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EVERLIGHT provides a diverse product portfolio consisting of High Power LEDs, SMD LEDs, Lamps, Lighting Components, LED Lighting Modules, Digital Displays, Opto-couplers and Infrared Components for various applications. Today, EVERLIGHT is a global company with over 6,400 employees based in China, Hong Kong, Japan, Korea, Singapore, Malaysia, India, Germany and U.S.A.

For more information, please visit our website
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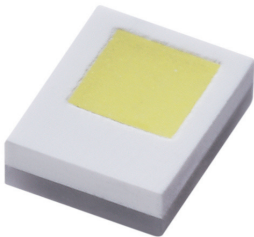
Exterior Application

Automotive





Exterior Application

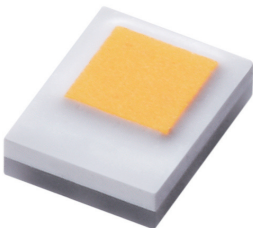


Qualification: According to AEC-Q101

EL ALFS - ELB Series 1x1

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	180-280 @700mA
Dimension LxWxH mm	2.04x1.64x0.85	Application	DRL Head Lamp
Light Color	Exterior White	Viewing Angle	120°

Structure and material depend on customer request.



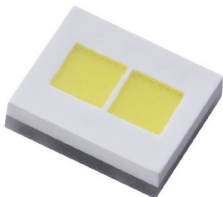
Qualification: According to AEC-Q101

EL ALFS - ELB Series 1x1

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	60-160 @700mA
Dimension LxWxH mm	2.04x1.64x0.85	Application	Turning Light
Light Color	PC Amber	Viewing Angle	120°

Structure and material depend on customer request.

Exterior Application



Qualification: According to AEC-Q101

EL ALFS - ELB Series 1x2

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	500-750 @700mA
Dimension LxWxH mm	2.9x2.4x0.8	Application	Head Lamp
Light Color	Exterior White	Viewing Angle	120°

Structure and material depend on customer request.



Qualification: According to AEC-Q101

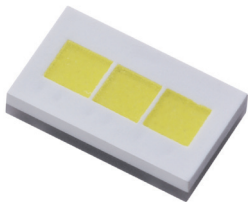
EL ALFS - ELB Series 1x2

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	Cool White:140-240@700mA PC Amber:60-160@700mA
Dimension LxWxH mm	2.9x2.4x0.8	Application	DRL / Turning Light
Light Color	White / PC Amber	Viewing Angle	120°

Structure and material depend on customer request.



Exterior Application



Qualification: According to AEC-Q101

EL ALFS - ELB Series 1x3

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	800-1100 @1000mA
Dimension LxWxH mm	4.0x2.4x0.8	Application	Head Lamp
Light Color	Exterior White	Viewing Angle	120°

Structure and material depend on customer request.

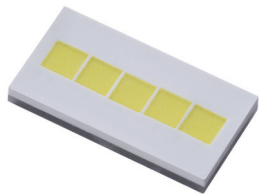


Qualification: According to AEC-Q101

EL ALFS - ELB Series 1x4

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	1100-1400 @1000mA
Dimension LxWxH mm	6.2x3.2x0.8	Application	Head Lamp
Light Color	Exterior White	Viewing Angle	120°

Structure and material depend on customer request.



Qualification: According to AEC-Q101

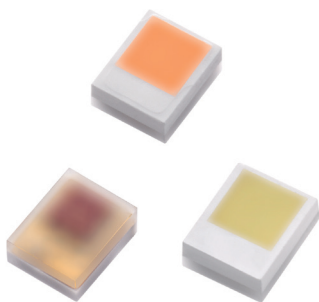
EL ALFS - ELB Series 1x5

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Luminous flux (lm)	1400-1900 @1000mA
Dimension LxWxH mm	6.2x2.0x0.8	Application	Head Lamp
Light Color	Exterior White	Viewing Angle	120°

Structure and material depend on customer request.



