

Ultraviolet Lightsource Test Report

Report No: 114**Test Time:** 2023-11-13 11:24:55

Category: PRODCY INFORMATION

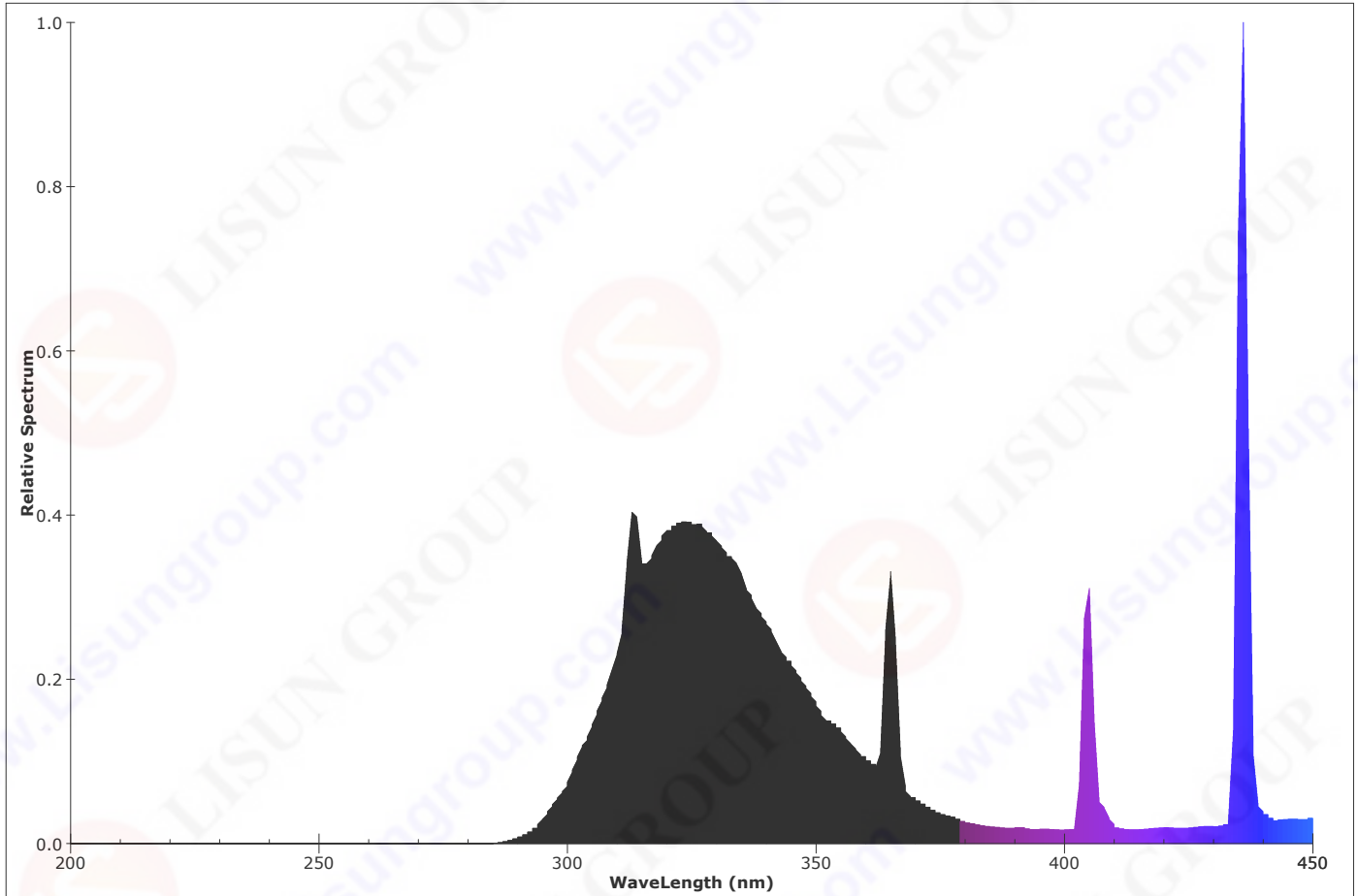
Type: rep-shop T8 12.0

Spec: UVB

Number: 114

Manufacturer: PHILIPS

Submitter: Philips Lighting



Spectral Radiance Parameters

Peak Wavelength (λ_p): 435.8 nmHalf Width ($\Delta\lambda$): 2.4 nmCentroid Wavelength (λ_c): 351.1 nmEe (UVA): 5.341E-02 W/m²Ee (UVB): 1.224E-02 W/m²Ee (UVC): 0.000E+00 W/m²UV Irradiance (Ee,uv): 6.565E-02 W/m²UV Radiation Efficiency (η_{uv}): 6.433E-03 W/m²/WIrradiance (Ee): 8.129E-02 W/m²

Electric Parameters

Voltage: 230.100 V

Current: 0.0840 A

Power: 10.205 W

Power Factor: 0.5280

Frequency: 50.00 Hz

Diameter of Light Receiving: 78 mm

Test Distance: 1 mm

Photometric Method: spectroradiometer

Warmup Time: 0

Integration Time: 20 ms

Peak of Signal: 28443

Spectroradiometer: LMS-9000CUV

Digital Power Meter:

Power Source: Not Installed

Test Lab: Lisun Instruments Limited
Operator: JackyTesting Environment: Ts: 25.8°C, Ta: 16.0°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	0.0008	0.0021	370	0.0697	0.1887
205	0.0000	0.0000	290	0.0110	0.0298	375	0.0472	0.1279
210	0.0000	0.0000	295	0.0400	0.1083	380	0.0339	0.0917
215	0.0000	0.0000	300	0.1006	0.2726	385	0.0273	0.0738
220	0.0000	0.0000	305	0.1947	0.5276	390	0.0262	0.0711
225	0.0000	0.0000	310	0.3105	0.8412	395	0.0236	0.0638
230	0.0000	0.0000	315	0.4563	1.2363	400	0.0227	0.0616
235	0.0000	0.0000	320	0.5108	1.3840	405	0.4166	1.1288
240	0.0000	0.0000	325	0.5203	1.4097	410	0.0254	0.0689
245	0.0000	0.0000	330	0.4931	1.3361	415	0.0229	0.0619
250	0.0000	0.0000	335	0.4386	1.1884	420	0.0258	0.0700
255	0.0000	0.0000	340	0.3572	0.9677	425	0.0256	0.0692
260	0.0000	0.0000	345	0.2900	0.7858	430	0.0277	0.0751
265	0.0000	0.0000	350	0.2240	0.6069	435	1.0000	2.7094
270	0.0000	0.0000	355	0.1822	0.4937	440	0.0474	0.1285
275	0.0000	0.0000	360	0.1351	0.3661	445	0.0400	0.1083
280	0.0000	0.0000	365	0.4439	1.2026	450	0.0442	0.1199