

Lextar

Smart Lighting Amazing Life



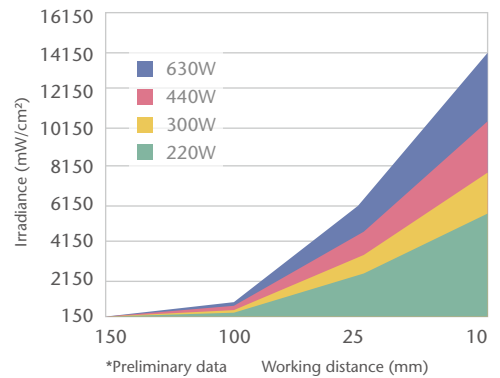
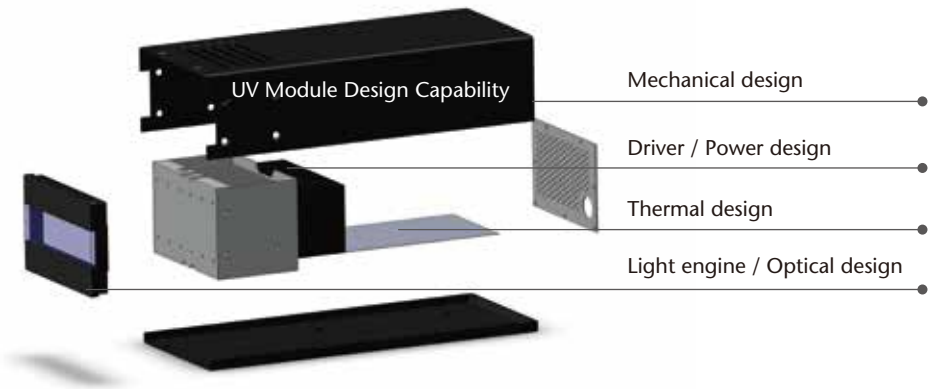
Invisible Light LED Product



UV LED Module

All kinds of UV application modules can be customized

- Wide range for various UV application
- Compatible with multi-wavelength
- Environmentally safe, mercury free
- Layout can be customized
- Excellent lifetime & low power consumption



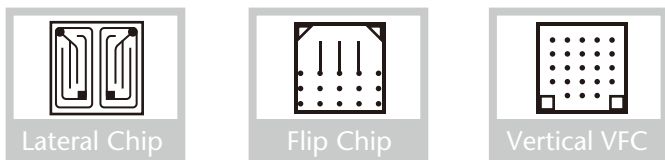
UV Package

Emitter Type

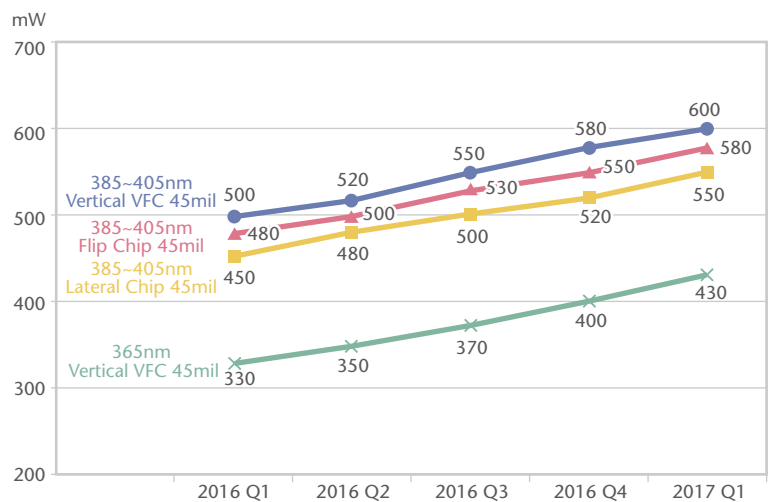
- Multi-wavelength
- Excellent performance & long lifetime
- Low power consumption
- Ceramics leadframe
- Typical operation current : 20 - 500 mA
- Environmentally safe, mercury free

PU88 Series	Wp (nm)	Chip Size (mm)	IF (mA)	Po Typ. (mW)	Vf (V)	View Angle (°)
	365/385/395/405	3.5 x 3.5 x (2.1~4.0)	500	600~950	3.4	30/60/120
PU55 Series	Wp (nm)	Chip Size (mm)	IF (mA)	Po Typ. (mW)	Vf (V)	View Angle (°)
	365/385/395/405	5.0 x 5.0 x 2.8	500	2000~2500	7	120
PU32 Series	Wp (nm)	Chip Size (mm)	IF (mA)	Po Typ. (mW)	Vf (V)	View Angle (°)
	365/385/395/405	3.0 x 2.0 x 0.7	20	10~25	3.5	120
PU71 Series	Wp (nm)	Chip Size (mm)	IF (mA)	Po Typ. (mW)	Vf (V)	View Angle (°)
	365/385/395/405	1.6 x 1.0 x 0.81	20	10~25	3.5	120

