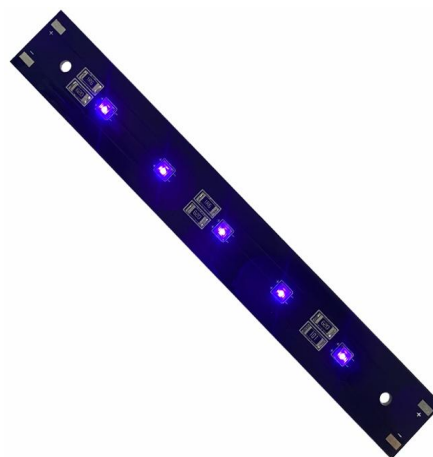


CXST® LM



CXST LM (LED Modules) are Vdc Modules for users to quickly add for various application of disinfection (surface or air treatment). CXST LM Series modules are using high-performance UVC LEDs which is the range of 250-285nm.

CXST also is capable of providing customizable solutions for different applications accordingly.



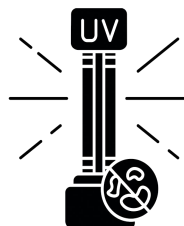
MERCURY FREE
HEALTHY & SAFETY

Using LED light source,
100% environmental materials,
Mercury-free, no worries once broken.



HIGH PERFORMANCE
TOP LEVEL

Inorganic encapsulation,
Certificate approved,
Internation crystal chip.



EFFECTIVENESS
260-280NM

5-132mW/LED is optional,
Integrated solution,
Easy installation.



ONE-STOP SERVICE
CUSTOMIZATION

Professional suggestions,
Customizable solutions,
Trustable & honest partner.

Product Nomenclature

Part Number: ST-POB20

Order Code	Dimensions		Output Voltage	LED QTY	Radiation Output	Output Current
	Diameter	Thickness				
W1V5C1	20mm	2.0mm	5V	1PCS	15-25mW	120mA
W05V9C1	20mm	2.0mm	9V	1PCS	6-10mW	60mA
W1V6C1	20mm	2.0mm	6V	1PCS	18-28mW	150mA
W2V36C4	20mm	2.0mm	36V	4PCS	20-35mW	60mA
W2V18C4	20mm	2.0mm	18V	4PCS	20-35mW	120mA
W4V24C4	20mm	2.0mm	24V	4PCS	80-112mW	150mA
W4V12C4	20mm	2.0mm	12V	4PCS	80-112mW	300mA

Part Number: ST-POB6319

Order Code	Dimensions			Output Voltage	LED QTY	Radiation Output	Output Current
	Length	Width	Thickness				
W3V5C5	63mm	19mm	1.0mm	5V	5PCS	30-50mW	500mA

Part Number: ST-POB14520

Order Code	Dimensions			Output Voltage	LED QTY	Radiation Output	Output Current
	Length	Width	Thickness				
W3V12C5	145mm	20mm	2.0mm	12V	5PCS	25-40mW	300mA
W6V12C6	145mm	20mm	2.0mm	12V	6PCS	100-150mW	420mA

Part Number: ST-POB30020

Order Code	Dimensions			Output Voltage	LED QTY	Radiation Output	Output Current
	Length	Width	Thickness				
W5V12C10	300mm	20mm	2.0mm	12V	10PCS	42-70mW	600mA
W12V12C12	300mm	20mm	2.0mm	12V	12PCS	195-292mW	850mA

Part Number: ST-POB25015

Order Code	Dimensions			Output Voltage	LED QTY	Radiation Output	Output Current
	Length	Width	Thickness				
W18V12C18	250mm	15mm	2.0mm	12V	18PCS	298-380mW	1260mA

Part Number: ST-POB8015


Order Code	Dimensions			Output Voltage	LED QTY	Radiation Output	Output Current
	Length	Width	Thickness				
W8V24C8	80mm	15mm	2.0mm	24V	8PCS	130-168mW	280mA


Part Number: ST-POB16012

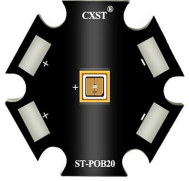
Order Code	Dimensions			Output Voltage	LED QTY	Radiation Output	Output Current
	Length	Width	Thickness				
W24V24C24	160mm	12mm	2.0mm	24V	24PCS	348-480mW	840mA

