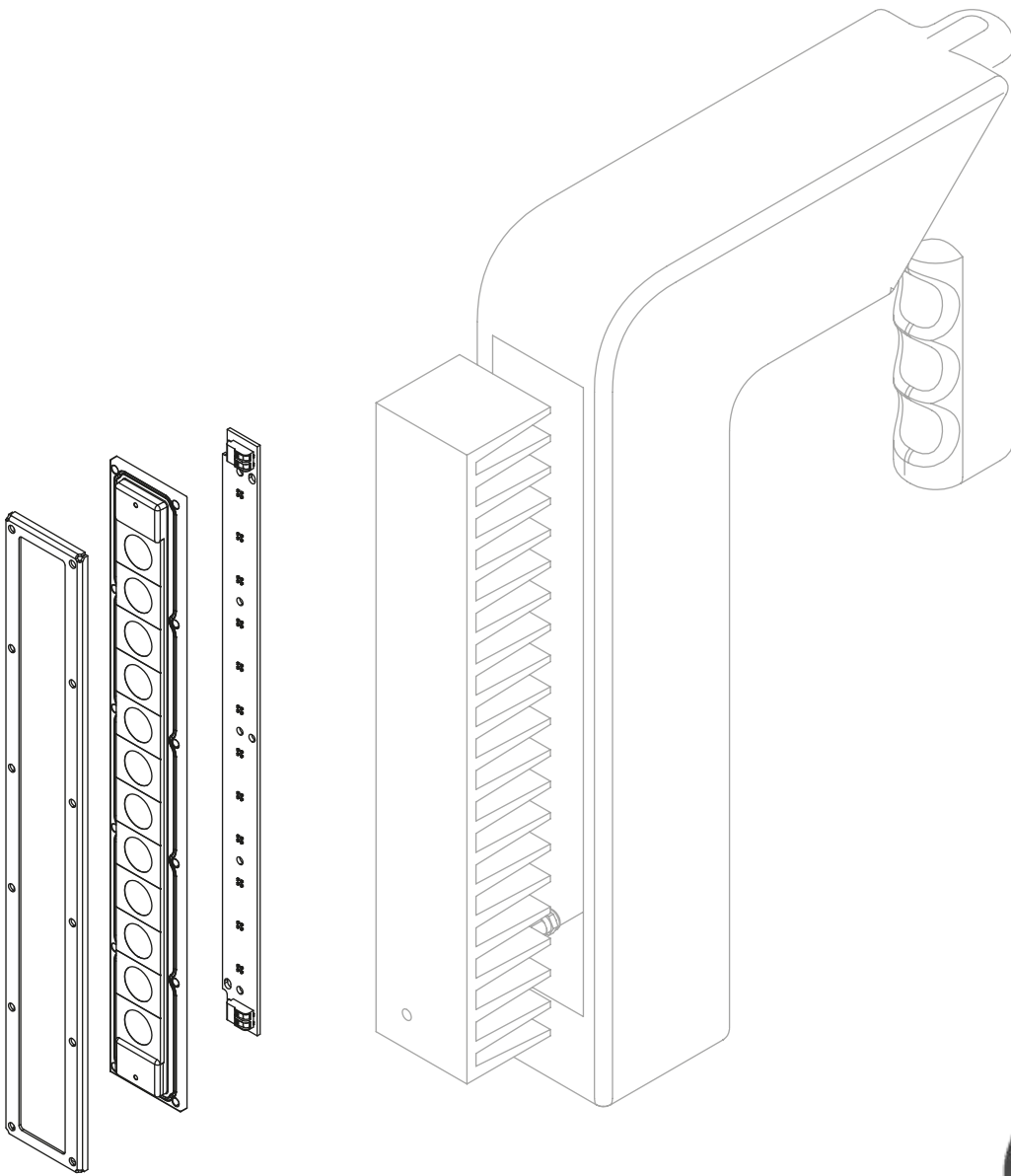


Special**RED**

UV lighting solutions



SpecialRED

35mm spot module, 275nm UVC LED | R5645

DATASHEET



Features

- Wavelength: 275nm;
- PCB diameter: 35mm;
- Up to 150 mW Radiant Flux;
- Max Electrical Insulation 250V;
- Connection type: WAGO 2059 series 1 pole;
- Lifetime >20000h typ.

