

PRODUCT DATASHEET C16504_STRADA-2X2-T2-M

STRADA-2X2-T2-M

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

SPECIFICATION:

Dimensions Height Fastening ROHS compliant 50.0 x 50.0 mm 11.9 mm glue, pin, screw yes (i)



MATERIALS:

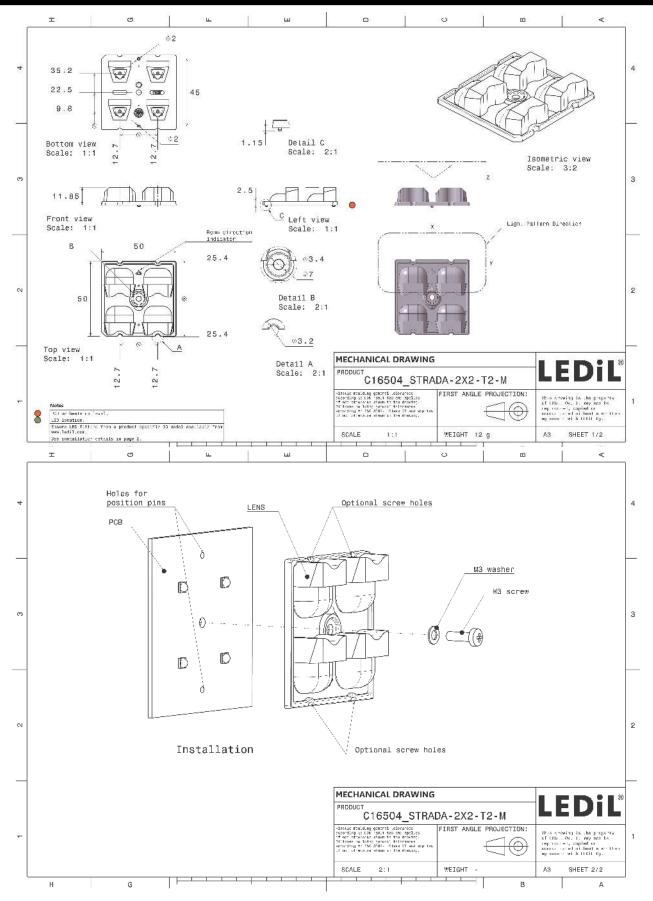
Component	Туре	Material	Colour	Finish
STRADA-2X2-T2-M	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16504_STRADA-2X2-T2-M	800	160	160	10.2
» Box size: 476 x 273 x 292 mm				



PRODUCT DATASHEET C16504_STRADA-2X2-T2-M



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



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			1
LED	XM-L3		Ĩ
FWHM / FWTM	Asymmetric		÷.
Efficiency	95 %		
Peak intensity	1.3 cd/lm	25	a)*
LEDs/each optic	1		
Light colour	White		X
Required compone			-9
		a a a	314
			9 4)
LED	XP-G2		
FWHM / FWTM	Asymmetric		- 151
Efficiency	94 %		
Peak intensity	1.9 cd/lm	*** \ \ * *	601
LEDs/each optic	1		
Light colour	White	e /	45
Required compone	nts:	\times	
		V T+TV	
			$\sum_{i=1}^{n}$
	-	· · · · · · · · · · · · · · · · · · ·	
			907
LED	XP-G3		
FWHM / FWTM	Asymmetric	20	-781
Efficiency	94 %		
Peak intensity	1.5 cd/lm	2.4	
LEDs/each optic	1		
Light colour	White	40°	-5'
Required compone	nts:		
		- 10	
			and .
	EDC		1
	EDS		
LED	LUXEON TX		1.4.
FWHM / FWTM	Asymmetric		an.
Efficiency	%	X/7	
LEDs/each optic	1	$\times \mathcal{M} \times \mathcal{M}$	
Light colour	White	$e \times / \square \times$	45°
Required compone	nts:		
		XI XX	
		2° 10 10 10	*
		10 ⁻	



UMIL	EDS	
LED	LUXEON V2	
FWHM / FWTM	Asymmetric	a contraction of the
Efficiency	94 %	
Peak intensity	1.7 cd/lm	set
LEDs/each optic	1	
Light colour	White	
Required compone		
		X / T / X
		1° 10 10 10 10 10 10 10 10 10 10 10 10 10
MST Your solu	lons	
LED	RecLED 122x50mm 1900lm 730 2x4 Opt G1	
FWHM / FWTM	Asymmetric	*
Efficiency	97 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		\times \land \times
ØNICHI		
LED	NVSW219F	5.°
EED FWHM / FWTM	Asymmetric	11
Efficiency	94 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	X/TNX
Light colour	White	
Required compone		
		\times / \top / \times
		A mer
		The and the second
ØNICHI		
LED	NVSW319B	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	e /
Required compone	nts:	
		VTATV
		1002
		n e 2



