

Tunable White COB


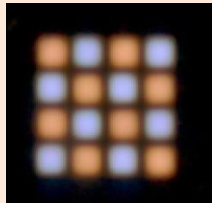
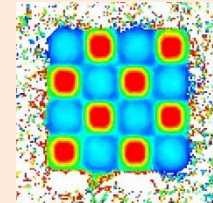


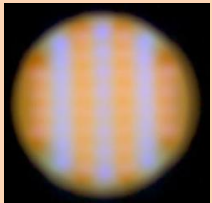
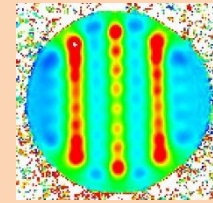

CITILED CLUD Series

CITILED Tunable White COB

- Target to be a solution for **Narrow angle fixtures** requiring **Good color mixing** in a low wattage range.
- Tunable CCT range : Warm 2700K – Cool 6500K



- Package Lineup : 2type
 - *CLUD22-024AE1 Outline : 13.5x13.5mm / LES Size : (Φ6.8mm)
 - *CLUD32-048BE1 Outline : 19.0x19.0mm / LES Size : (Φ10.06mm)
- *Based on CITIZEN COB platform.
- *Better color mixing characteristic compared with CSP/SMD.

		COB		COB + Lens
		Lighting conditions	Color distribution	Irradiation surface
CSP	 LES Φ10.9mm			
Tunable White	 LES Φ10.06mm			

1600K



10000K

CITILED Tunable White COB

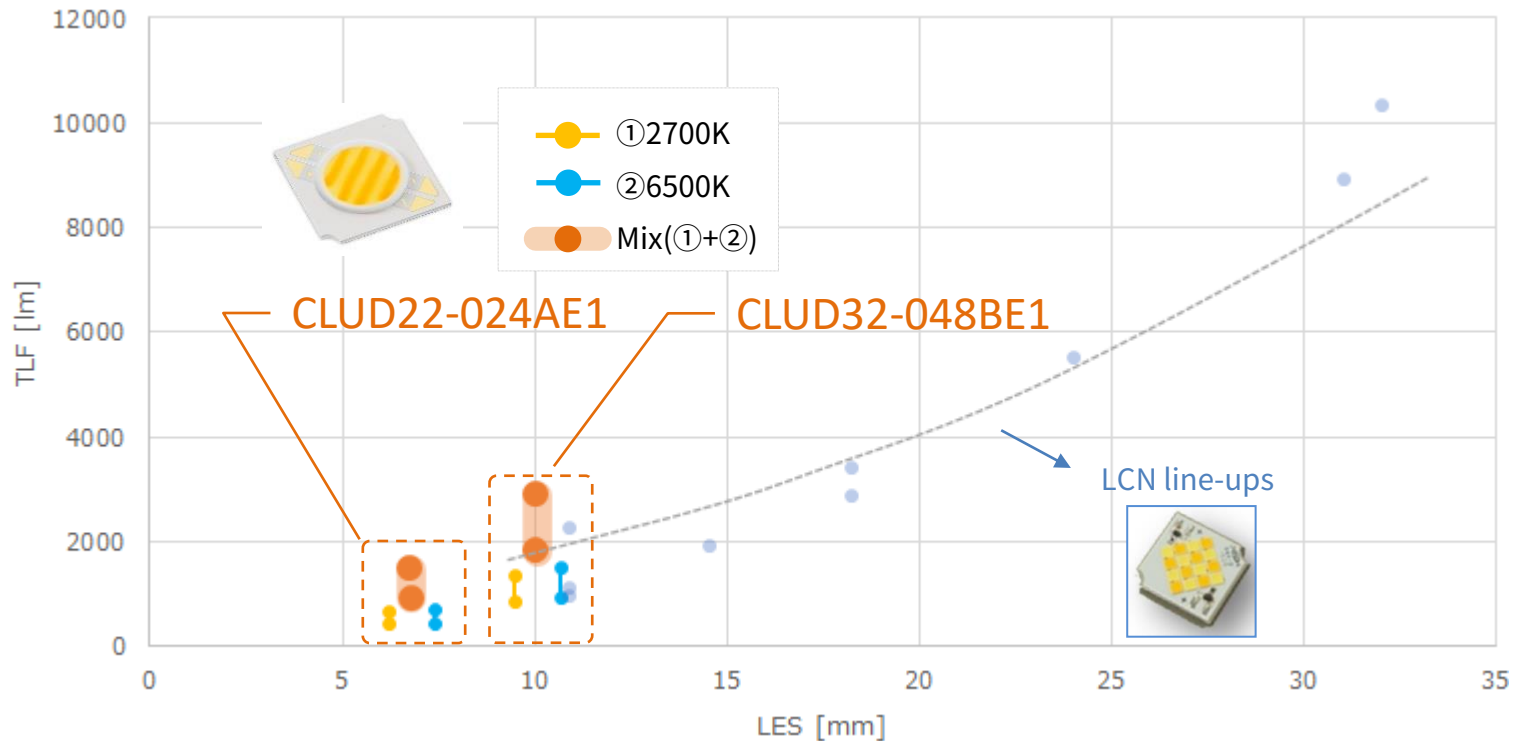
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OPC25-0010-03

- Luminous flux coverage range during color @ Tc25C

*CLUD22-024AE1 : 454 – 1443 lm

*CLUD32-048BE1 : 906 – 2882 lm

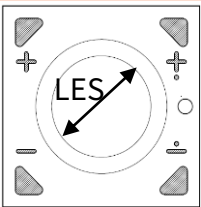
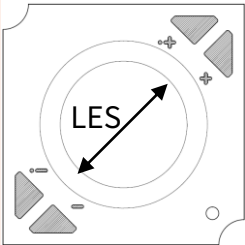


Tc25C as intermediate color (reference value)

*Specifications are subject to change without notice due to product under development.

CITILED Tunable White COB

TC=25

Package	Product code	Electro-optical Characteristics							
		CRI	Forward Current (mA)	Forward Voltage (V)	Input power Typ. (W)	CCT	Luminous Flux Typ. (lm)	Efficacy Typ. (lm/W)	Thermal Resistance Rj-c(C/W)
 <p>Outline : 13.5x13.5mm LES Size : (Φ6.8mm)</p>	CLUD22 -024AE1	90Min.	90	34.8	3.1	①2700K	435	139	3.4
			(90 each)			②6500K	472	151	
						mix(①+②)	907	145	
			150	36.7	5.5	①2700K	691	125	
						②6500K	752	137	
						mix(①+②)	1443	131	
 <p>Outline : 19.0x19.0mm LES Size : (Φ10.06mm)</p>	CLUD32 -048BE1	90Min.	180	34.8	6.3	①2700K	869	139	1.9
			(180 each)			②6500K	943	151	
						mix(①+②)	1812	145	
			300	36.7	11.0	①2700K	1380	125	
						②6500K	1502	136	
						mix(①+②)	2882	131	

*The reliability test is not finished.

*The drive condition for LM80 is not same as above.

*Specifications are subject to change without notice due to product under development.

Schedules

Engineering Samples : March 2025

Mass Production : May 2025

UL Certification : Scheduled to be obtained in June 2025

ENEC Certification : Scheduled to be obtained in June 2025

LM80 report : Please contact our sales team