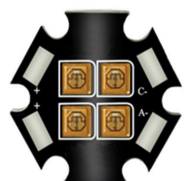
ST-POB20

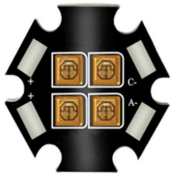
Electrical & Physical Characteristics


Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W1V5C1	Power	W	-	0.6	-		
	Voltage	V	3.7	5	-		
	Current	mA			120		
	Radiation Power	mW	15	-	25		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

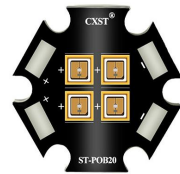
Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W05V9C1	Power	W	0.3	0.5	0.75	UVC	
		W	-	0.2	-	UVA	
	Voltage	V	-	9	11		
	Current	mA	-	-	60		
	Radiation Power	mW	6	8	10	UVC	
	Wavelength	nm	390	395	405	UVA	
			260	275	285	UVC	
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W1V6C1	Power	W	0.6	1	1.05		
	Voltage	V	5	6	7		
	Current	mA			150		
	Radiation Power	mW	18	23	28		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

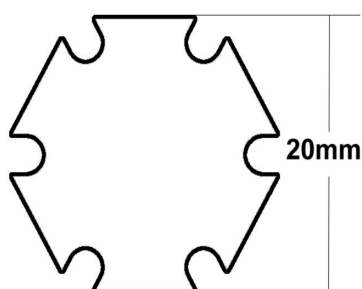
Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W2V36C4	Power	W	1.2	2	-	UVC	
		W	-	0.8	-	UVA	
	Voltage	V	-	36	40		
	Current	mA			60		
	Radiation Power	mW	-	25	35	UVC	
	Wavelength	nm	390	395	405	UVA	
			260	275	285	UVC	
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W2V18C4	Power	W	1.2	2	-	UVC	
		W	-	0.8	-	UVA	
	Voltage	V	-	18	20		
	Current	mA			120		
	Radiation Power	mW	-	25	35	UVC	
	Wavelength	nm	390	395	405	UVA	
			260	275	285	UVC	
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W4V24C4	Power	W	-	4	-		
	Voltage	V	-	24	26		
	Current	mA			150		
	Radiation Power	mW	-	80	112		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

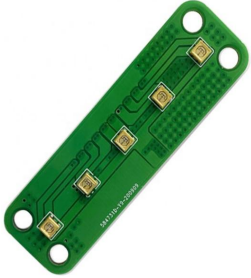
Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W4V12C4	Power	W	-	4	-		
	Voltage	V	-	12	13V		
	Current	mA			300		
	Radiation Power	mW	-	80	112		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Dimensions

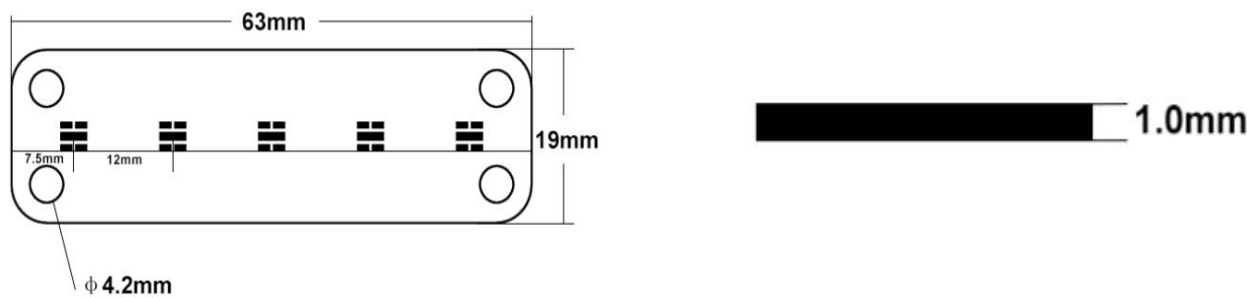


ST-POB6319

Electrical & Physical Characteristics


Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W3V5C5	Power	W	-	2.5	-	UVC	
		W	-	0.4	-	UVA	
	Voltage	V	3.7	5	-		
	Current	mA			500		
	Radiation Power	mW	-	30	50	UVC	
	Wavelength	nm	390	395	405	UVA	
			260	275	285	UVC	
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Dimensions

