

# STRADA-IP-2X6-T2

**IESNA** Type II (medium) beam applicable for European P-class standard pedestrian lighting and M-class roads

#### **TECHNICAL SPECIFICATIONS:**

Dimensions

Height

Fastening

71.4 x 173.0 mm 9.2 mm screw

ROHS compliant yes ()

# <image><section-header>

#### MATERIAL SPECIFICATIONS:

Component STRADA-IP-2X6-T2 2X6-SEAL25

Туре	
Multi-lens	
Seal	

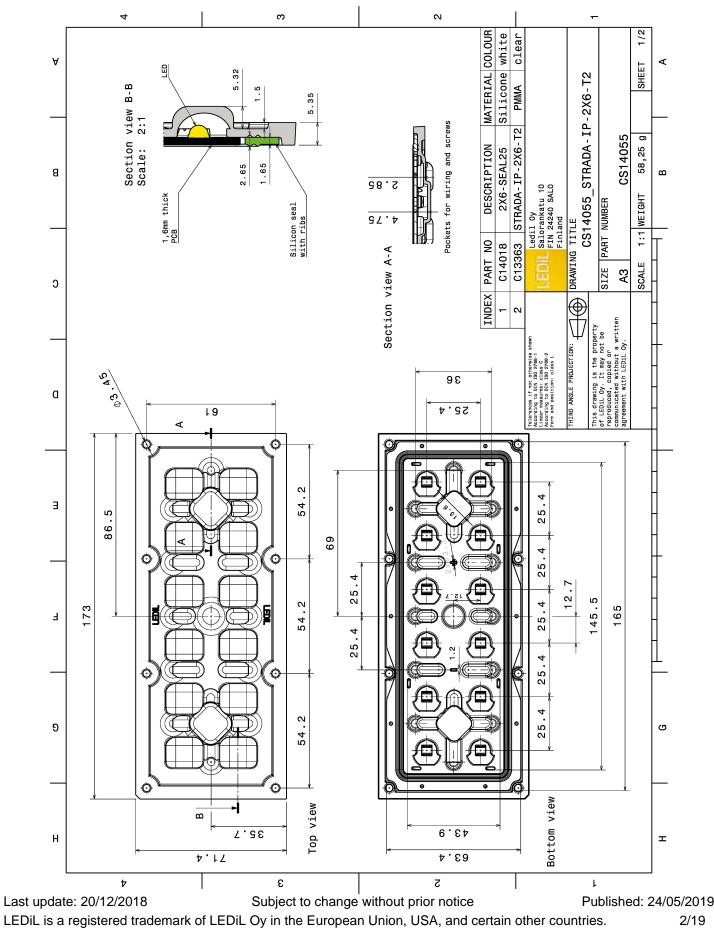
Material	Colour	Finish
PMMA	clear	
Silicone	white	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14055_STRADA-IP-2X6-T2	Multi-lens	120	40	40	8.1
» Box size: 476 x 273 x 247 mm					

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# PRODUCT DATASHEET CS14055\_STRADA-IP-2X6-T2



