

Aqua Medic Spectrus 90 90° Linsen

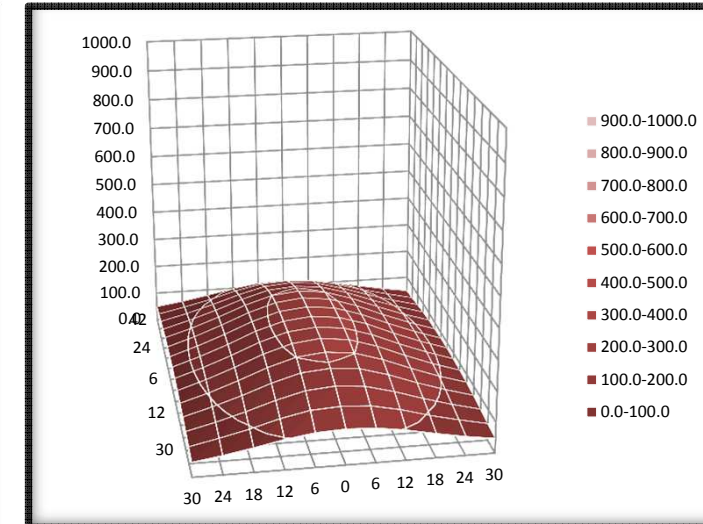
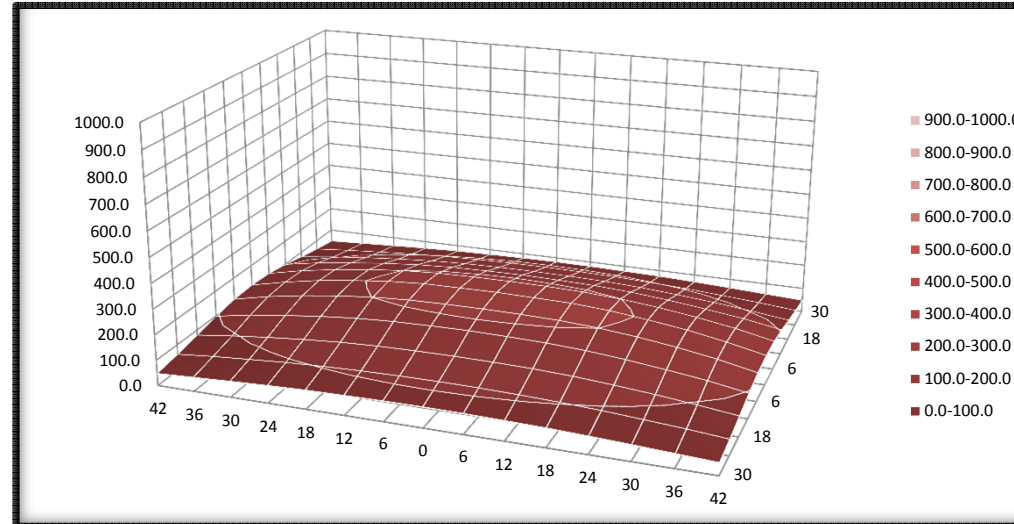
H = 30cm

