

PRODUCT DATASHEET CS16691_STRADELLA-IP-28-SCL-PC

STRADELLA-IP-28-SCL-PC

Type II/III (long) beam for very wide pole to pole distances. Ideal for pedestrian paths and residential roads. EN13201 P-classes. Variant made from PC.

TECHNICAL SPECIFICATIONS:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

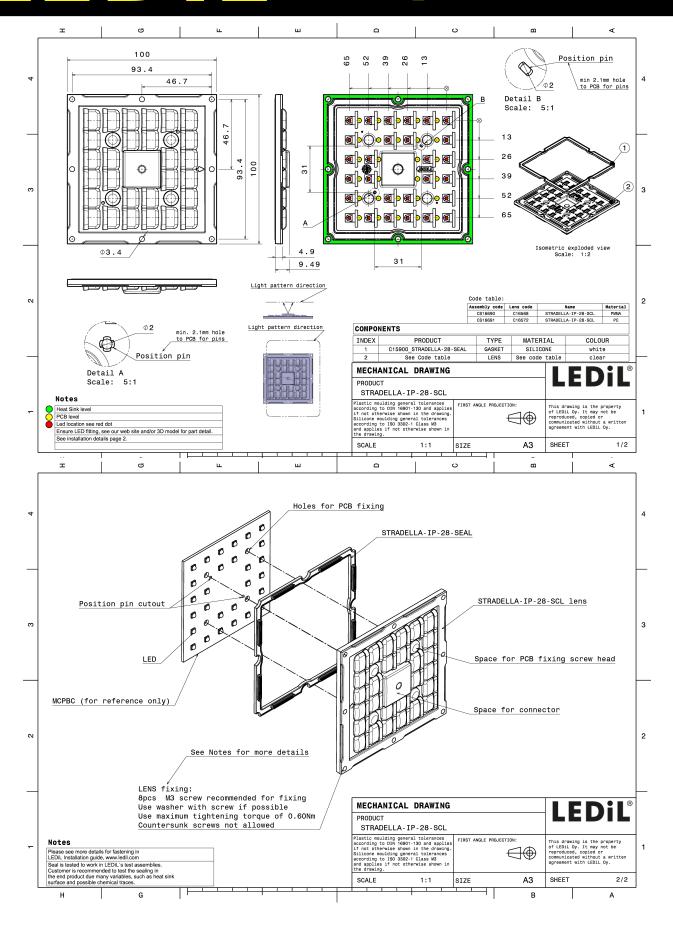
Component	Туре	Material	Colour	Finish
STRADELLA-IP-28-SCL-PC	Multi-lens	PC	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16691_STRADELLA-IP-28-SCL-PC	Multi-lens	156	78	78	6.6
» Box size: 480 x 280 x 300 mm					

R





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



PRODUCT DATASHEET CS16691_STRADELLA-IP-28-SCL-PC

EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JE2835 4x7 xxx Asymmetric 87 % 0.6 cd/lm 1 White nts:	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiQLED STR28 CR JК3030 4x7 xxx Asymmetric 87 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XD2x14 xxx G8 Asymmetric 86 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX STR28 XP2x14 xxx G7 Asymmetric 87 % 0.5 cd/lm 1 White nts:	



	QUICK FLUX STR28 XT2x14 xxx G5	9 ¹
FWHM / FWTM	Asymmetric	751 200 750
Efficiency	88 %	
Peak intensity	0.6 cd/lm	60*
LEDs/each optic	1	X / 30
Light colour	u White	X 400 X
Required compone		6° 6°
	10.	50
		600
		30* 15 ⁵ 0° 15* 30*
CREE -		
		90* 90*
LED	J Series 2835	
FWHM / FWTM	Asymmetric	
Efficiency	87 %	60° 60°
Peak intensity	0.6 cd/lm	400
LEDs/each optic	1	\times / / T \ \ \times
Light colour	White	45* 45*
Required compone	nts:	600
		800
		30° 33°
CREE -		
		90* 90*
LED	J Series 3030	3
FWHM / FWTM	Asymmetric	
Efficiency	87 %	
Peak intensity	0.7 cd/lm	40
LEDs/each optic	1	\land
Light colour	White	45* 45*
Required compone	nts:	
		30° 15° 30°
CREE -		90* 90*
LED	J Series 3030	200
FWHM / FWTM	Asymmetric	
Efficiency	90 %	604
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
light colour		
Light colour	White	45° 500 45°
Required compone		6° 50 6°
		67 <u>590</u> 67
		57 50 57 90 70
		67 500 67 60 70 90 90 90 90 90 90 90 90 90 90 90 90 90



CREE -		
		90° 90°
	XD16	75 200 75.
FWHM / FWTM	Asymmetric	X
Efficiency	86 %	604 604
Peak intensity	0.7 cd/lm	20
LEDs/each optic	1	
Light colour	White	a, a,
Required compone	nts:	200
		800
		30° 35° 0° 35°
ODEE 4	N	
CREE -		90° 90°
LED	XP-G3	
FWHM / FWTM	Asymmetric	75
Efficiency	87 %	200 60*
Peak intensity	0.5 cd/lm	30
LEDs/each optic	1	$\times \times / \wedge \times \times$
Light colour	White	400 400 40°
Required compone	nts:	200
		30° 700 30°
		15 ⁵ 0 ⁶ 15 ⁶
CREE -		50°
	XT-E	8.
		şı. 91
LED	XT-E	\$*
LED FWHM / FWTM	XT-E Asymmetric	
LED FWHM / FWTM Efficiency	XT-E Asymmetric 88 %	9.°
LED FWHM / FWTM Efficiency Peak intensity	XT-E Asymmetric 88 % 0.6 cd/lm	6° ,0° ,0° ,0° ,0° ,0° ,0° ,0° ,0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E Asymmetric 88 % 0.6 cd/lm 1 White	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E Asymmetric 88 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E Asymmetric 88 % 0.6 cd/lm 1 White	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E Asymmetric 88 % 0.6 cd/lm 1 White	0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E Asymmetric 88 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E Asymmetric 88 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts:	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E Asymmetric 88 % 0.6 cd/lm 1 White Ints:	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts:	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 89 %	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 89 % 0.6 cd/lm	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 89 % 0.6 cd/lm 1 White	30 5° 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 89 % 0.6 cd/lm 1 White	30 5° 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 89 % 0.6 cd/lm 1 White	5° 60 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XT-E Asymmetric 88 % 0.6 cd/lm 1 White nts: Duris S5 (2 chip) Asymmetric 89 % 0.6 cd/lm 1 White	30 5° 60 60 60 60 60 60 60 60 60 60