Applications



Safety advices

Some LED UV products emit ultraviolet light (<400nm).

Don't look at operating LEDs.

Eye injury may result. Use necessary skin and eyes protection.

Assume IEC62471 Risk Group 3.

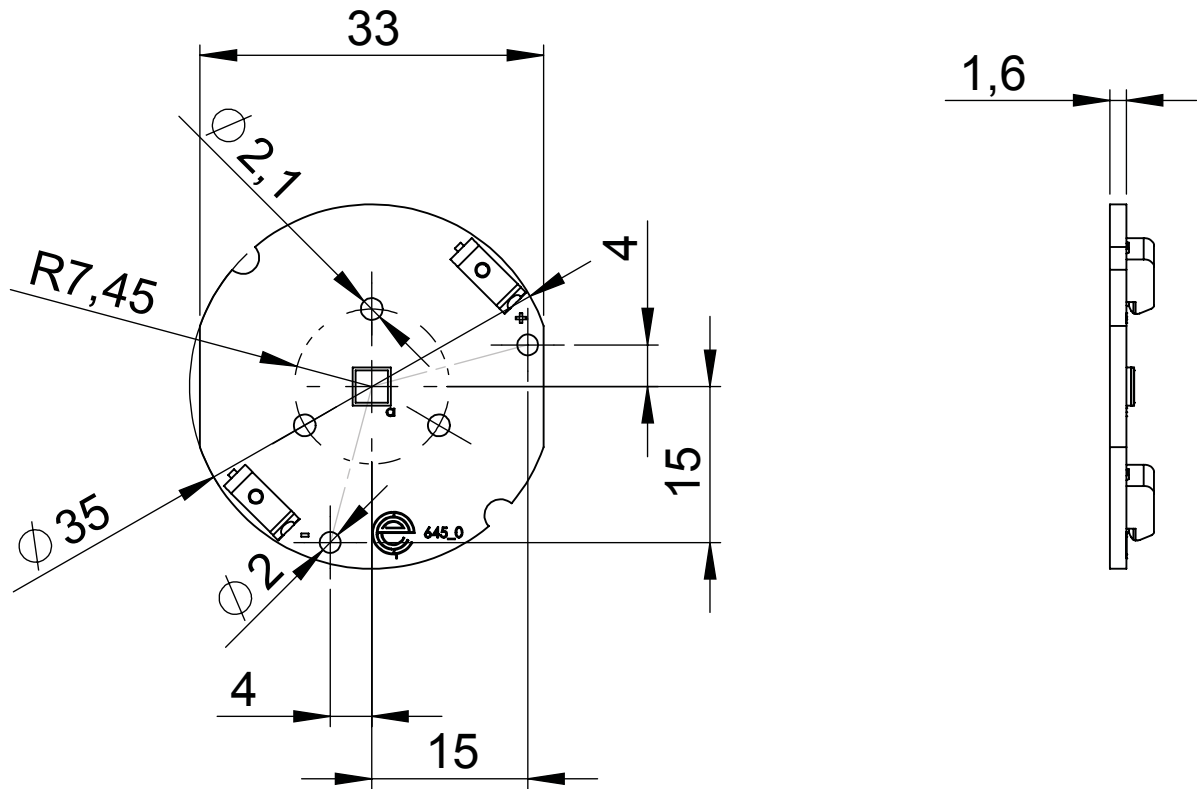


Code	Power class	Vf LED	Current [mA]	Power [W]	Radiant Flux [mW]
R564500UVC01GB	GB-PA	6,2	100	0,62	10
R564500UVC01GT	GT-PA		150	0,93	20
R564500UVC01GM	GM-PA		250	1,55	35
R564500UVC01GZ	GZ		350	2,17	50
R564500UVC01GH	GH-PA		600	4,02	150