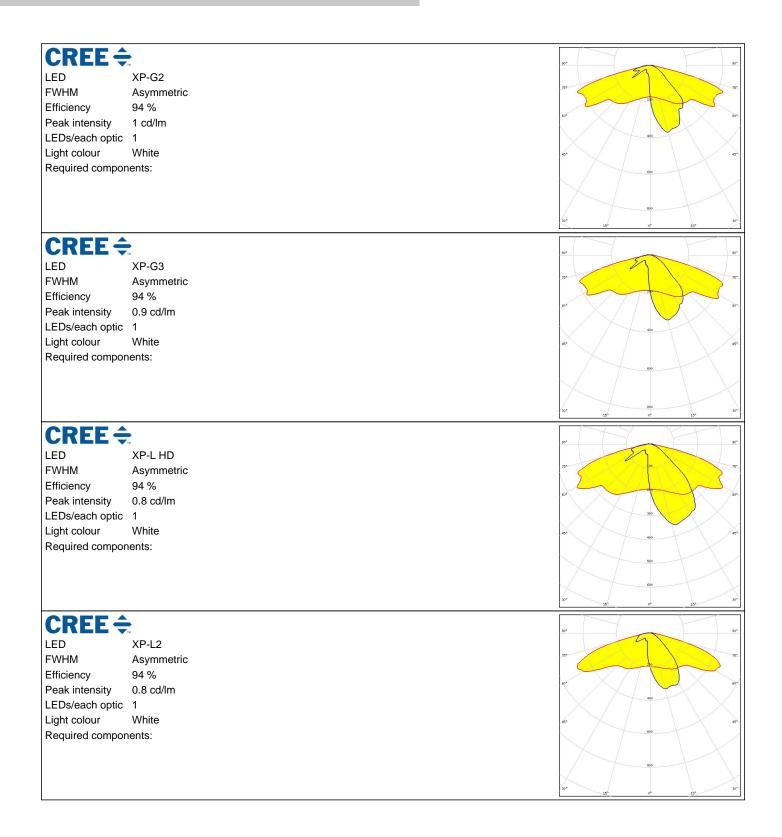
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bridgelux.		
LED	Bridgeling SMD 5050	90-
FWHM	Bridgelux SMD 5050	750 750
	Asymmetric	200
Efficiency	94 %	60* 60*
Peak intensity	0.7 cd/lm	400
LEDs/each optic		
Light colour	White	45"
Required compor	ients:	
		800
		30° 15° 1000 10° 30°
CONET		
		90* 90*
LED	QUICK FLUX 2x6 LED XG xxx G7+	
FWHM	Asymmetric	25*
Efficiency	94 %	
Peak intensity	0.9 cd/lm	50°
LEDs/each optic	1	400
Light colour	White	45°
Required compor	ients:	600
		$\times$ / $\times$
		800
		$\times$ / $\top$ / $\times$
		30° 15° 30°
		90* 92*
	QUICK FLUX 2x6 LED XT xxx G5	<u>94*</u>
	QUICK FLUX 2x6 LED XT xxx G5 Asymmetric	91 <sup>4</sup> 97 32 <sup>4</sup> 70 20
LED FWHM		91 <sup>4</sup> 29 20 20 20 20
LED FWHM Efficiency	Asymmetric 94 %	
LED FWHM Efficiency Peak intensity	Asymmetric 94 % 1.1 cd/lm	91 <sup>4</sup> 91 <sup>2</sup> 23 60 <sup>4</sup> 60 <sup>4</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.1 cd/lm 1	91 <sup>*</sup> 91 <sup>*</sup> 33 40 60 <sup>*</sup> 60 <sup>*</sup> 60 <sup>*</sup> 60 <sup>*</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.1 cd/lm 1 White	6 <sup>1</sup> 6 <sup>1</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1.1 cd/lm 1 White	91 92 92 92 92 92 92 92 92 92 92 92 92 92
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.1 cd/lm 1 White	90* 90* 93* 90* 60* 60* 60* 60* 60* 60*
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.1 cd/lm 1 White	92 <sup>4</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1.1 cd/lm 1 White	97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White eents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White pents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White eents:	5
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White pents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White vents: XP-G	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White vents: XP-G Asymmetric 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/m 1 White ments: XP-G Asymmetric 94 % 1 cd/m	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/m 1 White ments: XP-G Asymmetric 94 % 1 cd/m 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White ments: XP-G Asymmetric 94 % 1 cd/lm 1 White	
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LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White ments: XP-G Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White ments: XP-G Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Asymmetric 94 % 1.1 cd/lm 1 White ments: XP-G Asymmetric 94 % 1 cd/lm 1 White	

