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Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F	(V)		hromatic Coordinat		l _v (m	ncd)
			Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.
QBL8IW15C-WW	Warm White	20	3.1	3.6	-	X=0.43 Y=0.395	-	18000	23000
QBL8IW15C-NW	Natural White	20	3.1	3.6	-	X=0.335 Y=0.325	-	14000	23000
QBL8IW15C-CW	Cool White	20	3.1	3.6	-	X=0.28 Y=0.28	-	14000	23000

Absolute Maximum Rating

Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	Т _{оР} (°С)	Т _{sт} (°С)	T _{SOL} (°C)**
InGaN	95	25	100	5	-40 to +85	-40 to +100	260

*Pulse width 0.1msec, duty 1/10

**Wave Soldering for no more than 3 sec @ 260 $^{\circ}\text{C}$

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CIE Chromaticity Diagram



	Ι		
Х	Y		
0.421	0.401		
0.45	0.417		
0.436	0.389		
0.409	0.373		
0.421	0.401		

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F		
Х	Y	
0.323	0.33	
0.345	0.351	
0.343	0.329	
0.324	0.31	
0.323	0.33	

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С		
Х	Y	
0.264	0.269	
0.273	0.258	
0.291	0.284	
0.285	0.3	
0.264	0.269	

Tolerance of measurement of color coordinates: ±0.01

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Characteristic Curves



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Ordering Information

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Part #	Orderable Part #	Spec Range	Quantity per bag
QBL8IW15C-WW	QBL8IW15C-WW	Iv=23000mcd typ. @ 20mA, CCT Coordinate : (0.43, 0.395) typ.	500pcs
QBL8IW15C-NW	QBL8IW15C-NW	Iv=23000mcd typ. @ 20mA, CCT Coordinate : (0.335, 0.325) typ.	500pcs
QBL8IW15C-CW	QBL8IW15C-CW	Iv=2300mcd typ. @ 20mA, CCT Coordinate : (0.28, 0.28) typ.	500pcs

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Revision History

Description:	Revision #	Revision Date
New Release of QBL8IW15C-XX	V1.0	01/31/2018
Update Warm White CIE Chromaticity Diagram	V1.1	11/28/2018

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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