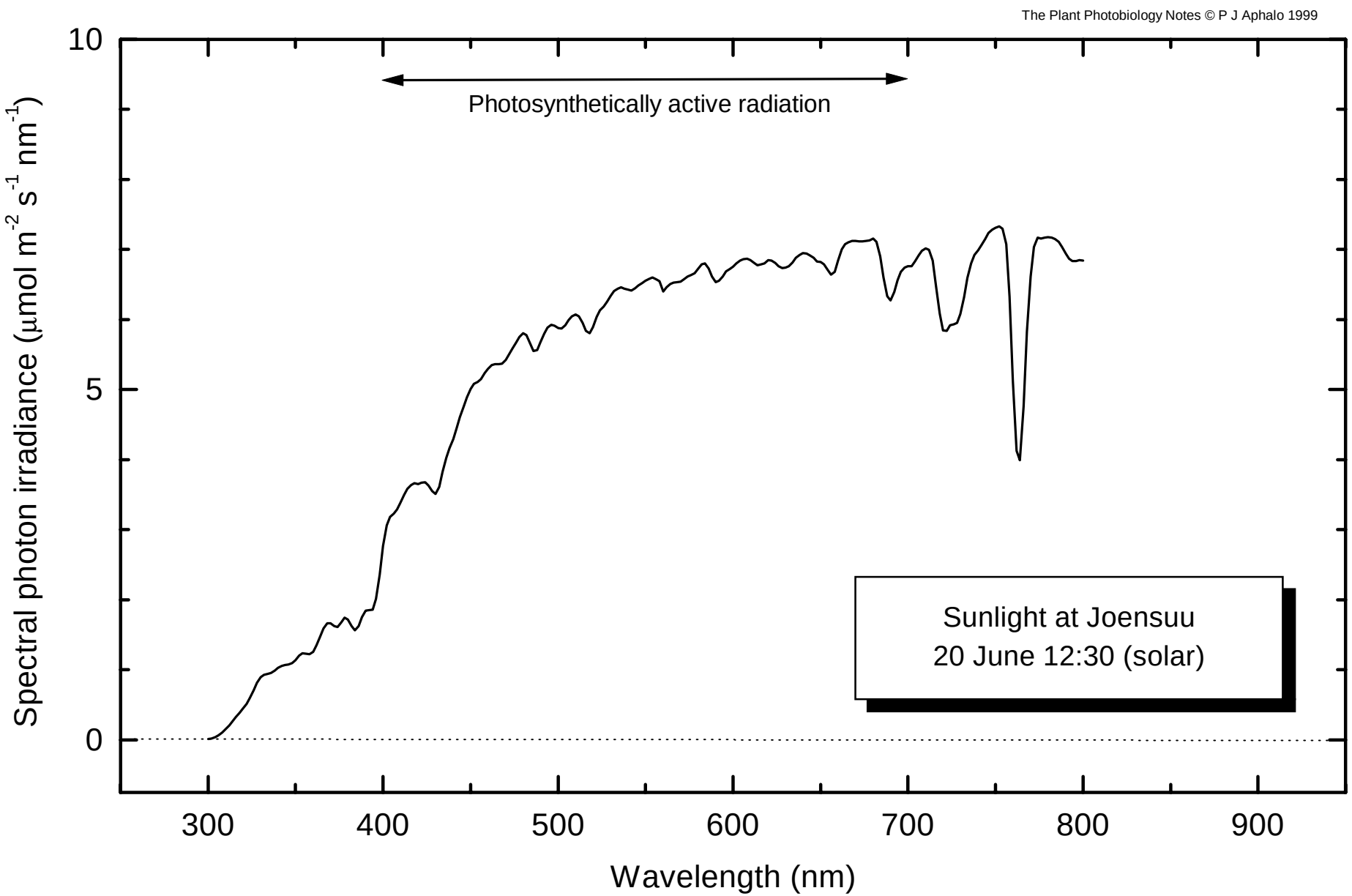
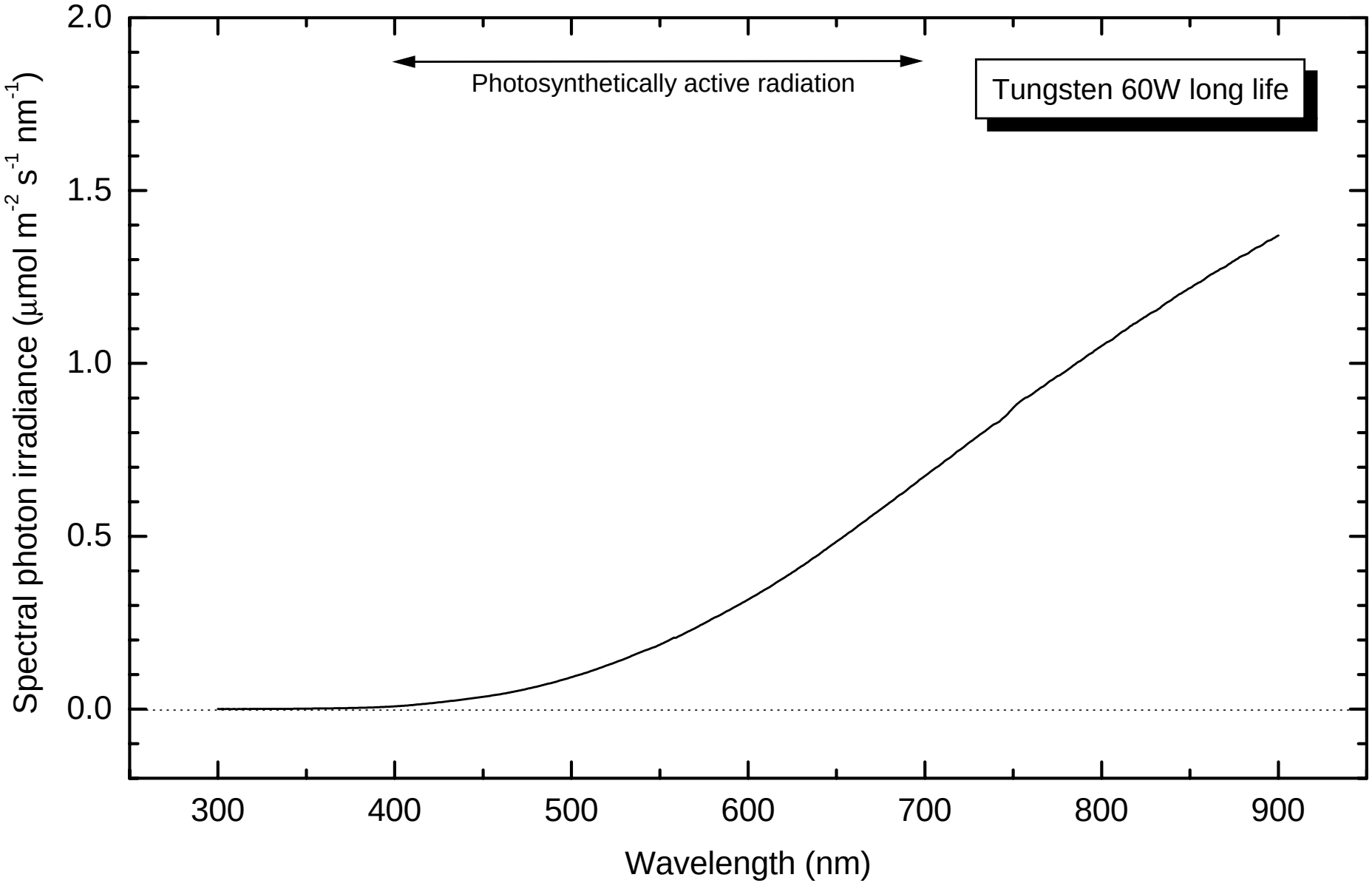
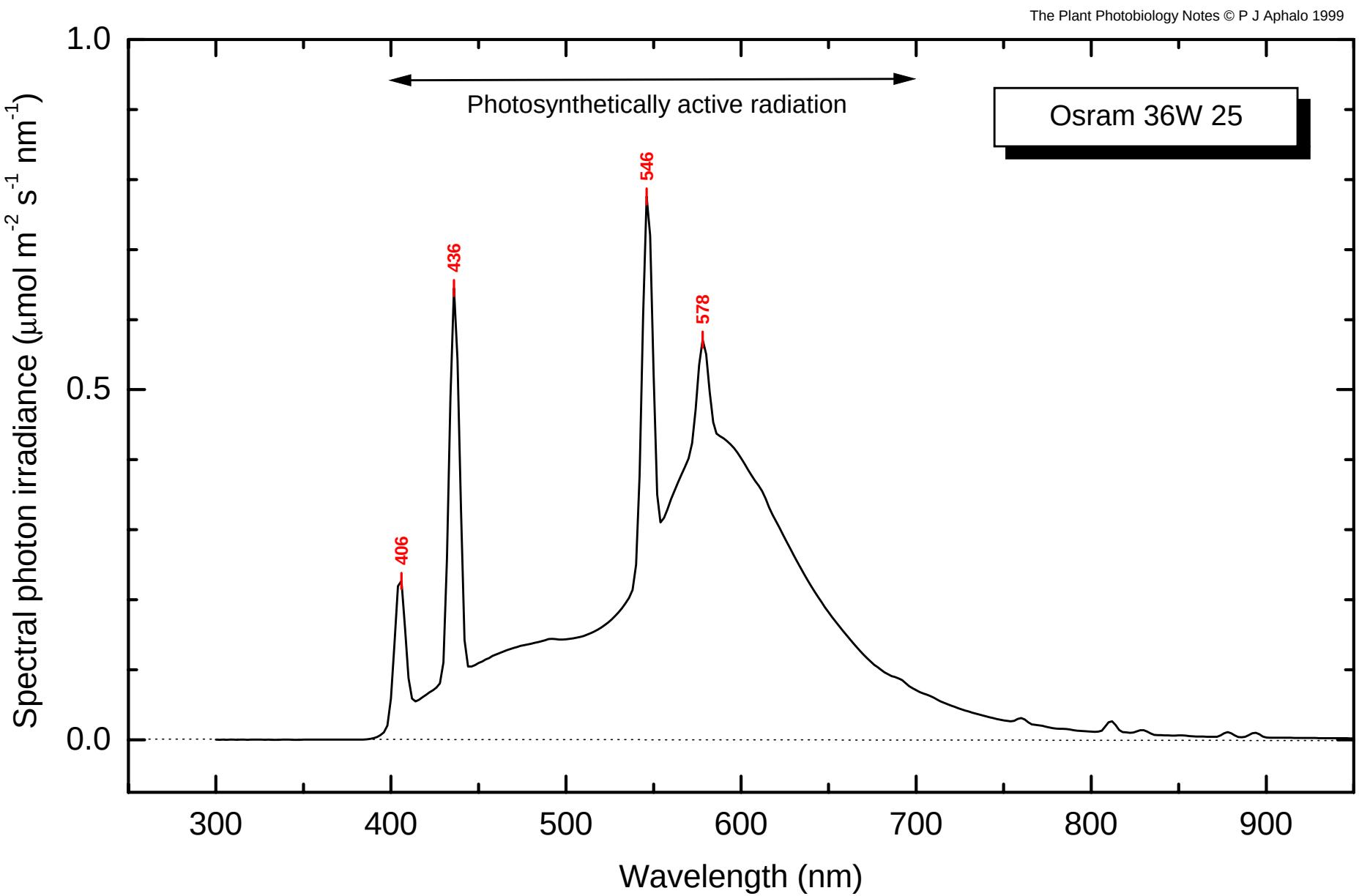

The Plant Photobiology Notes © P J Aphalo 1999
Photosynthetically active radiation