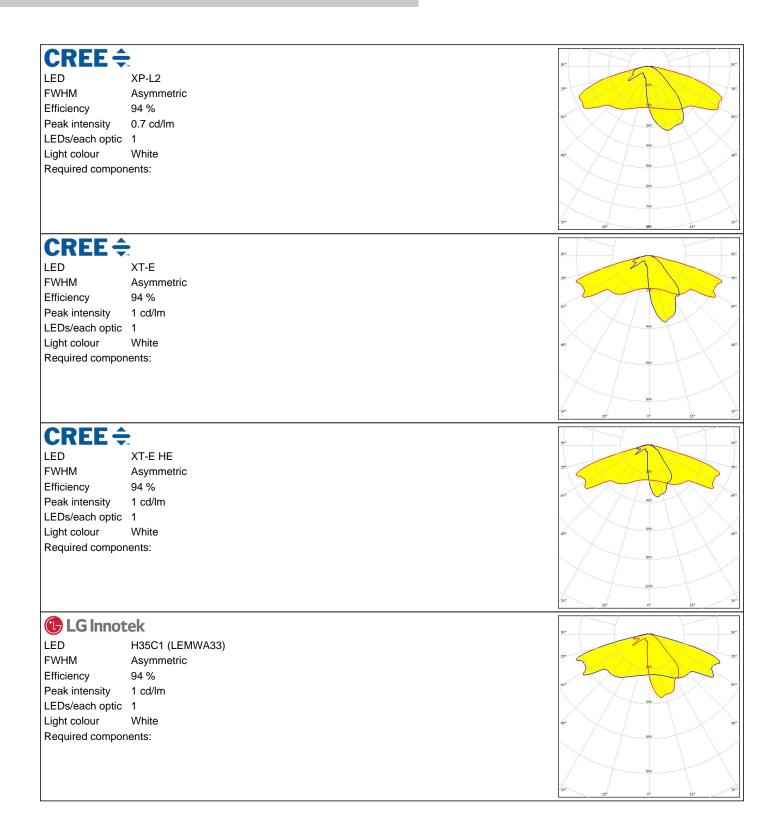
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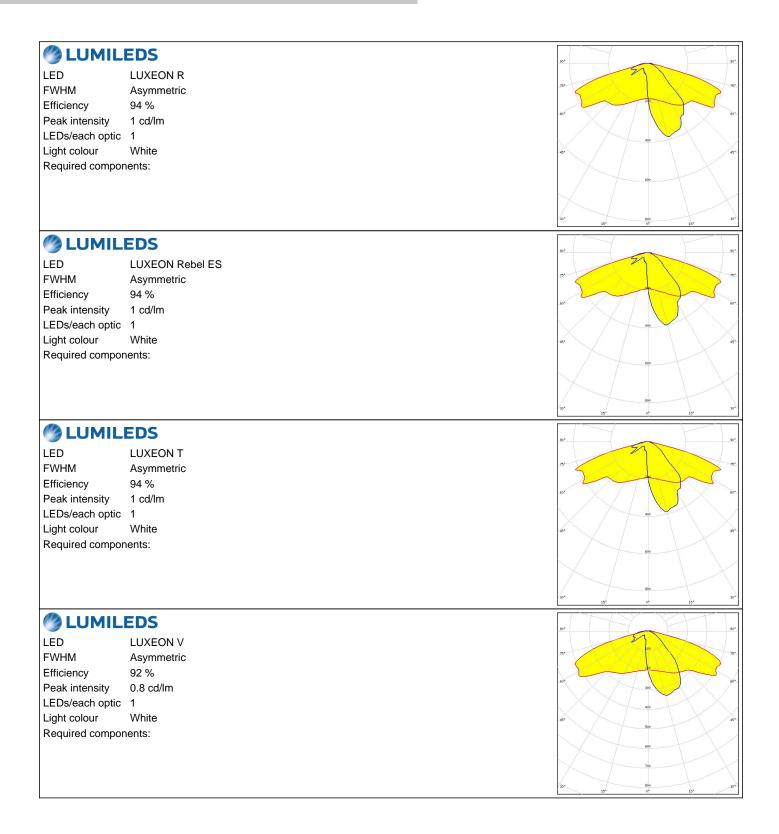
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	EDS .	
	LUXEON V2	
	Asymmetric 96 %	
	90 % 1.1 cd/lm	
Peak intensity LEDs/each optic		
	White	
Required compon		
	ents.	
	EDS	50° 50°
	LUXEON XR-TX (L2T0-xxyy012M)	2
	Asymmetric	73* 73*
	94 %	
	1.1 cd/lm	60* 60*
LEDs/each optic		X/ X
	White	5' 6'
Required compon	ents:	000
		Dia
		30° 1000 10° 30°
🙆 LUMILI	DS	90° 90°
LED	LUXEON Z ES	
FWHM	Asymmetric	75° 75°
	94 %	
	1.6 cd/lm	10° 60*
LEDs/each optic	1	600
Light colour	White	45* 45*
Required compon	ents:	
		$X \rightarrow X$
		30* 1220 30*
		13 <sup>5</sup> 0 <sup>8</sup> 15 <sup>9</sup>
<b>Μ</b> ΝΙCΗΙΛ		90* 90*
LED	NVSW219F	
FWHM	Asymmetric	
Efficiency	94 %	60 <sup>+</sup> 60 <sup>+</sup>
Peak intensity	0.9 cd/lm	40
LEDs/each optic		
-	White	451 600 451
Required compon	ents:	
		800
		30°
		15 <sup>5</sup> 1800 15 <sup>4</sup>

