

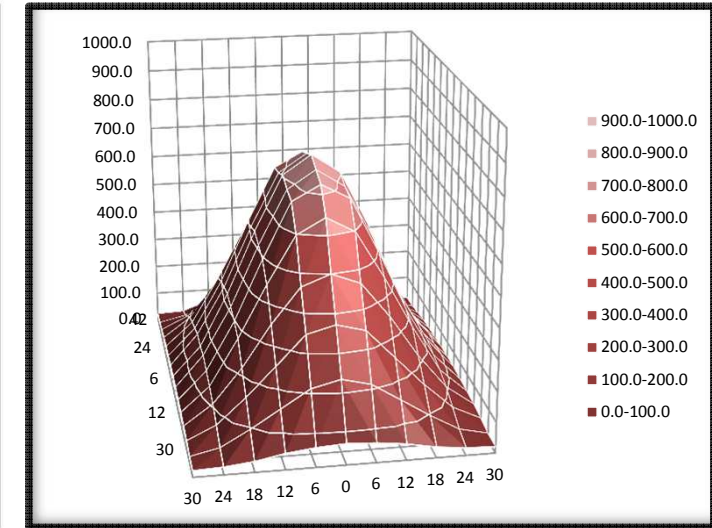
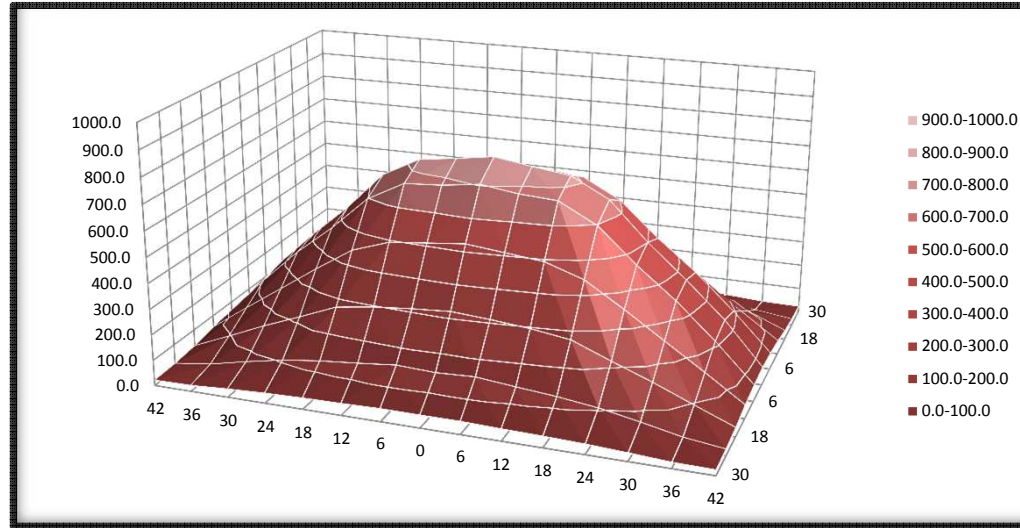
Orphek Atlantik V1

H = 30cm

Modul: Orphek Atlantik V1
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: 186 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 30 | 21.0 | 23.0 | 32.0 | 39.0 | 43.5 | 46.0 | 50.0 | 49.5 | 50.0 | 46.0 | 43.5 | 39.0 | 32.0 | 23.0 | 21.0 |
| 24 | 25.0 | 44.0 | 76.0 | 105.0 | 124.0 | 137.5 | 152.5 | 146.0 | 152.5 | 137.5 | 124.0 | 105.0 | 76.0 | 44.0 | 25.0 |
| 18 | 35.0 | 96.0 | 159.0 | 216.0 | 275.5 | 296.5 | 310.0 | 320.0 | 310.0 | 296.5 | 275.5 | 216.0 | 159.0 | 96.0 | 35.0 |
| 12 | 53.0 | 154.5 | 252.5 | 351.5 | 444.5 | 494.0 | 509.5 | 524.5 | 509.5 | 494.0 | 444.5 | 351.5 | 252.5 | 154.5 | 53.0 |
| 6 | 64.0 | 212.5 | 348.0 | 465.0 | 597.5 | 674.5 | 684.0 | 704.0 | 684.0 | 674.5 | 597.5 | 465.0 | 348.0 | 212.5 | 64.0 |
| 0 | 69.5 | 235.5 | 372.5 | 500.0 | 647.5 | 723.5 | 743.0 | 765.5 | 743.0 | 723.5 | 647.5 | 500.0 | 372.5 | 235.5 | 69.5 |
| 6 | 64.0 | 212.5 | 348.0 | 465.0 | 597.5 | 674.5 | 684.0 | 704.0 | 684.0 | 674.5 | 597.5 | 465.0 | 348.0 | 212.5 | 64.0 |
| 12 | 53.0 | 154.5 | 252.5 | 351.5 | 444.5 | 494.0 | 509.5 | 524.5 | 509.5 | 494.0 | 444.5 | 351.5 | 252.5 | 154.5 | 53.0 |
| 18 | 35.0 | 96.0 | 158.5 | 216.0 | 275.5 | 296.5 | 310.0 | 320.0 | 310.0 | 296.5 | 275.5 | 216.0 | 158.5 | 96.0 | 35.0 |
| 24 | 25.0 | 44.0 | 76.0 | 105.0 | 124.0 | 137.5 | 152.5 | 146.0 | 152.5 | 137.5 | 124.0 | 105.0 | 76.0 | 44.0 | 25.0 |
| 30 | 21.0 | 23.0 | 32.0 | 39.0 | 43.5 | 46.0 | 50.0 | 49.5 | 50.0 | 46.0 | 43.5 | 39.0 | 32.0 | 23.0 | 21.0 |

