

Lextar

Ennosstar Group

Automotive LED

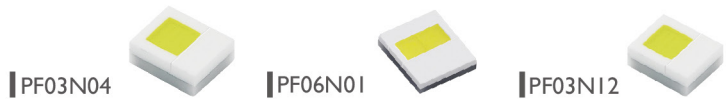
Smart Innovation, Amazing Life

Headlamp (High/Low Beam)



Core

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



	PF03N04	PF06N01	PF03N12
Dimensions	2.1 x 1.7 x 0.75 mm	3.2 x 3.8 x 0.75 mm	2.1 x 1.7 x 0.8 mm
Rated Current	1000 mA	1000 mA	1000 mA
Flux	330 lm	660 lm	370 lm
Thermal Resistance	4 °C/W	2.5 °C/W	4 °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



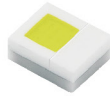
	PF06N03	PF09N01	PF12N04
Dimensions	2.0 x 5.2 x 0.75 mm	2.0 x 5.2 x 0.75 mm	2.0 x 7.0 x 0.75 mm
Rated Current	1200 mA	1200 mA	1200 mA
Flux	840 lm	1260 lm	1680 lm
Thermal Resistance	2.3 °C/W	1.4 °C/W	1.05 °C/W
Max Current	1500 mA	1500 mA	1500 mA
Max Junction Temperature	150 °C	150 °C	150 °C

Daytime Running Lamp (DRL)



Core

- Ceramic package
- Compact design for light guide
- Separate thermal and electric pad

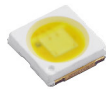


PF03N04

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 with standard color and power
- Low thermal resistance



PC33N26



PC33N47

Dimensions	3.2 x 3.0 x 0.6 mm	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA	150 mA
Flux	120 lm	50 lm
Thermal Resistance	15 °C/W	15 °C/W
Max Current	500 mA	200 mA
Max Junction Temperature	150 °C	150 °C

PLCC6

- PLCC6 footprint compatible



PC35N28

Dimensions	3.4 x 3.3 x 1.9 mm
Rated Current	140 mA
Flux	51 lm
Thermal Resistance	50 °C/W
Max Current	250 mA
Max Junction Temperature	150 °C

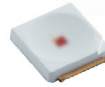


3030E

- Economic design with standard color and power
- Low thermal resistance



PC33R46



PC33R49

Dimensions	3.2 x 3.0 x 0.6 mm	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA	140 mA
Flux	68 lm	29 lm
Thermal Resistance	10 °C/W	20 °C/W
Max Current	500 mA	200 mA
Max Junction Temperature	150 °C	150 °C

PLCC6

- Standard PLCC6 footprint compatible



PC35R23

Dimensions	3.4 x 3.3 x 1.9 mm
Rated Current	140 mA
Flux	22 lm
Thermal Resistance	50 °C/W
Max Current	200 mA
Max Junction Temperature	125 °C

3528 PLCC4

- PLCC4 footprint compatible



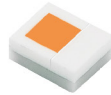
PC35R14

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	50 mA
Flux	9.5 lm
Thermal Resistance	100 °C/W
Max Current	70 mA
Max Junction Temperature	125 °C

Indicator (Turn Signal)

Core

- Ceramic package
- Compact design for light guide
- Separate thermal and electric pad



PF03A06

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 with standard color and power
- Low thermal resistance



PC33A18



PC33A48

Dimensions	3.2 x 3.0 x 0.6 mm	3.2 x 3.0 x 0.6 mm
Rated Current	350 mA	150 mA
Flux	90 lm	32 lm
Thermal Resistance	15 °C/W	15 °C/W
Max Current	450 mA	200 mA
Max Junction Temperature	150 °C	150 °C

PLCC6

-PLCC6 footprint compatible



PC35A25



Dimensions	3.4 x 3.3 x 1.9 mm
Rated Current	140 mA
Flux	32 lm
Thermal Resistance	50 °C/W
Max Current	200 mA
Max Junction Temperature	125 °C

3528 PLCC4

-PLCC4 footprint compatible



PC35A22

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	50 mA
Flux	12 lm
Thermal Resistance	60 °C/W
Max Current	70 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	17 lm
Thermal Resistance	60 °C/W
Max Current	70 mA
Max Junction Temperature	125 °C



PLCC6 RGB

-Multicolor design with RGB chip in one



PC35X26

Dimensions	3.4 x 3.3 x 1.9 mm
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