Modul: Aqua Medic Spectrus 90 90° Linsen
Raumtemperatur: 19 Grad Celsius
Messinstrument: kalibriertes Spektrometer
Abstand von Sensor bis uk Modul: 30 cm
Raum: Abgedunkelt
Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
Leistungsangabe Hersteller: 210 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30 | 47.5 | 54.5 | 62.0 | 68.5 | 74.0 | 77.0 | 79.5 | 80.5 | 79.5 | 77.0 | 74.0 | 68.5 | 62.0 | 54.5 | 47.5 |
| 24 | 61.5 | 74.5 | 85.0 | 95.0 | 102.0 | 107.0 | 110.0 | 111.0 | 110.0 | 107.0 | 102.0 | 95.0 | 85.0 | 74.5 | 61.5 |
| 18 | 78.5 | 96.5 | 112.0 | 125.0 | 135.5 | 142.0 | 145.0 | 146.0 | 145.0 | 142.0 | 135.5 | 125.0 | 112.0 | 96.5 | 78.5 |
| 12 | 97.5 | 123.0 | 142.0 | 159.0 | 172.0 | 180.0 | 183.5 | 185.5 | 183.5 | 180.0 | 172.0 | 159.0 | 142.0 | 123.0 | 97.5 |
| 6 | 111.5 | 142.5 | 166.5 | 186.0 | 200.5 | 209.0 | 212.5 | 213.5 | 212.5 | 209.0 | 200.5 | 186.0 | 166.5 | 142.5 | 111.5 |
| 0 | 116.0 | 148.0 | 174.5 | 194.0 | 210.5 | 220.0 | 222.0 | 224.0 | 222.0 | 220.0 | 210.5 | 194.0 | 174.5 | 148.0 | 116.0 |
| 6 | 111.5 | 142.5 | 166.5 | 186.0 | 200.5 | 209.0 | 212.5 | 213.5 | 212.5 | 209.0 | 200.5 | 186.0 | 166.5 | 142.5 | 111.5 |
| 12 | 97.5 | 123.0 | 142.0 | 159.0 | 172.0 | 180.0 | 183.5 | 185.5 | 183.5 | 180.0 | 172.0 | 159.0 | 142.0 | 123.0 | 97.5 |
| 18 | 78.5 | 96.5 | 112.0 | 125.0 | 135.5 | 142.0 | 145.0 | 146.0 | 145.0 | 142.0 | 135.5 | 125.0 | 112.0 | 96.5 | 78.5 |
| 24 | 61.5 | 74.5 | 85.0 | 95.0 | 102.0 | 107.0 | 110.0 | 111.0 | 110.0 | 107.0 | 102.0 | 95.0 | 85.0 | 74.5 | 61.5 |
| 30 | 47.5 | 54.5 | 62.0 | 68.5 | 74.0 | 77.0 | 79.5 | 80.5 | 79.5 | 77.0 | 74.0 | 68.5 | 62.0 | 54.5 | 47.5 |

| | |
|----------|----------|
| 1'006.50 | |
| 1'381.00 | 939.00 |
| 1'815.00 | 1'241.00 |
| 2'299.50 | 1'574.50 |
| 2'670.50 | 1'829.50 |
| 2'794.00 | 1'917.00 |
| 2'670.50 | 1'829.50 |
| 2'299.50 | 1'574.50 |
| 1'815.00 | 1'241.00 |
| 1'381.00 | 939.00 |
| 1'006.50 | |

Beleuchtungsstärke: 100 %
Leistungsaufnahme gemessen: 151.0 Watt
Lux: 9'130 lx
Summe: 21'139.00 13'085.00
PAR pro Watt: 139.99 86.66
PAR im Mittel: 128.12 161.54



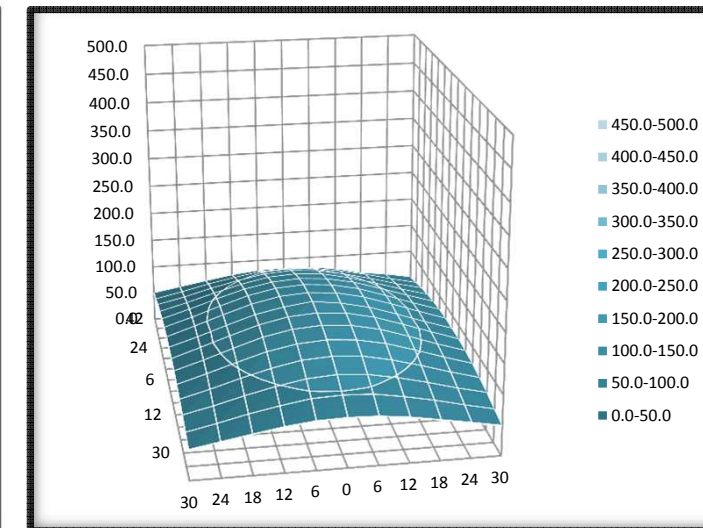
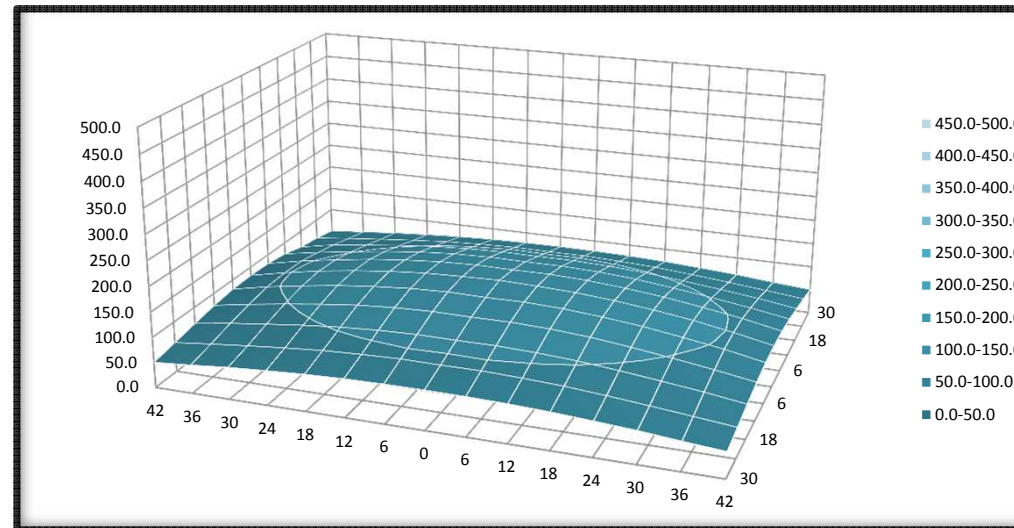
H = 45cm