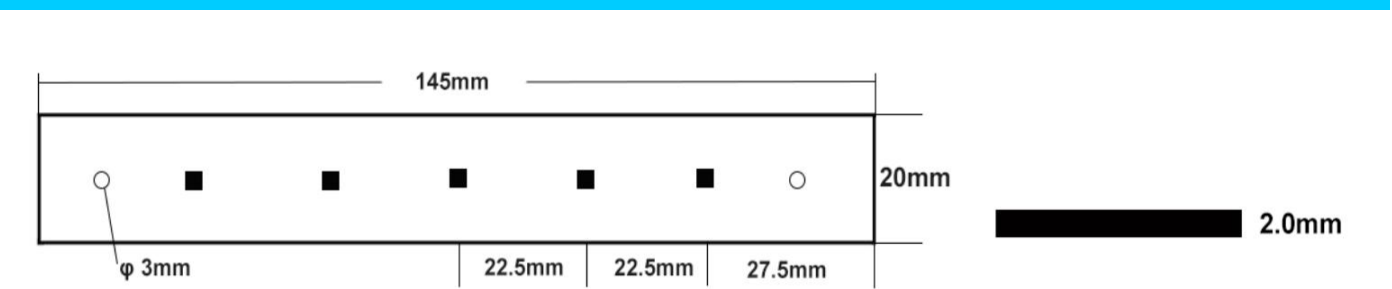



ST-POB14520

Electrical & Physical Characteristics

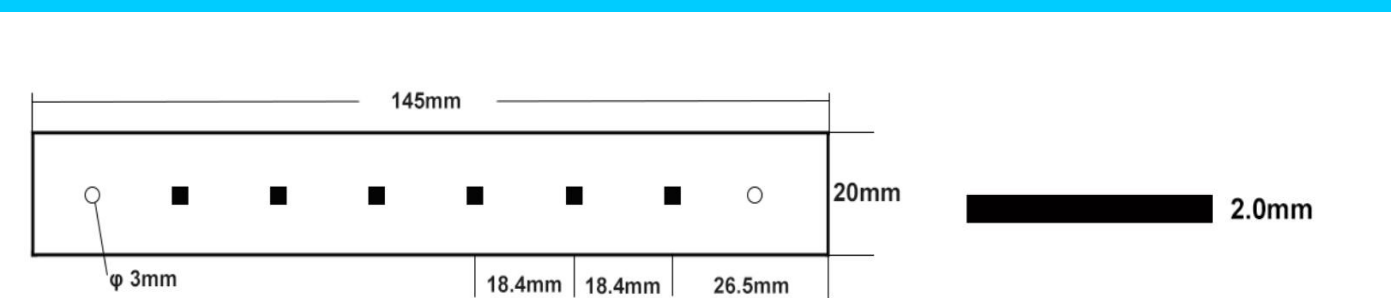
Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W3V12C5	Power	W	-	2.5	-	UVC	
		W	-	1	-	UVA	
	Voltage	V	11.2	12	12.8		
	Current	mA	-	300	-		
	Radiation Power	mW	-	25	40	UVC	
	Wavelength	nm	390	395	405	UVA	
			260	275	285	UVC	
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Dimensions




Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W6V12C6	Power	W	-	6	-		
	Voltage	V	11.2	12	14		
	Current	mA			420		
	Radiation Power	mW	-	108	150		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Dimensions

