



MORE LIGHT FOR DIRECTION

Automotive LED

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EVERLIGHT

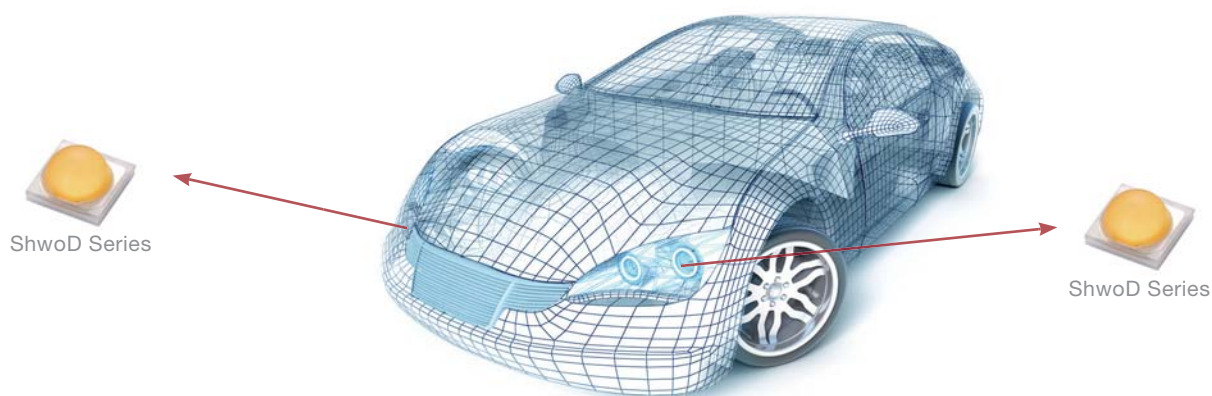


Introduction of automotive components for exterior application

EVERLIGHT provides lighting components for exterior application to be driven by the need for energy efficiency, automobile styling, and the introduction of new power technologies. We tend to focus on the efficiency, reliability, low working temperature in our components to fit in the automotive market segments. EVERLIGHT is continuously putting effort in new innovation for exterior components to fulfill customer aspects.

Your source of information: enter www.everlight.com for all advanced EVERLIGHT optoelectronic products and updated specifications.

PLCC/ EMC Package



Structures and materials depend on demand of client.



Maximizing lifecycles
with maximum respect
for the cycle of life.



Top view LED
Qualification: According to AEC-Q101-REV-C
Precondition: MSL Level 2 based on JEDEC J-STD-020
Automotive reflow profile (IR reflow)



15-21(AM) Series

Product Type	Chip LED
Package	1206
Dimension LxWxH mm	3.2x1.5x1mm
Light Color	R/G/Y
Max Current	20mA
Brightness Intensity (mcd)	R: 71-180 mcd G: 112-285 mcd Y: 90-180 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators
Features	RoHS compliant
	Chip LED package
	ESD protection 2KV
	Topr -40~+85℃
	View angle 130°

Structures and materials depend on demand of client.



Top view LED
Qualification: According to AEC-Q101-REV-C
Precondition: MSL Level 3 based on JEDEC J-STD-020
Automotive reflow profile (IR reflow)



Top view LED
Qualification: According to AEC-Q101-REV-C
Precondition: MSL Level 2 based on JEDEC J-STD-020
Automotive reflow profile (IR reflow)

17-215 (AM) Series

Product Type	Chip LED
Package	0805
Dimension LxWxH mm	2.0x1.25x0.8mm
Light Color	R/G/Y
Max Current	20mA
Brightness Intensity (mcd)	R:112-280 mcd G:18-45 mcd Y:90-224 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators
Features	RoHS compliant
	Chip LED package
	ESD protection 2KV
	Topr -40~+100℃
	View angle 140°

Structures and materials depend on demand of client.

19-213 (AM) Series

Product Type	Chip LED
Package	0603
Dimension LxWxH mm	1.6x0.8x0.6mm
Light Color	R/G/Y
Max Current	20mA
Brightness Intensity (mcd)	R:112-280 mcd G:56-112 mcd Y:180-355 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators
Features	RoHS compliant
	Chip LED package
	ESD protection 2KV
	Topr -40~+100℃
	View angle 120°

Structures and materials depend on demand of client.



Top view PLCC-2
Inner reflector and white package
Precondition: Level 2 based on JEDEC J-STD-020D
Qualification according to AEC-Q101-REV-C
Automotive reflow profile (IR reflow)



Side view PLCC-2
Inner reflector and white package
Precondition: Level 2 based on JEDEC J-STD-020D
Qualification according to AEC-Q101-REV-C
Automotive reflow profile (IR reflow)

45-11 (AM) Series

Product Type	PLCC
Package	3020
Dimension LxWxH mm	3.0x2.0x1.3mm
Light Color	W/IceBlue
Max Current	30mA
Brightness Intensity (mcd)	W:2800-3400 mcd IceBlue:1400-2800 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player) Ambient Lighting
Features	RoHS compliant
	PLCC-2 package
	ESD protection 2KV
	Topr -40~+100°C
	View angle 120°

Structures and materials depend on demand of client.

57-11 (AM) Series

Product Type	PLCC
Package	4040
Dimension LxWxH mm	4.0x4.0x3.6mm
Light Color	R/G/B/Y/IceBlue/W
Max Current	30mA
Brightness Intensity (mcd)	R:715-1800 mcd G:560-900 mcd B:224-560 mcd Y:180-355 mcd White:112-224 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player) Ambient Lighting
Features	RoHS compliant
	PLCC-2 package
	ESD protection 2KV
	Topr -40~+100°C
	View angle 120°

Structures and materials depend on demand of client.