Modul: Aqua Medic Spectrus 90 90° Linsen
Raumtemperatur: 19 Grad Celsius
Messinstrument: kalibriertes Spektrometer
Abstand von Sensor bis uk Modul: 45 cm
Raum: Abgedunkelt
Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
Leistungsangabe Hersteller: 210 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 30 | 50.0 | 56.0 | 63.0 | 68.0 | 72.5 | 75.5 | 77.0 | 77.5 | 77.0 | 75.5 | 72.5 | 68.0 | 63.0 | 56.0 | 50.0 |
| 24 | 58.5 | 66.5 | 74.0 | 81.0 | 87.0 | 90.5 | 93.0 | 92.5 | 93.0 | 90.5 | 87.0 | 81.0 | 74.0 | 66.5 | 58.5 |
| 18 | 67.0 | 78.0 | 87.0 | 95.5 | 102.5 | 107.0 | 109.5 | 109.0 | 109.5 | 107.0 | 102.5 | 95.5 | 87.0 | 78.0 | 67.0 |
| 12 | 75.0 | 87.5 | 98.5 | 108.5 | 117.0 | 122.5 | 125.0 | 124.5 | 125.0 | 122.5 | 117.0 | 108.5 | 98.5 | 87.5 | 75.0 |
| 6 | 80.5 | 95.5 | 107.5 | 118.5 | 126.5 | 132.5 | 135.5 | 134.5 | 135.5 | 132.5 | 126.5 | 118.5 | 107.5 | 95.5 | 80.5 |
| 0 | 82.0 | 97.5 | 111.0 | 121.5 | 130.0 | 136.0 | 139.0 | 141.0 | 139.0 | 136.0 | 130.0 | 121.5 | 111.0 | 97.5 | 82.0 |
| 6 | 80.5 | 95.5 | 107.5 | 118.5 | 126.5 | 132.5 | 135.5 | 134.8 | 135.5 | 132.5 | 126.5 | 118.5 | 107.5 | 95.5 | 80.5 |
| 12 | 75.0 | 87.5 | 98.5 | 108.5 | 117.0 | 122.5 | 125.0 | 124.5 | 125.0 | 122.5 | 117.0 | 108.5 | 98.5 | 87.5 | 75.0 |
| 18 | 64.0 | 78.0 | 87.0 | 95.5 | 102.5 | 107.0 | 109.5 | 109.0 | 109.5 | 107.0 | 102.5 | 95.5 | 87.0 | 78.0 | 64.0 |
| 24 | 58.5 | 66.5 | 74.0 | 81.0 | 87.0 | 90.5 | 93.0 | 92.5 | 93.0 | 90.5 | 87.0 | 81.0 | 74.0 | 66.5 | 58.5 |
| 30 | 50.0 | 56.0 | 63.0 | 68.0 | 72.5 | 75.5 | 77.0 | 77.5 | 77.0 | 75.5 | 72.5 | 68.0 | 63.0 | 56.0 | 50.0 |