Exterior Application

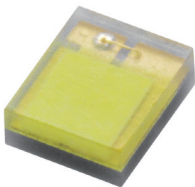


Qualification: According to AEC-Q101

EL Compact 2016 - ELB

Features			
Enhanced Corrosion Robustness			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Product Type	High Power Chip on Ceramic	Light Color	White / Red / PC Amber / Super Red
Viewing Angle	120°	Luminous flux (lm)	White: 150-275 @700mA Red: 39-70 @350mA Super Red:27-52 @350mA PC Amber: 60-100 @350mA
Dimension LxWxH mm	2.04x1.64x0.75	Application	DRL Fog Lamp Turning Light Stop Light

Structure and material depend on customer request.



Qualification: According to AEC-Q101

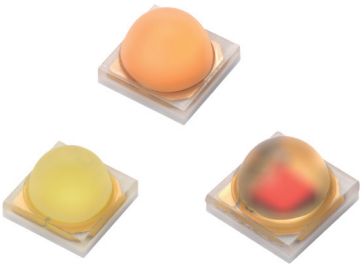
EL 2319 - ELB

Features			
Enhanced Corrosion Robustness			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+125°C			
Low Thermal Resistance R _{th} 4.7(K/W) , Tj150°C			
Product Type	High Power Chip on Ceramic	Light Color	White / PC Amber
Viewing Angle	120°	Luminous flux (lm)	White:225-325 @700mA PC Amber:130-180 @700mA
Dimension LxWxH mm	2.3x1.9x0.75	Application	DRL / Turning Light

Structure and material depend on customer request.



Exterior Application

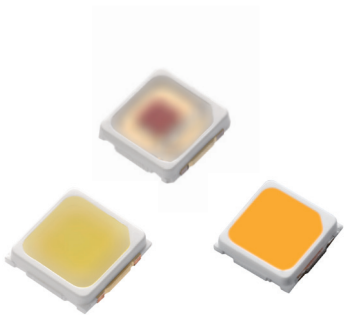


Qualification: According to AEC-Q101

EL 3535E - ELB

Features			
Enhanced Corrosion Robustness			
Ceramic Based Package			
Low Thermal Resistance R _{th} 6.0(K/W) , Max Tj150°C			
ESD Protection 8KV			
Product Type	High Power Chip on Ceramic	Light Color	White / PC Amber / Red / Super Red
Viewing Angle	120°	Luminous flux (lm)	White:120-160 @350mA PC Amber:60-90 @350mA Red:60-90 @350mA Super Red:30-40 @350mA
Dimension LxWxH mm	3.5x3.5x2.3	Application	DRL Turning Light Stop Lamp

Structure and material depend on customer request.



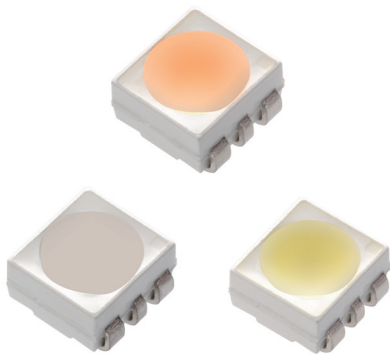
Qualification: According to AEC-Q101

EL 3030E - ELB

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
ESD Protection 8KV			
Protection diode included			
Product Type	High Power Chip on EMC Package	Light Color	White / Red / PC Amber / Super Red
Viewing Angle	120°	Luminous flux (lm)	White: 100-140 @350mA Red: 39-70 @350mA PC Amber: 80-100 @350mA
Dimension LxWxH mm	3.0x3.0x0.8	Application	DRL Fog Lamp Stop Lamp Turning Light

Structure and material depend on customer request.

Exterior Application

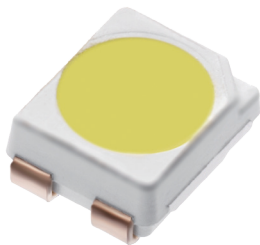


Qualification: According to AEC-Q101

EL Advanced Power Top View - ELB

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
ESD Protection 8KV			
Topr= -40~+110°C			
Product Type	PLCC6	Light Color	White / Red / PC Amber / Yellow / Red Super Red
Viewing Angle	120°	Luminous Intensity (mcd)	White: 7100-14000 @150mA Red: 4500-9000 @150mA PC Amber: 5600-11200 @150mA Yellow: 3550-7100 @150mA Super Red: 2800-7100 @150mA
Dimension LxWxH mm	3.4x3.3x1.8	Application	Position Lamp Stop Lamp Turning Light CHMSL

Structure and material depend on customer request.



