



UL LLC  
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## UL1598 Annex L Evaluation Report

Relevant Standard  
IEC 62471, IEC 62471-2, UL1598 Annex L

Prepared For  
PLANT GROWERS WORKSHOP INC  
106 Center St  
PO Box 228  
Callery, PA 16024  
United States

Catalog Number  
**F54T5HO UVC**

Order Number  
13539896

Test Number  
13539896.01

Test Date  
2020-11-16

Prepared By

William Escobar, Technician

Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.  
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Lamp Description: Rectangular metal housing with semi -specular reflector and no lens  
Catalog Number: F54T5HO UVC  
Lamp: T5 UVC lamp  
Lamp Catalog Number: F54T5HO UVC  
Ballast/Driver: Internal

### F54T5HO UVC



#### Test Conditions

Test Temperature: 24.1 °C  
Input Voltage: 120.09 VAC  
Power: 50.1 W  
Source Size [mm]  
1117.6 x 12.7

Measurement System: Bentham IDR300-PSL  
Measurement Distance: 200 mm

#### Summary of Results

IEC 62471 Table 6.1

Hazard	Risk Group
Actinic UV 200-400nm	Group 3
Near UV 315-400nm	Exempt
Blue Light 300-700nm	Exempt

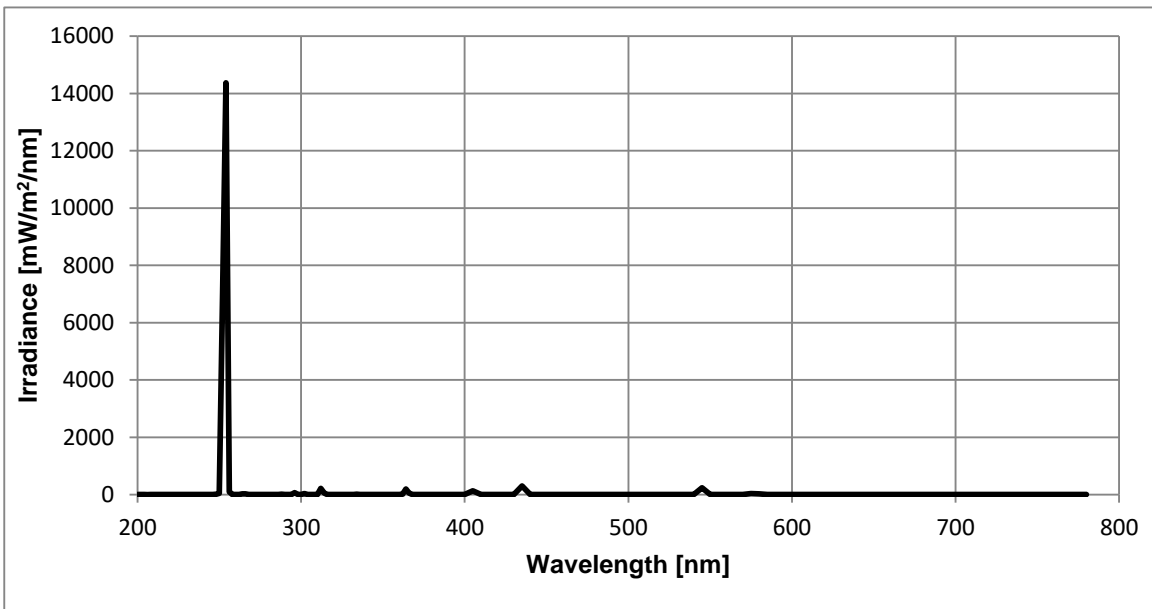
#### Irradiance measured at 500mm test Distance

Irradiance at 0.5m 200-250nm:	2.5E-02 [W/m <sup>2</sup> ]
Irradiance at 0.5m 250-400nm:	1.3E+01 [W/m <sup>2</sup> ]
Irradiance at 0.5m 200-400nm:	1.3E+01 [W/m <sup>2</sup> ]
Ratio:	0.18681602 %

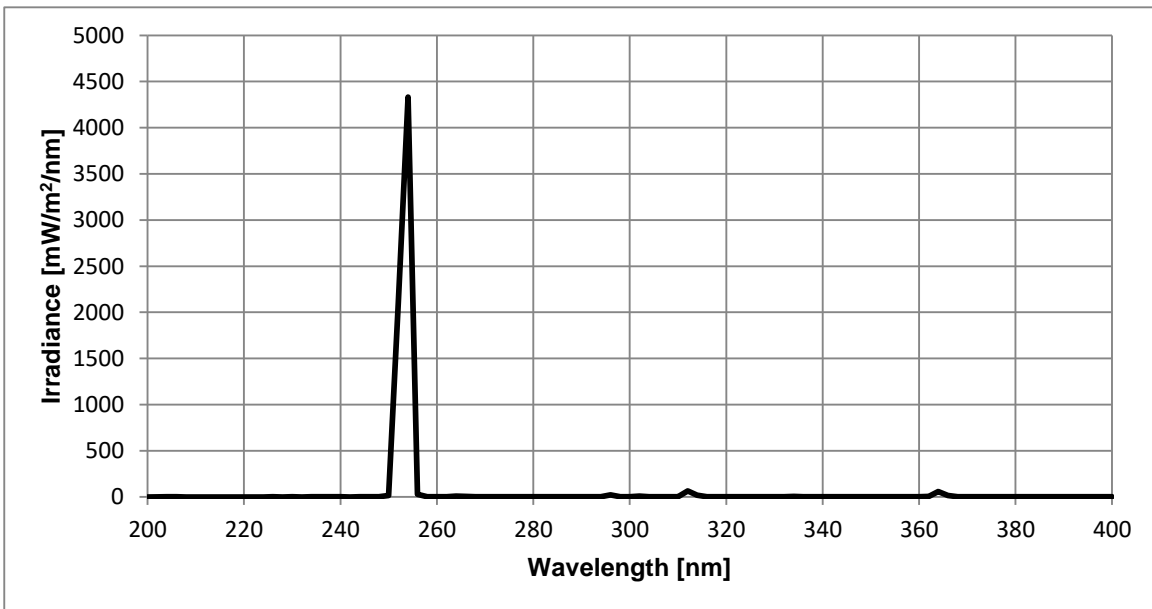


### Irradiance Results

Hazard	Measured value [W/m <sup>2</sup> ]	Resulting Risk Group	Risk Group Limit [W/m <sup>2</sup> ]	Time to exposure limit [sec]
Actinic UV	1.67E+01	Risk Group 3	N/A	1.799494111
Near UVA	5.24E-01	Exempt	10	19069.673
Blue Light Small Source	N/A	N/A	N/A	N/A



Irradiance at 200mm protated to a 200mm distance



Irradiance at 500mm test distance