Top view PLCC-2
Inner reflector and white package
Precondition: Level 2 based on JEDEC J-STD-020D
Qualification according to AEC-Q101-REV-C
Automotive reflow profile (IR reflow)



Top view PLCC-2
Inner reflector and white package
Precondition: Level 2 based on JEDEC J-STD-020D
Qualification according to AEC-Q101-REV-C
Automotive reflow profile (IR reflow)

65-11 (AM) Series

Product Type	PLCC
Package	2214
Dimension LxWxH mm	2.2x1.4x1.35mm
Light Color	R/G/B/Y/IceBlue/W
Max Current	30mA
Brightness Intensity (mcd)	R:90-224 mcd G:710-1400 mcd B:140-280 mcd Y:140-224 mcd IceBlue:180-450 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player) Ambient Lighting
Features	RoHS compliant
	PLCC-2 package
	ESD protection 2KV
	Topr -40~+100°C
	View angle 120°

Structures and materials depend on demand of client..

67-11 (AM) Series

Product Type	PLCC
Package	3528
Dimension LxWxH mm	3.5x2.7x1.9mm
Light Color	R/G/B/Y/IceBlue/W
Max Current	50mA
Brightness Intensity (mcd)	R:560-1400 mcd G:71-140 mcd B:450-900 mcd Y:224-355 mcd W:710-1800 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player) Ambient Lighting
Features	RoHS compliant
	PLCC-2 package
	ESD protection 2KV
	Topr -40~+100°C
	View angle 120°

Structures and materials depend on demand of client.

Introduction of automotive components for Interior application

EVERLIGHT provides lighting components for interior application to deliver lighting that works beautifully and cost effectively. We tend to design a unique LED light that uses far less energy with colors best enhance your vehicle brand identity to attract consumer attention and enhance overall appearance of the car. EVERLIGHT interior ambient components can give you the right mood at any time and also make night driving safer by illuminating controls and storage areas.

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Small package with low brightness



Chip LED 1206
15-21 (AM) Series

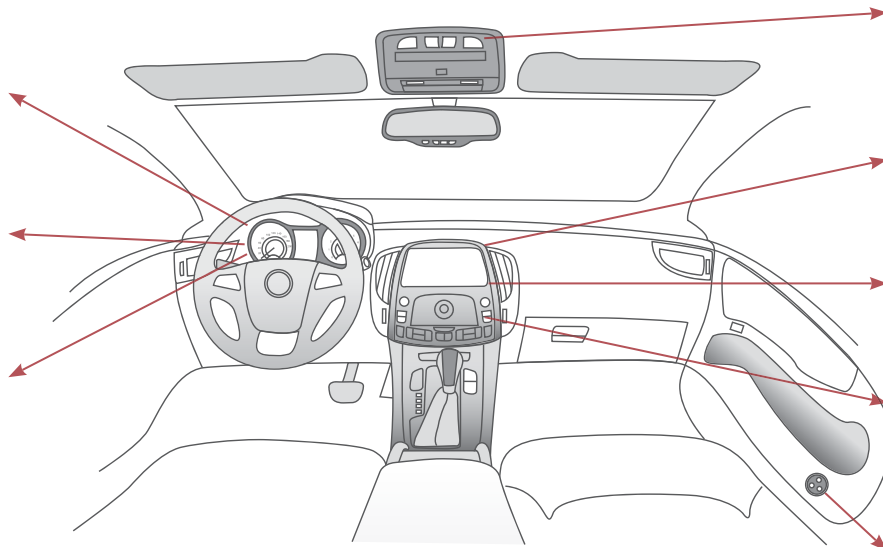


Chip LED 0805
17-215 (AM) Series



Chip LED 0603
19-213 (AM) Series

PLCC / Chip LED Package



Structures and materials depend on demand of client.

Midsized package with high brightness



PLCC 3020
45-11 (AM) Series



PLCC 2214
65-11 (AM) Series



PLCC 3528
67-11 (AM) Series



PLCC 3528
67-31 (AM) Series



PLCC Side View
57-11 (AM) Series



Top view PLCC-3
Inner reflector and white package
Precondition: Level 2 based on JEDEC J-STD-020D
Qualification according to AEC-Q101-REV-C
Automotive reflow profile (IR reflow)



The Shwo(D) series is a high-power device featuring high brightness, compact size with various color selections.

Precondition: MSL Level 2 based on JEDEC J-STD-020D
Qualification: According to AEC-Q101-REV-C
Automotive reflow profile (IR reflow)

67-31 (AM) Series

Product Type	PLCC
Package	3528
Dimension LxWxH mm	3.5x2.7x1.9mm
Light Color	R/G/B/Y/IceBlue/W
Max Current	70mA
Brightness Intensity (mcd)	R:900-1800 mcd G:56-140 mcd B:355-900 mcd Y:1800-3550 mcd W:2800-5600 mcd
Application	Automotive Interior application: Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player) Automotive Exterior Application: Rear Stop Light Rear Turn Light
Features	RoHS compliant
	PLCC-3 package
	ESD protection 2KV
	Topr -40~+100°C
	View angle 120°

Structures and materials depend on demand of client.

ShwoD Series

Product Type	High Power
Package	3535
Dimension LxWxH mm	3.5x3.5x2.35mm
Light Color	5700K
Max Current	350mA
Brightness Intensity (mcd)	Cool white 110lm (min)
Application	Automotive Exterior application: DRL (Daytime Running Light)
Features	RoHS compliant
	Ceramic package
	ESD protection 8KV
	Topr=-40~+100°C
	View angle 120°

Structures and materials depend on demand of client.

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