

CITILED COB Series Type-Y

CITILED High Intensity COB series Ver.4 Type-Y



CLU723

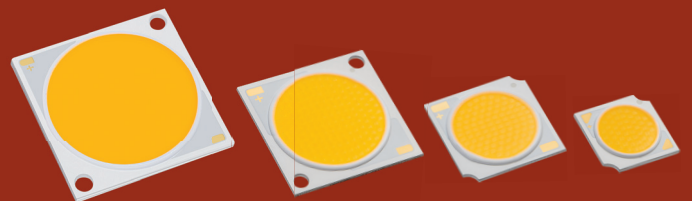
CLU713

CLU703

CLU7A3



CITILED Standard COB series Ver.9 Type-Y



CLU05Q

CLU04Q

CLU03Q

CLU02Q

Revolutionary improved Luminous Efficacy

CITILED COB Type-Y series applied narrow band red phosphor technology (PFS/KSF), achieved higher lm/w compared to conventional series product without sacrificing high color rendering performance. Our special lights offer an improved lighting environment for both commercial and residential spaces.

Industry-standard Package outline and LES size

Type-Y adopts a common platform with Citizen's latest High Intensity COB series Version.4 and Standard COB series Version.9.

Color Variation

High Intensity COB series Version.4 Type-Y

Package	Die Configuration	LES Diameter Size (mm)	Package Outline Size (mm)	90 CRI Min.					90 CRI Min. Below B.B.L.		
				27	30	35	40	50	27	30	35
CLU7A3	0403/1201	Φ4.2	13.5×13.5	○	○	○	○	★	★	○	★
CLU703	1202	Φ6.0	13.5×13.5	○	○	○	○	★	★	○	★
CLU713	1204	Φ8.5	19.0×19.0	○	○	○	○	★	★	○	★
CLU723	1206	Φ11.0	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 Type-Y

Package	Die Configuration	LES Diameter Size (mm)	Package Outline Size (mm)	90 CRI Min.					90 CRI Min. Below B.B.L.		
				27	30	35	40	50	27	30	35
CLU02Q	1201/1202/1203/1204	Φ9.7	13.5×13.5	○	○	○	○	○	○	○	○
CLU03Q	1205/1206/1208	Φ14.5	19.0×19.0	○	○	○	○	○	○	○	○
CLU04Q	1211/1212/1812/1818	Φ22.0	28.0×28.0	○	○	○	○	○	○	○	○
CLU05Q	1825/3618	Φ32.8	38.0×38.0	○	○	○	○	○	○	○	○

Representative specifications

High Intensity COB series Version.4 Type-Y

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)	
CLU7A3-0403E1-303H5Y3	90min.	3,000K	270	11.2	3.0	443	146	3.4	540	
CLU7A3-1201E1-303H5Y3	90min.	3,000K	90	33.6	3.0	443	146	3.4	180	
CLU703-1202E1-303H5Y3	90min.	3,000K	180	33.6	6.0	890	147	1.7	360	
CLU713-1204E1-303H5Y3	90min.	3,000K	360	33.6	12.1	1,799	149	0.95	720	
CLU723-1206E1-303H5Y3	90min.	3,000K	540	33.6	18.1	2,737	151	0.62	1,080	

Standard COB series Version.9 Type-Y

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-1201E1-302H5Y3	90min.	3,000K	90	33.8	3.0	489	161	2.6	160	
CLU02Q-1202E1-302H5Y3	90min.	3,000K	180	33.8	6.1	965	159	1.5	320	
CLU02Q-1203E1-302H5Y3	90min.	3,000K	270	33.8	9.1	1,424	156	1.0	480	
CLU02Q-1204E1-302H5Y3	90min.	3,000K	360	33.8	12.2	1,864	153	0.86	640	
CLU03Q-1205E1-302H5Y3	90min.	3,000K	450	33.8	15.2	2,431	160	0.68	800	
CLU03Q-1206E1-302H5Y3	90min.	3,000K	540	33.8	18.3	2,887	158	0.61	960	
CLU03Q-1208E1-302H5Y3	90min.	3,000K	720	33.8	24.3	3,777	155	0.48	1,280	
CLU04Q-1211E1-302H5Y3	90min.	3,000K	990	33.8	33.5	5,370	160	0.36	1,760	
CLU04Q-1212E1-302H5Y3	90min.	3,000K	1,080	33.8	36.5	5,858	160	0.32	1,920	
CLU04Q-1812E1-302H5Y3	90min.	3,000K	1,080	50.7	54.8	8,574	157	0.24	1,440	
CLU04Q-1818E1-302H5Y3	90min.	3,000K	1,620	50.7	82.1	12,516	152	0.16	2,160	
CLU05Q-1825E1-302H5Y3	90min.	3,000K	2,250	50.7	114.1	17,492	153	0.14	2,750	
CLU05Q-3618E1-302H5Y3	90min.	3,000K	1,620	101.4	164.3	24,892	152	0.10	1,980	

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.

This product may be used only in "Lighting Products". "Lighting Products" shall mean lamps and lighting fixtures which contain LED Package(s) and/or which may contain LED Module(s) that directly or indirectly illuminate any object, area or space. For the sake of clarity, "Lighting Products" exclude information displays utilizing LCD Backlights and other emissive pixel display technology.

Contact

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

CITIZEN ELECTRONICS CO., LTD. shall not be liable for any disadvantages or damages resulting from the use of downloaded data or the impossibility of download and use, responsibility for the cause of lawsuit or any other damages or losses. This data shall be provided as is to users and CITIZEN ELECTRONICS CO., LTD. does not guarantee the absence of error or other defects in this data, conformance of this data to specific purpose, this data or its use will not infringe the right of users or third parties or any other matters. CITIZEN ELECTRONICS CO., LTD. reserves the right to make changes to data without notification.