Featured Products

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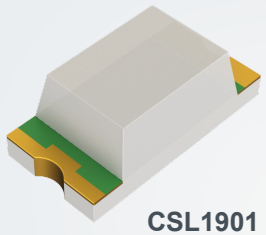
Low 2mA drive current optimized for low-light applications

1608 size Low Current LEDs

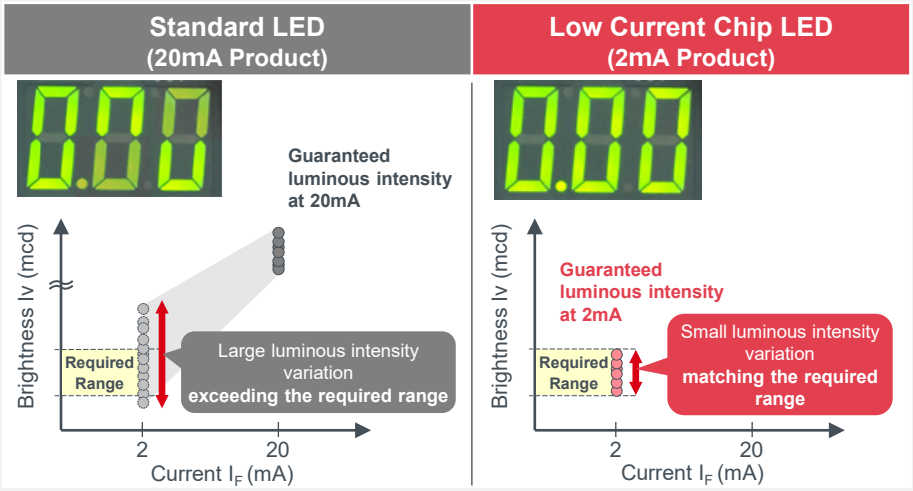
CSL1901 series

- **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**



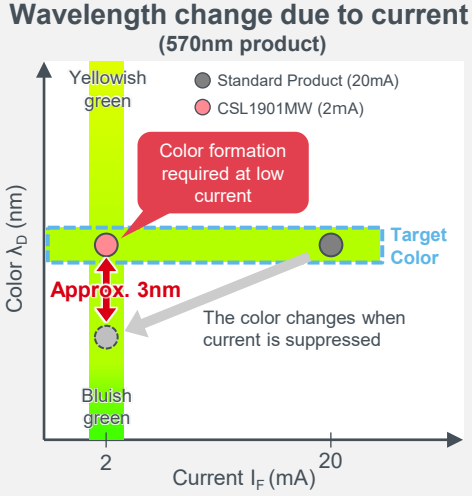
CSL1901 series
(1.6mm × 0.8mm, t=0.55mm)

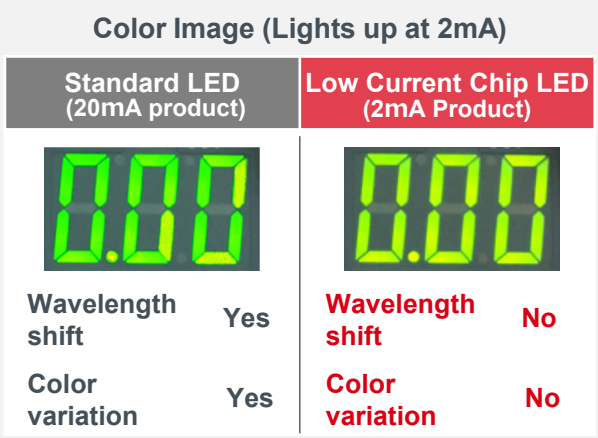
Guaranteed 2mA luminous intensity halves the brightness variation



Guarantees brightness integrity at low current lighting

2mA dominant wavelength measurement reduces wavelength shift and color variation

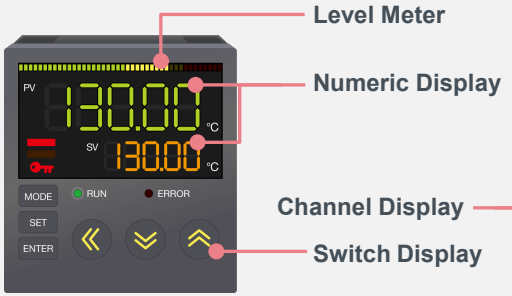




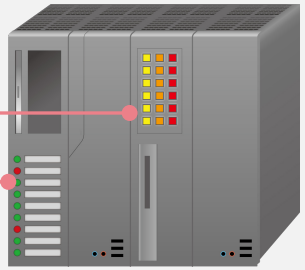
Eliminates color issues with low current lighting

Application example requiring low current lighting (Industrial equipment)

- **Temperature Regulator**



- **PLC**
  (Programmable Logic Controller)

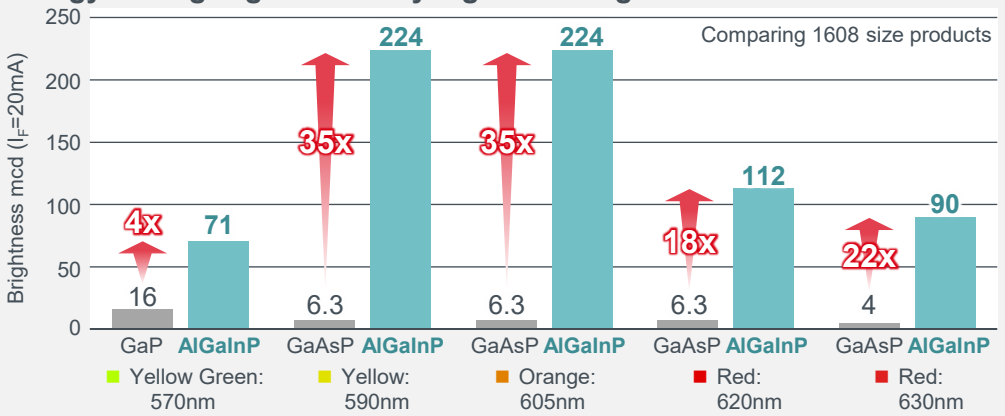


- The light emitting parts are not too bright
- Light does not leak to the neighboring light emitting parts

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 (Ta=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 Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V_F Typ (V)	Forward Voltage V_F I_F (mA)	Reverse Current I_R Max (μA)	Reverse Current I_R V_R (V)	Dominant Wavelength λ_D Typ (nm)	Dominant Wavelength λ_D I_F (mA)	Luminous Intensity I_V Min (mcd)	Luminous Intensity I_V Max (mcd)	Luminous Intensity I_V 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.

ROHM Co.,Ltd.
21 Saiin Mizosaki-cho, Ukyo-ku,
Kyoto 615-8585 Japan
www.rohm.com

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