

# STRADELLA-IP-28-HB-S

~30° spot beam. Variant made from PMMA.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions 100.0 mm Height Fastening ROHS compliant

9.5 mm pin, screw yes 🛈

#### **MATERIAL SPECIFICATIONS:**

Component STRADELLA-IP-28-HB-S STRADELLA-28-SEAL

Туре Multi-lens Seal



LEDIL®

Material

PMMA

Silicone

Colour clear white

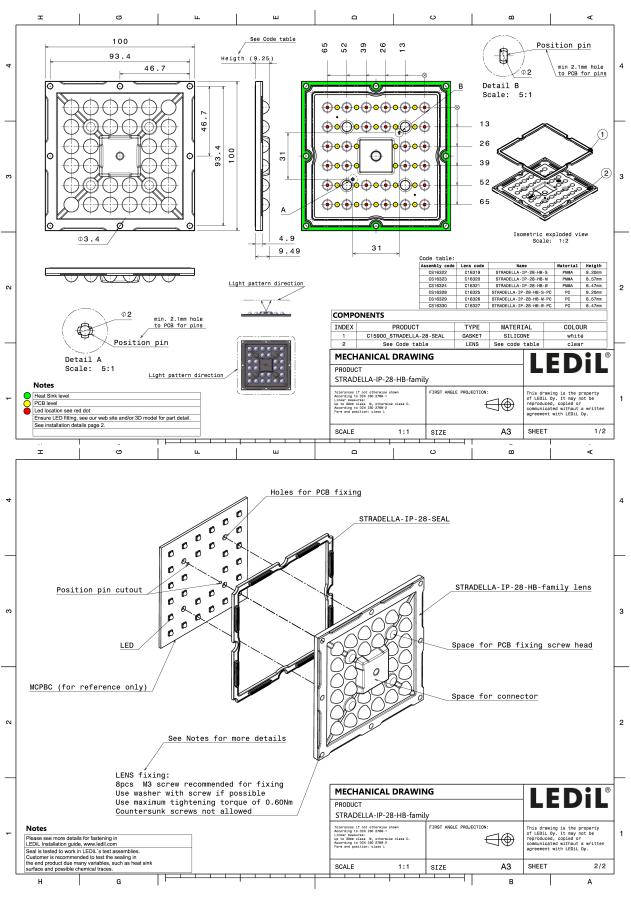
Finish

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16322_STRADELLA-IP-28-HB-S	Multi-lens	156	78	78	5.9

» Box size: 476 x 273 x 247 mm

PRODUCT DATASHEET S16322\_STRADELLA-IP-28-HB-S



Last update: 20/12/2018 Subject to change without prior notice Publ LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	5° 5° 60° 5° 120 100 100 100 100 100 100 100
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	59* 59* 59* 59* 50* 50* 50* 50* 50* 50* 50* 50
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	



LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	27 00 12 00 12 00 10 10 10 10 10 10 10 10 10 10 10 10
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	J Series 2835 24.0° 91 % 1.9 cd/lm 1 White	34° 37° 30° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	J Series 3030 22.0° 90 % 2.1 cd/lm 1 White	27
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XD16 26.0° 91 % 1.6 cd/lm 1 White	27 6 17 17 17 17 17 17 17 17 17 17 17 17 17



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3 33.0° 92 % 1.3 cd/lm 1 White	20, 22, 6, 12, 24, 24, 24, 24, 24, 24, 24, 24, 24, 2
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XT-E 32.0° 93 % 1.4 cd/lm 1 White	
<b>NICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NF2W585AR 31.0° 91 % 1.4 cd/lm 1 White	
<b>NICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NF2W585AR 31.0° 91 % 1.3 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20

