

Ultraviolet Lightsource Test Report

Report No: 90**Test Time:** 2023-11-09 11:08:45

Category: PRODCY INFORMATION

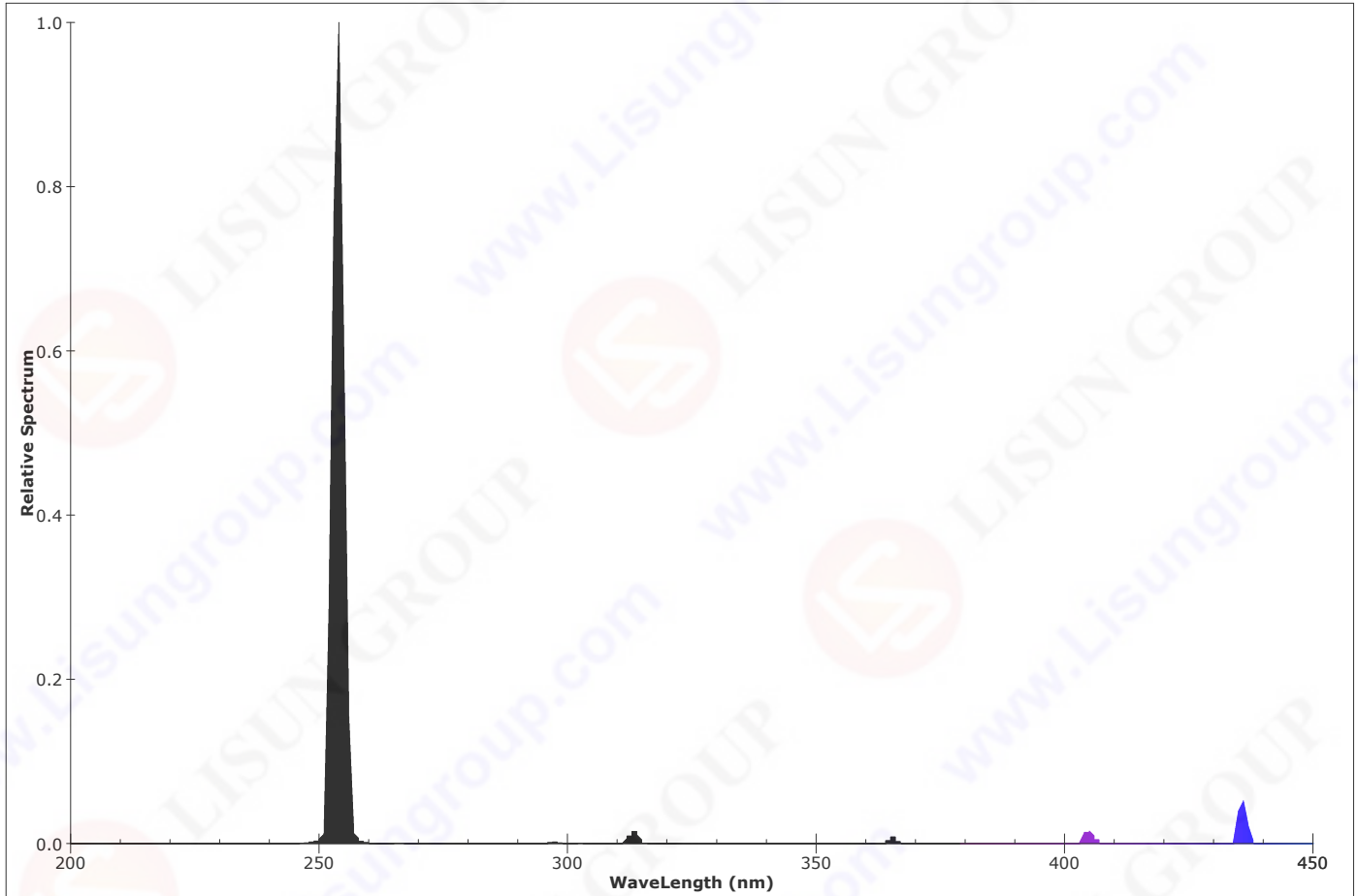
Type: 11W4P SE

Spec: TUV

Number: 90

Manufacturer: PHILIPS

Submitter: Philips Lighting



Spectral Radiance Parameters

Peak Wavelength (λ_p): 253.9 nm Half Width ($\Delta\lambda$): 2.8 nm Centroid Wavelength (λ_c): 263.7 nm
Ee (UVA): 1.429E-03 W/m² Ee (UVB): 3.863E-03 W/m² Ee (UVC): 2.769E-01 W/m²
UV Irradiance (Ee,uv): 2.822E-01 W/m² UV Radiation Efficiency (η_{uv}): 2.476E-02 W/m²/W
Irradiance (Ee): 2.968E-01 W/m²

Electric Parameters

Voltage: 220.120 V Current: 0.1023 A Power: 11.394 W
Power Factor: 0.5060 Frequency: 50.00 Hz

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

Test Distance: 1 mm
Integration Time: 0 ms
Digital Power Meter:

Photometric Method: spectroradiometer
Peak of Signal: 39568
Power Source: Not Installed

Test Lab: Lisun Instruments Limited
Operator: Jacky

Testing Environment: Ts:25.8°C, Ta:23.7°, 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	0.0000	0.0000
205	0.0000	0.0000	290	0.0000	0.0000	375	0.0000	0.0000
210	0.0000	0.0000	295	0.0000	0.0000	380	0.0000	0.0000
215	0.0000	0.0000	300	0.0000	0.0000	385	0.0000	0.0000
220	0.0000	0.0000	305	0.0000	0.0000	390	0.0000	0.0000
225	0.0000	0.0000	310	0.0000	0.0000	395	0.0000	0.0000
230	0.0000	0.0000	315	0.0011	0.0649	400	0.0000	0.0000
235	0.0000	0.0000	320	0.0000	0.0000	405	0.0256	1.4995
240	0.0000	0.0000	325	0.0000	0.0000	410	0.0000	0.0000
245	0.0004	0.0239	330	0.0000	0.0000	415	0.0000	0.0000
250	0.0092	0.5395	335	0.0000	0.0000	420	0.0000	0.0000
255	1.0000	58.5746	340	0.0000	0.0000	425	0.0000	0.0000
260	0.0005	0.0267	345	0.0000	0.0000	430	0.0000	0.0000
265	0.0010	0.0588	350	0.0000	0.0000	435	0.0654	3.8297
270	0.0000	0.0000	355	0.0000	0.0000	440	0.0000	0.0000
275	0.0000	0.0000	360	0.0000	0.0000	445	0.0000	0.0000
280	0.0000	0.0000	365	0.0134	0.7863	450	0.0000	0.0000