

Ultraviolet Lightsource Test Report

Report No: 115

Test Time: 2023-11-13 11:37:15

Category: PRODCY INFORMATION

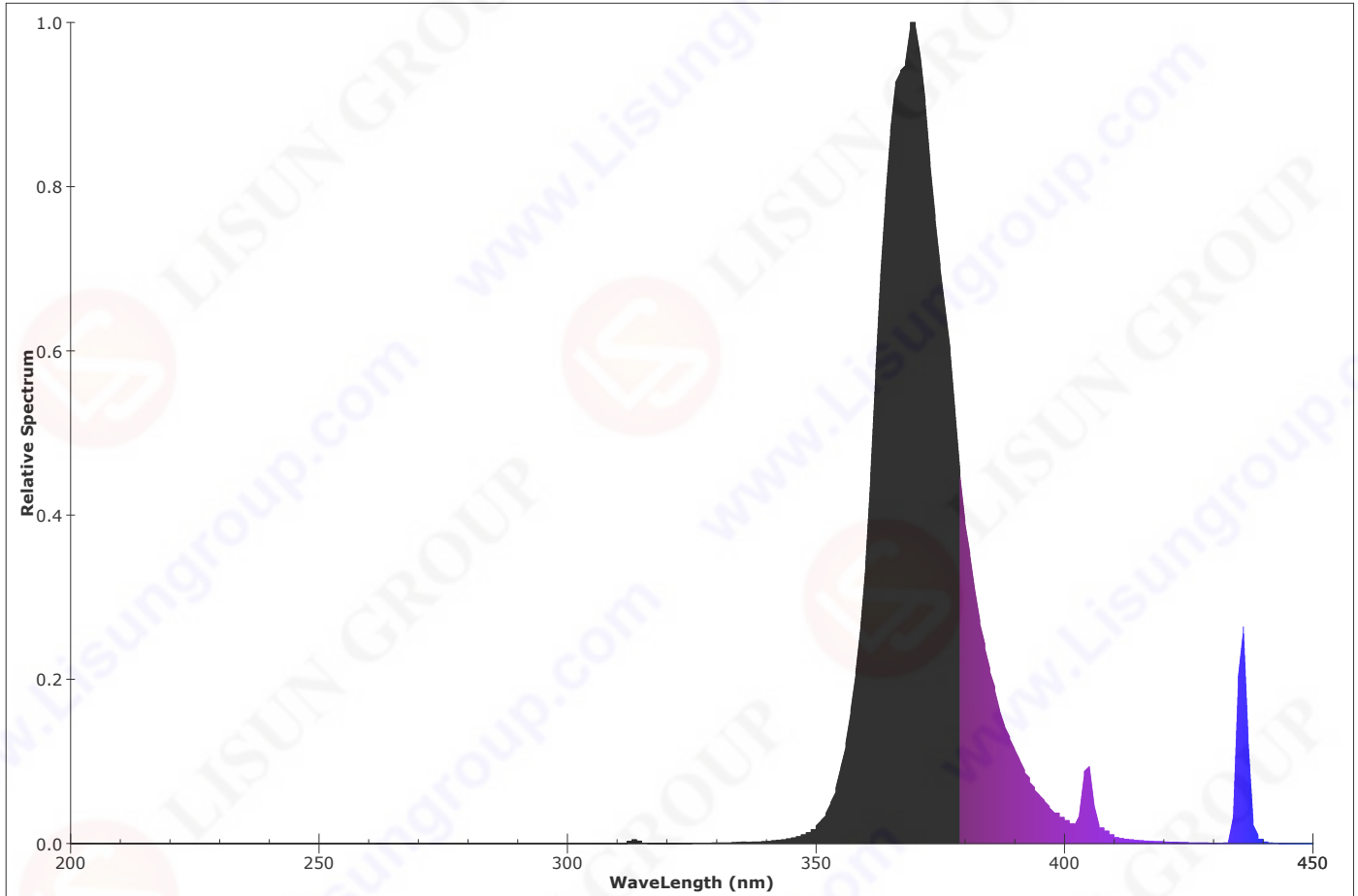
Type: TMS018/II8

Spec: UVA

Number: 115

Manufacturer: PHILIPS

Submitter: Philips Lighting



Spectral Radiance Parameters

Peak Wavelength (λ_p): 369.4 nm Half Width ($\Delta\lambda$): 16.9 nm Centroid Wavelength (λ_c): 374.0 nm
 Ee (UVA): 7.377E-01 W/m² Ee (UVB): 4.356E-04 W/m² Ee (UVC): 0.000E+00 W/m²
 UV Irradiance (Ee,uv): 7.381E-01 W/m² UV Radiation Efficiency (η_{uv}): 3.690E-02 W/m²/W
 Irradiance (Ee): 7.795E-01 W/m²

Electric Parameters

Voltage: 220.040 V Current: 0.1090 A Power: 20.003 W
 Power Factor: 0.8340 Frequency: 50.00 Hz

Diameter of Light Receiving: 78 mm
 Warmup Time: 0
 Spectroradiometer: LMS-9000CUV

Test Distance: 1 mm
 Integration Time: 3 ms
 Digital Power Meter:

Photometric Method: spectroradiometer
 Peak of Signal: 38526
 Power Source: Not Installed

Test Lab: Lisun Instruments Limited
 Operator: Jacky

Testing Environment: Ts:25.8°C, Ta:16.1°C,65%
 Approver:

Spectral Power Distribution Data

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WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
200	0.0000	0.0000	285	0.0000	0.0000	370	1.0000	38.3756
205	0.0000	0.0000	290	0.0000	0.0000	375	0.7026	26.9611
210	0.0000	0.0000	295	0.0000	0.0000	380	0.3909	15.0006
215	0.0000	0.0000	300	0.0000	0.0000	385	0.2098	8.0517
220	0.0000	0.0000	305	0.0000	0.0000	390	0.1144	4.3909
225	0.0000	0.0000	310	0.0000	0.0000	395	0.0589	2.2604
230	0.0000	0.0000	315	0.0007	0.0285	400	0.0283	1.0848
235	0.0000	0.0000	320	0.0001	0.0044	405	0.0943	3.6186
240	0.0000	0.0000	325	0.0004	0.0153	410	0.0073	0.2812
245	0.0000	0.0000	330	0.0008	0.0316	415	0.0036	0.1379
250	0.0000	0.0000	335	0.0019	0.0746	420	0.0021	0.0805
255	0.0000	0.0000	340	0.0030	0.1161	425	0.0011	0.0432
260	0.0000	0.0000	345	0.0071	0.2714	430	0.0007	0.0273
265	0.0000	0.0000	350	0.0219	0.8389	435	0.2055	7.8843
270	0.0000	0.0000	355	0.0940	3.6087	440	0.0022	0.0844
275	0.0000	0.0000	360	0.3462	13.2843	445	0.0000	0.0000
280	0.0000	0.0000	365	0.8747	33.5673	450	0.0000	0.0000