Beleuchtungsstärke 100 % x = 0.220
 Leistungsaufnahme gemessen 185.0 Watt y = 0.187
 Lux 18'825 lx z = 0.593
 Summe 41'281.50 32'732.50
PAR pro Watt 223.14 176.93
PAR im Mittel 250.19 404.10

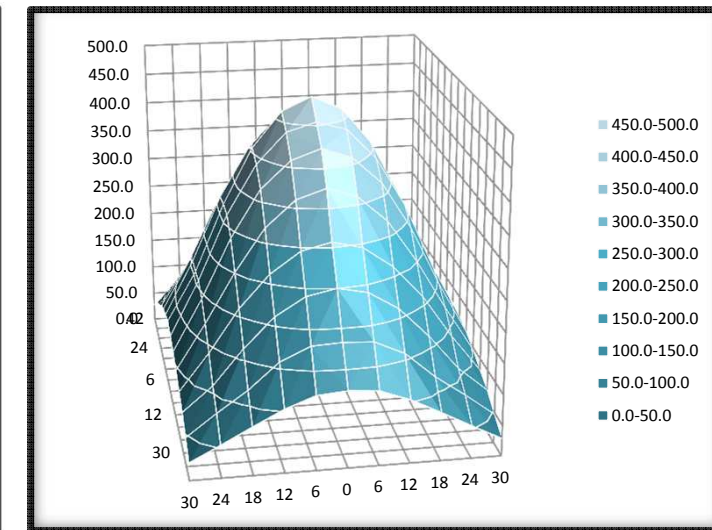
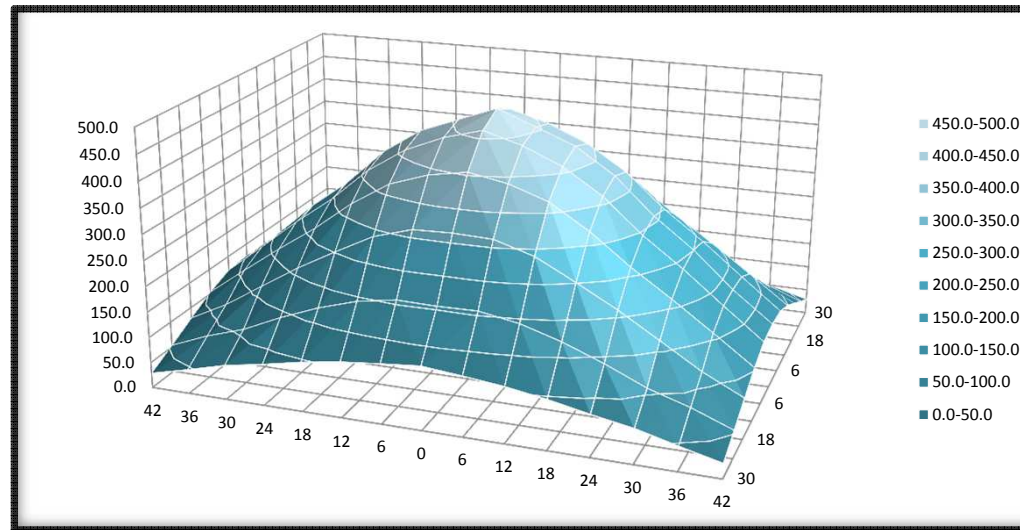