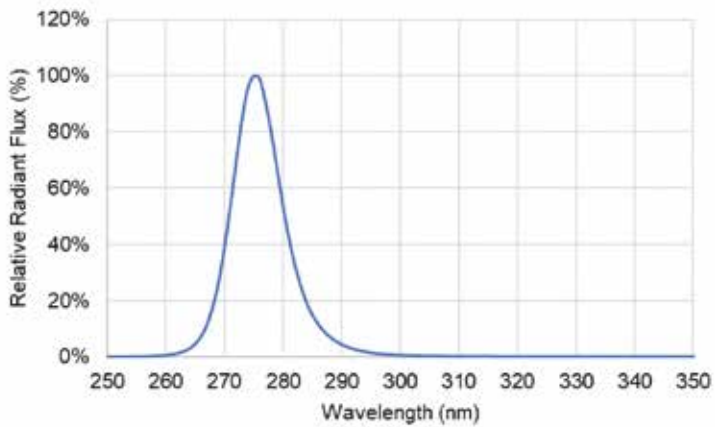
SpecialRED

35mm spot module, 275nm UVC LED | R5645

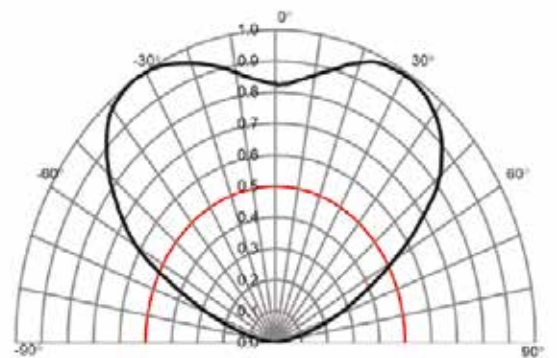
Mechanical drawing



Relative spectral distribution



Radiation characteristics



SpecialRED

UVC linear LED module for Violet lens | R5723

DATASHEET



Features

- PCB dimension: 280x20mm;
- Up to 800mW;
- Peak Wavelength 270-280nm
308/310/325nm UVB available on request;
- CC & CV solution;
- Connection type: 2060;
- Long life referred to the operation condition;
- LED Indicator module on;
- Customizable current/power.

Applications



Safety advices

Some LED UV products emit ultraviolet light (<400nm).
Don't look at operating LEDs.
Eye injury may result. Use necessary skin and eyes protection.
Assume IEC62471 Risk Group 3.

