

Featured Products



Low 2mA drive current optimized for low-light applications

1608 size Low Current LEDs

CSL1901 series

- **Reduces brightness and color variations in low-emission applications**

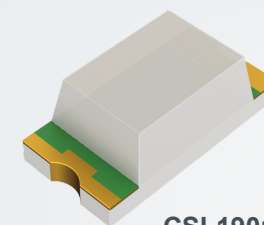
Guaranteed luminous intensity at 2mA halves the intensity fluctuation

Dominant wavelength measurement at 2mA reduces wavelength shift and color variation

- **Lineup includes energy saving high efficiency light-emitting AlGaInP-based devices**

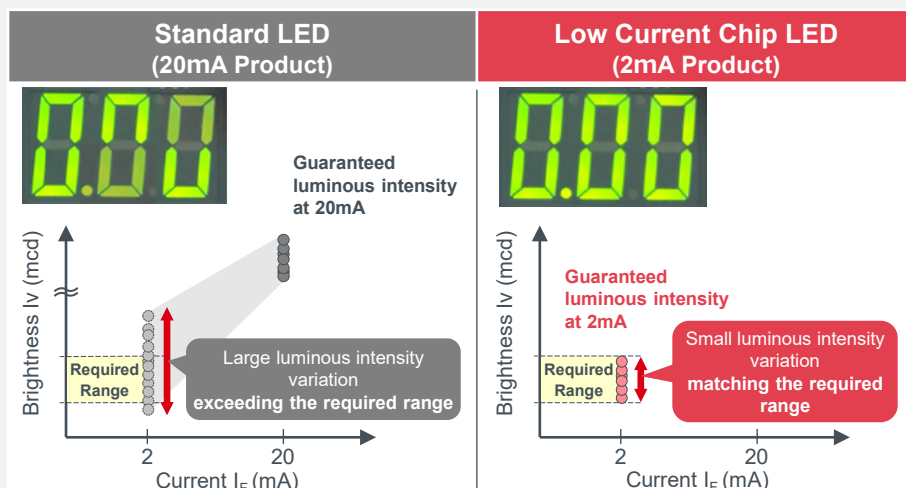
Emits light at 2mA with sufficient brightness even through a diffuser plate

- **Five-color lineup optimized for display**



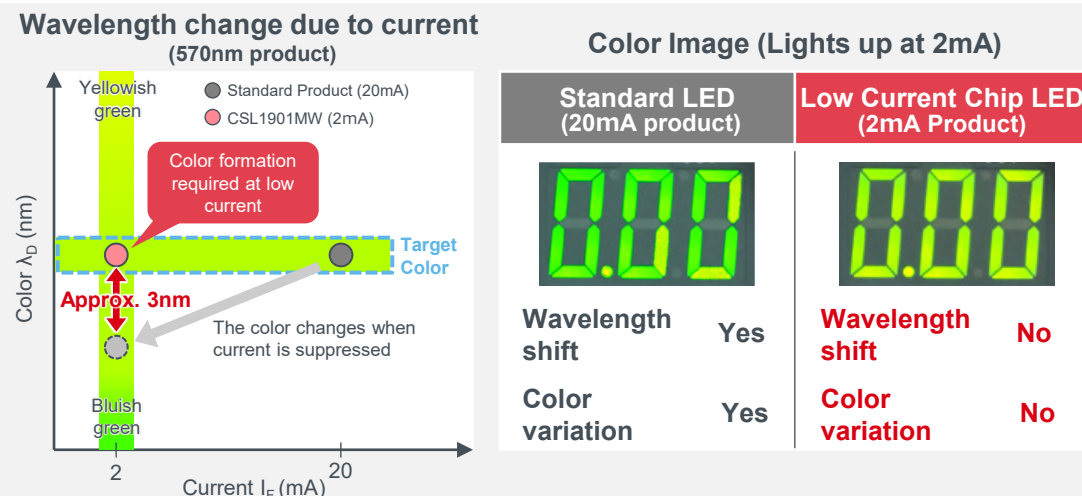
CSL1901 series
(1.6mm × 0.8mm, t=0.55mm)

■ Guaranteed 2mA luminous intensity halves the brightness variation



Guarantees brightness integrity at low current lighting

■ 2mA dominant wavelength measurement reduces wavelength shift and color variation



Eliminates color issues with low current lighting

■ Application example requiring low current lighting (Industrial equipment)

• Temperature Regulator

• PLC (Programmable Logic Controller)

Level Meter

Numeric Display

Channel Display

Switch Display

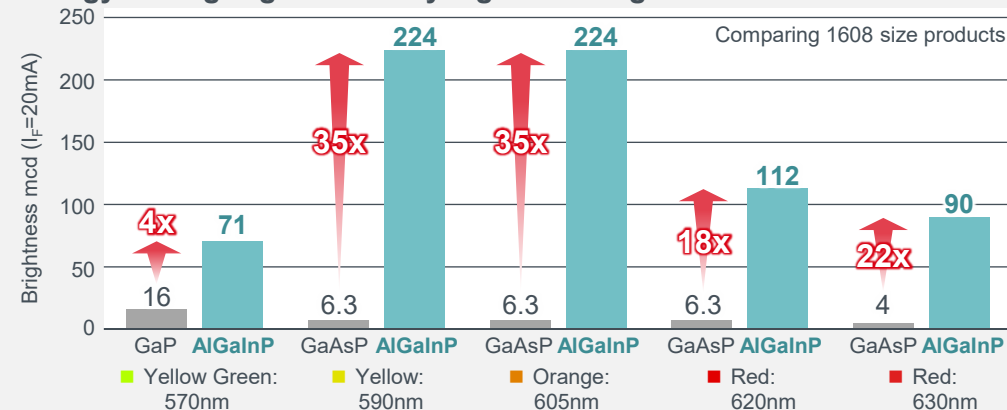
• The light emitting parts are not too bright

• Light does not leak to the neighboring light emitting parts

Ideal for energy-saving LED lighting in the low current range











■ Increases the luminous intensity of LED devices

• Energy Saving High Efficiency Light Emitting AlGaInP-Based Elements



Ensures sufficient brightness compared to conventional elements

■ Lineup

Emitting Color	Part No.	Absolute Maximum Ratings (T _a =25°C)						Electrical-Optical Characteristics (T _a =25°C)									Package (mm)
		Power Dissipation P _D (mW)	Forward Current I _F (mA)	Peak Forward Current I _{FP} (mA)	Reverse Voltage V _R (V)	Operating Temperature T _{opr} (°C)	Storage Temperature T _{stg} (°C)	Forward Voltage V _F		Reverse Current I _R		Dominant Wavelength λ _D		Luminous Intensity I _V			
								Typ (V)	I _F (mA)	Max (μA)	V _R (V)	Typ (nm)	I _F (mA)	Min (mcd)	I _V Max (mcd)	I _F (mA)	
Red	New CSL1901VW  	44	20	100*	5	-40 to +85	-40 to +100	1.8	2	10	5	630	2	1.6	6.3	2	1.6×0.8 (t=0.55)
Red	New CSL1901UW  											620		2.5	10.0		
Orange	New CSL1901DW  											605		6.3	25.0		
Yellow	New CSL1901YW  											590		6.3	25.0		
Yellow Green	New CSL1901MW  											570		1.0	4.0		

* Duty 1/10, 1kHz

Click on the icon to access the product page on ROHM's website Click on the icon to access the product datasheet on ROHM's website.



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