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OSRAM		
Opto Semiconductors	Duris S8	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	
Peak intensity	0.8 cd/lm	$X \longrightarrow X$
LEDs/each optic	1	
Light colour	White	< /
Required componer	its:	X X
		V T- V
		X X
		her with the second sec
OSRAM		
Opto Semiconductors	OCI ON Severe DC	**
	OSLON Square PC	
FWHM / FWTM	Asymmetric	V SC/14 VSC/
Efficiency	94 %	
Peak intensity	1.9 cd/lm	X / + X
LEDs/each optic	1 White	
Light colour		× / / / /*
Required componer	15.	X X
		V Tom TV
		X X
		2.5 100 - 10
PHILIP		17 11
		5.4
LED	Fortimo FastFlex LED 2x8 DA G4+	10
FWHM / FWTM	Asymmetric	XTANK X
Efficiency Peak intensity	94 % 1.4 cd/lm	
LEDs/each optic	1	
LEDS/each optic	White	
Required componer		
	lio.	\times / \times
		X / T X
		her the set
SAMSU		
		*
LED	HiLOM RC12 Z (LH181B)	
FWHM / FWTM	Asymmetric	and a los
Efficiency	96 %	\times
Peak intensity	2.1 cd/lm	X MAX
LEDs/each optic	1	
Light colour	White	< / · · ·
Required componer	its:	\times
		/ /
		> I > X



SAMS	ING	
LED	HiLOM RH12 Z (LH351C)	
FWHM / FWTM	Asymmetric	
Efficiency	97 %	XING
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
required compone	лно.	
SAMS	ING	
LED	HiLOM RH16 (LH351C)	
FWHM / FWTM		
Efficiency	Asymmetric 94 %	XINAX
Peak intensity	1.5 cd/lm	\times \times / \otimes \times)
LEDs/each optic	1	
Light colour	White	
Required compone		C /
Required compone	лно.	\times / \times
		\times / \wedge >
		the second of the second secon
SAMS	UNG	
LED	HiLOM RM12 Z (LH502C)	
FWHM / FWTM	Asymmetric	
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	X ALLO
Required compone		
		\times \land \times
		/ / / / / / / / / / / / / / / / / / / /
		in a second
SAMS	UNG	
	HiLOM RM16 Z (LH502C)	
LED	Asymmetric	
	Asvinineuro	
FWHM / FWTM		
FWHM / FWTM Efficiency	98 %	
FWHM / FWTM Efficiency Peak intensity	98 % 0.9 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	98 % 0.9 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	98 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.9 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	98 % 0.9 cd/lm 1 White	



SAMSI	JNG	
LED	HiLOM RM8 Z (LH502C)	
FWHM / FWTM	Asymmetric	20
Efficiency	97 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e"
Required compone	nts:	X X
		207
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SEOUL SEMICONDUCTOR		
LED	Z5M3	
FWHM / FWTM	Asymmetric	22
Efficiency	94 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	LX/TXX
Light colour	White	
Required compone	nts:	
		310
		\times / \wedge \times
		1. No.
		10° 10° 10° 10°
SEOUL SEMICONDUCTOR		
LED	Z5M4	
FWHM / FWTM	Asymmetric	
Efficiency	96 %	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	X/TTXX
Light colour	White	
Required compone	ints:	