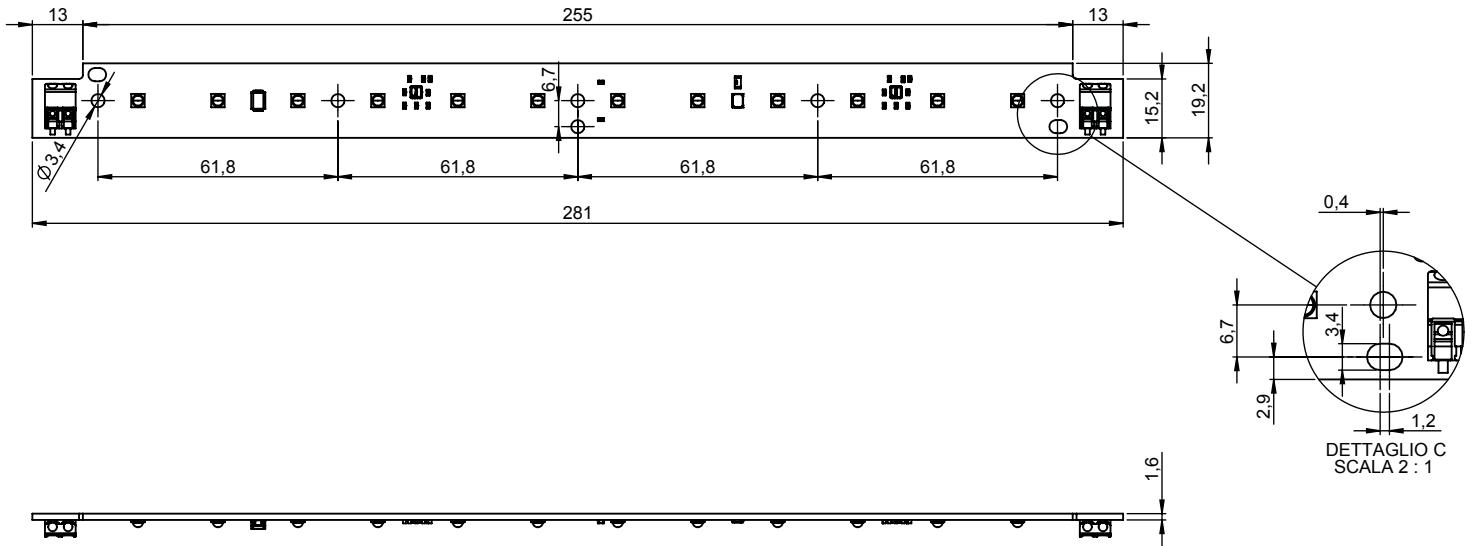


Code	Power class	Vf LED	LED Current [mA]	Voltage [V]	Power [W]	LED Radiant Flux [mW]	Radiant Flux [mW]
R572300UVC01GB	GB-PA	6,2	100 (x4)	24V - CV	9,6	10	120
				18,6V - CC	7,4		
R572300UVC01GT	GT-PA		24V - CV	14,4	20	250	
			18,6V - CC	11,1			
R572300UVC01GM	GM-PA		24V - CV	24	35	400	
			18,6V - CC	18,5			
R572300UVC01GZ	GZ		24V - CV	33,6	50	560	
			18,6V - CC	25,9			

