

### STRADELLA-8-HV-T3

IESNA Type III (medium) beam for roads that are equal to or wider than mounting height. Variant with improved creepage distance for high voltage circuit designs.

#### **SPECIFICATION:**

Dimensions	49.5 x 49.5 mm
Height	5 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



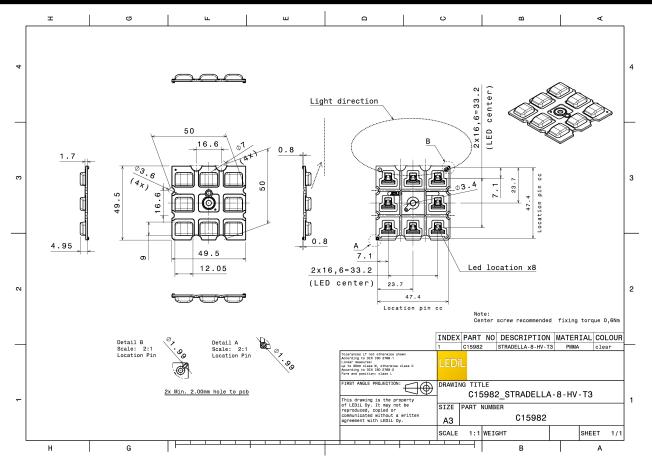
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
STRADELLA-8-HV-T3	Multi-lens	PMMA	clear	

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15982_STRADELLA-8-HV-T3	800	160	160	5.7
» Box size: 480 x 280 x 300 mm				





See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



### **OPTICAL RESULTS (MEASURED):**

			90* 90
LED	J Series 3030		A
FWHM / FWTM	Asymmetric		75°
Efficiency	97 %		
Peak intensity	0.7 cd/lm		en e
LEDs/each optic	1		400
Light colour	White		45° 45
Required compone			50
			X   X
			200
			$\times$ / $\times$
			30* 13 <sup>5</sup>
LED	XD16		90* 90*
FWHM / FWTM	Asymmetric		75°
Efficiency	94 %		
Peak intensity	0.8 cd/lm		80 <sup>4</sup> 601
LEDs/each optic	1		
Light colour	White		
Required compone			42, 600
Required compone	ento.		
			30* 15° 30*
			THA KHI
	VTF		90° 90°
LED FWHM / FWTM	XT-E		75*
Efficiency	Asymmetric 94 %		
			60' 60'
Peak intensity LEDs/each optic	0.6 cd/lm 1		30
LEDS/each optic	White		40
Required compone			e e
Required compone	ents.		500
			000
			700
			30° 13 <sup>5</sup> 0° 15° 30°
	FDS		
	LUXEON TX		
FWHM / FWTM	Asymmetric		
Efficiency	94 %		
Peak intensity	0.7 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		