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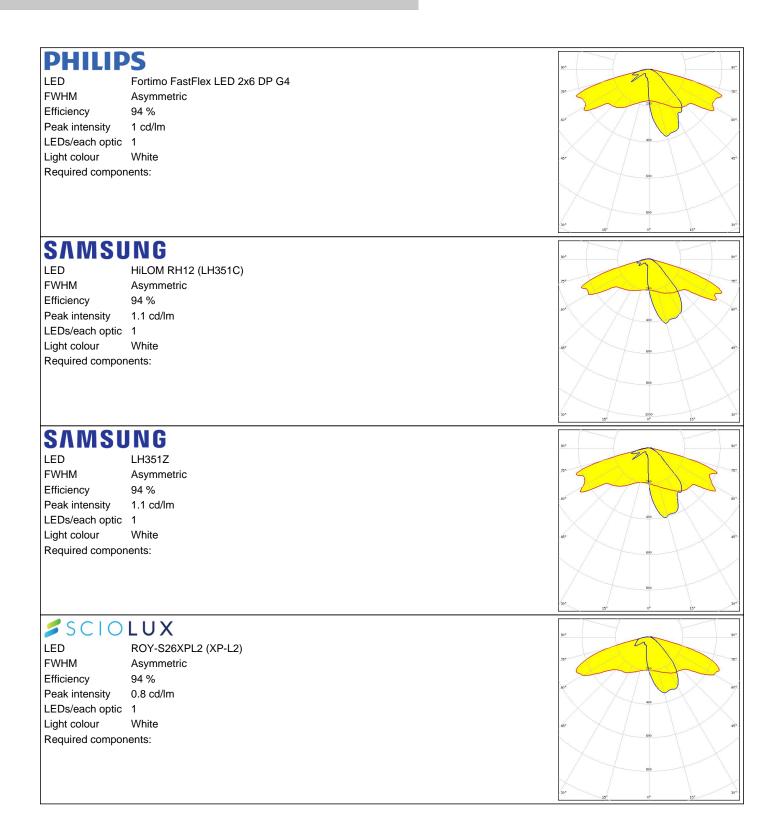
Last update: 20/12/2018Subject to change without prior noticePublished: 24/05/2019LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.7/19



$\sim$		
<b>ΜΝΙCΗΙΛ</b>		
LED	NVSW319B	
FWHM	Asymmetric	75° 75°
Efficiency	94 %	2 total
Peak intensity	0.9 cd/lm	60 60
LEDs/each optic		40
	White	$X / T \land X$
Light colour Required compor		6' 6'
Required compor		600
		$\times$ / $\times$
		800
		30° 15° 0° 15° 30°
<b>Μ</b> ΝΙCΗΙΛ		
LED	NVSW3x9A	
FWHM	Asymmetric	75* 00 75*
Efficiency	94 %	
Peak intensity	0.8 cd/lm	50%
LEDs/each optic		340
Light colour	White	400
Required compor		
. loquiou compoi		
		700
		30° 15° 0° 18° 30°
<b>Μ</b> ΝΙCΗΙΛ		90°
		8° 87
LED	NVSxx19B/NVSxx19C	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM	NVSxx19B/NVSxx19C Asymmetric	331 391 994 994 994 994
LED FWHM Efficiency	NVSxx19B/NVSxx19C Asymmetric 94 %	90° 90° 72° 72° 60° 60°
LED FWHM Efficiency Peak intensity	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1	90° 90° 73° 90° 60° 60°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White	6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup> 6 <sup>1</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White	90°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White	30. 30.   30. 30.   30. 30.   30. 40.   40. 40.   40. 40.   40. 40.   40. 40.   40. 40.   40. 40.   40. 40.   40. 40.   40.
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White ments:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White nents:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White hents: OSLON Square PC Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White vents: OSLON Square PC Asymmetric 94 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White eents: OSLON Square PC Asymmetric 94 % 1 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White tents: OSLON Square PC Asymmetric 94 % 1 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White enents: OSLON Square PC Asymmetric 94 % 1 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White enents: OSLON Square PC Asymmetric 94 % 1 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White enents: OSLON Square PC Asymmetric 94 % 1 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C Asymmetric 94 % 1 cd/lm 1 White enents: OSLON Square PC Asymmetric 94 % 1 cd/lm 1 White	