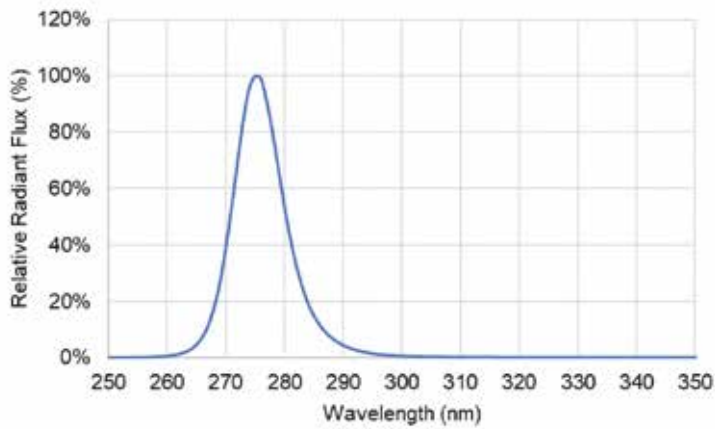
SpecialRED

UVC linear LED module for Violet lens | R5723

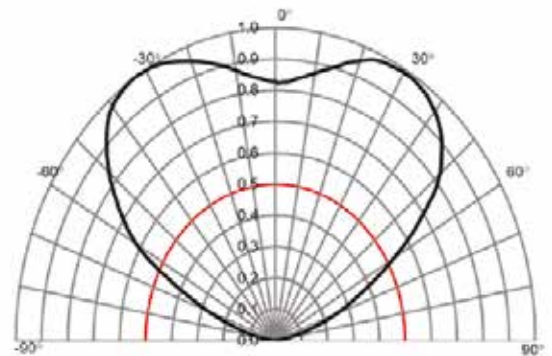
Mechanical drawing



Relative spectral distribution



Radiation characteristics



Accessories



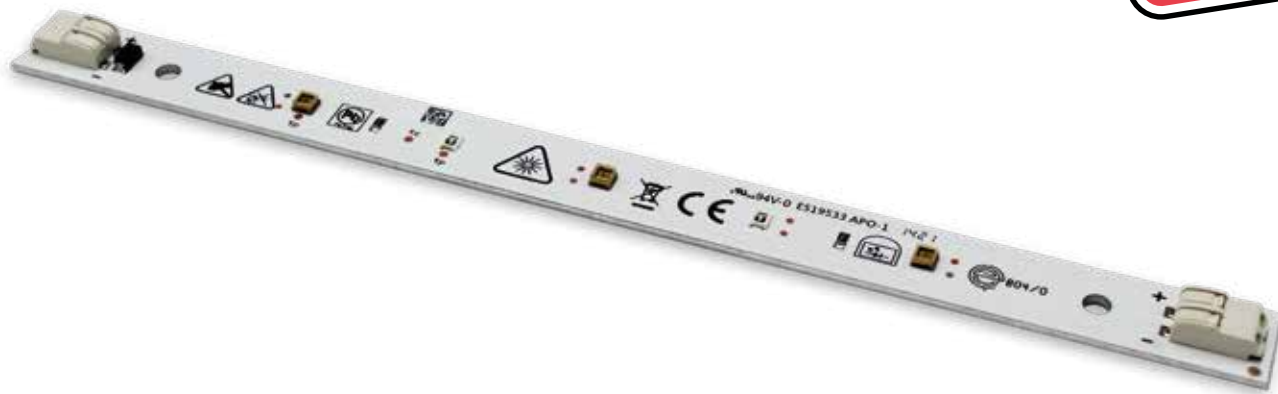
SpecialRED

200x15mm module, 3 UVC LEDs + 2 blue LEDs | R5804

DATASHEET



NEW



Features

- PCB dimension: 200x15mm;
- Up to 150mW on request;
- Peak Wavelength 275nm;
- Connection type: Wago 2060 series 2 poles;
- Both CC and CV versions available;
- LED blue indicator module on;
- Customizable current/power;
- Lifetime: please refer to the operation condition.

Applications



Safety advices

Some LED UV products emit ultraviolet light (<400nm).
Don't look at operating LEDs.
Eye injury may result. Use necessary skin and eyes protection.
Assume IEC62471 Risk Group 3.



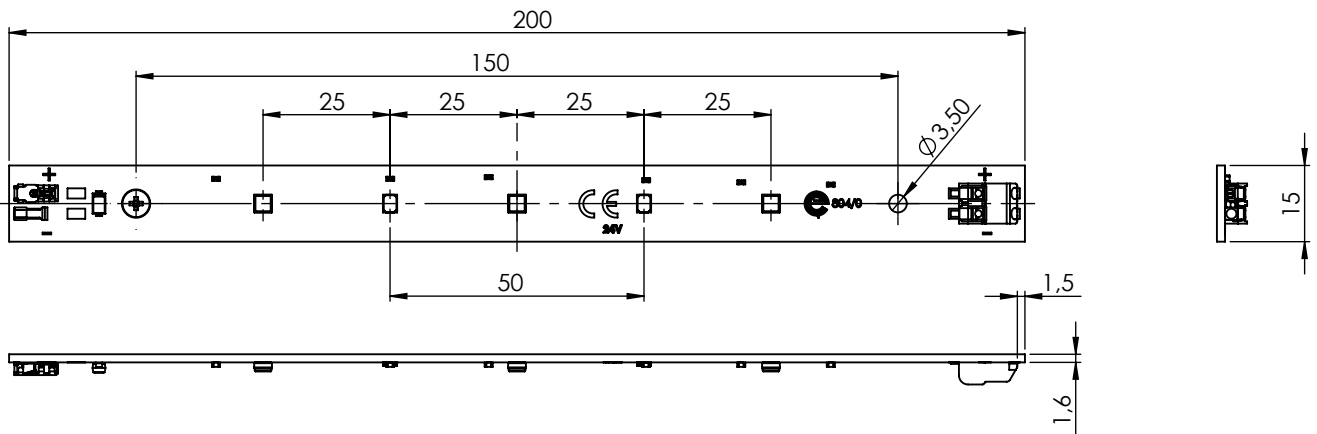
Code	Power class	Vf LED	Current [mA]	Voltage [V]	Power [W]	LED Radiant Flux [mW]	Radiant Flux [mW]
R580401UVC01GC/GB-PA	GB-PA	6,7	100	24 - CV	2,4	10÷12	30÷36
				22,50V - CC (option)	2,25		
R580401UVC01GR/GT-PA	GT-PA	6,4	100	24 - CV	2,4	10÷12	30÷36
				22,20V - CC (option)	2,2		
R580401UVC02GR/GT-PA	GM-PA	6,5	150	24 - CV	3,6	19÷22	57÷66
				22,50V - CC (option)	3,4		