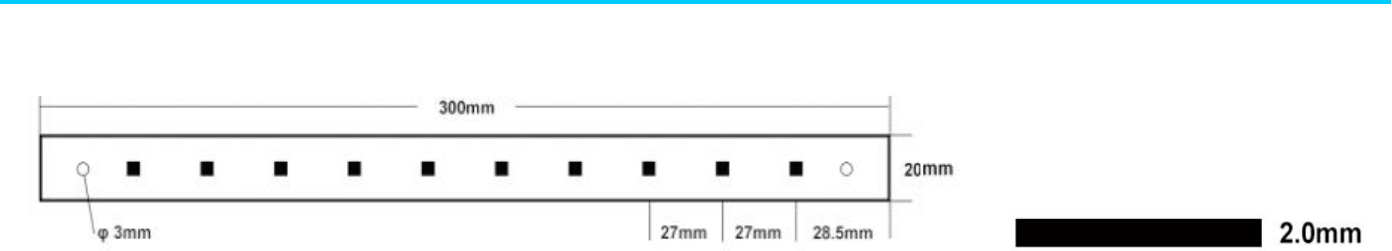



ST-POB30020

Electrical & Physical Characteristics

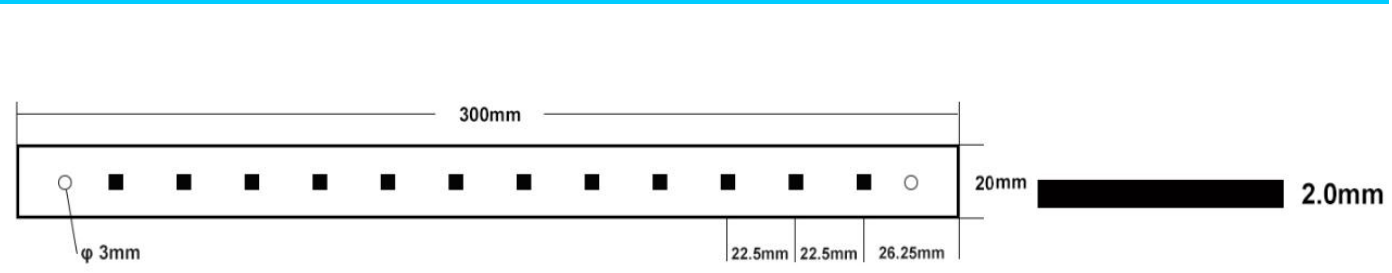
Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W5V12C10	Power	W	-	5	-	UVC	
		W	-	2	-	UVA	
	Voltage	V	11.2	12	12.8		
	Current	mA	-	600	-		
	Radiation Power	mW	-	42	70	UVC	
	Wavelength	nm	390	395	405	UVA	
			260	275	285	UVC	
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Dimensions




Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W12V12C12	Power	W	-	12	-		
	Voltage	V	11.2	12	14		
	Current	mA			850		
	Radiation Power	mW	-	195	292		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

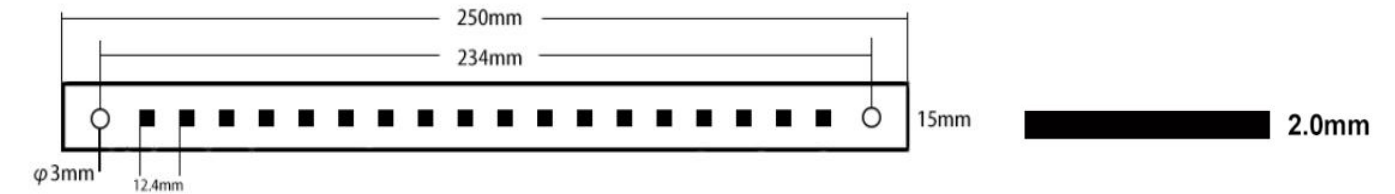
Dimensions




ST-POB25015

Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W18V12C18	Power	W	-	18	-		
	Voltage	V	11.2	12	14		
	Current	mA			1260		
	Radiation Power	mW	298	-	380		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