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SCIO	LUX		
LED	XLE-S22C4XTEHE (XT-E HE)	27	90*
FWHM	Asymmetric	234	
	94 %	15 And	/
Efficiency		50*	60*
Peak intensity	1 cd/lm	$\perp \times / \land \land \times$	
LEDs/each optic			$\leq$
Light colour	White	45'	45*
Required compor	ents:	800	2
		$\times$ / T / $\lambda$	/
		1000	
		30*	30*
		15 <sup>2</sup> 0 <sup>6</sup> 15 <sup>4</sup>	
SCIO	LUX	90*	90*
LED	XLE-S26XHP35 (XHP35 HD)		
FWHM	Asymmetric	254	75*
Efficiency	94 %	X	
Peak intensity	0.7 cd/lm	60 <sup>4</sup>	60*
LEDs/each optic			
Light colour	White	400	67.4
Required compor			
rtoquirou compor			
		600 A	
		700	$\times$
		30° 15° 8° 15°	30*
SEOUL			
		90*	90*
LED	2x6 5050 module - SMJD-3625012F-XX	730	75°
FWHM	Asymmetric		
Efficiency	94 %	601	60*
Peak intensity	0.7 cd/lm	400	/
LEDs/each optic			$\langle \rangle$
Light colour	White	45* 500	45*
Required compor	ents:		/
		0,00	
		$\times$ / $\setminus$ .	$\geq$
		30° 153 1680 15*	30*
SEQUE		1 4.4	
SEOUL SEMICONDUCTOR		90*	90*
LED	SMJQ-D36W12Mx		1
FWHM	Asymmetric	736	775
Efficiency	93 %		
Peak intensity	0.9 cd/lm	50° 400	60*
LEDs/each optic		$\nabla \times ( \perp \vee )$	Δ
	White	45*	45*
Light colour			1
		80	/
Light colour		00	
Light colour		80	$\left< \right>$

