



PRODUCT CHANGE NOTIFICATION – INTERNAL USE ONLY

Date: June 20th 2012

PCN: PCN LEDIL043

Subject: Product improvement for C11914_TINA2-W lens. Affected assemblies are listed below.

CA11022_TINA2-W
CA12378_TINA2-W
CA12056_TINA2-W
CA12350_TINA2-W
CP12674_TINA2-W
CP12681_TINA2-W

Description: As a part of our continuous improvement process LEDiL has improved the light distribution of C11914_TINA2-W. The comparison chart below shows the result of the improvement on the related assemblies. Please see the detailed spec sheets at www.ledil.com

Part number	LED	Old: FWHM	New: FWHM	Old: Efficiency	New: Efficiency
CA11022_TINA2-W	Nichia NCS19	58	46	85%	88%
	Nichia NVS19	63	58	85%	82%
CA12378_TINA2-W	Osram Oslon Square	60	54	82%	84%
CA12056_TINA2-W & CP12681_TINA2-W	Cree XP-E	44	48	86%	88%
	Cree XP-G	60	57	85%	88%
	Seoul Z5	52	40	85%	89%
CA12350_TINA2-W	Avago Jade	50	51	90%	90%
CP12674_TINA2-W	Cree XB-D	-	39	-	81%

Time line: This Product Change Notification is valid immediately.

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