

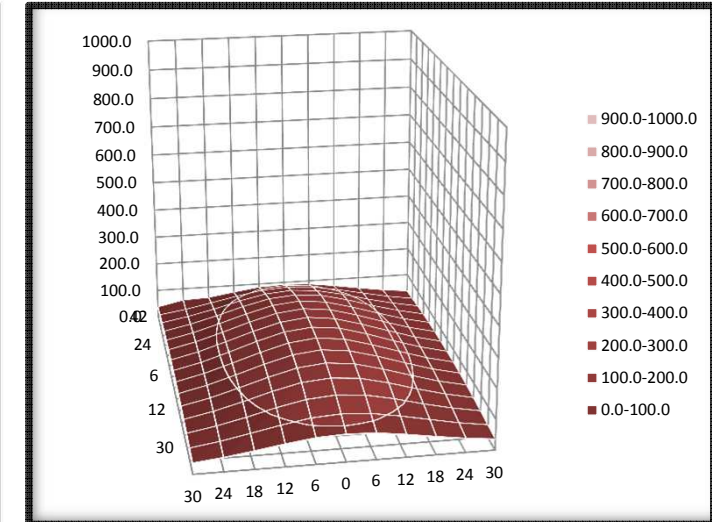
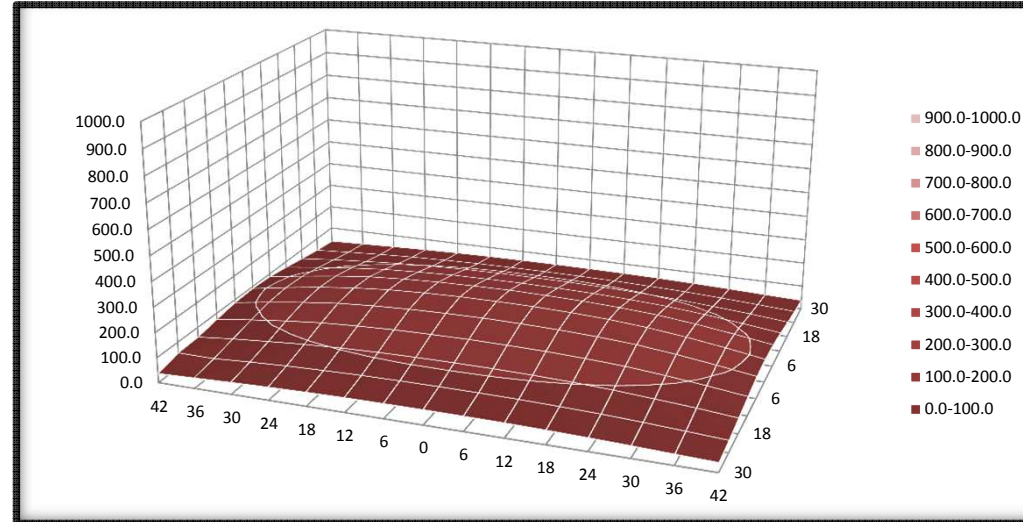
aquaLEDs aquaBAR High Color 75

H = 30cm

Modul: aquaLEDs aquaBAR High Color 75
 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: 75 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 30 | 36.0 | 41.0 | 46.5 | 51.0 | 54.5 | 57.0 | 58.0 | 58.5 | 58.0 | 57.0 | 54.5 | 51.0 | 46.5 | 41.0 | 36.0 |
| 24 | 56.0 | 55.0 | 63.5 | 70.5 | 75.0 | 78.5 | 80.0 | 80.5 | 80.0 | 78.5 | 75.0 | 70.5 | 63.5 | 55.0 | 46.0 |
| 18 | 59.5 | 73.5 | 84.5 | 95.0 | 102.0 | 106.5 | 109.0 | 109.5 | 109.0 | 106.5 | 102.0 | 95.0 | 84.5 | 73.5 | 59.5 |
| 12 | 74.0 | 92.5 | 109.0 | 122.5 | 130.5 | 136.5 | 139.0 | 140.5 | 139.0 | 136.5 | 130.5 | 122.5 | 109.0 | 92.5 | 74.0 |
| 6 | 86.5 | 108.5 | 128.5 | 145.0 | 155.0 | 161.5 | 165.0 | 167.0 | 165.0 | 161.5 | 155.0 | 145.0 | 128.5 | 108.5 | 86.5 |
| 0 | 90.5 | 114.5 | 136.0 | 153.0 | 165.0 | 172.0 | 176.0 | 177.0 | 176.0 | 172.0 | 165.0 | 153.0 | 136.0 | 114.5 | 90.5 |
| 6 | 86.5 | 108.5 | 128.5 | 145.0 | 155.0 | 161.5 | 165.0 | 167.0 | 165.0 | 161.5 | 155.0 | 145.0 | 128.5 | 108.5 | 86.5 |
| 12 | 74.0 | 92.5 | 109.0 | 122.5 | 130.5 | 136.5 | 139.0 | 140.5 | 139.0 | 136.5 | 130.5 | 122.5 | 109.0 | 92.5 | 74.0 |
| 18 | 59.5 | 73.5 | 84.6 | 95.0 | 102.0 | 106.5 | 109.0 | 109.5 | 109.0 | 106.5 | 102.0 | 95.0 | 84.6 | 73.5 | 59.5 |
| 24 | 46.0 | 55.0 | 63.5 | 70.5 | 75.0 | 78.5 | 80.0 | 80.8 | 80.0 | 78.5 | 75.0 | 70.5 | 63.5 | 55.0 | 46.0 |
| 30 | 36.0 | 41.0 | 46.5 | 51.0 | 54.5 | 57.0 | 58.0 | 58.5 | 58.0 | 57.0 | 54.5 | 51.0 | 46.5 | 41.0 | 36.0 |

