

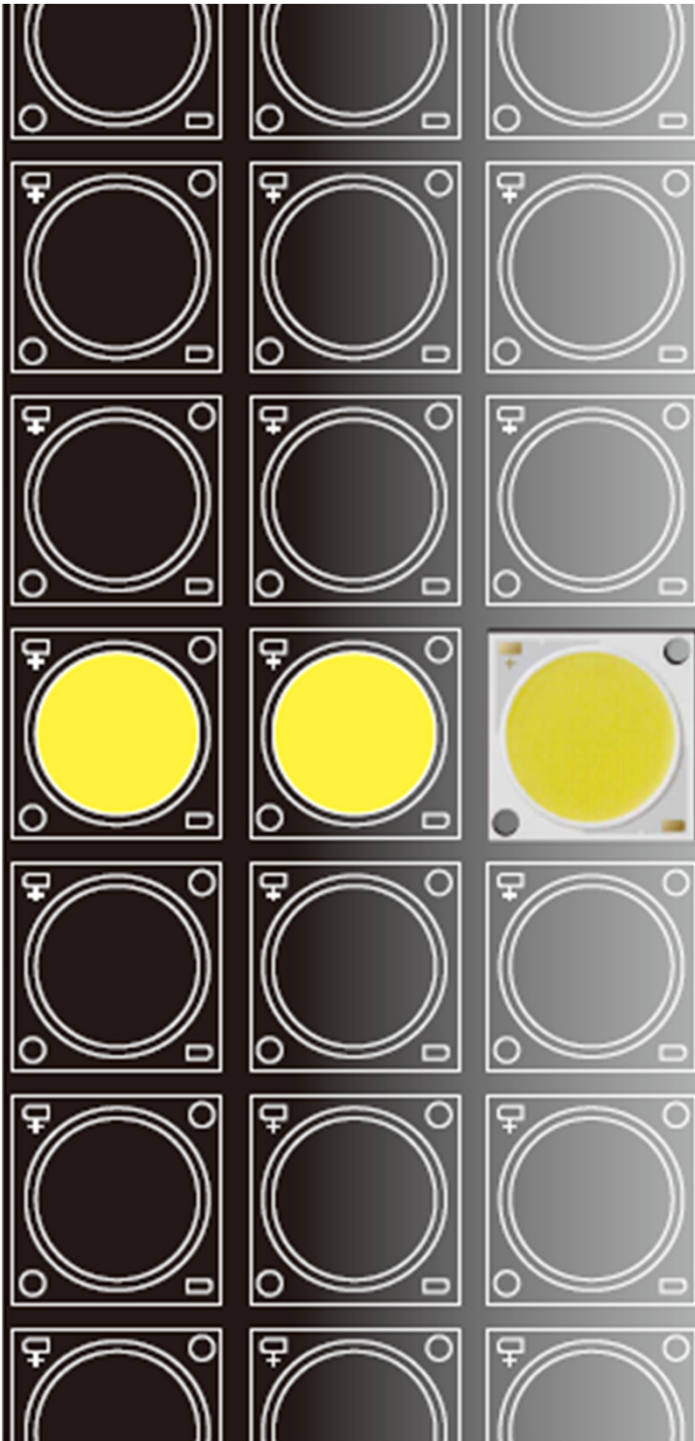
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Technical information update

CONFIDENTIAL

All information and value might be changed or updated later.

This is an uncontrolled drawing provided for reference purposes only. Citizen Electronics Co.,LTD. reserves the right to implement engineering changes and to modify dimensions, design details, and materials as necessary.



Target application

High-masts



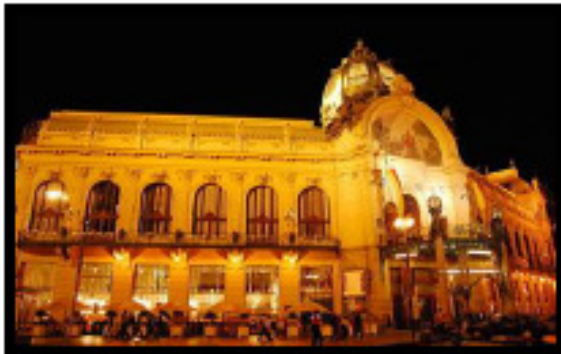
Highway lights



Floodlights



Architectural lighting



Street lights



Lighting in snow-covered regions





Replacement for High Power HPS Lamp

- *Same CCT as HPS Lamp (2200K)
- *Higher CRI compare to HPS (Ra>65)
- *Longer life time compare to HPS (HPS lifetime : 5000 ~ 8000H)

Schedule

Samples	: 7/M
Data sheet	: 7/M
MP	: 9/B
LM-80 6000H	: TBD

Target Market



Street Light
(HPS retro fit)



Landscape/Flood



Port Lighting



Airport/highway
(High mast lighting)

Reference LINE-UPS

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Appearance	 CLU038 Series	 CLU048 Series	 CLU058 Series	 CLU550
Dimensions (mm)	19 × 19	28 × 28	38 × 38	38 × 38
Number of Series-Parallel	12S8P 12S10P	12S12P 18S12P 18S18P	18S25P 36S18P	36S26P
LES Size (mm)	Φ 14.5	Φ 22.0	Φ 32.8	Φ 32.8
Color CCT	2200K (ANSI C78.377 2015)			
Color Rendering Property CRI	65 typ.			

Reference SPEC

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Product Specifications

T_j=85°C

Product	Forward Current (mA)	Voltage typ. (V)	Input power typ. (W)	Luminous flux typ. (lm)	Luminous efficacy typ. (lm/W)	Thermal resistance R _{j-c} (°C/W)
CLU038-1208C4	720	34.6	24.9	(3,495)	140	0.51
CLU038-1210C4	900	34.6	31.1	(4,339)	139	0.42
CLU048-1212C4	1,080	34.6	37.4	(5,422)	145	0.34
CLU048-1812C4	1,080	52.0	56.2	(7,935)	141	0.25
CLU048-1818C4	1,620	52.0	84.2	(11,583)	138	0.17
CLU058-1825C4	2,250	52.0	117.0	(16,961)	145	0.14
CLU058-3618C4	1,620	103.9	168.3	(23,421)	139	0.10
CLU550-3626C4	2,340	103.9	243.1	(32,789)	135	0.07

Thank You