ED XHP35 HD WMM / FWTM Asymmetric ifficiency 94 % vesk intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: Vestication WMM / FWTM Asymmetric ifficiency 94 % Vesk intensity 1.4 cd/m EDs/each optic 1 ifficiency 94 % vesk intensity 1.4 cd/m EDs/each optic 1 ifficiency 94 % vesk intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: Vestication CREEE>LED XP-G2 WHM / FWTM Asymmetric ight colour % % vesk intensity 1.1 cd/m EDs/each optic 1			
ED Bridgelox SMD 5050 YMM / FWTM Asymmetric fitciency 73 % Valx iteratify 0.5 cdfm EbSeach quic 1 ight colour While Regulard components: Image: State	bridgelux		
WHM / FVTM Asymmetric Ebiesch opio 1 Bit colour White Ebiesch opio 1 Bit colour White Ebiesch opio 1 Bit colour White CREE > LED XHP35 HD ED XHP35 HD WMM / FVTM Asymmetric Efficiency 94 % Hack Intensity 1.4 cd/m ED extensity 1.4 cd/m Extensity		Bridgelux SMD 5050	
ifficiency 79% reak introsity 0.5 cd/m EDs/each opic 1 ight colour White Eds/each opic 1 ight colour White ED XI-P36 HD WHM FWTM Asymmetric ifficiency 94% reak intrasity 1.4 cd/m EDs/each opic 1 ight colour White Eds/each opic 1 ight			
teak intensity 0.5 codm EDs/seach optic 1 git colour White tequired components: Protective plate, glass CREE↓LED ED WHM /FWTM Asymmetric fificiency 94% tequired components: CREE↓LED ED XM L2 WHite tequired components: CREE↓LED ED XM L2 WHite tequired components: CREE↓LED ED XM L2 WHite ED Seach optic 1 ignt colour White EDS/seach optic 1 ignt colour White tequired components: Protective plate, glass			
EDvisant optic 1 ight colour White Required components: Protective plate, glass			
ight colour White tequired components: Protective plate, gloss ED XHP35 HD WHM /FVTM Asymmetric fitticency 94% teak intensity 1.4 cd/m EDs/seach optic 1 ight colour White tequired components: ED XML2 WHM /FVTM Asymmetric fitticency 94% teak intensity 1.4 cd/m EDs/seach optic 1 ight colour White ED XML2 WHM /FVTM Asymmetric fitticency 94% teak intensity 1.4 cd/m EDs/seach optic 1 ight colour White ED XML2 WHM /FVTM Asymmetric fitticency 94% teak intensity 1.4 cd/m EDS/seach optic 1 ight colour White ED XML2 WHM /FVTM Asymmetric fitticency 91% ED XML2 WHM /FVTM Asymmetric fitticency 94% teak intensity 1.1 cd/m EDS/seach optic 1 ight colour White teapured components: Protective plate, glass			
tequired components: Protective plate, glass CREE\$LED ED XH/D5 HD WMM /FVTM Asymmetric ifficiency 94 % reak itensity 1.4 cofm EDs/seach optic 1 ight colour White Required components: CREE\$LED ED XM-L2 WMM /FVTM Asymmetric ifficiency 94 % He with the tequired components: CREE\$LED ED XM-L2 WMM /FVTM Asymmetric ifficiency 94 % He with the tequired components: CREE\$LED ED XM-L2 WMM /FVTM Asymmetric ifficiency 94 % He with the tequired components: CREE\$LED ED XM-L2 WMM /FVTM Asymmetric ifficiency 81 % reak itensity 1.1 colom EDs/seach optic 1 ight colour White Required components: Frotective plate, glass CREE\$LED ED XP-Q2 WMM /FVTM Asymmetric ifficiency 81 % Text itensity 1.1 colom EDs/seach optic 1 ight colour White Required components: Frotective plate, glass			
Protective plate, glass CREESIED ED XH23 HD WHM / FVTM Asymmetric Hidency 94 % Vak intensity 1.4 cd/m ED%ach optic 1 ight colour White Required components: CREESIED ED CR		white	
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CREESIED ED XHP35 HD WHM /FWTM Asymmetric fifticiency 94% teak intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: VHL2 WHM /FWTM Asymmetric fifticiency 94% vask intensity 1.4 cd/m ED XM-L2 WHM /FWTM Asymmetric fifticiency 94% vask intensity 1.4 cd/m EDs/vach optic 1 ight colour White Required components: Image: Creating the symmetric ifficiency 94% vask intensity 1.4 cd/m EDs/vach optic 1 ight colour White Required components: Image: Creating the symmetric WHM /FWTM Asymmetric ifficiency 81% vask intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components: Image: Creating the symmetric <th></th> <th></th> <th><</th>			<
ED XHP35 HD WHM / FVTM Asymmetric filiciency 94 % veak intensity 1.4 cd/m EDs/eed optic 1 ight colour White tequired components: CREE LED ED XM-L2 WHM / FVTM Asymmetric filiciency 94 % veak intensity 1.4 cd/m EDs/eed optic 1 ight colour White tequired components: CREE LED ED XP-G2 WHM / FVTM Asymmetric filiciency 81 % tequired components: Protective plate, glass			
WHM / FWTM Asymmetric ifficiency 94 % wask intensity 1.4 cd/m Ebs/each optic 1 ight colour White Required components: Image: Components: CCREE > LED KML2 WMM / FWTM Asymmetric ifficiency 94 % Veak intensity 1.4 cd/m EDS/seach optic 1 ight colour White Veak intensity 1.4 cd/m EDS/seach optic 1 ight colour White Veak intensity 1.4 cd/m EDS/seach optic 1 ight colour White Veak intensity 1.1 cd/m Eds/seach optic 1 ight colour White Veak intensity 1.1 cd/m EDS/seach optic 1 ight colour White Veak intensity 1.1 cd/m EDs/each optic 1 ight colour White EDs/each optic 1 ight colour White Euglide			60 To 10 m