Qualification: According to AEC-Q101

EL Power Top View - ELB

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
ESD Protection 8KV (W) 2KV (R / Y / SR)			
Topr= -40~+110°C			
Product Type	PLCC4	Light Color	White / Red / Yellow / Super Red
Viewing Angle	120°	Luminous Intensity (mcd)	White: 2240-4500 @30mA Red: 1800-3550 @50mA Yellow: 1400-2800 @50mA Super Red: 1120-1800 @50mA
Dimension LxWxH mm	3.5x2.8x1.85	Application	Turning Light Stop Lamp

Structure and material depend on customer request.



Exterior Application



Qualification: According to AEC-Q101

EL Top View Lens 30° / 60° - ELB

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
ESD Protection 2KV			
Topr= -40~+110°C			
Product Type	PLCC3 with Lens	Light Color	Red / Yellow
Viewing Angle	30° / 60°	Luminous Intensity (mcd)	Red:30°Lens 5600-18000 @50mA Yellow:30°Lens 5600-18000 @50mA Red:60°Lens 3550-11200 @50mA Yellow:60°Lens 2800-9000 @50mA
Dimension LxWxH mm	3.5x2.8x3.35	Application	Stop Lamp Turning Light CHMSL

Structure and material depend on customer request.



Qualification: According to AEC-Q101

EL Micro Side View 3011 - ELB

Features			
Enhanced Corrosion Robustness			
RoHS Compliant			
ESD Protection 2KV			
Topr= -40~+110°C			
Product Type	PLCC2 Side View	Light Color	White / Yellow / Red / Super Red
Viewing Angle	120°	Luminous Intensity (mcd)	White: 900-1800 @20mA Yellow: 560-1120 @20mA Red: 560-1120 @20mA Super Red:450-700 @20mA
Dimension LxWxH mm	3.0x1.1x1.2	Application	Stop Lamp Tail Lamp

Structure and material depend on customer request.



Interior Application Automotive





Interior Application



Qualification: According to AEC-Q101

EL Mini Top View - ELB

Features			
RoHS Compliant			
ESD Protection 2KV (R / Y) 8KV (B / SB / IB / W)			
Topr= -40~+110°C			
Product Type	PLCC2	Light Color	Red / Blue / Yellow / Sky Blue / Ice Blue / White
Viewing Angle	120°	Luminous Intensity (mcd)	Red: 710-1400 @20mA Blue: 224-560 @20mA Yellow: 710-1400 @20mA Sky Blue: 112-450 @10mA Ice Blue: 140-560 @10mA White: 1400-3550 @20mA
Dimension LxWxH mm	2.2x1.4x1.35	Application	Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player) Ambient Lighting

Structure and material depend on customer request.

EL Top View - ELB



Qualification: According to AEC-Q101

Features			
RoHS Compliant			
ESD Protection 2KV (R / Y) 8KV (B / SB / IB / W)			
Topr= -40~+110°C			
Product Type	PLCC2	Light Color	Red / Blue / Yellow / Sky Blue / Ice Blue / White
Viewing Angle	120°	Luminous Intensity (mcd)	Red: 710-1400 @20mA Blue: 224-560 @20mA Yellow: 710-1400 @20mA Sky Blue: 112-450 @10mA Ice Blue: 140-560 @10mA White: 1400-3550 @20mA
Dimension LxWxH mm	3.5x2.8x1.85	Application	Car Infotainment Dashboard Switch indicators LCD Back Lighting (GPS, DVD player)

Structure and material depend on customer request.

EL Side View - ELB

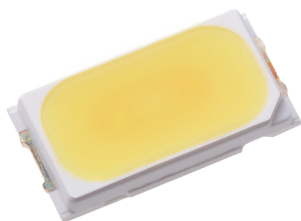


Qualification: According to AEC-Q101

Features			
RoHS Compliant			
ESD Protection 2KV (R / Y) 8KV (B / SB / IB / W)			
Topr= -40~+110°C			
Product Type	PLCC Side View	Light Color	Red / Blue / Yellow / Sky Blue / Ice Blue / White
Viewing Angle	120°	Luminous Intensity (mcd)	Red: 710-1400 @20mA Blue: 224-560 @20mA Yellow: 710-1400 @20mA Sky Blue: 140-560 @10mA Ice Blue: 140-560 @10mA White: 140-560 @20mA
Dimension LxWxH mm	4.0x4.0x3.6	Application	Car Infotainment Dashboard Switch Indicators LCD Back Lighting (GPS, DVD Player)Ambient Lighting

Structure and material depend on customer request.