#### **OPTICAL RESULTS (MEASURED):**

FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/m LEDs/each optic 1 Lght colour White Required components:			
LED LUXEON V2 FWHM / FVTTM Asymmetric Efficiency 94 % Peak intensity 0.6 cd/lm LEDS/each optic 1 LEDS/each optic 2 FWHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDS/each optic 1 Light colour White Required components: COSCNIQ S 3030 (QSLR31) FVHM / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDS/each optic 1 Light colour White Required components:	COMIL	EDS	94* 99*
FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.6 cd/m    LEDs/each optic  1    Light colour  White    Required components:  Image: Colour of the col	LED		
Efficiency 94 % Peak intensity 0.6 ofd/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 odf/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 odf/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 colf/m LED/each option 1 Light colour White Required components: EVILI / FVTM Asymmetric Efficiency 94 % Peak intensity 0.7 colf/m LED/each option 1 Light colour White Required components:	FWHM / FWTM		200 - 701.
Peak intensity 0.6 cd/lm LEDS/each optic 1 Lght colour White Required components:	Efficiency		
LEDs/each optic 1 Light colour White Required components:	-		. 60 <sup>-</sup>
Light colour White Required components: ENCHINE LED NE2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: ENCENNE LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 col/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components: Efficiency 94 % Peak intensity 0.7 col/m LEDs/each optic 1 Light colour White Required components:		1	
Required components:		White	(c)
Image: Constraint of the symmetric straint of the symmetric strai		nts:	500
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			700
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			
LED NF2W585AR FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: CORCENT Descent Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:			30 <sup>4</sup> 25 <sup>5</sup> 0 <sup>6</sup> 25 <sup>4</sup> 30 <sup>7</sup>
EVHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components: COSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:	<b>MNICHIA</b>	х х	50° 50°
Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components LED SCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components	LED	NF2W585AR	100
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: COSCAN Gene Subsection LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	Asymmetric	75*
LEDs/each optic 1 Light colour White Required components:	Efficiency	94 %	
Light colour White Required components:	Peak intensity	0.7 cd/lm	. 60 <sup>4</sup>
Required components: COSRAM Over Semenature LED OSCONIQ S 3030 (QSLR31) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/m LEDs/each optic 1 Light colour White Required components:	LEDs/each optic	1	400
OSREM    Upd Semiconductor    LED  OSCONIQ S 3030 (QSLR31)    FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components:  Image: Colour of the second of the s	Light colour	White	45° 500 45°
OSCONIQ S 3030 (QSLR31)    FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components:	Required compone	nts:	60
OSCONIQ S 3030 (QSLR31)    FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components:			
OSCONIQ S 3030 (QSLR31)    FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components:			710
Optile Semiconductoris    LED  OSCONIQ S 3030 (QSLR31)    FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components			30* 30*
Optile Semiconductoris    LED  OSCONIQ S 3030 (QSLR31)    FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components	OCDAM		42 0' 13'
FWHM / FWTM  Asymmetric    Efficiency  94 %    Peak intensity  0.7 cd/lm    LEDs/each optic  1    Light colour  White    Required components:	Opto Semiconductors		90* 99*
Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	LED	OSCONIQ S 3030 (QSLR31)	100
Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	Asymmetric	78°
LEDs/each optic 1 Light colour White Required components:	Efficiency		
Light colour White Required components:	Peak intensity		
Required components:			400
200 200 200 200 200 200 200 200 200 200			45* 510 45*
	Required compone	nts:	80
			700
PHILIPS			30° 20° 30°
		C	
			90* 90*
	LED		
	FWHM / FWTM		
64	Efficiency		er kirker in here in h
	Peak intensity		
	LEDs/each optic		
	Light colour		6, 6,
Required components:	Requirea componei	1 <b>Ι</b> S:	
80			
200			1000



### **OPTICAL RESULTS (MEASURED):**

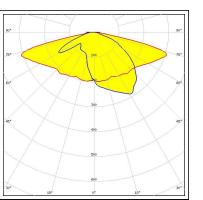
SEOUL		90* 90*
SEOUL SEMICONDUCTOR	SEOUL DC 3030C	90° 90°
FWHM / FWTM	Asymmetric	750 700
Efficiency	94 %	X
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	400
LEDS/each optic	u White	
Required compone		-6°
Required component	IIS.	
		30 <sup>°</sup> 15 <sup>3</sup> 0 <sup>6</sup> 15 <sup>*</sup> 30 <sup>°</sup>
SEOUL		90°
SEOUL SEMICONDUCTOR	Z5M3	90* 90*
EED FWHM / FWTM	Asymmetric	75* 100 -75*
Efficiency	94 %	
Peak intensity	0.6 cd/lm	eq. ex
LEDs/each optic	1	
Light colour	White	400
Required component		
	no.	00
		70
		30° 15 <sup>3</sup> 860 15° 30°
SEOUL		90* 90* 90*
SEOUL SEMICONDUCTOR	Z5M4	No. No.
FWHM / FWTM	Asymmetric	780 100 780
Efficiency	96 %	the test
Peak intensity	0.6 cd/lm	50° 60°
LEDs/each optic	1	
Light colour	White	45* 400
Required compone		500
		60
		100
		30° 115° 30°