ifficiency 94% teak intensity 1.4 cd/lm Ebs/each optic 1 ight colour White ED XM-L2 WHM / FVTM Asymmetric ifficiency 94% reak intensity 1.4 cd/lm EDs/each optic 1 ight colour White ED XP-G2 WHM / FVTM Asymmetric ifficiency 81% reak intensity 1.1 cd/lm EDs/each optic 1 ight colour White EDS XP-G2 WHM / FVTM Asymmetric ifficiency 81% reak intensity 1.1 cd/lm EDs/each optic 1 ight colour White EDS XP-G2 WHM / FVTM Asymmetric ifficiency 81% reak intensity 1.1 cd/lm EDS/each optic 1 ight colour White EDS XP-G2 WHM / FVTM Asymmetric ifficiency 81% reak intensity 1.1 cd/lm EDS/each optic 1 ight colour White EDS XP-G2 WHM / FVTM Asymmetric ifficiency 81% YHM / FVTM Asymmetric ifficiency 91% YHM / FVTM Asymmetric YHM / FVTM / FVTM Asymmetric YHM / FVTM / FVTM / FVTM Asymmetric YHM / FVTM	LED	XHP35 HD	
Peak Intensity 1.4 cd/lm EDs/aedo hotic 1 ight colour White ED XM-L2 WHM / FVTM Asymmetric fficiency 94% Peak intensity 1.4 cd/lm EDs/aedo hotic 1 ight colour White tequired components: ED XP-G2 WHM / FVTM Asymmetric fficiency 1 ight colour White tequired components: Protective plate, glass	FWHM / FWTM	Asymmetric	
EDs/each optic 1 ight colour White Required components: ED XM-L2 WHM / FWTM Asymmetric fifticiancy 94 heak intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: ED XP-G2 WHM / FWTM Asymmetric fifticiancy 1.1 cd/m EDs/each optic 1 ight colour White Required components: ED XP-G2 WHM / FWTM Asymmetric fifticiancy 1.1 cd/m EDs/each optic 1 ight colour White Required components: Protective plate, glass	Efficiency	94 %	
ight colour White tequired components: White ED XM-L2 WHM / FVTTM Asymmetric Sifticiancy 94% eak intensity 1.4 col/m EDs/each optic 1 ight colour White tequired components: Set	Peak intensity	1.4 cd/lm	
tequired components: ECREECIEC ED XM-L2 WHM / FVTM Asymmetric Efficiency 94% Peak Intensity 1.4 cd/m EDs/each optic 1 Ejs/each optic 1 Egs/each optic 1 White tequired components: ED XP-G2 WHM / FVTM Asymmetric Efficiency 81% Protective plate, glass	LEDs/each optic	1	
CREECLED ED XM-L2 WHM / FVTM Asymmetric ifficiency 94 % eak intensity 1.4 cd/m ED/seak optic 1 ight colour White Required components: Image: Component State Sta	Light colour	White	K Martin &
CREECIED ED XM-L2 WHM / FWTM Asymmetric Stificiency 94 % Peak intensity 1.4 cd/lm EDs/each optic 1 ight colour White Required components: Image: Component of the set	Required components:		
CREECIED ED XM-L2 WHM / FWTM Asymmetric Stificiency 94 % Peak intensity 1.4 cd/lm EDs/seach optic 1 ight colour White Required components: Image: Component of the symmetric of			
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ED XM-L2 WHM / FWTM Asymmetric fficiency 94 % leak intensity 1.4 cd/lm EDs/each optic 1 light colour White tequired components: ED XP-G2 WHM / FWTM Asymmetric fficiency 81 % heak intensity 1.1 cd/lm EDs/each optic 1 light colour White tequired components: Protective plate, glass			E n' e y 🌮
WHM / FWTM Asymmetric ifficiency 94 % Peak intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: Image: Component State			
WHM / FWTM Asymmetric ifficiency 94 % Peak intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: Image: Component State	LED	XM-L2	
ifficiency 94 % Peak intensity 1.4 cd/lm EDS/each optic 1 ight colour White Required components: ED XP-G2 WHM / FWTM Asymmetric ifficiency 81 % Peak intensity 1.1 cd/lm EDS/each optic 1 ight colour White Required components: Protective plate, glass	FWHM / FWTM		
Peak intensity 1.4 cd/lm EDs/each optic 1 ight colour White Required components: Image: Component State	Efficiency		
EDs/each optic 1 ight colour White Required components: CREE\$LED ED XP-G2 WHM / FWTM Asymmetric ifficiency 81 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components: Protective plate, glass	Peak intensity	1.4 cd/lm	20° / - 100 / - 100
ight colour White Required components: CREECIED ED XP-G2 WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass	LEDs/each optic		
Required components:	Light colour	White	
CREE©LED ED XP-G2 WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass	Required components:		
CREECIED ED XP-G2 WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/m EDs/each optic 1 ight colour White Required components: Protective plate, glass			
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CREECIED ED XP-G2 WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass			
ED XP-G2 WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components:			r n v
WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass			
WHM / FWTM Asymmetric Efficiency 81 % Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass	LED	XP-G2	
Efficiency 81 % Peak intensity 1.1 cd/lm EDS/each optic 1 ight colour White Required components: Protective plate, glass	FWHM / FWTM		
Peak intensity 1.1 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass	Efficiency		XIN
EDs/each optic 1 ight colour White Required components: Protective plate, glass			\sim X// \sim X
ight colour White Required components: Protective plate, glass			
Protective plate, glass	Light colour		
Protective plate, glass			
	Protective plate	e, glass	\times \times
			/
			2° 10° 20°



