

CITILED COB Series for Museum Lighting



CITILED High Intensity COB Series Ver.4 UQ



CLU713

CLU703

CLU7A3



CITILED Standard COB Series Ver.9 UQ



CLU03Q



CLU02Q

Model UQ : High-CRI, Reliable COB LED for Museum Lighting

The "UQ" model boasts excellent CRI values of Ra97 (typical) and R9 90 (typical), delivering a pure white color without any tint. Based on both the Hi COB Ver.4 and Standard Ver.9 COB platforms, it offers high reliability with an available 13,000-hour LM-80 report. Additionally, its small Light Emitting Surface (LES) makes it suitable for precise optical control.

Color Variation

High Intensity COB Series Version.4 UQ

Package	Die Configuration	LES Diameter Size (mm)	Package Outline Size (mm)	CRI 97 Typ.			
				2700K	3000K	3500K	4000K
CLU7A3	1201	Φ4.2	13.5×13.5	★	○	○	○
CLU703	1202	Φ6.0	13.5×13.5	★	○	○	○
CLU713	1204	Φ8.5	19.0×19.0	★	○	○	○

Note : "★" indicate that optional color line up. Please contact our sales team if you are considering ordering the color which is except for standard line up.

Standard COB Series Version.9 UQ

Package	Die Configuration	LES Diameter Size (mm)	Package Outline Size (mm)	CRI 97 Typ.			
				2700K	3000K	3500K	4000K
CLU02Q	1203/1204	Φ9.8	13.5x13.5	★	○	○	○
CLU03Q	1208	Φ14.5	19.0x19.0	★	○	○	○

Note : "★" indicate that optional color line up. Please contact our sales team if you are considering ordering the color which is except for standard line up.

Representative specifications

High Intensity COB series Version.4 UQ

(Tj=85C)

Product code	Electro-optical Characteristics								Absolute Maximum Rating
	CRI	CCT	Forward current (mA)	Voltage Typ. (V)	Input power Typ. (W)	Luminous flux Typ. (lm)	Efficacy Typ. (lm/W)	Thermal resistance Rj-c(C/W)	Forward current (mA)
CLU7A3-1201E1-303UQX5	97Typ.	3000K	175	36.5	6.4	618	97	3.4	300
CLU703-1202E1-303UQX5	97Typ.	3000K	350	36.5	12.8	1,241	97	1.7	600
CLU713-1204E1-303UQX5	97Typ.	3000K	700	36.5	25.6	2,522	99	0.95	1,200

Standard COB series Version.9 UQ

(Tj=85C)

Product code	Electro-optical Characteristics								Absolute Maximum Rating
	CRI	CCT	Forward current (mA)	Voltage Typ. (V)	Input power Typ. (W)	Luminous flux Typ. (lm)	Efficacy Typ. (lm/W)	Thermal resistance Rj-c(C/W)	Forward current (mA)
CLU02Q-1203E1-302UQX5	97Typ.	3000K	270	33.8	9.1	1,067	117	1.0	690
CLU02Q-1204E1-302UQX5	97Typ.	3000K	360	33.8	12.2	1,398	115	0.86	920
CLU03Q-1208E1-302UQX5	97Typ.	3000K	720	33.8	24.3	2,833	116	0.48	1,840

Note : Product codes and specifications in this catalogue are subject to change without notice for improvement, and products may be discontinued. We will not be held liable for any damages or costs caused by such change or discontinuation. Please ask our sales team for details of the release date and the latest specifications of each product.

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Website <https://ce.citizen.co.jp/e/>
Sales Network https://ce.citizen.co.jp/productse/sales_network
Requests / Inquiries E-mail : cej-inquiry@ml.citizen.co.jp

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