

# CITIZEN RELEASES THEIR CHEAPER ND COOLER VERSION 6 LED LINEUP

Citizen's new "cool" version 6 LED lineup comes with expansive set of improvements over its predecessor. The entire standard product lineup now boast a  $T_c = 120^\circ\text{C}$ , enabling significant improvements in thermal resistances and *heat sink size and cost reduction*. Moreover, Citizen's new AC, modular, and dim-to-warm features allows lighting designers to cater to scalable and niche applications across all industries.

And what about price? Well, they're 10-20% cheaper than Version 5.

Check out their latest lineup below.

## Version 6 Chip on Board (COB Technology)



FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Available in 2700K, 3000K, 4000K, 5000K, 5700K and 6500K; 70, 80, 90, 97 CRI.</li> <li>Power ranges from 3W to 595W.</li> <li>High efficacy up to 200lm/W!</li> <li>Very low thermal resistance up to 0.1°C/W.</li> </ul>	<ul style="list-style-type: none"> <li>Perfect for a wide range of indoor and outdoor applications across the industrial, commercial, retails and hospitality industries.</li> <li>Reduced electricity cost due to lower power consumption and faster payback period.</li> <li>Can use a cheaper, lighter and smaller heat sink enabling a very low cost luminaire.</li> </ul>

Interested?

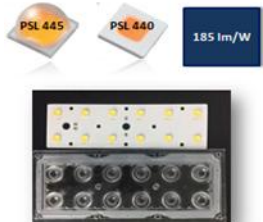
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### CITIZEN VS CREE

$T_c = 80^\circ\text{C}$	CITIZEN	CREE
Part No.	CLU038-1206C4	CXA2520
Max Power (W)	51	47
LED lumens	6200	4282
Max Forward Current (mA)	1380	1250
Max Efficacy (lm/W)	123	91
Max Junction Temperature (°C)	150	140

## Version 6 SMDs



FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Available in 2700K, 3000K, 3500K, 4000K, 5000K, 5700K ;70, 80,90 CRI.</li> <li>Power ranges from 3 to 11W.</li> <li>Size: 6.5 x 6.5 x 4.3mm</li> </ul>	<ul style="list-style-type: none"> <li>Perfect for a wide range of indoor and outdoor applications across the industrial, commercial, retails and hospitality industries.</li> <li>Reduced electricity cost due to lower power consumption and faster payback period.</li> <li>Significantly cooler LEDs enabling virtually no heat sinks.</li> </ul>

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### COMPARISON OF SMDs

$T_c = 80^\circ\text{C}$	CITIZEN	CREE	NICHIA	LUMILEDS
Part No.	PSL445	XHP 35	NVSW219	Luxeon
Power (W)	5	5	5	5
LED lumens	780	708	681	671
Efficacy (lm/W) at 5W	156	141	135	113
Thermal Resistance(°C/W)	2.8	1.8	4.2	3.5

## CSP Module

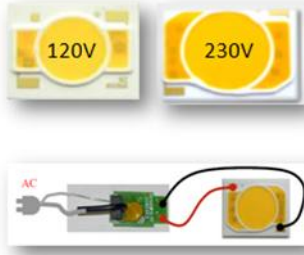


FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Available in 4000K and 5000K; 70,80 CRI.</li> <li>50W modules.</li> <li>Asymmetric and symmetric beam angel from LEDIL (25-78, forward throw, etc).</li> </ul>	<ul style="list-style-type: none"> <li>Perfect for Industrial and street lighting applications.</li> <li>Plug and scale allows for continuous scalability with minimal tooling.</li> <li>Suitable for niche applications including stadium lights.</li> </ul>

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## AC COBs



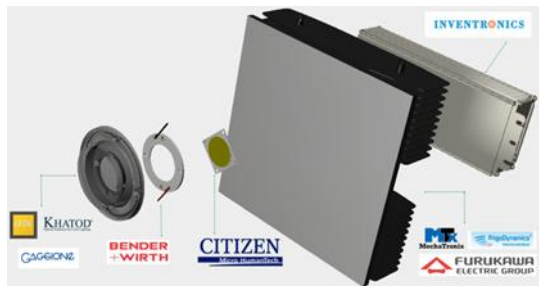
FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>➤ Available in 2700K, 3000K and 4000K; 70 and 80 CRI.</li> <li>➤ Withstanding voltage 1.5kV using a ceramic plate.</li> <li>➤ No drivers needed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Suitable for down lights, track lights and spotlights applications.</li> <li>➤ Improved thermal performance due to less interruption of thermal path.</li> <li>➤ Substantial cost savings by 40%+ using fewer components.</li> </ul>

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## GET THE BUNDLE

We've simulated the perfect mix of LED lighting components to make your product come alive. For all products above, we suggest buying the **full kit** so you can plug in the sample and get started.



Interested?

[Ask for the Kit](#)

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