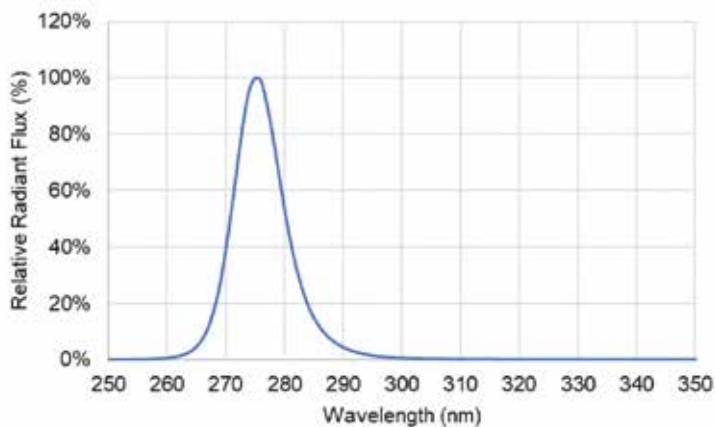
SpecialRED

200x15mm module, 3 UVC LEDs + 2 blue LEDs | R5804

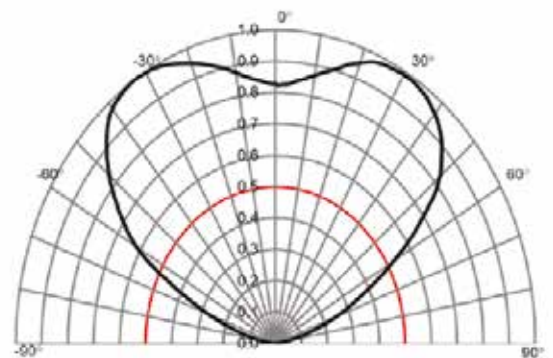
Mechanical drawing



Relative spectral distribution



Radiation characteristics



SpecialRED

400x15mm module, 6 UVC LEDs + 4 blue LEDs | R5847

DATASHEET



Features

- PCB dimension: 400x15mm;
- Up to 150mW on request;
- Peak Wavelength 275nm;
- Connection type: AVX 2060 series 70-9296;
- Both CC and CV versions available;
- LED indicator module on;
- Customizable current/power;
- Lifetime: please refer to the operation condition.

Applications



Safety advices

Some LED UV products emit ultraviolet light (<400nm).

Don't look at operating LEDs.

Eye injury may result. Use necessary skin and eyes protection.

Assume IEC62471 Risk Group 3.