#### **OPTICAL RESULTS (SIMULATED):**

## 

LEDXP-G2 HEFWHM / FWTMAsymmetricEfficiency91 %Peak intensity0.4 cd/lmLEDs/each optic1Light colourWhiteRequired components:1



#### LUMILEDS

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

LUXEON 3030 2D (Round LES) Asymmetric 94 % 0.8 cd/lm 1 White

#### UMILEDS

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

	LUXEON 3535 2D
	Asymmetric
	94 %
	0.7 cd/lm
	1
	White
ts:	

	:05	90* 90*
LED	LUXEON CZ	4
FWHM / FWTM	Asymmetric	28°
Efficiency	95 %	
Peak intensity	0.6 cd/lm	6 <sup>44</sup> 6 <sup>44</sup>
LEDs/each optic	1	
Light colour	White	
Required component	ts:	
		80
		30 <sup>4</sup> 13 <sup>5</sup> 0 <sup>4</sup> 13 <sup>5</sup> 30 <sup>5</sup>



<b>ΜΝΙCΗΙΛ</b>		
LED	NF2x757D	
FWHM / FWTM	Asymmetric	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
<b>MNICHIA</b>		50*
LED	NVSxx19B/NVSxx19C	4
FWHM / FWTM	Asymmetric	100
Efficiency	73 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required components:		300
		$\times$
Protective plate	, glass	400
		30*
ØΝΙCΗΙΛ		
		90* 90
LED	NVSxx19B/NVSxx19C	200
FWHM / FWTM	Asymmetric	The second secon
Efficiency		
	94 %	
Peak intensity	0.6 cd/lm	507 300 6
Peak intensity LEDs/each optic	0.6 cd/lm 1	505 300 6
Peak intensity LEDs/each optic Light colour	0.6 cd/lm	60 <sup>4</sup> 400 407 500 400 400 400 400 400 400 400 400 400
Peak intensity LEDs/each optic	0.6 cd/lm 1	60° - 200 - 200
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1	6 <sup>34</sup> 20 6 <sup>34</sup> 20 6 <sup>34</sup> 20 6 <sup>35</sup> 20 20
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1	6)* <u>30</u> 6 40 6)* <u>50</u> 60 70
Peak intensity LEDs/each optic Light colour	0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 %	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: <b>WICHIN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: <b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	0.6 cd/lm 1 White NVSxx19B/NVSxx19C Asymmetric 84 % 0.5 cd/lm 1 White	



#### **OPTICAL RESULTS (SIMULATED):**

#### **OSRAM** LED Duris S5 (2 chip) FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour White Required components: **OSRAM** OSCONIQ C 2424 LED FWHM / FWTM Asymmetric Efficiency 95 % Peak intensity 0.7 cd/lm LEDs/each optic 1 White Light colour Required components: OSRAM Opto Semiconductore LED OSCONIQ C 2424 FWHM / FWTM Asymmetric Efficiency 83 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Protective plate, glass **OSRAM** Opto Se LED **OSLON Square EC** FWHM / FWTM Asymmetric 93 % Efficiency Peak intensity 0.7 cd/lm LEDs/each optic 1 White Light colour Required components:



PHILIPS		
LED	Fortimo FastFlex LED 4x8up PR G5	
FWHM / FWTM	Asymmetric	750 100
Efficiency	85 %	
Peak intensity	0.6 cd/lm	50* 300 6
		$  \times \times / \top \nabla \times \times$
LEDs/each optic	1	400
Light colour Required components:	White	45° 50 4
Required components:		640
Protective plate	, glass	770
		30° 500 30° 30° 30°
SAMSUN	IG	90*
LED	LH151B	
FWHM / FWTM	Asymmetric	75°
Efficiency	83 %	
Peak intensity	0.7 cd/lm	60*
LEDs/each optic	1	$\times$
Light colour	White	45* 45
Required components:		600
Protective plate	, glass	000
		30° 1000 30° 30°
SAMSUN	IG	90* 900
LED	LH181A	a.
FWHM / FWTM	Asymmetric	2° Contractor 70
Efficiency	94 %	
Peak intensity	0.6 cd/lm	-60 <sup>4</sup> - 300 - 60
LEDs/each optic	1	400
Light colour	White	N5° 540 45
Required components:		600
		200
		30° 300 15° 30
SAMSUN	IG	
LED	LH181B	
FWHM / FWTM	Asymmetric	75%
Efficiency	83 %	
Peak intensity	0.6 cd/lm	àor 300 66
LEDs/each optic	1	$X \times / T \times X$
Light colour	White	40
	Willo	
Reduired componente.		h $h$ $h$ $h$ $h$ $h$ $h$ $h$ $h$ $h$
Required components:		600
Protective plate	, glass	- in
	, glass	60