EL 5630 - ELB

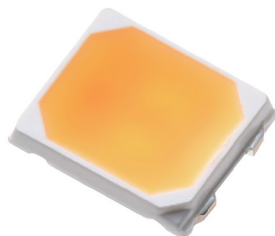


Qualification: According to AEC-Q101

Features			
RoHS Compliant			
Enhanced sulfur Robustness with MLP			
ESD Protection 8KV			
Topr= -40~+110°C			
Product Type	PLCC / 5630	Light Color	Cool White / Neutral White / Warm White
Viewing Angle	120°	Luminous flux (lm)	White: 24-40 @65mA
Dimension LxWxH mm	5.6x3.0x0.65	Application	Interior Lighting Reading Light

Structure and material depend on customer request.

EL 2835 - ELB



Qualification: According to AEC-Q101

Features			
RoHS Compliant			
Enhanced sulfur Robustness with MLP			
ESD Protection 8KV			
Topr= -40~+110°C			
Product Type	PLCC / 2835	Light Color	Cool White / Neutral White / Warm White
Viewing Angle	120°	Luminous flux (lm)	White: 24-40 @65mA
Dimension LxWxH mm	2.8x3.5x0.7	Application	Interior Lighting Reading Light

Structure and material depend on customer request.



Interior Application



Qualification: According to AEC-Q101

EL Power Top View - ELB

Features			
Wide Viewing Angle 120°			
Phosphor Converted Purple Color			
Qualified AEC-Q101			
Product Type	SMD C	Light Color	Bluish Purple / Dual Chip
Viewing Angle	120°	Luminous Intensity (mcd)	1120-1800 @20mA
Dimension LxWxH mm	3.5x2.8x1.9	Application	Ambient Lighting

Structure and material depend on customer request.



Automotive TFT Backlight Application



Qualification: According to AEC-Q101

EL Top View 3014 - ELB

Features			
RoHS Compliant			
Enhanced Corrosion Resistance			
ESD Protection 2KV			
Topr= -40~+110°C			
Product Type	PLCC 3014	Light Color	White
Viewing Angle	120°	Luminous flux (lm)	22-34 @80mA (NTSC80)
Dimension LxWxH mm	3.0x1.4x0.6	Application	Automotive TFT Backlight

Structure and material depend on customer request.



Qualification: According to AEC-Q101

EL Top View 4014 - ELB

Features			
RoHS Compliant			
Enhanced Corrosion Resistance			
ESD Protection 2KV			
Topr= -40~+110°C			
Product Type	PLCC 4014	Light Color	White
Viewing Angle	120°	Luminous flux (lm)	22-34 @80mA (NTSC80)
Dimension LxWxH mm	4.0x1.4x0.65	Application	Automotive TFT Backlight

Structure and material depend on customer request.

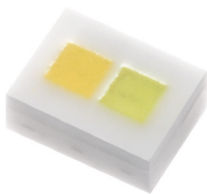


Multi Color Application Automotive





Multi Color Application

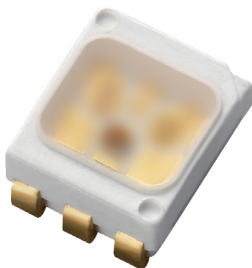


Qualification: According to AEC-Q101

EL Micro Multi - ELB

Features			
Enhanced Corrosion Robustness			
Ceramic Package			
ESD Protection 8KV			
Topr= -40~+110°C			
Product Type	Multi Chip on Ceramic	Light Color	WW / CW
Viewing Angle	120°	Luminous flux (lm)	Warm White: 20-33 @80mA (CRI 80) Cool White: 20-33 @80mA (CRI 80)
Dimension LxWxH mm	1.2x1.6x0.8	Application	Ambient Lighting

Structure and material depend on customer request.