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SEOUL		
SEOUL SEMICONDUCTOR	SMJQ-D36W12Px	90" 90"
		75* 75*
FWHM	Asymmetric	
Efficiency	94 %	50%
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	400
Light colour	White	45* 45*
Required compon	ents:	
		600
		$\times$ / $\times$
		30° 15° 30° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	Z5M3	
FWHM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 45*
Required compon	ents:	600
		$\times$ / $\times$
		800
		$\times$ / $\setminus$ $\lambda$
		30° 482 0° 480 30°
SEOUL		
SEOUL SEMICONDUCTOR		10° 10° 10° 10° 10° 10° 10° 10° 10° 10°
seoul semiconductor	Z8Y22	
seoul semiconductor LED FWHM	Asymmetric	
seoul semiconductor LED FWHM Efficiency	Asymmetric 93 %	
seoul semiconductor LED FWHM Efficiency Peak intensity	Asymmetric 93 % 0.9 cd/lm	
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.9 cd/lm 1	
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White	
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.9 cd/lm 1 White	80° 60° 60°
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White	80° 60° 60°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White	80° 60° 60°
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White	80° (0) 60° (0) 60° (0) 80° (0
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 0.9 cd/lm 1 White	80° 60 60°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 0.9 cd/lm 1 White	6° 60 6°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 0.9 cd/lm 1 White ents:	6° (00 (0) (0) (0) (0) (0) (0) (0) (0) (0)
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	Asymmetric 93 % 0.9 cd/lm 1 White ents: Z8Y22P	6° (00 (0) (0) (0) (0) (0) (0) (0) (0) (0)
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEOUL SEMICONDUCTOR LED FWHM	Asymmetric 93 % 0.9 cd/lm 1 White ents: Z8Y22P Asymmetric	6° (00 (0) (0) (0) (0) (0) (0) (0) (0) (0)
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEOUL SEMICONDUCTOR LED FWHM Efficiency	Asymmetric 93 % 0.9 cd/lm 1 White ents: Z8Y22P Asymmetric 94 %	6° (00 (0) (0) (0) (0) (0) (0) (0) (0) (0)
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity	Asymmetric 93 % 0.9 cd/lm 1 White ents: Z8Y22P Asymmetric 94 % 0.9 cd/lm	6° (00 (0) (0) (0) (0) (0) (0) (0) (0) (0)
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 93 % 0.9 cd/lm 1 White ents: Z8Y22P Asymmetric 94 % 0.9 cd/lm 1	80° 60° 60° 60° 60° 60° 60° 80° 60°
steoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White ents:	80° 60° 60° 60° 60° 60° 60° 80° 60°
stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.9 cd/lm 1 White ents:	
stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White ents:	
steoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White ents:	
steoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.9 cd/lm 1 White ents:	

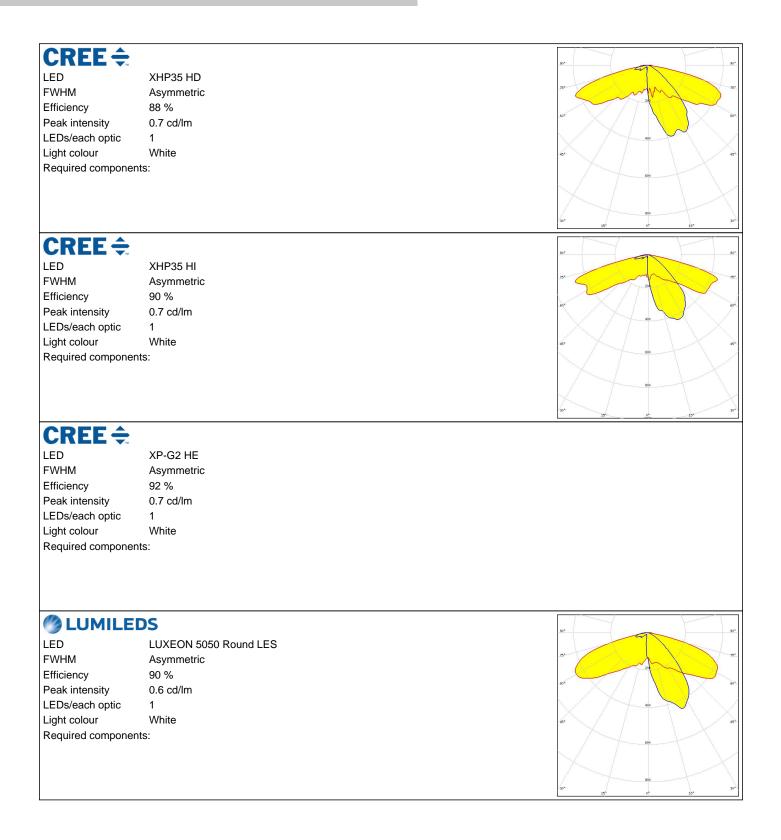
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TOSHIBA		
Leading Innovation »»	TL1L4	90* 90*
FWHM	Asymmetric	750 770
Efficiency	93 %	
Peak intensity	1 cd/lm	50° 60°.
LEDs/each optic	1	400
Light colour	White	45* 45*
Required compon	ents:	
		30* 35 <sup>3</sup> 0 <sup>6</sup> 15* 30*
TRIDON		
		90* 90*
LED		
	RLE 2x6 3000lm HP EXC2 OTD	
FWHM	Asymmetric	R <sup>1</sup> 20 N.
FWHM Efficiency	Asymmetric 94 %	
FWHM Efficiency Peak intensity	Asymmetric 94 % 1 cd/lm	20 Pr
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1	20
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 94 % 1 cd/lm 1 White	21
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 94 % 1 cd/lm 1 White	