PC35B34

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	950 mcd	400 mcd	1800 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



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	1800 mcd	700 mcd	2000 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

LED Products Overview

Product	Headlamp	DRL	RCL/CHMSL	Indicator	Illumination
	<ul style="list-style-type: none"> ○ PF06N03 ○ PF09N01 ○ PF12N04 				
Core L Series					
	<ul style="list-style-type: none"> ○ PF06N01 ○ PF09N05 	<ul style="list-style-type: none"> ○ PF03N04 		<ul style="list-style-type: none"> ● PF03A06 	
Core Series					
		<ul style="list-style-type: none"> ○ PC33N26 ○ PC33N47 	<ul style="list-style-type: none"> ● PC33R46 ● PC33R49 	<ul style="list-style-type: none"> ● PC33A18 ● PC33A48 	
3030E					
		<ul style="list-style-type: none"> ○ PC35N28 	<ul style="list-style-type: none"> ● PC35R23 	<ul style="list-style-type: none"> ● PC35A25 	<ul style="list-style-type: none"> ● PC35X26
PLCC6					
			<ul style="list-style-type: none"> ● PC35R14 	<ul style="list-style-type: none"> ● PC35A22 	<ul style="list-style-type: none"> ○ PC35H19
3528 PLCC4					
					<ul style="list-style-type: none"> ○ PC35N33 ● PC35R29 ● PC35B32 ● PC35A31 ● PC35G30 ● PC35B34
3528 PLCC2					



3528 PLCC2

-PLCC2 footprint compatible

PC35A31
Amber



PC35B32
Blue



PC35B34
Ice Blue



Dimensions	3.5 x 2.8 x 1.9 mm	3.5 x 2.8 x 1.9 mm	3.5 x 2.8 x 1.9 mm
Rated Current	4 mA	5 mA	5 mA
Flux	160 mcd	100 mcd	500 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

PC35G30
Green



PC35R29
Red



PC35N33
White



Dimensions	3.5 x 2.8 x 1.9 mm	3.5 x 2.8 x 1.9 mm	3.5 x 2.8 x 1.9 mm
Rated Current	20 mA	20 mA	20 mA
Flux	1600 mcd	900 mcd	2000 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

3528 PLCC4 2-in-1

-Standard PLCC4 footprint compatible
-2 chip in 1 PKG (Blue + Red)

PC35D57

Dimensions	3.5 x 2.8 x 1.9 mm
Rated Current	50 mA / 1 chip
Flux	R:240 mcd B:90 mcd
Thermal Resistance	R:270 °C/W B:280 °C/W
Max Current	R:20 mA B:30 mA
Max Junction Temperature	125 °C



5450

-For interior lighting application

PC54H03

PC54U04

Dimensions	5.4 x 5.0 x 1.1 mm
Rated Current	35 mA
Flux	6100 mcd
Thermal Resistance	20 °C/W
Max Current	120 mA
Max Junction Temperature	125 °C

8014

-Side-view PKG for interior application

-CRI >90



PC80U01

Dimensions	8.14 x 1.65 x 1.4 mm
Rated Current	120 mA
Flux	12500 mcd
Thermal Resistance	60 °C/W
Max Current	200 mA
Max Junction Temperature	125 °C

Patents

Region	Patent Number	Title
US	I1,538,970B2	LIGHT EMITTING DIODE DEVICE
	I0,763,402B2	LIGHT-EMITTING DIODE PACKAGE
	9,812,432B2	LED CHIP PACKAGE
	9,659,914B2	LIGHT-EMITTING DIODE CHIP PACKAGE
	D782,425S	LEAD FRAME FOR LIGHT-EMITTING DIODE
	D709,040S	LIGHT EMITTING DIODE PACKAGE
	D697,876S	LIGHT EMITTING DIODE LEAD-FRAME
	D697,877S	LIGHT EMITTING DIODE PACKAGE
	D719,111S	LIGHT EMITTING DIODE LEAD-FRAME
	D718,726S	LIGHT EMITTING DIODE PACKAGE
	D678,225S	LIGHT EMITTING DIODE PACKAGE
	D668,624S	LIGHT EMITTING DIODE PACKAGE
	D664,505S	LIGHT EMITTING DIODE PACKAGE
	D634,284S	LEAD FRAME
	D634,285S	LEAD FRAME
	D638,378S	LEAD FRAME
D634,286S	LEAD FRAME	

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