Qualification: According to AEC-Q101

EL Topview RGB - ELB

Features			
Enhanced Corrosion Robustness			
ESD Protection 8KV			
Topr= -40~+110°C			
RoHS Compliant			
Product Type	PLCC6	Light Color	RGB
Viewing Angle	120°	Luminous Intensity (mcd)	Red: 560-1120@20mA Green: 1120-2240 @20mA Blue: 180-450 @20mA
Dimension LxWxH mm	3.5x2.8x1.4	Application	Switch indicators Ambient Lighting

Structure and material depend on customer request.



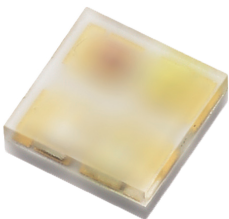
Multi Color Application



EL Smart Multi LED - ELB

Features			
PWM Mode			
Individual Control			
Adjustable Current			
Full Color and Smooth Color Mixing			
Automotive Standard			
Product Type	SMD C	Light Color	R/G/B
Viewing Angle	120°	Luminous Intensity (mcd)	R:355-1120 G:710-1800 B:140-450
Dimension LxWxH mm	5.0x5.0x1.5	Application	Ambient Lighting

Structure and material depend on customer request.



Qualification: According to AEC-Q101

EL Multi Color - ELB

Features			
Enhanced Corrosion Robustness			
Ceramic Package			
RoHS Compliant			
ESD Protection 2KV			
View angle 140°			
Product Type	Multi Chip on Ceramic	Light Color	RGBY
Viewing Angle	120°	Luminous Intensity (mcd)	Red: 460-780 @20mA Green: 1200-1600 @20mA Blue: 150-350 @20mA Yellow: 450-900 @20mA
Dimension LxWxH mm	2.5x2.5x0.75	Application	Ambient Lighting

Structure and material depend on customer request.



Sensor Application Automotive



Sensor Application

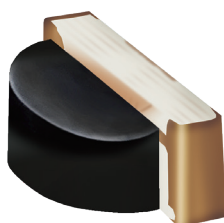


Qualification: According to AEC-Q101

EL Side View IR 3020 - ELB

Dimension(LxWxH mm)	3.0x2.0x1.0
Wavelength of Peak Sensitivity(nm)	940
Forward Voltage (V _F)	1.2
Radiant Intensity (mW/sr)	0.8 @20mA
Max continuous forward current (mA)	65
Resin color	Clear
Viewing Angle	150°

Structure and material depend on customer request.

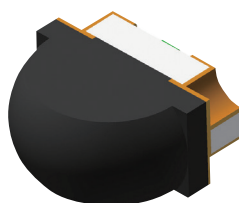


Qualification: According to AEC-Q101

EL Side View PD 3020 - ELB

Dimension(LxWxH mm)	3.0x2.0x1.0
Wavelength of Peak Sensitivity(nm)	940
Range of spectral bandwidth (nm)	730-1050
Reversed light current (μA)	1.5
Dark current (nA)	10
Lens color	Black (Day light filter)

Structure and material depend on customer request.

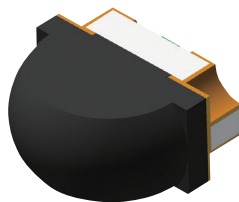


Qualification: According to AEC-Q101

EL Side View HIR 1615 - ELB

Dimension(LxWxH mm)	1.6x1.5x0.8
Wavelength of Peak Sensitivity(nm)	850
Forward Voltage (V _F)	1.4
Radiant Intensity (mW/sr)	5 @20mA
Max continuous forward current (mA)	65
Resin color	Black
Viewing Angle	X100° Y40°

Structure and material depend on customer request.



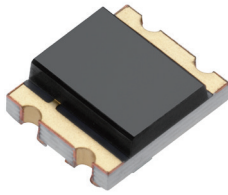
Qualification: According to AEC-Q101

EL Side View PD 1615 - ELB

Dimension(LxWxH mm)	1.6x1.5x0.8
Wavelength of Peak Sensitivity(nm)	940
Range of spectral bandwidth (nm)	760-1100
Reversed light current (μA)	2.4
Dark current (nA)	10
Lens color	Black (Day light filter)

Structure and material depend on customer request.

