

Production Site

T01 Hsinchu Site / Headquarters

No. 3, Gongye E. 3rd Road, Hsinchu Science Park,
Hsinchu 30075, Taiwan

T05 Chunan Site

No. 1, Keyi Street, Kuan Yuan Science Park,
Chunan Township, Miaoli County 35059, Taiwan

Tel : +886-3-565-8800

S01 Suzhou Site

No.259, Changyang Street, Suzhou Industrial Park,
Suzhou, JiangSu Province 215024, China

Tel : +86-512-8555-8800

X01 Xiamen Site

2F, P11, Building, No.3089, XiangAn North Road,
XiangAn Branch, Torch Hi-tech Industrial
Development Zone, Xiamen City,
Fujian Province 361101, China

Tel : +86-592-375-8800

C01 Chuzhou Site

No.2168, Qingliu East Road,
Suzhou-Chuzhou Modern Industrial Park, Chuzhou City
Anhui Province 239001, China

Tel : +86-550-259-8800

Sales Office

S01 Suzhou Site

No.259, Changyang Street, Suzhou Industrial Park,
Suzhou, JiangSu Province 215024, China

Tel : +86-512-8555-8800

Shenzhen Office

Room 1136, Dongming Mansion, Mingkang Road,
Minzhi Street, New Longhua District, Shenzhen City, 518000, China

Tel : +86-755-2219-3878

2018-2019 Automotive LED

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About Lextar

Lextar Electronics Corporation is a global leader in LED solutions with a strategic advantage of integrating upper stream epitaxial, middle stream chip and package, and downstream automotive LED module and finished lighting products. Founded in 2008, Lextar is a subsidiary of AU Optronics, the leading TFT-LCD and solar PV manufacturer. With over 2,000 patents worldwide, Lextar is an innovator of product applications, which include: Automotive LED, LCD backlights, lighting, sensor and smart lighting solutions. Lextar currently has 2 manufacturing plants in Taiwan, and 3 in China including Suzhou, Xiamen and Chuzhou. Lextar revenue reached US\$403 million in 2017.

Manufacturing Sites

Taiwan

Hsinchu Site (Headquarters) / Chunan Site

China

Chuzhou, Anhui
Suzhou Industrial Park
Xiamen Torch Hi-tech Industrial Development Zone

Workforce

4,500 (as of Jul. 2018)

Product

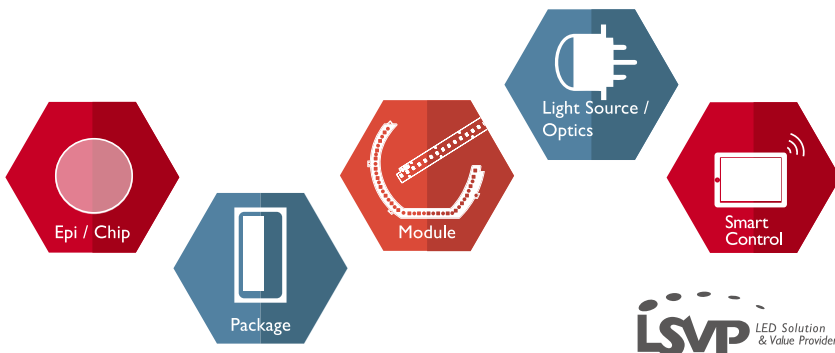
Epi / Chip / Package / Automotive Component and Module / Lighting Product / Light Module

Revenue

\$403 million USD

Capital

\$187 million USD



Headlamp (High/Low Beam)



Core

- Ceramic package
- Non-notched emitting area



	PC20N04	PF06N01	PF09N05
Dimensions	2.1 × 1.7 × 0.75 mm	3.2 × 3.8 × 0.75 mm	2.0 × 5.2 × 0.75 mm
Rated Current	1000 mA	1000 mA	1000 mA
Flux	330 lm	660 lm	1000 lm
Thermal Resistance	4 °C/W	2.5 °C/W	1.6 °C/W
Max Current	1200 mA	1200 mA	1200 mA
Max Junction Temperature	150 °C	150 °C	150 °C