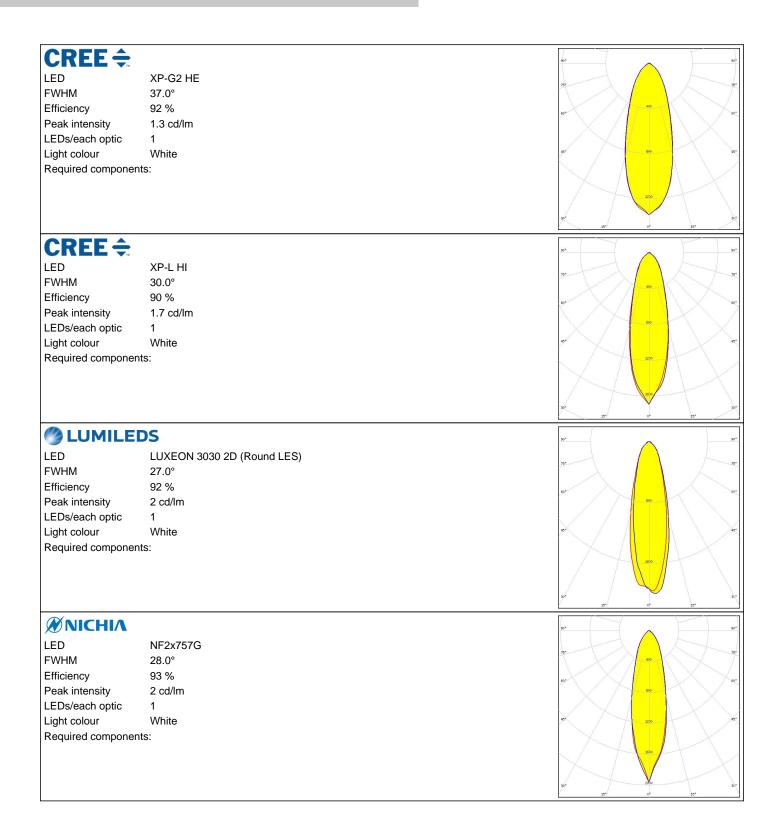


ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F 34.0° 94 % 1.4 cd/lm 1 White	30 <sup>4</sup> 12 <sup>4</sup> 0 <sup>4</sup> 12 <sup>4</sup> 12 <sup>4</sup>
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW319B 39.0° 94 % 1.2 cd/lm 1 White	90 <sup>4</sup> 90 <sup>4</sup> 92 <sup>4</sup> 92 <sup>4</sup> 92 <sup>4</sup> 90 <sup>4</sup> 9
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20° 0° 12° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM SC28 (LH181B) 23.0° 89 % 1.9 cd/lm 1 White	27
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM SM28 (LM301B) 25.0° 91 % 1.8 cd/lm 1 White	2° 3° 6° 6° 6° 100 100 100 100 100 100 100 10
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	







<b>Μ</b> ΝΙCΗΙΛ		90° 90°
LED	NVSxE21A	
FWHM	25.0°	75°
Efficiency	92 %	
	2.1 cd/im	60° 800
Peak intensity		
LEDs/each optic	1	
Light colour Required componen	White	
Required componen	IS:	1500
		30° 35° 0° 35° 30°
<b>Ø</b> NICHIΛ		90° 90°
LED	NVSxx19B/NVSxx19C	
		73.
FWHM	34.0°	400
Efficiency	93 % 4.5. ad/m	60° 60°
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componen	IS:	1230
		30° 1600 30°
OSRAM Opto Semiconductors		
Opto Semiconductors		90 <sup>4</sup> 90 <sup>9</sup>
1		
LED	OSCONIQ P 3030	75*
FWHM	22.0°	77
FWHM Efficiency	22.0° 94 %	60. 20. 21.
FWHM Efficiency Peak intensity	22.0°	60 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic	22.0° 94 % 2.8 cd/lm 1	91
FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White	a. 200 200 200 200 200 200 200
FWHM Efficiency Peak intensity LEDs/each optic	22.0° 94 % 2.8 cd/lm 1 White	91
FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White	a. 109 109
FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White	91
FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White	a. 109 109
FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	22.0° 94 % 2.8 cd/lm 1 White tts:	a. 109 109
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	22.0° 94 % 2.8 cd/lm 1 White Its: OSCONIQ P 3737 (2W version)	20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM	22.0° 94 % 2.8 cd/lm 1 White its: OSCONIQ P 3737 (2W version) 27.0°	20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 %	20 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm	200 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm 1	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OptoSemiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm 1 White	200 20 20 20 20 20 20 20 20 20
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OptoSemiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OptoSemiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm 1 White	
FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen OptoSemiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	22.0° 94 % 2.8 cd/lm 1 White tts: OSCONIQ P 3737 (2W version) 27.0° 93 % 2.2 cd/lm 1 White	