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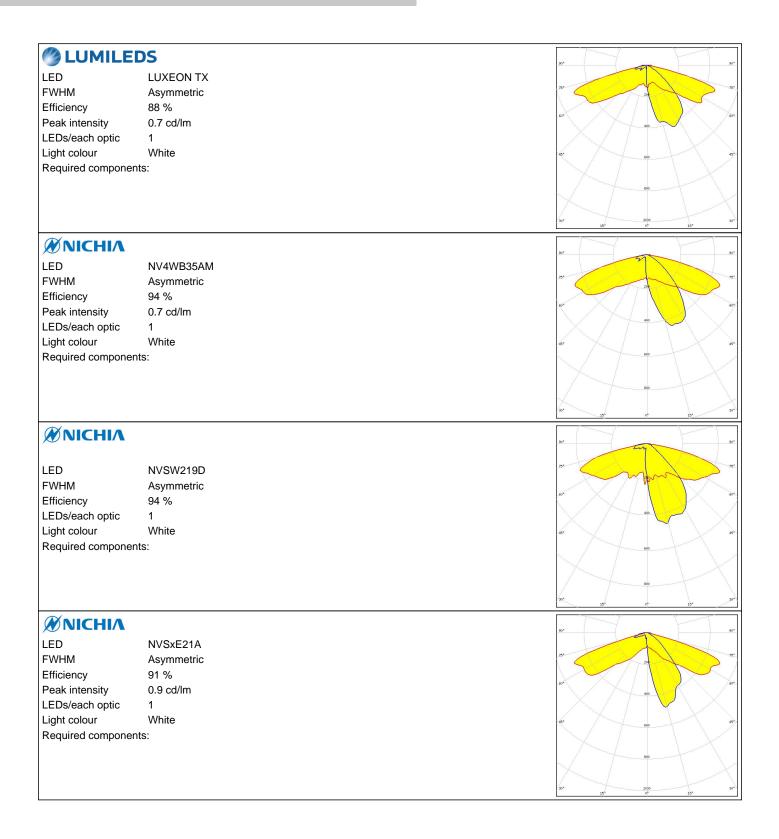


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OSRAM		
Opto Semiconductors	Duris S8	30°
FWHM	Asymmetric	75* 77*
Efficiency	94 %	- terment
	94 % 0.6 cd/lm	50* 60*
Peak intensity		
LEDs/each optic	1	$X / T \land X$
Light colour Required component	White	6. 6.
Required component	S.	600
		$\times$ / $\times$
		800
		30° 15° 0° 15° 30°
OSRAM		
Opto Semiconductors		90* 90*
	Duris S8	750 700
FWHM	Asymmetric	
Efficiency	91 %	60*
Peak intensity	0.7 cd/lm	400
LEDs/each optic Light colour	1 White	
Required component		45* 45*
Required component	5.	
		800
		30* 30*
1		18 <sup>2</sup> 0 <sup>4</sup> 16 <sup>4</sup>
OSRAM		15' 0' 15'
OSRAM Opto Semiconductors		9° 97 97 197
LED	OSCONIQ P 3737 (2W version)	
LED FWHM	Asymmetric	97 97 38 97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM Efficiency	Asymmetric 90 %	
LED FWHM Efficiency Peak intensity	Asymmetric 90 % 0.8 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.8 cd/Im 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 90 % 0.8 cd/lm 1 White :s:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 90 % 0.8 cd/lm 1 White s: OSCONIQ P 3737 (3W version)	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM	Asymmetric 90 % 0.8 cd/lm 1 White :s: OSCONIQ P 3737 (3W version) Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency	Asymmetric 90 % 0.8 cd/lm 1 White :s: OSCONIQ P 3737 (3W version) Asymmetric 93 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Opto Semiconductors LED FWHM Efficiency Peak intensity	Asymmetric 90 % 0.8 cd/lm 1 White is: OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.7 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.8 cd/lm 1 White IS: OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.7 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White S: OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 0.8 cd/lm 1 White S: OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White S: OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.7 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 0.8 cd/lm 1 White S: OSCONIQ P 3737 (3W version) Asymmetric 93 % 0.7 cd/lm 1 White	