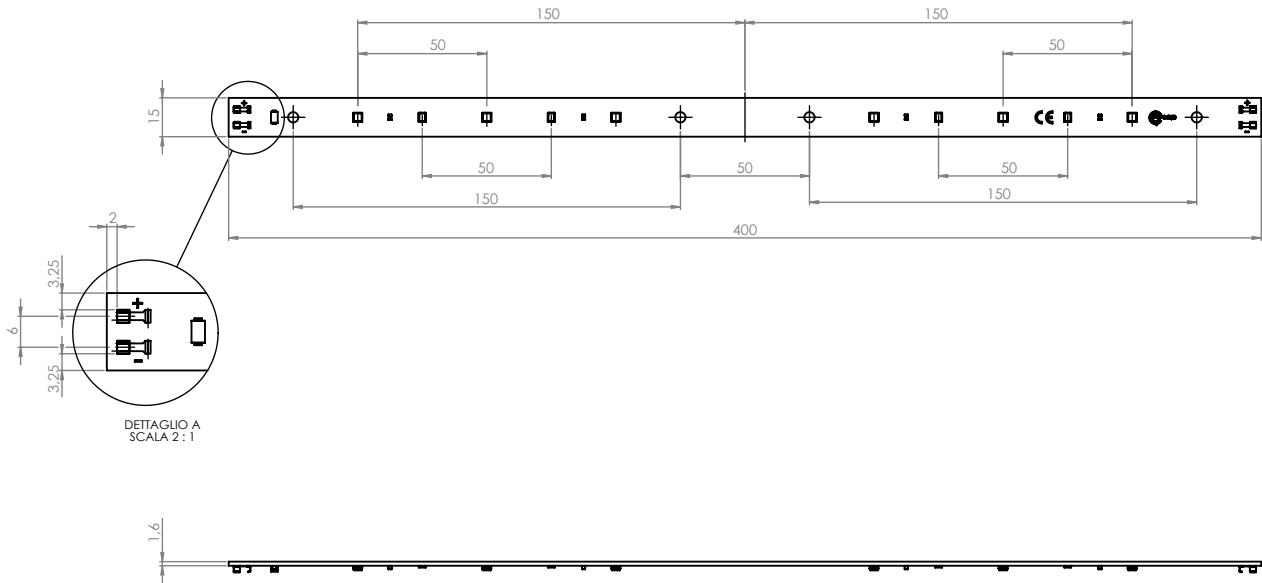
Code	Power class	Vf LED	Current [mA]	Voltage [V]	Power [W]	LED Radiant Flux [mW]	Radiant Flux [mW]
R58470IUVC01GC/GB-PA	GB-PA	6,7	200	24 - CV	4,8	10÷12	60÷72
				22,50V - CC (option)	4,5		
R58470IUVC01GR/GT-PA	GT-PA	6,4	200	24 - CV	4,8	10÷12	60÷72
				22,20V - CC (option)	4,4		
R58470IUVC02GR/GT-PA	GT-PA	6,5	300	24 - CV	7,2	19÷22	114÷132
				22,50V - CC (option)	6,8		



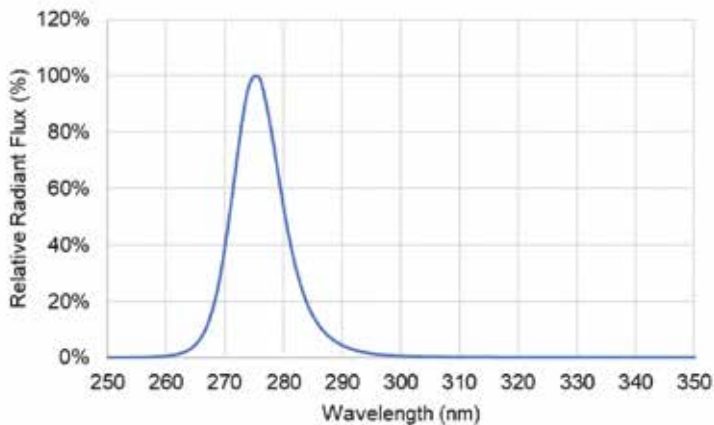
SpecialRED

400x15mm module, 6 UVC LEDs + 4 blue LEDs | R5847

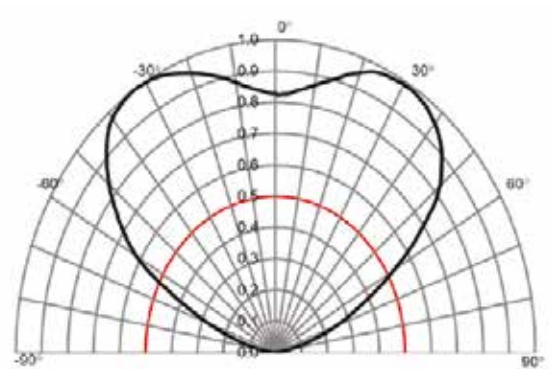
Mechanical drawing



Relative spectral distribution



Radiation characteristics



SpecialRED

275nm±5 24Vdc UVC LED strip

DATASHEET



Features

- Available options;
 - 12 LED/m – PCB 8mm
 - 30 LED/m – PCB 8mm
- 24 Vdc;
- Wavelength: 275nm ±5;
- Lifetime >15,000 hrs 60%;
- Top 45°C max;
- IP20;
- Up to 240mW/m UVC.

