 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	0° 00 0°
LED FWHM Efficiency Peak intensity LEDs/each optic	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	97 90 97 97 30 50 67 60 67
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	5° 60 0°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	9° 9° 20 20 409 60° 60° 60° 60° 60° 60° 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	5, 12, 0, 12, 9, 6, 0, 0, 0, 6, 0, 0, 0, 7,0 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White hents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White hents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TRIDON LED FWHM Efficiency Peak intensity	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm	
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 Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor Required compor ED FWHM Efficiency Peak intensity LEDs/each optic	RLE G1 49x223mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 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 Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 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 Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 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 Asymmetric 94 % 1.100 cd/lm 1 White nents: RLE G1 49x245mm 4000lm xxx EXC OTD Asymmetric 94 % 1.100 cd/lm 1 White	

PRODUCT DATASHEET

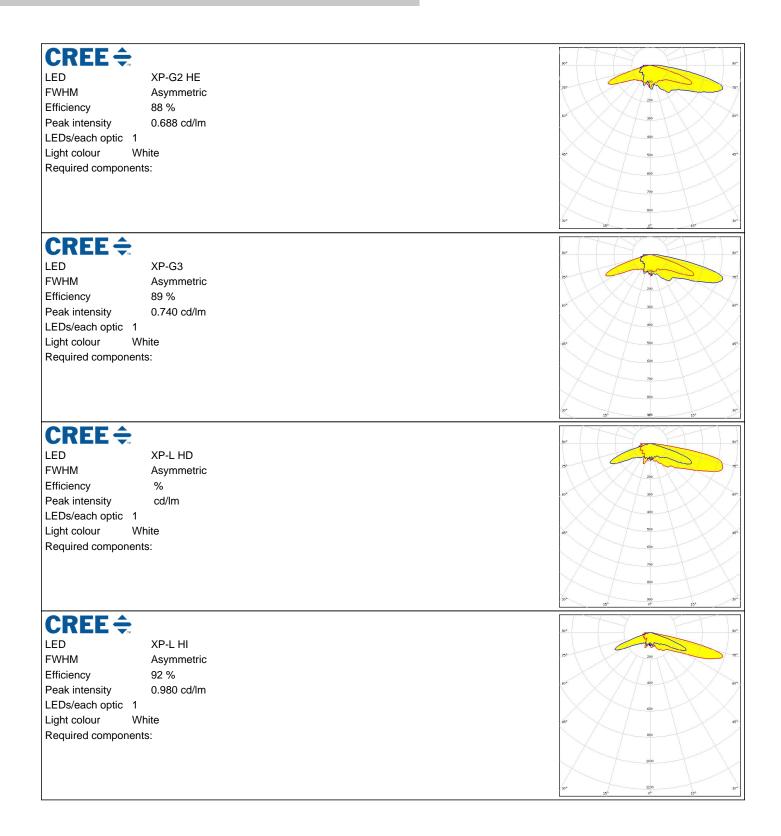




PRODUCT DATASHEET



PHOTOMETRIC DATA (SIMULATED):



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CREE LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	
<i>A</i>	130* 1200 30* 13 ⁵ 0 ⁸ 15*
WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	9° 9° 9° 100 100 100 100 100 100 100 10
	30° 15° 0° 10° 30°
ED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	92 ³ 97 92 ⁴ 90 63 ⁵ 40 60 ⁵ 60 60 ⁵ 60 60 ⁵ 60 60 ⁵ 60 60 ⁵ 60 60 ⁵ 60 ⁵
NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	90° 90° 90° 90° 90° 90° 90° 90°