Sensor Application



Qualification: According to AEC-Q101

EL Top View PD 3227 - ELB

Dimension(LxWxH mm)	3.2x2.7x1.1
Wavelength of Peak Sensitivity(nm)	940
Range of spectral bandwidth (nm)	400-1100
Reversed light current (μA)	6.5
Dark current (nA)	10
Lens color	Black (Day light filter)

Structure and material depend on customer request.

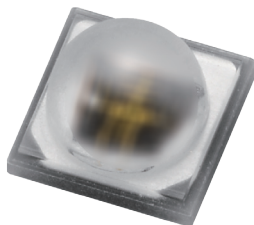


Qualification: According to AEC-Q101

EL Top View IR 2219 - ELB

Dimension(LxWxH mm)	2.2x1.9x0.9
Peak Wavelength (nm)	940
Forward Voltage (V _F)	1.4
Radiant Intensity (mW/sr)	50 @ 70mA, t _p 20ms / 65 @ 100mA, t _p 20ms
Max continuous forward current (mA)	70
Resin color	Clear
Viewing Angle	40°

Structure and material depend on customer request.



Qualification: According to AEC-Q101

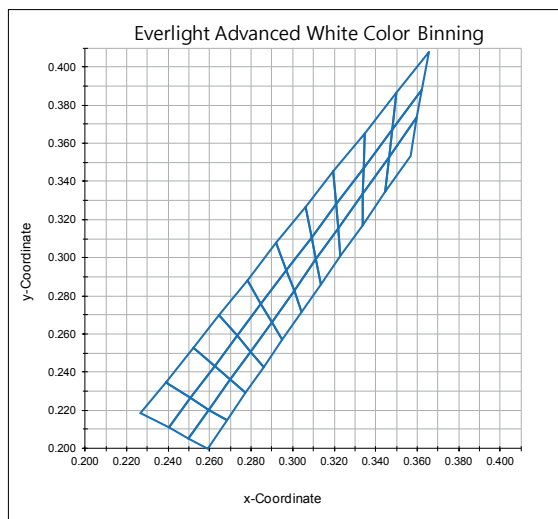
EL Top View HIR CH3535 - ELB

Dimension(LxWxH mm)	3.5x3.5x2.4
Peak Wavelength (nm)	850
Forward Voltage (V _F)	3.1
Radiant Intensity (mW/sr)	Typical 230 @ 350mA Typical 450 @ 700mA, t _p 0.1ms Typical 600 @ 1A, t _p 0.1ms
Max continuous forward current (mA)	350 up to 3A under t _p ≤0.1ms, D≤0.1%
Resin color	Clear
Viewing Angle	90° (150°under development)
Thermal resistance R _{th} (K/W)	5

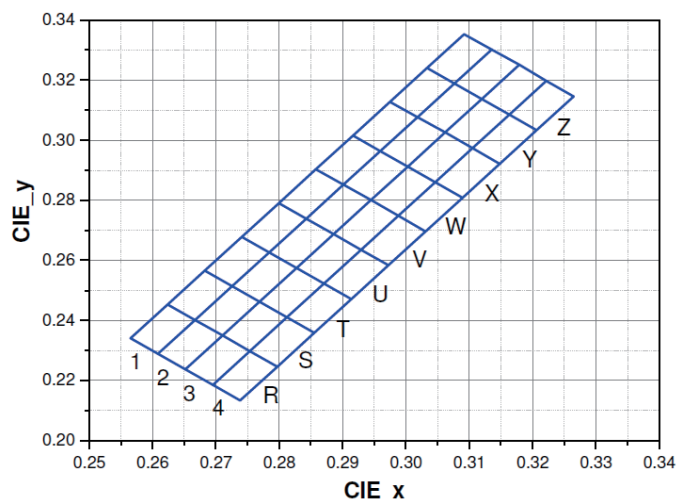
Structure and material depend on customer request.