LED	XP-G2 HE	··· **
FWHM / FWTM		a composition of the
	Asymmetric 90 %	
Efficiency Peak intensity	1.2 cd/lm	
	1.2 co/int	\times / $\rightarrow \bullet$ \times /
LEDs/each optic	u White	$Z \times I X \times Y$
Light colour Required components:	White	× / 7-+- < \ /
Required components.		
		\sim
		Te Martin Mar
LED	XP-G3	
FWHM / FWTM	Asymmetric	
Efficiency	77 %	XXX A.
Peak intensity	0.8 cd/lm	10 X X - 30 X / 40
LEDs/each optic	1	
Light colour	White	
Required components:		NX/TX/
Protective plate	e, glass	X
LED	XP-L2	
FWHM / FWTM	Asymmetric	the second secon
Efficiency	78 %	
Peak intensity	0.7 cd/lm	$XX \rightarrow XX$
LEDs/each optic	1	XX-XXJ
Light colour	White	
Required components:		XTX
Protective plate		XMAX
FIDIECTIVE plate	, giass	XTAX
		10
LED	XP-L2	**
FWHM / FWTM	Asymmetric	
Efficiency	92 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	$ X/ T \setminus X $
Light colour	White	
Required components:		
		\times / T \ \times
		2.4



		TA ATL
LED	XP-L2	
FWHM / FWTM	Asymmetric	
Efficiency	78 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		X + X
Protective plate	e, glass	X Markey
LED	XT-E	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	1.5 cd/lm	$X \times / T \times 2$
LEDs/each optic	1	XAXX
Light colour	White	
Required components:		V T-T-TV
		Ne:
		\times \wedge \times
		2* 10 [*] 0 [*] 0 [*] 0 [*]
	S	TAY SAL
		P**
	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	Asymmetric 94 %	
Efficiency Peak intensity	94 % 1.6 cd/lm	14 A. H. H. A. A.
FEAN INCHISILY		
LEDs/each optic	1	
LEDs/each optic Light colour		e - 10 - 10
LEDs/each optic	1	e - 19 - 40
LEDs/each optic Light colour	1	fr 30 40
LEDs/each optic Light colour	1	1. 19 - 19 - 40 30
LEDs/each optic Light colour	1	
LEDs/each optic Light colour Required components:	1 White	
LEDs/each optic Light colour Required components:	1 White	
LEDs/each optic Light colour Required components:	1 White DS LUXEON 3030 2D (Square LES)	
LEDs/each optic Light colour Required components:	1 White	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
LEDs/each optic Light colour Required components:	1 White DS LUXEON 3030 2D (Square LES) Asymmetric	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency	1 White DS LUXEON 3030 2D (Square LES) Asymmetric 94 %	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
LEDs/each optic Light colour Required components: UDMILED FWHM / FWTM Efficiency Peak intensity	1 White S LUXEON 3030 2D (Square LES) Asymmetric 94 % 1.6 cd/m	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White DS LUXEON 3030 2D (Square LES) Asymmetric 94 % 1.6 cd/lm 1	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
LEDs/each optic Light colour Required components: UDMILED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White DS LUXEON 3030 2D (Square LES) Asymmetric 94 % 1.6 cd/lm 1	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
LEDs/each optic Light colour Required components: UED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White DS LUXEON 3030 2D (Square LES) Asymmetric 94 % 1.6 cd/lm 1	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
LEDs/each optic Light colour Required components: UDMILED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White DS LUXEON 3030 2D (Square LES) Asymmetric 94 % 1.6 cd/lm 1	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0



@	DC	
COMILE	DS	
LED	LUXEON 5050 HE	
FWHM / FWTM	Asymmetric	
Efficiency	81 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	MA-
Light colour	White	
Required components	:	N.V.
Protective pla	ate, glass	XX-
	DS	 IN M
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	X /
Required components	:	
		V T
		$ \mathcal{N} $
		10 million Allino Allin
		 2 · · · · · · · · · · · · · · · · · · ·
UMILE	DS	$-\square \ge \square$
LED	LUXEON 5050 Round LES	
FWHM / FWTM	Asymmetric	
Efficiency	84 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	$F \times I \to X$
Required components	:	
		\times / \times
Protective pla	ate, glass	
	DS	
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	
Efficiency	81 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	N MANY
Light colour	White	
Required components		
		NITIV
Protective pla	ate, glass	



COLUMILE	DS	
LED	LUXEON 5050 Square LES	
FWHM / FWTM	Asymmetric	20
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	X/TXX
Light colour	White	
Required components	:	
		XITIX
		£
	DS	
LED	LUXEON HL2X	a the second sec
FWHM / FWTM	Asymmetric	
Efficiency	80 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e •
Required components		
Protective pla	ate, glass	
	DS	27
LED	LUXEON TX	
FWHM / FWTM	Asymmetric	
Efficiency	79 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components	:	
Protective pla	ate, glass	
	DS	
LED	LUXEON V	
FWHM / FWTM	Asymmetric	
Efficiency	91 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	$\times / T^{+} \times \times$
Light colour	White	
Required components		
. equired components		
		X TTV



	DS	IN THE FILM
LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)	
FWHM / FWTM	Asymmetric	and the second s
Efficiency	80 %	XXH
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		X
Protective plate	e, glass	$X \rightarrow X$
	DS	
LED	LUXEON XR-HL2X (L2H2-xxxxxxMLU010)	
FWHM / FWTM	Asymmetric	
Efficiency	95 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	K. A
Required components:		
		1 A A
		\times / \times X
Manara		n' e 50 "
WNICHIA		r
LED	NF2x757G	
FWHM / FWTM	Asymmetric	in Charles and
Efficiency	81 %	\bigvee \times $/$ $ $ \bigvee \times \sim
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plat		
Fiblective plat	z, ylass	
		and the second s
ØNICHIA		
LED	NV4WB35AM	
FWHM / FWTM	Asymmetric	and the second
Efficiency	95 %	
		MAY AND
Peak intensity	1.1 cd/lm	$X / 7 \rightarrow 1 $
Peak intensity LEDs/each optic	1.1 cd/lm 1	
		e v v
LEDs/each optic	1	E
LEDs/each optic Light colour	1	
LEDs/each optic Light colour	1	
LEDs/each optic Light colour	1	