PRODUCT DATASHEET



ΜΝΙCΗΙΛ		
		»·
LED	NWSx229A	
FWHM	Asymmetric	730 700 730
Efficiency	87 %	200
	0.640 cd/lm	60* 60*
Peak intensity	0.640 ca/im	$X \rightarrow 30$
LEDs/each optic 1		
Light colour Wh		45"
Required components	S.	500
		700
		130° 15 ⁵ 0 ⁶ 15° 30°
OSRAM		90* 99*
LED	PrevaLED Brick HP 2x8	the second se
FWHM	Asymmetric	73° 200 75°
Efficiency	%	
Peak intensity	cd/lm	60 60
	canin	
LEDs/each optic 1	94.	
Light colour Wh		-45*
Required components	S:	X X
		1000
		1200 30 ⁴
		113 ² 0 ⁴ 15 ⁴
OSRAM Opto Semiconductors		ITY FFL
		90"
LED	Duris S5 (2 chip)	100
LED FWHM	Duris S5 (2 chip) Asymmetric	300 Pr 376
FWHM	Asymmetric	39
FWHM Efficiency	Asymmetric 91 %	200 PP 200 - 200 - 200 60 ⁴
FWHM Efficiency Peak intensity	Asymmetric	50° 000 72 50° 460 60%
FWHM Efficiency Peak intensity LEDs/each optic 1	Asymmetric 91 % 0.860 cd/lm	50°
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh	Asymmetric 91 % 0.860 cd/lm ite	5° 60 67
FWHM Efficiency Peak intensity LEDs/each optic 1	Asymmetric 91 % 0.860 cd/lm ite	50° (00) (01) 60° (00) (01) 60° (00) (01) 60° (01) 6
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh	Asymmetric 91 % 0.860 cd/lm ite	50° 00 0° 60° 0° 60° 0° 60° 0°
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh	Asymmetric 91 % 0.860 cd/lm ite	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh	Asymmetric 91 % 0.860 cd/lm ite	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm ite	200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm ite S:	200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm ite S: Duris S8	200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm ite S:	200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm ite S: Duris S8	200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm iite S: Duris S8 Asymmetric	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components CoseAM Opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 91 % 0.860 cd/lm iite S: Duris S8 Asymmetric 78 %	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components COSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1	Asymmetric 91 % 0.860 cd/lm iite s: Duris S8 Asymmetric 78 % 0.420 cd/lm	200 200 200 200 200 200 200 200 200 200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components Cossea Deb Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh	Asymmetric 91 % 0.860 cd/lm ite 3: Duris S8 Asymmetric 78 % 0.420 cd/lm ite	200 200 200 200 200 200 200 200 200 200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1	Asymmetric 91 % 0.860 cd/lm ite 3: Duris S8 Asymmetric 78 % 0.420 cd/lm ite	200 200 200 200 200 200 200 200 200 200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wr Required components Peak intensity LEDs/each optic 1 Light colour Wr Required components	Asymmetric 91 % 0.860 cd/lm iite s: Duris S8 Asymmetric 78 % 0.420 cd/lm iite s:	200 200 200 200 200 200 200 200 200 200
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components Cossea Deb Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh	Asymmetric 91 % 0.860 cd/lm iite s: Duris S8 Asymmetric 78 % 0.420 cd/lm iite s:	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	Asymmetric 91 % 0.860 cd/lm iite s: Duris S8 Asymmetric 78 % 0.420 cd/lm iite s:	

PRODUCT DATASHEET



OSRAM Opto Semiconductors	
LED Duris S8	
FWHM Asymmetric	75°
Efficiency 92 %	
	60* <u>300</u> 60*.
LEDs/each optic 1 Light colour White	
Light colour White Required components:	45* 200 45*
Required components.	000
	700
	30° 42 ⁵ 0° 15° 30°
OSRAM	TAY YAT
Opto Semiconductors	90* 90*
LED Duris S8	
FWHM Asymmetric	
Efficiency 75 %	60° 210 60°
Peak intensity 0.402 cd/lm	
LEDs/each optic 1	
Light colour White	67 400 67°.
Required components:	\times
	500
Transparent protective cover	
	30*
OSRAM	
Opto Semiconductors	90* 90*
Opto Semiconductors OSCONIQ P 3737 (2W version)	as automatic as a set
Opto Semiconductors Cost Constructors LED OSCONIQ P 3737 (2W version) FWHM Asymmetric	N°
Opto Semiconductors LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 %	90° - 90° 70° - 200 - 72° 60° - 60°
Opto Semiconductors IED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm	97 - 90 78 - 29 60 ⁴ - 60
Opto Semiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1	84°
opto stemiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White	91°
Opto Semiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1	97 90 79 20 67 869 67
opto Semiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White	97 99 79 69 69 69 69 69 69 69 69 69 69 69 69 69
Opto Semiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White	92 - 90 74 - 20 64 67 - 66 80 80
opto Semiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White	8° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8
Opto Stemiconductors Image: Comparison of the symmetry of the sy	9° 9° 9° 9° 90 90 90 90 90 90 90 90 90 90
opto stemiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White	9/* 90 20 6/* 6/9 6/* 6/9 6/* 6/9 6/* 6/9 6/* 6/9 6/* 6/9 6/* 6/9 6/* 6/9 6/* 6/* 6/* 6/*
Option Stamplications Image: Constraint of the symplectic of the symplecti	20 20 20 20 20 20 20 20 20 20
Option Stemiconductors Image: Constraint of the second	50° 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
opto Stemiconductors Image: Constraint of the symmetric of the	20 00 00 00 00 00 00 00 00 00
opto Stemiconductors Image: Constraint of the symmetric of the	50° 50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
Optio Stemiconductors I LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White Required components: I FOSERED USCONIQ P 3737 (3W version) FWHM Asymmetric LED OSCONIQ P 3737 (3W version) FWHM Asymmetric Efficiency 90 %	200 200 200 200 200 200 200 200
operations Image: Constructions Image: Constructions Image: Constructions LED OSCONIQ P 3737 (2W version) Image: Constructions Image: Constructions Efficiency 87 % Image: Constructions Image: Constructions Image: Constructions LEDs/each optic 1 0.950 cd/lm Image: Constructions Image: Constructing to theadding to theadding to theadding to theadding	200 200 200 200 200 200 200 200
optio Semiconductoris Image: Constraint of the semiconductor of the	50° 500 50° 50° 600 50° 50° 600 50° 50° 600 50° 50° 600 50° 50° 600 50° 50° 50° 50° 50° 50° 50° 50° 60° 50° 50° 50° 50° 50° 60° 50°
optio Semiconductors Image: Construction of the symmetric of the sym	50° 500 50° 50° 600 50° 50° 600 50° 50° 600 50° 50° 600 50° 50° 600 50° 50° 50° 50° 50° 50° 50° 50° 60° 50° 50° 50° 50° 50° 60° 50°
optio Semiconductoris Image: Constraint of the semiconductor of the	5° 50 6° 6° 6° 6° 6° 6° 5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
opes semiconductors Image: Construction of the semiconductors LED OSCONIQ P 3737 (2W version) FWHM Asymmetric Efficiency 87 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White Required components: Image: Construction of the semiconductors LED OSCONIQ P 3737 (3W version) FWHM Asymmetric Efficiency 90 % Peak intensity 0.690 cd/lm LEDs/each optic 1 Light colour White	5° 50 6° 6° 6° 6° 6° 6° 5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°