OSRAM		
Corbo Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	OSLON Square CSSRM2/CSSRM3 30.0° 91 % 1.6 cd/lm 1 White hts:	
OSRAM Opto Semiconductors		30*
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	OSLON SSL 80 23.0° 93 % 3.1 cd/lm 1 White hts:	
SAMSU	NG	20° 25° 0° 12°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LH351B 33.0° 94 % 1.8 cd/lm 1 White	
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	LH351C 37.0° 94 % 1.6 cd/lm 1 White	



SAMSU	NG	90* 90*
LED	LM301B	
FWHM	29.0°	75. 75.
Efficiency	93 %	
	95 % 1.9 cd/lm	60*
Peak intensity		
LEDs/each optic	1 M. S.	
Light colour	White	
Required componer	ItS:	
		1500
		30° 200 30° 30°
SEQUE		
SEOUL SEMICONDUCTOR		90° 90°
LED	SEOUL 3030	75
FWHM	28.0°	- 40
Efficiency	93 %	59° × 60°
Peak intensity	1.9 cd/lm	80
LEDs/each optic	1	
Light colour	White	ey* iz*
Required componer	its:	
		300
		30. 30.
		15° 2000 15°
		50° 50°
SEOUL SEMICONDUCTOR	SEQUE DC 3030C	90 <sup>4</sup>
seoul semiconductor	SEOUL DC 3030C 28.0°	73
seoul semiconductor LED FWHM	28.0°	
seoul semiconductor LED FWHM Efficiency	28.0° 93 %	8°
seoul semiconductor LED FWHM Efficiency Peak intensity	28.0° 93 % 1.9 cd/lm	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	28.0° 93 % 1.9 cd/lm 1	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	28.0° 93 % 1.9 cd/lm 1 White	75' 600 60' 60' 57' 120 60'
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White	75' 600 60' 60' 57' 120 60'
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White	75' 600 60' 60' 57' 120 60'
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	28.0° 93 % 1.9 cd/lm 1 White	25 60 727 60 60 60 60 150 150 150 150 150 150 150 150 150 15
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	28.0° 93 % 1.9 cd/lm 1 White hts:	200 200 200 200 200 200 200 200
SEOUS SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer SEOUS SEMICONDUCTOR	28.0° 93 % 1.9 cd/lm 1 White hts: SEOUL DC 5050 6V	200 200 200 200 200 200 200 200
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer SEOUL SEMICONDUCTOR LED FWHM	28.0° 93 % 1.9 cd/lm 1 White hts: SEOUL DC 5050 6V 46.0°	200 200 200 200 200 200 200 200
seour semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer seour semiconductor LED FWHM Efficiency	28.0° 93 % 1.9 cd/lm 1 White hts: SEOUL DC 5050 6V 46.0° 89 %	200 200 200 200 200 200 200 200
seous semiconbuctore LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer seous semiconbuctore LED FWHM Efficiency Peak intensity	28.0° 93 % 1.9 cd/lm 1 White hts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm	100 100 100 100 100 100 100 100
stout stanconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout stanconductor LED FWHM Efficiency Peak intensity LEDs/each optic	28.0° 93 % 1.9 cd/lm 1 White hts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm 1	100 100 100 100 100 100 100 100
stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White tts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm 1 White	200 200 200 200 200 200 200 200
stout semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic	28.0° 93 % 1.9 cd/lm 1 White tts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm 1 White	200 200 200 200 200 200 200 200
stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White tts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm 1 White	200 200 200 200 200 200 200 200
stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White tts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm 1 White	25° 0° 12° 6° 1200 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 150 15
stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer stout SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	28.0° 93 % 1.9 cd/lm 1 White tts: SEOUL DC 5050 6V 46.0° 89 % 1 cd/lm 1 White	22, 0, 12, 0, 12, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2



seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Z5M1/Z5M2 30.0° 94 % 1.8 cd/lm 1 White tts:	94* 90* 75* 64* 60* 60* 60* 60* 60* 60* 60* 60* 60* 60
seous semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Z8Y19 24.0° 89 % 1.7 cd/lm 1 White its:	
seout sentconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componen	Z8Y22 29.0° 92 % 1.5 cd/lm 1 White tts:	50° 77 60° 60° 60° 1200 1200 50° 60° 60° 60° 60° 60° 60° 60° 6
seoul SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer	Z8Y22T 32.0° 92 % 1.6 cd/lm 1 White ts:	20. 20. 20. 20. 20. 20. 20. 20.



#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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