H = 45cm

Modul: Orphek Atlantik V1
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: 186 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30 | 28.5 | 47.0 | 67.0 | 80.5 | 96.0 | 108.0 | 116.0 | 123.0 | 116.0 | 108.0 | 96.0 | 80.5 | 67.0 | 47.0 | 28.5 |
| 24 | 53.0 | 83.0 | 107.0 | 141.0 | 170.5 | 193.5 | 206.5 | 205.0 | 206.5 | 193.5 | 170.5 | 141.0 | 107.0 | 83.0 | 53.0 |
| 18 | 78.5 | 116.5 | 163.5 | 210.0 | 251.0 | 290.0 | 312.5 | 315.0 | 312.5 | 290.0 | 251.0 | 210.0 | 163.5 | 116.5 | 78.5 |
| 12 | 103.0 | 158.0 | 211.5 | 262.0 | 319.5 | 366.0 | 391.5 | 405.0 | 391.5 | 366.0 | 319.5 | 262.0 | 211.5 | 158.0 | 103.0 |
| 6 | 121.0 | 180.0 | 240.5 | 295.5 | 361.0 | 409.0 | 440.5 | 461.5 | 440.5 | 409.0 | 361.0 | 295.5 | 240.5 | 180.0 | 121.0 |
| 0 | 125.0 | 182.5 | 250.5 | 307.0 | 376.5 | 425.5 | 454.5 | 483.0 | 454.5 | 425.5 | 376.5 | 307.0 | 250.5 | 182.5 | 125.0 |
| 6 | 121.0 | 180.0 | 240.5 | 295.5 | 361.0 | 409.0 | 440.5 | 461.5 | 440.5 | 409.0 | 361.0 | 295.5 | 240.5 | 180.0 | 121.0 |
| 12 | 103.0 | 158.0 | 211.5 | 262.0 | 319.5 | 366.0 | 391.5 | 405.0 | 391.5 | 366.0 | 319.5 | 262.0 | 211.5 | 158.0 | 103.0 |
| 18 | 78.5 | 116.5 | 163.5 | 210.0 | 251.0 | 290.0 | 312.5 | 315.0 | 312.5 | 290.0 | 251.0 | 210.0 | 163.5 | 116.5 | 78.5 |
| 24 | 53.0 | 83.0 | 107.0 | 141.0 | 170.5 | 193.5 | 206.5 | 205.0 | 206.5 | 193.5 | 170.5 | 141.0 | 107.0 | 83.0 | 53.0 |
| 30 | 28.5 | 47.0 | 67.0 | 80.5 | 96.0 | 108.0 | 116.0 | 123.0 | 116.0 | 108.0 | 96.0 | 80.5 | 67.0 | 47.0 | 28.5 |

Beleuchtungsstärke 100 % x = 0.220
 Leistungsaufnahme gemessen 185.0 Watt y = 0.187
 Lux 13'100 lx z = 0.593
 Summe 34'859.00 24'863.00
PAR pro Watt 188.43 134.39
PAR im Mittel 211.27 306.95



H = 60 cm

Modul: Orphek Atlantik V1
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: 186 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30 | 40.5 | 59.0 | 77.0 | 97.0 | 112.5 | 129.0 | 139.0 | 143.5 | 139.0 | 129.5 | 112.0 | 96.5 | 76.5 | 58.5 | 40.5 |
| 24 | 60.0 | 83.0 | 108.5 | 132.5 | 154.5 | 175.5 | 190.0 | 198.0 | 190.0 | 175.5 | 154.0 | 132.5 | 108.5 | 83.0 | 60.0 |
| 18 | 78.5 | 105.0 | 136.0 | 163.0 | 191.0 | 211.5 | 230.0 | 235.0 | 230.0 | 211.5 | 191.0 | 162.5 | 135.5 | 105.0 | 78.5 |
| 12 | 92.0 | 123.5 | 149.5 | 186.0 | 215.0 | 236.0 | 254.5 | 259.5 | 254.5 | 236.0 | 215.0 | 186.0 | 149.0 | 123.5 | 92.0 |
| 6 | 99.0 | 134.5 | 167.5 | 199.0 | 232.0 | 254.0 | 269.5 | 275.0 | 269.5 | 254.0 | 231.5 | 199.0 | 167.5 | 134.0 | 99.0 |
| 0 | 103.0 | 138.5 | 172.5 | 205.0 | 238.5 | 260.0 | 274.5 | 280.0 | 274.5 | 260.0 | 238.5 | 205.0 | 172.5 | 138.5 | 103.0 |
| 6 | 99.0 | 134.5 | 167.5 | 199.0 | 232.0 | 254.0 | 269.5 | 275.0 | 269.5 | 254.0 | 231.5 | 199.0 | 167.5 | 134.0 | 99.0 |
| 12 | 92.0 | 123.5 | 149.5 | 186.0 | 215.0 | 236.0 | 254.5 | 259.5 | 254.5 | 236.0 | 215.0 | 185.5 | 149.0 | 123.5 | 92.0 |
| 18 | 78.5 | 105.0 | 136.0 | 163.0 | 191.0 | 211.5 | 230.0 | 235.0 | 230.0 | 211.5 | 191.0 | 162.5 | 135.5 | 105.0 | 78.5 |
| 24 | 60.0 | 82.5 | 108.5 | 132.5 | 154.5 | 175.5 | 190.0 | 198.0 | 190.0 | 175.5 | 154.0 | 132.5 | 108.5 | 82.5 | 60.0 |
| 30 | 40.0 | 59.0 | 77.0 | 97.0 | 112.5 | 129.0 | 139.0 | 143.5 | 139.0 | 129.5 | 112.0 | 96.5 | 76.5 | 58.5 | 40.5 |

Beleuchtungsstärke 100 % x = 0.220
 Leistungsaufnahme gemessen 185.0 Watt y = 0.188
 Lux 9'560 lx z = 0.592
 Summe 26'414.50 17'343.50
PAR pro Watt 142.78 93.75
PAR im Mittel 160.09 214.12