PRODUCT DATASHEET



OSRAM		
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	90° 90°
FWHM		75° 200 78°
	Asymmetric	
Efficiency	92 %	50 400 50*
Peak intensity	0.880 cd/lm	
LEDs/each optic 1		
0	nite	45* 200 45*
Required component	S:	
		1000
		1200
		30 ⁴ 11 ⁵ 0 ⁶ 11 ⁴ 30 ⁴
PHILIPS		THY FFT
LED	, Fortimo FastFlex LED 2x8 DA G4	90* 90*
		75° 200 70°
FWHM	Asymmetric	
Efficiency	91 % 4 999 stiller	50° 400 50°
Peak intensity	1.020 cd/lm	
LEDs/each optic 1		60
0	nite	45° 800 45°
Required component	S.	\times
		1000
		30* 1220 30* 18 ³ 0 ⁶ 18* 30*
PHILIPS		
		90* 90*
LED	Fortimo FastFlex LED 2x8 DAX G4	70
FWHM	Asymmetric	20
Efficiency	88 %	50* 300 60*
Peak intensity	0.710 cd/lm	
LEDs/each optic 1		
0	nite	45* 500 45*
Required component	S	600
		30* 15 ² 0 ⁶ 15* 30*
SAMSUN	10	
		90* 90*
LED	LH181B	- Marine
FWHM	Asymmetric	
Efficiency	92 %	50*
Peak intensity	1.100 cd/lm	
LEDs/each optic 1		
	nite	65° 65'
Required component	S:	
		1000
		30* 3x*
		15 ³ 0° 15°

PRODUCT DATASHEET



SAMSUNG LED LH23 FWHM Asym Efficiency 92 % Peak intensity 0.988 LEDs/each optic 1 Light colour White Required components:	metric	5° 50° 6° 6° 6° 60° 60° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
LED LH23 FWHM Asym Efficiency 92 % Peak intensity 0.988 LEDs/each optic 1 Light colour White Required components:	metric	
FWHM Asym Efficiency 92 % Peak intensity 0.988 LEDs/each optic 1 Light colour White Required components:	metric	23 20 75 65 60 67 80 90 90 90 90
Efficiency 92 % Peak intensity 0.988 LEDs/each optic 1 Light colour White Required components:		209 60 ⁴ 409 67 69 69 69 69
Peak intensity 0.988 LEDs/each optic 1 Light colour White Required components:	cd/lm	6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹
LEDS/each optic 1 Light colour White Required components:	cd/lm	6° 60 6°
Light colour White Required components:		5° 50 51
Required components:		et 00 et
SEGUL SEMICONDUCTOR		100
SEOUL SEMICONDUCTOR		50
SEOUL SEMICONDUCTOR		1000
SEOUL SEMICONDUCTOR		1000
SEOUL SEMICONDUCTOR		30*
SEOUL SEMICONDUCTOR		13 ⁰ 0 ⁰ 13 ⁰
		91 ⁴
	JL DC 5050 6V	
FWHM Asym		73° 73° 73°
Efficiency 91 %		20
Peak intensity 0.578	cd/lm	50% 300 504
LEDs/each optic 1	contri	
Light colour White		400 50 [°] 50 [°]
Required components:		45' 500 45'
Required components.		600
		700
		30* 15 ⁵ 0° 15° 30'
SEOUL		THY YHI
SEOUL SEMICONDUCTOR		90* 90*
LED Z8Y1		Charles Charles
FWHM Asym	metric	
Efficiency 90 %		50° 500
Peak intensity 0.585	cd/lm	
LEDs/each optic 4		$X \times I \setminus X \times$
Light colour White		45* 460 45'
Required components:		500
		30* 700 30*
		13 ²³ 0 ³ 1 ³ 7 ⁴
SEOUL SEMICONDUCTOR		91 ⁴
LED Z8Y2		
	 metric	73° 7442 73°
Efficiency 91 %		20
Peak intensity 0.960	cd/lm	50 ⁴ 300 56 ⁴
LEDs/each optic 1	Comm	XX X
		X X T X X
		6° X 700 C
Required components:		60
		X Tro
		× 000
		30* 30*
_ight colour White		45 ¹ 500 45 ¹

PRODUCT DATASHEET



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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