UV Chip



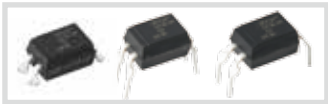
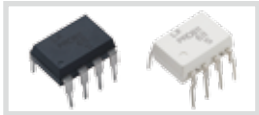
Chip Type	Wp (nm)	Size (mil ²)	IF (mA)	Po Typ. (mW)		VF (V)
				2016	2017	
Lateral Chip	<370	9 x 18	20	12	14	3.5
Vertical VFC		45 x 45	350	330	430	3.5
Lateral Chip	385~405	45 x 45	350	500	600	3.5
		9 x 18	20	25	35	3.5
		22 x 35	120	150	180	3.5
		45 x 45	350	450	550	3.5
Flip Chip		45 x 45	350	480	580	3.5



Infrared Emitter

	Model Name	Description	Features
Hight and Middle Power Infrared		PR88F0x Series	1~3W High power IR LED 850nm
		PR88F1x Series	1~3W High power IR LED 940nm
		PR88F2x Series	1W High power IR LED 850nm
		PR88F3x Series	1W High power IR LED 940nm
		PR88F4x Series	0.5W High power IR LED 850nm
		PR88F5x Series	0.5W High power IR LED 940nm
		PR71 Series	0.7W High power IR LED 850nm
		PR80E0x Series	0.2W High power IR LED 850nm
		PR80E1x Series	0.2W High power IR LED 940nm
Low Power Infrared Emitter & Receiver		PR36B0x Series	0.03W IR LED Emitter
		PR36D0x Series	940nm
		PR73B0x Series	Side view IR LED & Photodiode
		PR73D0x Series	940nm

Optocoupler

	Model Name	Description	Features
General Purpose		PRD4 Series	- Viso 5000Vrms(min.) - BVceo 80V(min.) - Iron / Copper lead material 3 lead forming types available - Halogen free - MSL 1
		PRS4 Series	- Viso 3750Vrms(min.) - BVceo 80V(min.) - Standard pitch 2.54mm miniature package - Halogen free - MSL 1
		PRH4 Series	- Viso 3750Vrms(min.) - BVceo 80V(min.) - Small pitch 1.27mm miniature package - Halogen free - MSL 1
		PRL4 Series	- Viso 5000Vrms(min.) - BVceo 80V(min.) - Standard pitch 2.54mm miniature package - Halogen free - MSL 1
High Performance		- DIP package 10~25MBd high speed 2016 MP	3.3/5.0V Dual supply voltage - CMTI 10kV/us(min.) - LSTTL/TTL compatible - Halogen free - MSL 1
		- DIP package 0.6~2.5A gate driver 2016 MP	- Rail-to-Rail output voltage 10/15~30V wide operation voltage - CMTI 25kV/us(min.) 250ns maximum propogation delay - UVLO with hysteresis - Halogen free - MSL 1

About Lextar

Lextar Electronics Corporation is a global leader in LED solutions with a strategic advantage of integrating epitaxial, chip, package and various LED applications. Founded in May 2008, Lextar is a subsidiary of AU Optronics, the leading TFT-LCD and solar PV manufacturer. It currently has 2 manufacturing plants in Taiwan and 2 in China. Lextar's revenue in 2015 reached US\$ 474 million.

Headquarters

Hsinchu Science Park,
Taiwan

Capital

\$180 million USD

Number of Employees

over 3,600 (as of Dec. 2015)

Products

LED Chip

LED Package for Backlight, Lighting, UV, IR and Automotive

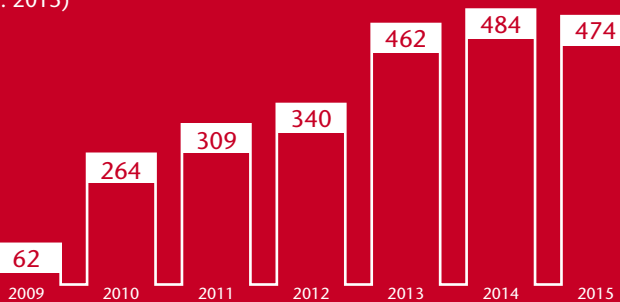
LED Light Module

LED Lighting Product and Solution

Patents : nearly 2000

Annual Revenue

Million in USD



As an LSVP, Lextar has integrated solutions adding value to every customer's products. From epitaxial and chip, to package, SMT and variety applications, Lextar offers total solutions of optics, mechanics, power and thermal system.

Our LSVP means time-to-market and value added service to our clients.

LSVP makes us your valuable partner.



Lextar.com

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