LED NVSW219F FWHM / FWTM Asymmetric Efficiency 80 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: •	
LED NVSW219F FWHM / FWTM Asymmetric Efficiency 80 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	
FWHM / FWTM Asymmetric Efficiency 80 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	A.
Efficiency 80 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	NTV.
Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White	
LEDs/each optic 1 Light colour White	(W1
Light colour White	
	XX
Required components.	
37.7%	
Protective plate, glass	
21 (A) (A)	5° - **
<i>⊗</i> NICHIΛ	
LED NVSW519A	
FWHM / FWTM Asymmetric	1-1
Efficiency 93 %	MX NI
Peak intensity 1 cd/lm	+
LEDs/each optic 1	
Light colour White	
Required components:	
	1
	\
	\$* _ *
₩NICHIA	FTT
LED NVSW519A	
FWHM / FWTM Asymmetric	
Efficiency 82 %	
Peak intensity 0.7 cd/lm	\sim \times $/$
LEDs/each optic 1	
Light colour White	
Required components:	
Protective plate, glass	
<i>⊗</i> NICHIΛ	1-1
LED NVSxx19B/NVSxx19C	×*
FWHM / FWTM Asymmetric	A Marine
Efficiency 82 %	
Peak intensity 1 cd/lm	X m
LEDs/each optic 1	
Light colour White	
Required components:	
Protective plate, glass	
	30 - 8 0



Mauguna		
WNICHIA		
		m
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	Asymmetric	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required components:		\times
		V 7
		2° 10' 0' 10' 10'
OSRAM Opto Semiconductors		THAT WHITE
Opto Semiconductors	Duris S8	27 X
FWHM / FWTM	Asymmetric	at the
Efficiency	79 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	$X \times I \times X$
Light colour	White	
Required components:		X + X
- 1		Xtory
Protective plate	e, glass	X A Y
OSRAM Opto Semiconductors		
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	4	$\perp X / \top X X$
Light colour	White	
Required components:		
		\times / \top \times
OSRAM		
Opto Semiconductors		e
	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	1.4 cd/lm 1	
LEDs/each optic Light colour	1 White	
Required components:	AALIIG	
DEMONECT COMPANIENCE.		
		A A A A A A A A A A A A A A A A A A A
. toquirou componente.		V TATY
		XIX



