# QT BRIGHTEK

# PRODUCT CHANGE NOTIFICATION

PRODUCT CHANGE NOTIFICATION				
PCN No.:	10051	Date of Issue:	2017/02/03	
Title of Change:	Optical Power (Brightness) Improvement	PCN Effective Date:	2017/02/03	
Type of Change:	Type of Change:         Data sheet spec update		N/A	
Change Description:	Add extra radiometric power bin to show optical power improvement	Last Time Ship Date:	N/A	
Reason for Change:	Optical power (brightness) increased due to improved chip efficieny and performance			
Date Code Identification	QBHP684E-UV series shipped AFTER 2/09/2017. (Date Code: 170209) will follow the new radiometric power bins			
Effect of Change on Product Fit, Form, or Function	Fit: Remains Unchanged, Form: Remains Unchanged, Funchion: Unchanged			
	Reference To Change Types:	-		
	Acquisition (Complete)     Acquisition (Partial)     Fabrication Site Change / Qualification / Country of Origin / New Subcontractor			
	Obsolescence     Cosmetic Change     Name Change			
	■ Nomenclature Change ■ Reversal			
	<ul> <li>Process Change</li> <li>Design Change / Data Sheet Spec Change</li> <li>Packaging and Media</li> </ul>			
	Storage and Handling Logistics Readman			
	Roadmap     Quality Alert Notifications     Multiple Types			
	Environmental Announcement     New Component or Raw Material Added     Other			
		10/10/2010	Revision	

# AFFECTED PARTS NUMBERS

MPN	Part Name	Replacement Part Number (if any)	
QBHP684E-UV365AS	High Power UV LED 365nm 60deg		
QBHP684E-UV365BS	High Power UV LED 365nm 120deg		
QBHP684E-UV385AS	High Power UV LED 385nm 60deg		
QBHP684E-UV385BS	High Power UV LED 385nm 120deg		
QBHP684E-UV395AS	High Power UV LED 395nm 60deg		
QBHP684E-UV395BS	High Power UV LED 395nm 120deg		
QBHP684E-UV405AS	High Power UV LED 405nm 60deg		
QBHP684E-UV405BS	High Power UV LED 405nm 120deg		

Datasheet Version

Old New

V1.1 V1.2

#### Old

## Radiometric Power Po for UV365S @ IF=500mA

E	Bin	Min.	Max.	Unit
A	A1	300	340	
A	12	340	380	
Α	43	380	420	mW
A	\4	420	460	
A	<b>\</b> 5	460	500	

## Radiometric Power Po for UV385S, UV395S & UV405S @ IF=500mA

Bin	Min.	Max.	Unit
B2	700	740	
B3	740	780	mW
B4	780	820	11100
B5	820	860	

#### New

## Radiometric Power Po for UV365S @ I<sub>F</sub>=500mA

Bin	Min.	Max.	Unit
A4	420	460	
A5	460	500	
A6	500	540	
A7	540	580	mW
A8	580	620	
A9	620	660	
B1	660	700	

#### Radiometric Power Po for UV385S, UV395S & UV405S @ IF=500mA

Bin	Min.	Max.	Unit
B2	700	740	
Bin B2 B3	740	780	
B4	780	820	mW
B5	820	860	]
B6	860	900	
B4 B5 B6 B7	900	1000	