Beleuchtungsstärke 100 % x = 0.231
 Leistungsaufnahme gemessen 91.0 Watt y = 0.190
 Lux 7'320 lx z = 0.579
 Summe 16'099.40 9'990.30
PAR pro Watt 176.92 109.78
PAR im Mittel 97.57 123.34

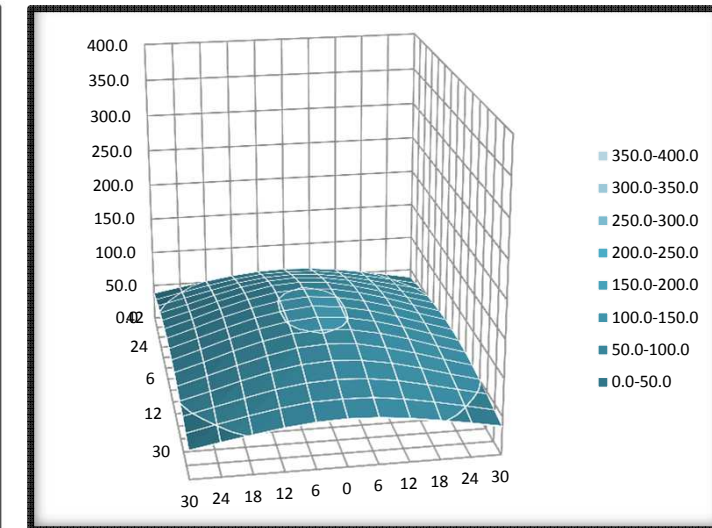
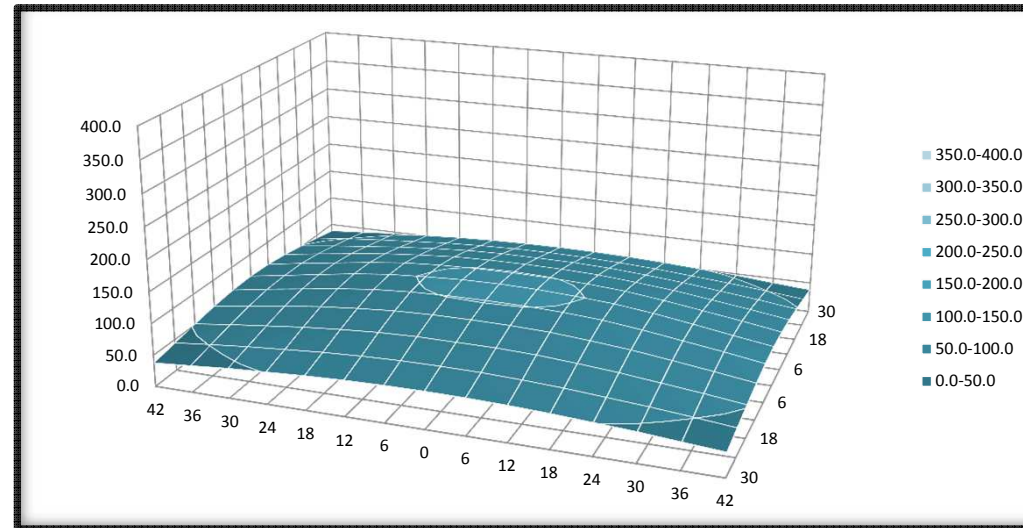