OSRAM Opto Semiconductors		
LED	OSCONIQ S 3030	
FWHM / FWTM	Asymmetric	75* 000 -75*
Efficiency	89 %	
Peak intensity	0.6 cd/lm	.60° 66°.
LEDs/each optic	1	
Light colour	White	400 400
Required componer		
		600
		700
		30° 30° 13° 0° 15°
OSRAM Opto Semiconductors		
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	75 00 75.
Efficiency	88 %	
Peak intensity	0.7 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	400 400
Required componer		200
		60
		710
		30* 30*
		37 13 ⁵ 890 15°
SAMSI	ING	
SAMSU		20 00 10 00 00 00 00 00 00 00 00 00 00 00
LED	HiLOM SC28 (LH181B)	25- 26- 20- 20- 20- 20- 20- 20- 20- 20- 20- 20
LED FWHM / FWTM	HiLOM SC28 (LH181B) Asymmetric	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency	HiLOM SC28 (LH181B) Asymmetric 86 %	20
LED FWHM / FWTM Efficiency Peak intensity	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM SC28 (LH181B) Asymmetric 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HiLOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White Its:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSU LED FWHM / FWTM Efficiency	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White hts: NGC HILOM SM28 (LM301B) Asymmetric 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSU LED FWHM / FWTM Efficiency Peak intensity	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/lm 1 White hts: HILOM SM28 (LM301B) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White hts: NOG HILOM SM28 (LM301B) Asymmetric 87 % 0.7 cd/m 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White hts: NOG HILOM SM28 (LM301B) Asymmetric 87 % 0.7 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White hts: NOG HILOM SM28 (LM301B) Asymmetric 87 % 0.7 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White hts: NOG HILOM SM28 (LM301B) Asymmetric 87 % 0.7 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SAMSL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	HILOM SC28 (LH181B) Asymmetric 86 % 0.7 cd/m 1 White hts: NOG HILOM SM28 (LM301B) Asymmetric 87 % 0.7 cd/m 1 White	



PHOTOMETRIC DATA (SIMULATED):

ΜΝΙCΗΙΛ		
LED	NF2x757G	
FWHM / FWTM	Asymmetric	750 - 20 - 77
Efficiency	89 %	
Peak intensity	0.7 cd/lm	.50 ⁴ 400 6
LEDs/each optic	1	
Light colour	' White	X
Required components:	White	45° (1
Required components.		00
		1000
		30* 15 ² 0° 13* 30*
OSRAM Opto Semiconductors		
LED	OSCONIQ C 2424	
FWHM / FWTM	Asymmetric	75°
Efficiency	84 %	
Peak intensity	0.7 cd/lm	ent de
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		\times
		800
		\times
		30* 15 ⁵ 10 ⁵⁰ 15* 30*
OSRAM		
Opto Semiconductors		90* 90*
Opto Semiconductors		90° 90
Opto Semiconductors	OSCONIQ P 3030 Asymmetric	
opto Semiconductors LED FWHM / FWTM	OSCONIQ P 3030 Asymmetric 88 %	
opto Semiconductors LED FWHM / FWTM Efficiency	Asymmetric 88 %	90° 90 30° 0° 0° 0° 0° 0° 60° 0° 0° 0° 0° 0°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Asymmetric	90° 90 30° 00 00 60° 00
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.7 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.7 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 88 % 0.7 cd/lm 1 White	0 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 88 % 0.7 cd/lm 1 White	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 88 % 0.7 cd/lm 1 White	60
orbo Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Asymmetric 88 % 0.7 cd/lm 1 White I LH231B	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM	Asymmetric 88 % 0.7 cd/lm 1 White G LH231B Asymmetric	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency	Asymmetric 88 % 0.7 cd/lm 1 White I LH231B Asymmetric 84 %	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 88 % 0.7 cd/lm 1 White LH231B Asymmetric 84 % 0.5 cd/lm	60
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.7 cd/lm 1 White LH231B Asymmetric 84 % 0.5 cd/lm 1	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.7 cd/lm 1 White LH231B Asymmetric 84 % 0.5 cd/lm	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.7 cd/lm 1 White LH231B Asymmetric 84 % 0.5 cd/lm 1	
orto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.7 cd/lm 1 White LH231B Asymmetric 84 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.7 cd/lm 1 White LH231B Asymmetric 84 % 0.5 cd/lm 1	



PRODUCT DATASHEET CS16691_STRADELLA-IP-28-SCL-PC

PHOTOMETRIC DATA (SIMULATED):

seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3030C Asymmetric 85 % 0.6 cd/lm 1 White	99 75 64 90 90 90 90 90 90 90 90 90 90
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22 Asymmetric 81 % 0.5 cd/lm 1 White	99 ⁴ 79
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22P Asymmetric 79 % 0.4 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:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy