

# Product/Process Change Notice (PCN)



- Major change  
 Minor change

PCN #: PCN\_WL-SWTX\_20141107  
Product Affected: WL-SWTP 158xxxxxx  
WL-SWTC 1583530xx

- Product Mark  
 Date Code  
 Packaging  
 Others

PCN Date: November 7<sup>th</sup> 2014

Effective Date: November 10<sup>th</sup> 2014

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Attachment:  Yes  No

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## DESCRIPTION AND PURPOSE OF CHANGE:

To adopt industry standards, we changed the test conditions and emphasized the product efficiency.

## DETAIL OF CHANGE:

The products themselves will not be changed, but the typical specifications are defined for other test conditions.

With these changed test conditions we redefined the typical specification parameters, the maximum current and the maximum power dissipation of the products. We increase the typical light output by changing from automatic to manual equipment setup.

All other optical parameters are not affected.

Product	Change of typ. specification conditions and parameters	Increase of absolute maximum current	Increase of typical light output
WL-SWTP 1583012xx	X	-	-
WL-SWTP 1583022xx	-	X	-
WL-SWTP 1585634xx	X	X	-
WL-SWTP 1583530xx	-	-	X

The datasheets are available on our website:

[http://katalog.we-online.de/de/led/browse/Weisse\\_LED/TOP\\_LED\\_W?sid=6f26c45875](http://katalog.we-online.de/de/led/browse/Weisse_LED/TOP_LED_W?sid=6f26c45875).

An example “ Change of typ. specification conditions ”:

Old – part number: 158563460

**D Electrical & Optical Properties:**

Properties	Test conditions		Value			Unit
			min.	typ.	max.	
Chromaticity coordinate X according to CIE 1931	150 mA	$c_x$		0.3233		
Chromaticity coordinate Y according to CIE 1931	150 mA	$c_y$		0.3327		
Luminous Flux	150 mA	$\Phi_V$	48	50		lm
Forward Voltage	150 mA	$V_F$		3.2	3.5	V
Correlated Color Temperature	150 mA	CCT		6000		K
Reverse Current	5 V	$I_{Rev}$			5	$\mu A$
Color Rendering Index	150 mA	CRI		80		
Viewing Angle	150 mA	$2\theta_{50\%}$		120		°

New – part number: 158563460

**D Electrical & Optical Properties:**

Properties	Test conditions		Value			Unit
			min.	typ.	max.	
Chromaticity coordinate X according to CIE 1931	100 mA	$c_x$		0.3233		
Chromaticity coordinate Y according to CIE 1931	100 mA	$c_y$		0.3327		
Luminous Flux	100 mA	$\Phi_V$	30	39		lm
Forward Voltage	100 mA	$V_F$		3.0	3.5	V
Correlated Color Temperature	100 mA	CCT		6000		K
Reverse Current	5 V	$I_{Rev}$			5	$\mu A$
Color Rendering Index	100 mA	CRI	80	85		
Viewing Angle	100 mA	$2\theta_{50\%}$		120		°

**RELIABILITY / QUALIFICATION SUMMARY:**

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**DATA SHEET CHANGE:**

Yes

No

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