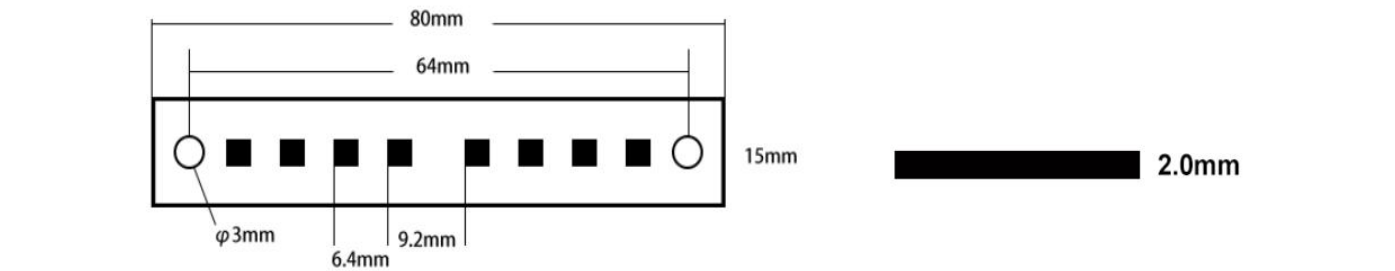
Dimensions



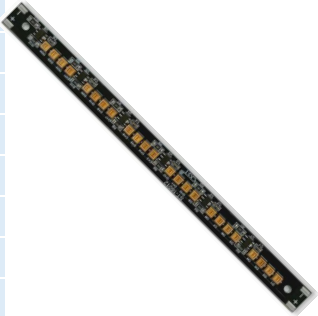
ST-POB8015

Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W8V24C8	Power	W	-	8	-		
	Voltage	V	23.2	24	26		
	Current	mA			280		
	Radiation Power	mW	130	-	168		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

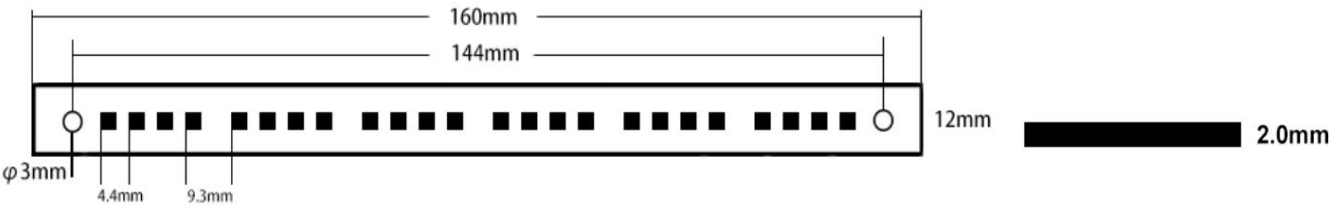
Dimensions



ST-POB16012

Order Code	Characteristic	Unit	Min.	Typical	Max.	Note	Photo
W24V24C24	Power	W	-	24	-		
	Voltage	V	23.2	24	26		
	Current	mA			840		
	Radiation Power	mW	348	-	480		
	Wavelength	nm	260	275	285		
	Working Temperature	°C	5	-	50		
	Storage Temperature		-10	-	80		
	Relative Humidity	%	40	-	75		

Dimensions



Handling Precautions

- ☑ LEDs are ESD(electrostatic discharge) sensitive, static electricity and surge voltages seriously damage UV LEDs and can result in product failure.
 - Ensure that tool, jigs and machines being used are properly grounded,
 - LED mounting equipment should include protection against voltage surge,
 - Use proper ESD protection, including grounded wrist straps, ESD footwear and clothes.
- ☑ Do not use adhesives that outgas organic vapor
- ☑ Dropping the product may cause damage
- ☑ If handling the product with tweezers, use only the side of the package and be careful not to apply excessive force
- ☑ Proper thermal management is required to prevent warpage and damage to the modules and its components
 - Do not apply mechanical force or excess vibration during handling or normal operation.

Eye Safety Guidelines

During operation, the LED emits high intensity ultraviolet (UV) light, which is harmful to skin and eyes. UV light is hazardous to skin and may cause cancer. Please avoid exposure to UV light when LED is operational. Precautions must be taken to avoid looking directly at the UV light without the use of UV light protective glasses.

Do not look directly at the front of the LED or at the LED's lens when LED is operational.

Attach warning labels on products/systems that use UV LEDs.

DISCLAIMER

The specifications, characteristics, and technical data presented in this datasheet are subject to change without prior notice. It is recommended that the most updated specifications, characteristics, and technical data be used in your application.

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Each user must identify and perform all tests and analyses necessary to ensure that its finished application incorporating CXST products will be safe and suitable for use under end-use conditions. Each user of devices assumes full responsibility to become educated in and to protect from harmful irradiation. CXST (SANTANG LIGHTING) specifically disclaims any and all liability for harm arising from buyer's use or misuse of UVC devices either in development or end-use.

CXST®
UV LED SOLUTIONS

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