PRODUCT DATASHEET



OSRAM Opto Semiconductors		90* an
LED	OSLON Square CSSRM2/CSSRM3	
FWHM	Asymmetric	73
Efficiency	93 %	
Peak intensity	0.7 cd/lm	av i i i i i i i i i i i i i i i i i i i
	1	400
LEDs/each optic	ı White	
Light colour		45* 600 451
Required componer	IIS.	
		30* 35 <sup>2</sup> 0 <sup>6</sup> 15* 30 <sup>4</sup>
PHILIPS		
		90* 90*
LED	Fortimo FastFlex LED 2x6 DPX G4	78
FWHM	Asymmetric	
Efficiency	88 %	50* 66*
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required componer	nts:	00
		$\times$
		840
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup>
SAMSUI	NG	90*
		54° 27
SAMSUI LED FWHM	LH351D	25 Jan 199
LED FWHM	LH351D Asymmetric	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM Efficiency	LH351D Asymmetric 93 %	
LED FWHM Efficiency Peak intensity	LH351D Asymmetric 93 % 0.6 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.6 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.6 cd/lm 1 White	5° 10 10 10 10 10 10 10 10 10 10
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351D Asymmetric 93 % 0.6 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer seous semiconductor LED FWHM Efficiency	LH351D Asymmetric 93 % 0.6 cd/lm 1 White nts: Acrich MJT 4040 Asymmetric 91 %	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer secous semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer secul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer secous semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer secul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout semicomoucror LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer scoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D Asymmetric 93 % 0.6 cd/lm 1 White hts: Acrich MJT 4040 Asymmetric 91 % 0.9 cd/lm 1 White	

PRODUCT DATASHEET



SECUL SECUL SEMICONDUCTOR	SEOUL DC 5050 6V	95°
FWHM		73%
	Asymmetric	
Efficiency	94 %	604 601
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	460
Light colour	White	45*
Required componen	ts:	600
		30* 800 30*
		13 <sup>5</sup> 0 <sup>6</sup> 15 <sup>6</sup>
SEOUL SEMICONDUCTOR		9n* 9n*
SLOUL SEMICONDUCTOR		
LED	Z5M	75°
FWHM	Asymmetric	
Efficiency	89 %	504 604
LEDs/each optic	1	40
Light colour	White	
Required componen		40' 600 40'
	15.	$\times$
		200
		30* 1000 30* 30*
SEOUL SEOUL SEMICONDUCTOR		
		90° 90°
	75N11/75N12	
LED	Z5M1/Z5M2 Asymmetric	794 77
FWHM	Asymmetric	20 - 21 - 12
FWHM Efficiency	Asymmetric 90 %	
FWHM Efficiency Peak intensity	Asymmetric 90 % 1 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 1 cd/lm 1	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White	27
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 1 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 90 % 1 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 90 % 1 cd/lm 1 White ts:	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation >>> LED FWHM	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation >>> LED FWHM Efficiency	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 %	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation » LED FWHM Efficiency Peak intensity	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation » LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm 1	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation >> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation » LED FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation >> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation >> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen TOSHIBA Leading Innovation >> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 90 % 1 cd/lm 1 White ts: TL1L2 Asymmetric 88 % 0.9 cd/lm 1 White	

PRODUCT DATASHEET



TOSHIBA Leading Innovation >>>		97 92
LED	TL1L3	2
FWHM	Asymmetric	750 755
Efficiency	86 %	
Peak intensity	0.6 cd/lm	-60 <sup>4</sup>
LEDs/each optic	1	**
Light colour	White	45* 440 45*
Required componer	ts:	20
		600 20 <sup>14</sup> 20 <sup>1</sup> 20 <sup>1</sup> 20 <sup>1</sup>

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.

#### 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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