Applications



Safety advices

Some LED UV products emit ultraviolet light (<400nm).

Don't look at operating LEDs.
Eye injury may result. Use necessary skin and eyes protection.

Assume IEC62471 Risk Group 3.



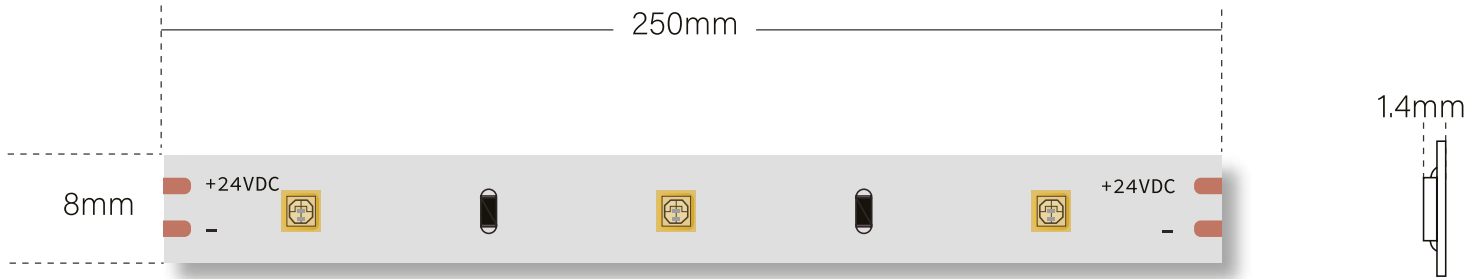
Code	Wavelength	Voltage [V]	LED/m	LED	Power/m [W]	mW/m	mW/LED
U7UVC04BF250N0	275nm	24Vdc	12	URP	3,8	30	2mW
U7UVC11GF250N0			30		11	75	
U7UVC06BF250N0			12	URT	6	96	8mW
U7UVC15GF250N0			30		15	240	
Customization option available	275nm + special wavelength						



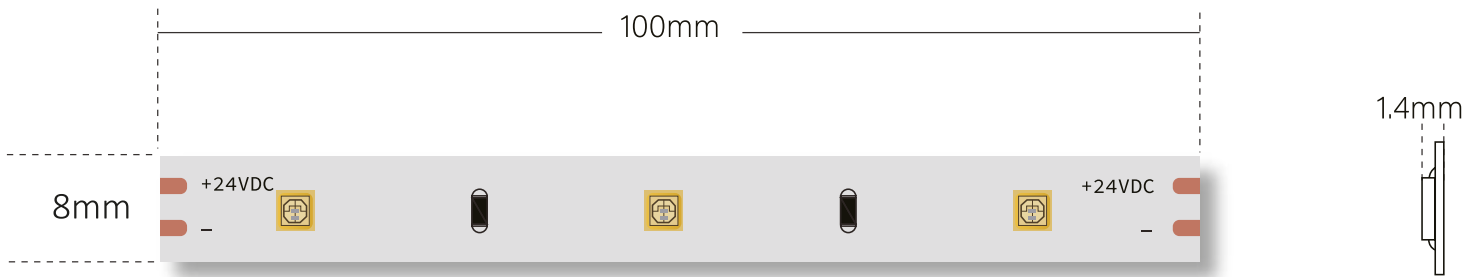
SpecialRED

275nm±5 24Vdc UVC LED strip

Drawing - 12 LED/m



Drawing - 30 LED/m



Relative spectral distribution