Core L

- Ceramic package
- Non-notched emitting area
- Separate thermal and electric pad design

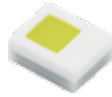


	PF06N03	PF09N01	PF12N04
Dimensions	2.0 × 5.2 × 0.75 mm	2.0 × 5.2 × 0.75 mm	2.0 × 7.0 × 0.75 mm
Rated Current	1200 mA	1200 mA	1200 mA
Flux	840 lm	1260 lm	1680 lm
Thermal Resistance	2.3 °C/W	1.4 °C/W	1.05 °C/W
Max Current	1500 mA	1500 mA	1500 mA
Max Junction Temperature	150 °C	150 °C	150 °C

Daytime Running Lamp (DRL)

Core

- Ceramic package
- Compact design for light guide



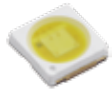
PC20N04

Dimensions	2.1 x 1.7 x 0.75 mm
Rated Current	1000 mA
Flux	330 lm
Thermal Resistance	4 °C/W
Max Current	1200 mA
Max Junction Temperature	150 °C



3030E

- Economic design for various applications
- Low thermal resistance



PC33N26

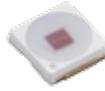
Dimensions	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA
Flux	120 lm
Thermal Resistance	15 °C/W
Max Current	500 mA
Max Junction Temperature	150 °C

RCL & CHMSL



3030E

- Economic design for various applications
- Low thermal resistance



PC33R46

Dimensions	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA
Flux	58 lm
Thermal Resistance	15 °C/W
Max Current	500 mA
Max Junction Temperature	150 °C

3528 PLCC6

- Standard PLCC6 footprint compatible



PC35R23

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	140 mA
Flux	22 lm
Thermal Resistance	40 °C/W
Max Current	200 mA
Max Junction Temperature	125 °C

3528 PLCC4

- Standard PLCC4 footprint compatible



PC35R14

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	50 mA
Flux	9.5 lm
Thermal Resistance	45 °C/W
Max Current	70 mA
Max Junction Temperature	125 °C

Indicator (Turn Signal)

Core

- Ceramic package
- Compact design for light guide



PC20A03

Dimensions	2.1 x 1.7 x 0.75 mm
Rated Current	1000 mA
Flux	190 lm
Thermal Resistance	4 °C/W
Max Current	1200 mA
Max Junction Temperature	150 °C



3030E

- Economic design for various applications
- Low thermal resistance



PC33A18

Dimensions	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA
Flux	90 lm
Thermal Resistance	15 °C/W
Max Current	450 mA
Max Junction Temperature	125 °C

3528 PLCC4

- Standard PLCC4 footprint compatible



PC35A22

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	50 mA
Flux	15 lm
Thermal Resistance	60 °C/W
Max Current	70 mA
Max Junction Temperature	125 °C

3030E

- Economic design for various applications
- Low thermal resistance



PT30Z54

Dimensions	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA
Flux	120 lm
Thermal Resistance	15 °C/W
Max Current	400 mA
Max Junction Temperature	125 °C



3528 PLCC4

- Standard PLCC4 footprint compatible



PC35H19

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	50 mA
Flux	22 lm
Thermal Resistance	45 °C/W
Max Current	70 mA
Max Junction Temperature	125 °C

3528 PLCC6

- Multicolor design with RGB chip in one



PC35X26

Dimensions	3.5 x 2.8 x 1.4mm
Rated Current	20 mA
Flux	R-800mcd/G-1500mcd/B-300mcd
Thermal Resistance	130 °C/W
Max Current	40 mA
Max Junction Temperature	125 °C