SAMSUN	IG	
LED	LH181B	90° 90°
FWHM / FWTM	Asymmetric	73* 75*
Efficiency	94 %	
Peak intensity	0.7 cd/lm	60* 60*
LEDs/each optic	1	40
Light colour	White	45* 65*
Required components:	Wine	
		880
		33* 13 <sup>5</sup> 0° 15 <sup>5</sup>
SAMSUN	IG	90° 90°
LED	LH351B	9
FWHM / FWTM	Asymmetric	75°
Efficiency	82 %	
Peak intensity	0.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45' 45'
Required components:		400
Deste stive elete		
Protective plate	a, glass	500
		30° 15° 600 15° 30°
SEOUL		
SEOUL SEMICONDUCTOR		90* 90*
LED	SEOUL 3030	73*
FWHM / FWTM	Asymmetric	
Efficiency	98 %	50 <sup>1</sup> 60*
Peak intensity	0.6 cd/lm 1	40
LEDs/each optic		
Light colour	White	-67 69
Required components:		6° 00 0°
		57 (0) (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
		67 60 er
		60 00 00 00 00 00 00 00 00 00 00 00 00 0
Required components:		69
Required components:	White	80°    80°      50°    13°    30°
Required components:	White SEOUL 3030	00
Required components: seoul semiconductor LED FWHM / FWTM	White SEOUL 3030 Asymmetric	80°    80°      50°    13°    30°
Required components:	White SEOUL 3030 Asymmetric 98 %	50° 0° 13° 0°
Required components:	White SEOUL 3030 Asymmetric 98 % 0.7 cd/m	50° 0° 13° 0°
Required components: second semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White SEOUL 3030 Asymmetric 98 % 0.7 cd/m 1	50° 0° 13° 0°
Required components: SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White SEOUL 3030 Asymmetric 98 % 0.7 cd/m	80°    80°      50°    13°    30°
Required components: second semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White SEOUL 3030 Asymmetric 98 % 0.7 cd/m 1	80°    80°      50°    13°    30°
Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White SEOUL 3030 Asymmetric 98 % 0.7 cd/m 1	80°    80°      50°    13°    30°
Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White SEOUL 3030 Asymmetric 98 % 0.7 cd/m 1	50° 0° 13° 0°



SEOUL SEOUL SEMICONDUCTOR		50°
LED	Z8Y19	9
FWHM / FWTM	Asymmetric	75° 200 75°
Efficiency	93 %	
Peak intensity	0.8 cd/lm	.50°
LEDs/each optic	1	
Light colour	White	45* 600 45*
Required components:		$\times$
		80
		30* 1000 30*
		15 <sup>3</sup> 0 <sup>6</sup> 15 <sup>6</sup>
		90° 90°
SEOUL SEMICONDUCTOR	Z8Y22	<u>8</u> *
SEOUL SEMICONDUCTOR		80°
seoul semiconductor	Z8Y22 Asymmetric 93 %	
seoul semiconductor LED FWHM / FWTM	Asymmetric	
seoul semiconductor LED FWHM / FWTM Efficiency	Asymmetric 93 %	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 93 % 0.7 cd/lm	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 93 % 0.7 cd/lm 1	73 - 20 60 - 69
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	73 - 20 60 - 69
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	73
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 93 % 0.7 cd/lm 1	73