EVERLIGHT COLOR BINNING

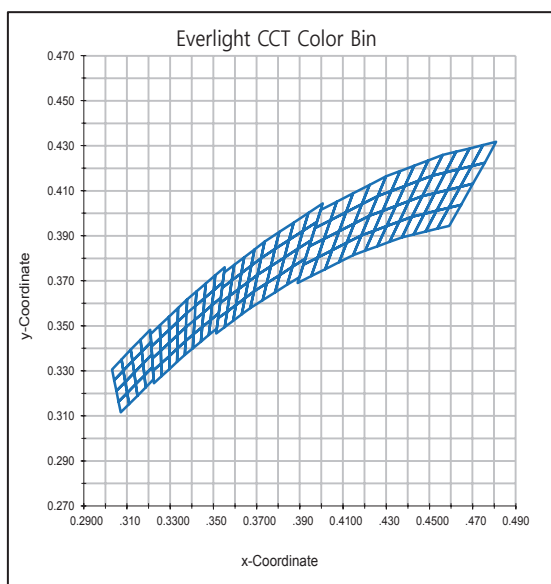
Interior White color Bin



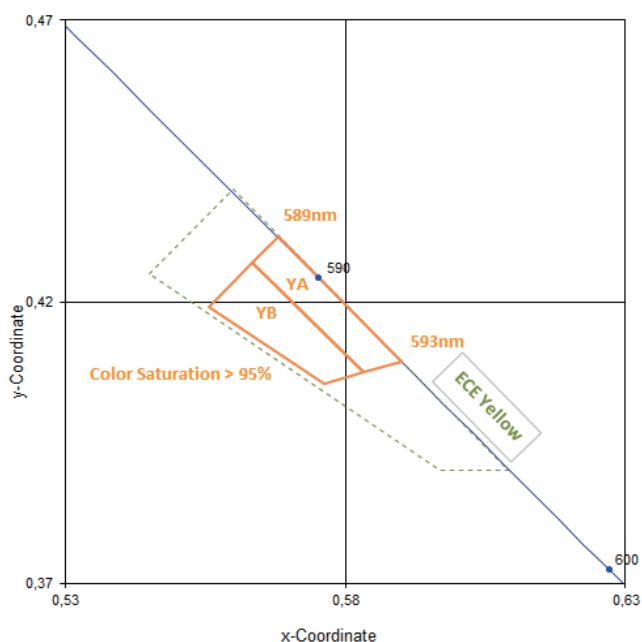
Backlighting color Bin



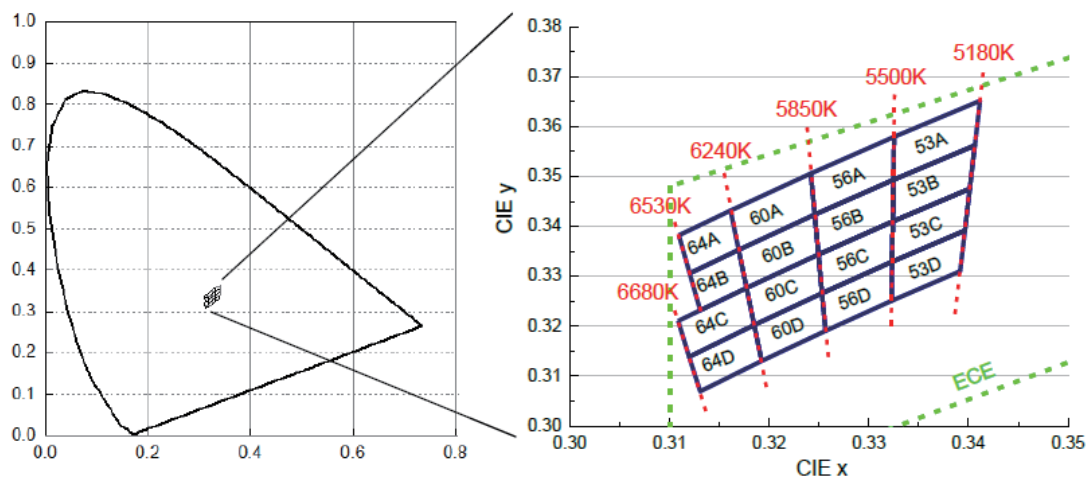
Ambient White color Bin



Everlight PC-Yellow Binning



Exterior White color Bin



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