3528 PLCC2

-Standard PLCC2 footprint compatible



PC35A31



PC35B32

Dimensions	3.5 × 2.8 × 1.9 mm	3.5 × 2.8 × 1.9 mm
Rated Current	20 mA	20 mA
Flux	950 mcd	400 mcd
Thermal Resistance	130 °C/W	130 °C/W
Max Current	30 mA	30 mA
Max Junction Temperature	125 °C	125 °C



PC35G30



PC35R29



PC35N33

Dimensions	3.5 × 2.8 × 1.9 mm	3.5 × 2.8 × 1.9 mm	3.5 × 2.8 × 1.9 mm
Rated Current	20 mA	20 mA	20 mA
Flux	2400 mcd	800 mcd	1600 mcd
Thermal Resistance	130 °C/W	130 °C/W	130 °C/W
Max Current	30 mA	30 mA	30 mA
Max Junction Temperature	125 °C	125 °C	125 °C

Automotive Display Backlight



3014

- High Efficiency
- Low thermal resistance



PT30WA0

PT30AAI

Dimensions	3.0 x 1.4 x 0.6 mm	3.0 x 1.4 x 0.6 mm
Rated Current	80 mA	80 mA
Flux	32.5 lm	29.7 lm
Thermal Resistance	20 °C/W	20 °C/W
Max Current	150 mA	150 mA
Max Junction Temperature	120 °C	120 °C

4014

- High Efficiency
- Low thermal resistance



PT40W60

PT40A65

Dimensions	4.0 x 1.4 x 0.6 mm	4.0 x 1.4 x 0.6 mm
Rated Current	80 mA	80 mA
Flux	33.5 lm	31 lm
Thermal Resistance	20 °C/W	20 °C/W
Max Current	150 mA	150 mA
Max Junction Temperature	120 °C	120 °C

Detecting Module



VCSEL 3535

- Vertical-cavity surface-emitting laser technology
- Narrow spectral width (< 1nm typ.)
- 3D depth assistance

PV88M94 V1



PV88M94 V2



	PV88M94 V1	PV88M94 V2
Dimensions	3.5 x 3.5 x 1.77mm	3.5 x 3.5 x 1.77 mm
Rated Current	1200 mA	3000 mA
Radiant Power	800 mW	1900 mW
View Angle	60x45/72x55/90x60/100x80	60x45/72x55/90x60/100x80
Wavelength	940 nm	940 nm
Forward Voltage	2.2	2.1

3535 Emitter

- High efficiency
- Double stack
- Low thermal resistance

PR88F04











PR88F14



	PR88F04	PR88F14
Dimensions	3.5 x 3.5 x 2.5 mm	3.5 x 3.5 x 2.5 mm
Wavelength	850 nm	940 nm
Rated Current	1000 mA	1000 mA
Radiant Power	1340 mW	1040 mW
Thermal Resistance	10 °C/W	10 °C/W
Max Current	1500 mA	1500 mA
Max Junction Temperature	140 °C	140 °C

LED Product Overview

Product	Headlamp	DRL	RCL/CHMSL	Indicator	Illumination	Display Backlight	Detecting
 Core L Series	<ul style="list-style-type: none"> ○ PF06N03 ○ PF09N01 ○ PF12N04 						
	 Core Series	<ul style="list-style-type: none"> ○ PF06N01 ○ PF09N05 	○ PC20N04		○ PC20A03		
 3030E		○ PC33N26	○ PC33R01	○ PC33A18			
	 3528 PLCC6				● PC33N26		
 3528 PLCC4						○ PC35H19	
	 3528 PLCC2						<ul style="list-style-type: none"> ○ PC35N33 ○ PC35R29 ○ PC35B32 ○ PC35A31 ○ PC35G30
 3014/4014							<ul style="list-style-type: none"> ○ PT30WA0 ○ PT30AA1 ○ PT30W60 ○ PT30A65
	 VCZEL 3535/3535						<ul style="list-style-type: none"> ● PR88F04 ● PR88F14 ● PV88M94V1 ● PV88M94V2