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| 1'001.50 | |
| 1'193.50 | 795.50 |
| 1'402.00 | 938.00 |
| 1'592.50 | 1'070.50 |
| 1'727.50 | 1'160.50 |
| 1'775.00 | 1'194.00 |
| 1'727.80 | 1'160.80 |
| 1'592.50 | 1'070.50 |
| 1'399.00 | 938.00 |
| 1'193.50 | 795.50 |
| 1'001.50 | |

Beleuchtungsstärke: 100 %
Leistungsaufnahme gemessen: 150.5 Watt
Lux: 5'690 lx
Summe: 15'606.30 9'123.30
PAR pro Watt: 103.70 60.62
PAR im Mittel: 94.58 112.63



H = 60 cm

Modul: Aqua Medic Spectrus 90 90° Linsen
Raumtemperatur: 19 Grad Celsius
Messinstrument: kalibriertes Spektrometer
Abstand von Sensor bis uk Modul: 60 cm
Raum: Abgedunkelt
Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
Leistungsangabe Hersteller: 210 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 30 | 46.5 | 50.0 | 54.5 | 58.0 | 61.0 | 63.5 | 65.0 | 65.5 | 65.0 | 63.5 | 61.0 | 58.0 | 54.5 | 50.0 | 46.5 |
| 24 | 51.5 | 56.0 | 61.0 | 65.5 | 69.0 | 72.0 | 73.5 | 73.5 | 73.5 | 72.0 | 69.0 | 65.5 | 61.0 | 56.0 | 51.5 |
| 18 | 56.0 | 62.0 | 67.0 | 72.5 | 77.0 | 80.0 | 81.0 | 81.5 | 81.0 | 80.0 | 77.0 | 72.5 | 67.0 | 62.0 | 56.0 |
| 12 | 60.5 | 66.5 | 72.5 | 78.5 | 83.0 | 86.5 | 88.5 | 88.5 | 88.5 | 86.5 | 83.0 | 78.5 | 72.5 | 66.5 | 60.5 |
| 6 | 62.5 | 69.5 | 76.5 | 82.5 | 87.0 | 90.5 | 92.5 | 93.0 | 92.5 | 90.5 | 87.0 | 82.5 | 76.5 | 69.5 | 62.5 |
| 0 | 63.5 | 70.5 | 77.5 | 83.5 | 88.5 | 92.0 | 94.0 | 95.0 | 94.0 | 92.0 | 88.5 | 83.5 | 77.5 | 70.5 | 63.5 |
| 6 | 62.5 | 69.5 | 76.5 | 82.5 | 87.0 | 90.5 | 92.5 | 93.0 | 92.5 | 90.5 | 87.0 | 82.5 | 76.5 | 69.5 | 62.5 |
| 12 | 60.5 | 66.5 | 72.5 | 78.5 | 83.0 | 86.5 | 88.5 | 88.5 | 88.5 | 86.5 | 83.0 | 78.5 | 72.5 | 66.5 | 60.5 |
| 18 | 56.0 | 62.0 | 67.0 | 72.5 | 77.0 | 80.0 | 81.0 | 81.5 | 81.0 | 80.0 | 77.0 | 72.5 | 67.0 | 62.0 | 56.0 |
| 24 | 51.5 | 56.0 | 61.0 | 65.5 | 69.0 | 75.0 | 73.5 | 73.5 | 73.5 | 75.0 | 69.0 | 65.5 | 61.0 | 56.0 | 51.5 |
| 30 | 46.5 | 50.0 | 54.5 | 58.0 | 61.0 | 63.5 | 65.0 | 65.5 | 65.0 | 63.5 | 61.0 | 58.0 | 54.5 | 50.0 | 46.5 |

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| 862.50 | |
| 970.50 | 633.50 |
| 1'072.50 | 702.50 |
| 1'160.50 | 761.50 |
| 1'215.00 | 798.00 |
| 1'234.00 | 811.00 |
| 1'215.00 | 798.00 |
| 1'160.50 | 761.50 |
| 1'072.50 | 702.50 |
| 976.50 | 639.50 |
| 862.50 | |

Beleuchtungsstärke: 100 %
Leistungsaufnahme gemessen: 151.0 Watt
Lux: 3'960 lx
Summe: 11'802.00 6'608.00
PAR pro Watt: 78.16 43.76
PAR im Mittel: 71.53 81.58