Sunlight at Joensuu
20 June 12:30 (solar)
Spectral photon irradiance (µmol m-2 s-1 nm-1)
Wavelength (nm)
0
5
10
300
400
500
600
700
800
900

The Plant Photobiology Notes © P J Aphalo 1999




The Plant Photobiology Notes © P J Aphalo 1999
Osram 36W 25
Photosynthetically active radiation
406
436
546
578
1.0
0.5
0.0
300
400
500
600
700
800
900
Wavelength (nm)
Spectral photon irradiance (µmol m-2 s-1 nm-1)

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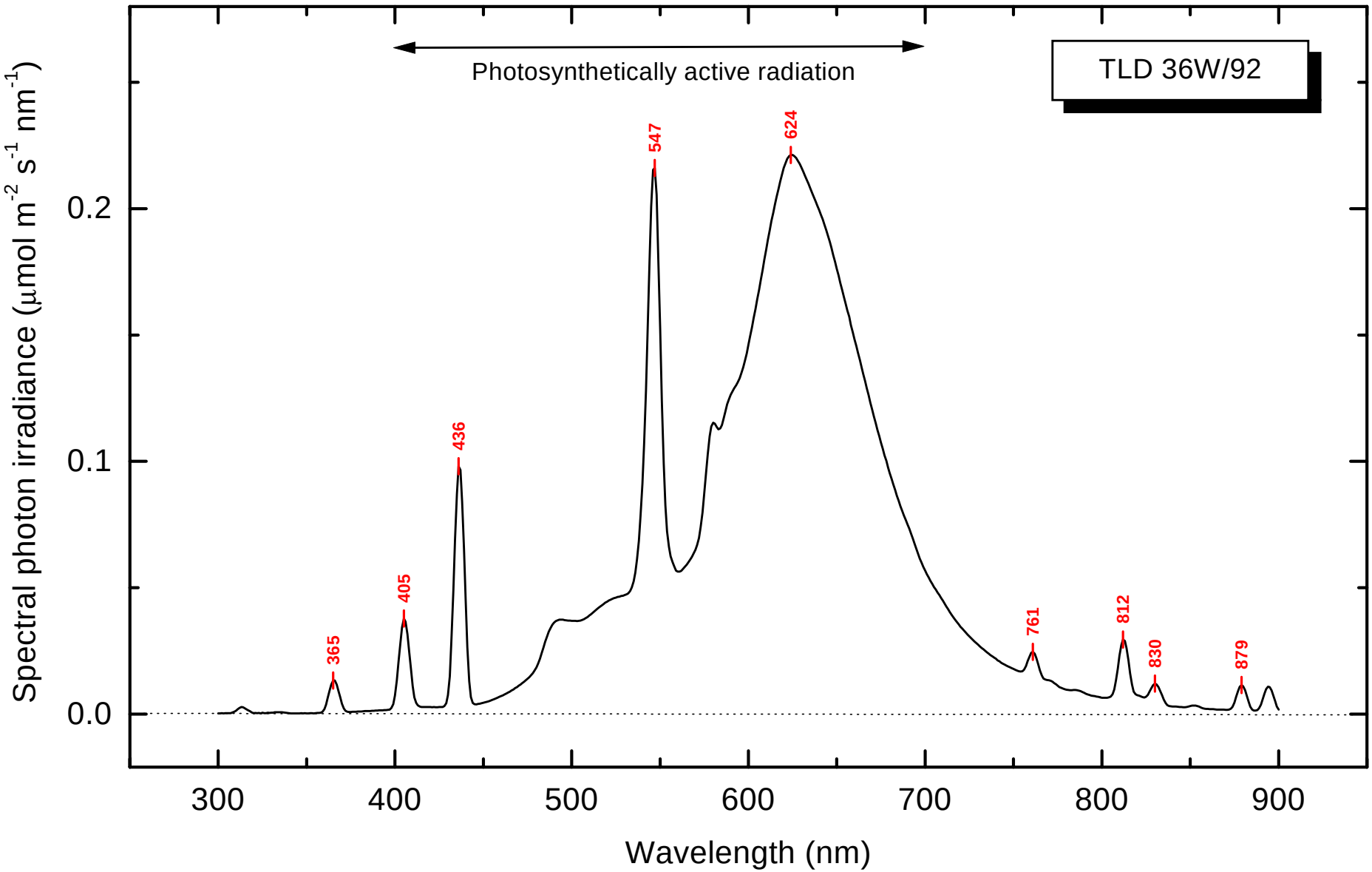
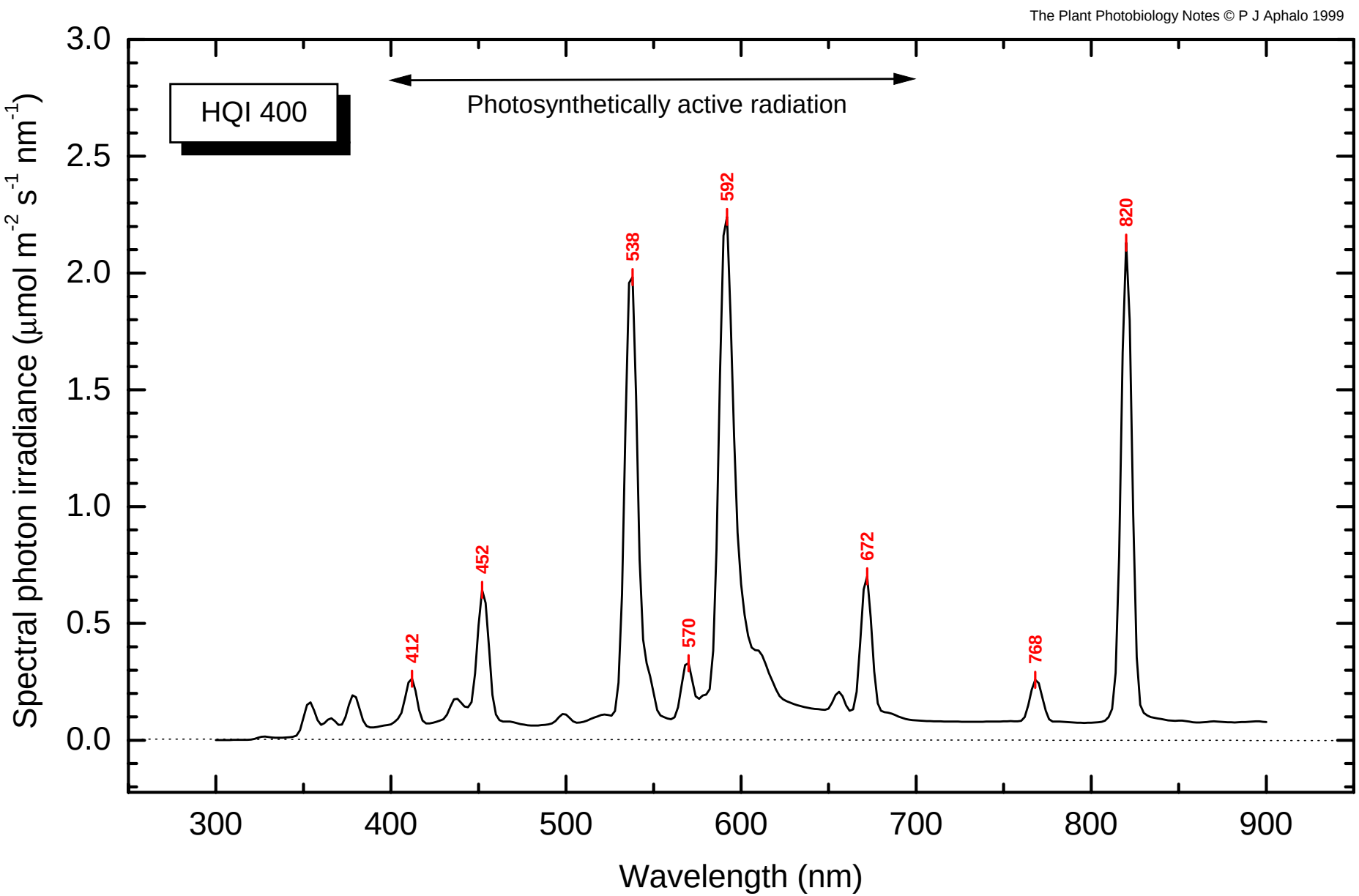
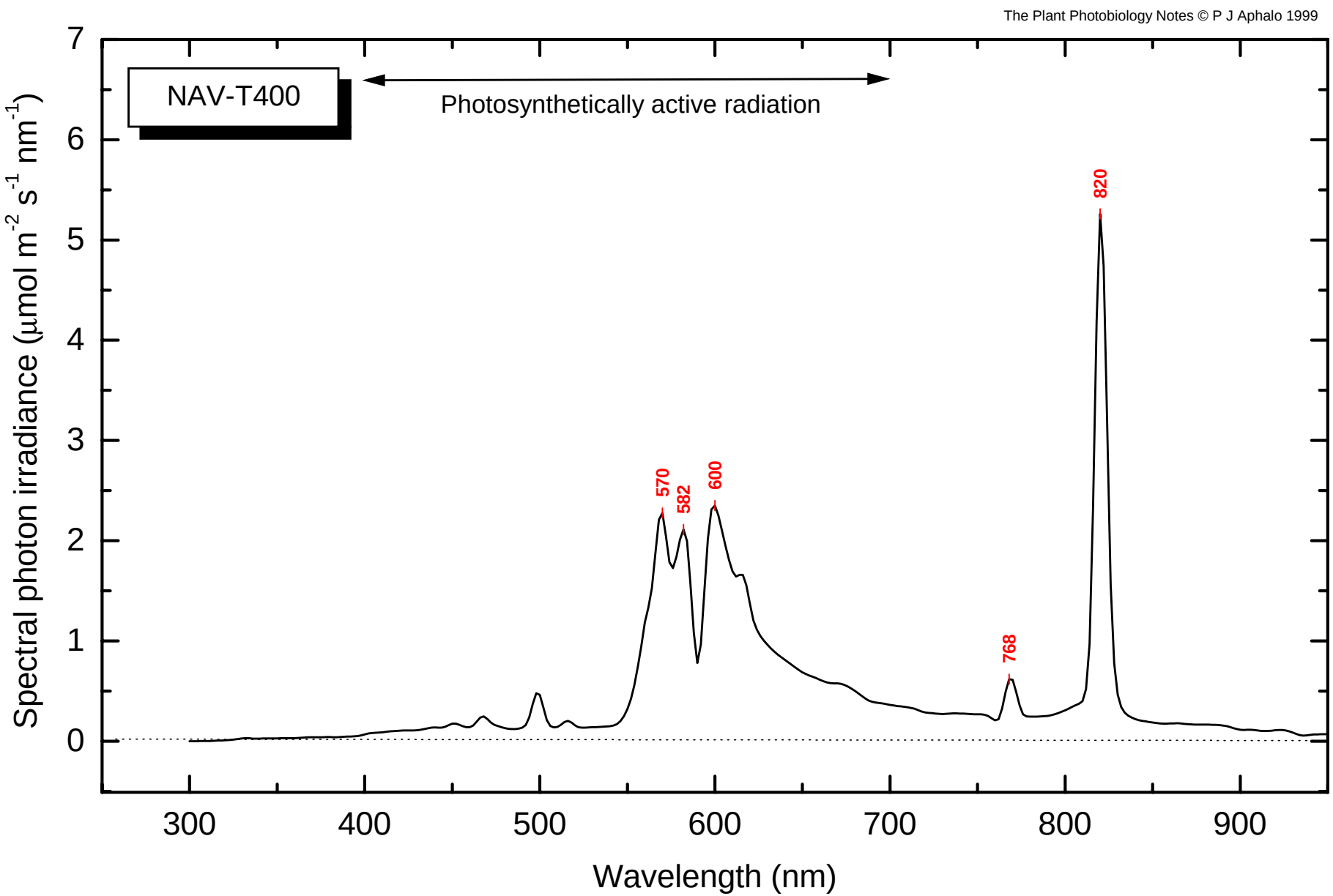



The Plant Photobiology Notes © P J Aphalo 1999
HQI 400
Photosynthetically active radiation
Spectral photon irradiance (µmol m-2 s-1 nm-1)
Wavelength (nm)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
300
400
500
600
700
800
900
412
452
538
570
592
672
768
820


The Plant Photobiology Notes © P J Aphalo 1999
NAV-T400
Photosynthetically active radiation
570
582
600
768
820
Spectral photon irradiance (µmol m-2 s-1 nm-1)
Wavelength (nm)
0
1
2
3
4
5
6
7
300
400
500
600
700
800
900