teresteries ED OSLON Square CSSRM2/CSSRM3 WMM / FWTM Asymmetric #ficiency 82 % tesk intensity 0.8 cd/m EDs/each optic 1 ight colour White tequired components: Protective plate, glass Protective plate, glass			
ED OSLON Square CSSRM2/CSSRM3 WHM /FWTM Asymmetric fifeency 22 % Vak intensity 0.8 cV/m legication while legication of the state of the	OSRAM		
WHM / FVTM Asymmetric filedency 82 % text intensity 0.8 dd/m EDseatch optic 1 ight colour White text intensity 1.4 dd/m EDseatch optic 1 ight colour White text intensity 1.2 dd/m EDseatch optic 2 FORTION FastFlex LED 2x8 DA G4 WHM / FVTM Asymmetric filedency 80 % text intensity 1.2 dd/m EDseatch optic 1 ight colour White text intensity 1.2 dd/m EDseatch optic 1 ight colour White text intensity 0.2 dd/m EDseatch optic 1 ight colour White text intensity 0.9 dd/m		OSLON Square CSSBM2/CSSBM2	27 N
ificiency 82% teak intensity 0.8 ddfn Ebweach optic 1 ight colour White tequired components: Protocive plate, glass			10 N.
reak Intensity 0.6 ddfm EDaskaach optic 1 EDaskaach optic 1 EDaskaach optic 1 igit colour White Bor OSLON Square CSSRM2/CSSRM3 WM /F VTM Asymmetric Ifficiency 94 % teak Intensity 1.4 ddfm EDaskach optic 1 ight colour White Required components: POPLILIPS ED EDSeach optic 1 ight colour White Required components: Protective plate, glass POPLICIPS EDSeach optic 1 ight colour White Required components: Protective plate, glass Protective plate			X AND R
Ebs/ach optic 1 ight colour White tequined components: Protective plate, glass			
ight colour White tequited components: Protective plate, glass			V MAK V
tequired components: Protective plate, glass Protective plate, glass Protective plate,			\sim
Protective plate, glass Protective plate, glas Protective plate, glas Protective plate, glas Protective plate, glas Protective plate, glas Pro		White	e / *
ED OSLON Square CSSRM2/CSSRM3 WHM /FWTM Asymmetric Hitchency 94% vask intensity 1.4 cd/m Ebs/each optic 1 Ight colour White Required components: POTIC PastFlex LED 2x8 DA G4 WHM /FWTM Asymmetric Hitchency 80% vask intensity 1.2 cd/m Ebs/each optic 1 Ight colour White Required components: Protective plate: glass PENLUPS ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Ebs/each optic 1 Ight colour White Required components: Protective plate: glass PENLUPS ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Ebs/each optic 1 Ight colour White Required components: Protective plate: glass PENLUPS ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 70% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 70% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 70% Vask intensity 0.9 cd/m Efficiency 70% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Ight colour White	Required components:		
ED OSLON Square CSSRM2/CSSRM3 WHM /FWTM Asymmetric Hitchency 94% vask intensity 1.4 cd/m Ebs/each optic 1 Ight colour White Required components: POTIC PastFlex LED 2x8 DA G4 WHM /FWTM Asymmetric Hitchency 80% vask intensity 1.2 cd/m Ebs/each optic 1 Ight colour White Required components: Protective plate: glass PENLUPS ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Ebs/each optic 1 Ight colour White Required components: Protective plate: glass PENLUPS ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Ebs/each optic 1 Ight colour White Required components: Protective plate: glass PENLUPS ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM /FWTM Asymmetric Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 79% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 70% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 70% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Required components: Efficiency 70% Vask intensity 0.9 cd/m Efficiency 70% Vask intensity 0.9 cd/m Ebs/each optic 1 Ight colour White Ight colour White	Protective plate	, glass	
ED OSLON Square CSSRM2/CSSRM3 WHM / FWTM Asymmetric Hifeiency 94 % veak intensity 14 cd/m EDs/each optic 1 Ight colour White tequired components: PHILIPS ED Fortimo FastFiex LED 2x8 DA G4 WMM / FWTM Asymmetric Hifeiency 80 % veak intensity 12 cd/m EDs/each optic 1 Ight colour White tequired components: Protective plate, glass PHILIPS ED Fortimo FastFiex LED 2x8 DA G5 WMM / FWTM Asymmetric Hifeiency 79 % Veak intensity 0.9 cd/m EDs/each optic 1 Ight colour White tequired components: Protective plate, glass Hifeiency 79 % Veak intensity 0.9 cd/m EDs/each optic 1 Ight colour White tequired components: Protective plate, glass Hifeiency 79 % Veak intensity 0.9 cd/m EDs/each optic 1 Ight colour White tequired components: Hifeiency 79 % Veak intensity 0.9 cd/m EDs/each optic 1 Ight colour White tequired components: Hifeiency 79 %			\times / \land \times
Methanization ED OSLON Square CSSRM2/CSSRM3 WHM / FWTM Asymmetric Hifeiency 94 % Yeak intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: PHILLIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric Hifeiency 80 % Yeak intensity 1.2 cd/m EDs/each optic 1 ight colour White Required components: Protective plate, glass PHILLIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m ED Sylach optic 1 ight colour White Required components: Protective plate, glass PHILLIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Required components: Protective plate, glass PHILLIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Required components: Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Required components: Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 70 % Phillips Phillips Phillips Phillips Phillips Phillips Phillips Phillips Phillips Phillips Phillips Phillips			21* 10 ⁴ 10 ⁴ 10 ⁴ 10 ⁴ 10 ⁴
ED OSLON Square CSSRM2/CSSRM3 WMM / FVTM Asymmetric filiciency 94% veak intensity 1.4 cd/lm EDs/each optic 1 ight colour White ED Fortimo FastFlex LED 2x8 DA G4 WMM / FWTM Asymmetric ifficiency 80% Veak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate. glass Protective plate. LED 2x8 DA G5 WMM / FWTM Asymmetric ifficiency 79% PWM / FWTM Asymmetric ifficiency 79% VMM / FWTM Asymmetric ifficiency 70% VMM / FWTM Asymetri	OSRAM Opto Semiconductors		
WHM / FWTM Asymmetric Hifeiency 94 % Versite intensity 1.4 cd/m EDs/each optic 1 ight colour White Required components: PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric EDs/each optic 1 ight colour White Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Hifeiency 79 % Philips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Hifeiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Philips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Philips ED White Philips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Philips ED White Philips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Hifeiency 79 % Philips ED White Philips ED White Philips Phi	LED	OSLON Square CSSRM2/CSSRM3	
ifficiency 94 % beak intensity 1.4 cd/m EDs/each optic 1 ight colour White tequired components:	FWHM / FWTM		m C le la m
<pre>leak intensity 1.4 cd/m EDs/each optic 1 ight colour White Equired components: PHILLIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric ifficiency 80 % Peak intensity 1.2 cd/m EDs/each optic 1 ight colour White Equired components: Protective plate, glass PHILLIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White Eds/each optic 1 ight colour White Eds/each optic 1 ight colour Y HW / FWTM Asymmetric ifficiency 90.9 cd/m ED Y=000000000000000000000000000000000000</pre>	Efficiency	-	
EDs/each optic 1 ight colour White Required components: PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FVTM Asymmetric ifficiency 80 % Peak intensity 1.2 col/Im EDs/each optic 1 ight colour White Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FVTM Asymmetric ifficiency 79 % Peak intensity 0.3 col/Im EDs/each optic 1 ight colour White Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FVTM Asymmetric ifficiency 79 % Peak intensity 0.3 col/Im EDs/each optic 1 ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM / FVTM Asymmetric ifficiency 79 % Peak intensity 0.3 col/Im EDs/each optic 1 ight colour White Required components:	-	1.4 cd/lm	$(X \land + \land X)$
ight colour White tequired components: PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric ifficiency 80 Yeak intensity 1.2 cd/m EDs/each optic 1 ight colour White tequired components: Protective plats ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/m EDs/each optic 1 ight colour White texa intensity 0.9 cd/m EDs/each optic 1 ight colour White texa intensity 0.9 cd/m EDs/each optic 1 ight colour White texa intensity 0.9 cd/m			
Required components:			
PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric fficiency 80 % Peak intensity 1.2 cd/m EDS/each optic 1 ight colour White Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 29 % Peak intensity 0.9 cd/m EDS/each optic 1 ight colour White Required components:			$\Lambda \wedge A > 2$
PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric fficiency 80 % Peak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components:			$\times / \wedge \times$
PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric fficiency 80 % Peak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components:			
PHILIPS ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric fficiency 80 % Peak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components: ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components:			
ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric ifficiency 80 % eak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: White Protective plate, glass Image: state of the			
ED Fortimo FastFlex LED 2x8 DA G4 WHM / FWTM Asymmetric ifficiency 80 % eak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: White Protective plate, glass Image: state of the	PHILIPS		
WHM / FWTM Asymmetric ifficiency 80 % Peak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Image: Component in the image: Compo			
ifficiency 80 % Peak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Image: Component State Stat			
eak intensity 1.2 cd/lm EDs/each optic 1 ight colour White Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components: FOR Past Flex LED 2x8 DA G5		-	X/>
EDs/each optic 1 ight colour White Required components: Protective plate, glass Protective plate, glass Phillips ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components:			er X / 💛 X 🐭
ight colour White Required components: Protective plate, glass Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric ifficiency 79 % Peak intensity 0.9 cd/lm EDS/each optic 1 ight colour White Required components:			
Required components: Protective plate, glass PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components:			$X / T \land X$
Protective plate, glass		White	
ED Fortimo FastFlex LED 2x8 DA G5 FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDS/each optic 1 ight colour White Required components: Image: Component State	Required components.		
ED Fortimo FastFlex LED 2x8 DA G5 FWHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDS/each optic 1 ight colour White Required components: Image: Component State	Protective plate	, glass	$\times / \wedge \times$
PHILIPS ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/m EDS/each optic 1 ight colour White Required components:			/
ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components: ************************************			
ED Fortimo FastFlex LED 2x8 DA G5 WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components: ************************************	PHILIPS		
WHM / FWTM Asymmetric Efficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 light colour White Required components: ************************************	LED	Fortimo FastFlex LED 2x8 DA G5	
Efficiency 79 % Peak intensity 0.9 cd/lm EDs/each optic 1 ight colour White Required components:			
Peak intensity 0.9 cd/lm EDs/each optic 1 light colour White Required components: 10		-	
EDs/each optic 1 ight colour White Required components:			
ight colour White Required components:			
Required components:			
		THE CONTRACT OF CONTRACT.	K / free the second sec
Protective plate, glass	Noquirea components.		
	Protective plate	, glass	
FUNDED IN CONTRACTOR			\times $/$ $/$ \times
z. <u>u</u> <u>w</u> <u>w</u>			2° 10 12 17 10 10



PHILIPS		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LED	, Fortimo FastFlex LED 2x8 DA G5	
FWHM / FWTM	Asymmetric	
Efficiency	93 %	
Peak intensity	1.3 cd/lm	64 ⁴ - 10 - 66 ⁴
LEDs/each optic	1	
Light colour	White	
Required components:		
		×
		2.* <u>10</u> 0' 0' 0'
PHILIPS		TACAT
LED	Fortimo FastFlex LED 2x8 DAX G4	
FWHM / FWTM	Asymmetric	
Efficiency	83 %	XX/1+
Peak intensity	1.1 cd/lm	20° 20
LEDs/each optic	1	
Light colour	White	
Required components:		
Dente stive alst		XM XX
Protective plate	a, glass	XTACX
SAMSUN	IG	
LED	HiLOM RM8 Z (LH502C)	
FWHM / FWTM	Asymmetric	
Efficiency	85 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	V A+
Light colour	White	
Required components:		
		\times (\setminus \times
Protective plate	e, glass	
		20
SAMSUN	16	
	LH351B	
FWHM / FWTM	Asymmetric	
Efficiency Rock intensity	80 % 0.8 cd/lm	at the second
Peak intensity LEDs/each optic	0.8 cd/lm 1	
Light colour	1 White	
Required components:	WING	
required components.		X
Protective plate	e, glass	XX++X
		KALAA
		r



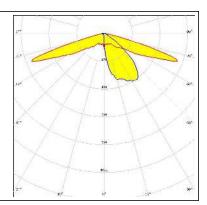
SAMSUN	IG		ITA'-X	7
LED	LH351C			-
EED FWHM / FWTM			of mon	1
Efficiency	Asymmetric 88 %			1
Peak intensity	00 % 1 cd/lm		$\sim \sim $	
				~
LEDs/each optic	1 White		Ant	
Light colour Required components:	vvnite			
Required components:				
Protective plate	, glass		X	1
			× 7	
			r. n. K.	-in-
SECUL SEMICONDUCTOR			: T-7 Y	
SEARCH SEMILUNDULTUK				~1
LED	Z5M1/Z5M2			
FWHM / FWTM	Asymmetric			V
Efficiency	%			2
LEDs/each optic	1			
Light colour	White		X / +-+-+	
Required components:			\times \wedge	
			V 7	
			7-1	
			10	
			F	je .
			LAAX	-T
LED	Z5M3			4
FWHM / FWTM	Asymmetric		k A	-
Efficiency	80 %		MAXX M	
Peak intensity	1 cd/lm		* X	X
LEDs/each optic	1		VV-14-Y	
Light colour	White		6 March	
Required components:				
Protective plate	, glass			
			/ · · · · · · · · · · · · · · · · · · ·	
			n	-ip
				Y
LED	Z5M4			-
FWHM / FWTM	Asymmetric			
Efficiency	82 %		XIN	
Peak intensity	0.9 cd/lm		$\leq \chi / / \chi$) X
LEDs/each optic	1		V 74.	
Light colour	White			
Required components:				
Protective plate	, glass			
			/	-training
			n, h	Gr



TRIDONIC

LED

FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required 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:

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LEDiL Oy

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