H = 45cm

Modul: aquaLEDs aquaBAR High Color 75
 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: 75 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 30 | 37.5 | 42.0 | 47.0 | 50.5 | 54.0 | 56.5 | 58.0 | 58.5 | 58.0 | 56.5 | 54.0 | 50.5 | 47.0 | 42.0 | 37.5 |
| 24 | 44.5 | 50.5 | 56.0 | 60.5 | 65.0 | 68.0 | 70.0 | 70.5 | 70.0 | 68.0 | 65.0 | 60.5 | 56.0 | 50.5 | 44.5 |
| 18 | 51.0 | 58.5 | 65.0 | 71.5 | 76.5 | 80.5 | 82.5 | 82.5 | 82.5 | 80.5 | 76.5 | 71.5 | 65.0 | 58.5 | 51.0 |
| 12 | 57.0 | 65.5 | 73.5 | 81.0 | 86.5 | 91.0 | 93.0 | 93.5 | 93.0 | 91.0 | 86.5 | 81.0 | 73.5 | 65.5 | 57.0 |
| 6 | 61.0 | 70.5 | 79.0 | 87.5 | 94.5 | 98.5 | 100.5 | 101.0 | 100.5 | 98.5 | 94.5 | 87.5 | 79.0 | 70.5 | 61.0 |
| 0 | 62.5 | 71.5 | 81.0 | 90.0 | 97.0 | 101.0 | 104.0 | 105.0 | 104.0 | 101.0 | 97.0 | 90.0 | 81.0 | 71.5 | 62.5 |
| 6 | 61.0 | 70.5 | 79.0 | 87.5 | 94.5 | 98.5 | 100.5 | 101.0 | 100.5 | 98.5 | 94.5 | 87.5 | 79.0 | 70.5 | 61.0 |
| 12 | 57.0 | 65.5 | 73.5 | 81.0 | 86.5 | 91.0 | 93.0 | 93.5 | 93.0 | 91.0 | 86.5 | 81.0 | 73.5 | 65.5 | 57.0 |
| 18 | 51.0 | 58.5 | 65.0 | 71.5 | 76.5 | 80.5 | 82.5 | 82.5 | 82.5 | 80.5 | 76.5 | 71.5 | 65.0 | 58.5 | 51.0 |
| 24 | 44.5 | 50.5 | 56.0 | 60.5 | 65.0 | 68.0 | 70.0 | 70.5 | 70.0 | 68.0 | 65.0 | 60.5 | 56.0 | 50.5 | 44.5 |
| 30 | 37.5 | 42.0 | 47.0 | 50.5 | 54.0 | 56.5 | 58.0 | 58.5 | 58.0 | 56.5 | 54.0 | 50.5 | 47.0 | 42.0 | 37.5 |

Beleuchtungsstärke 100 % x = 0.231
 Leistungsaufnahme gemessen 91.0 Watt y = 0.189
 Lux 4'360 lx z = 0.580
 Summe 11'669.00 6'812.00
PAR pro Watt 128.23 74.86
PAR im Mittel 70.72 84.10



H = 60 cm

Modul: aquaLEDs aquaBAR High Color 75
 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: 75 Watt

| cm/cm | 42 | 36 | 30 | 24 | 18 | 12 | 6 | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 30 | 35.0 | 38.0 | 41.5 | 43.0 | 47.0 | 49.0 | 50.0 | 50.0 | 50.0 | 49.0 | 47.0 | 43.0 | 41.5 | 38.0 | 35.0 |
| 24 | 38.5 | 42.5 | 45.5 | 48.0 | 52.0 | 54.0 | 55.5 | 56.0 | 55.5 | 54.0 | 52.0 | 48.0 | 45.5 | 42.5 | 38.5 |
| 18 | 42.0 | 46.0 | 50.0 | 52.0 | 57.0 | 59.5 | 60.5 | 61.0 | 60.5 | 59.5 | 57.0 | 52.0 | 50.0 | 46.0 | 42.0 |
| 12 | 45.0 | 49.5 | 53.5 | 56.0 | 61.0 | 63.5 | 64.5 | 65.5 | 64.5 | 63.5 | 61.0 | 56.0 | 53.5 | 49.5 | 45.0 |
| 6 | 46.5 | 51.5 | 55.5 | 58.0 | 63.5 | 66.0 | 67.5 | 67.5 | 67.5 | 66.0 | 63.5 | 58.0 | 55.5 | 51.5 | 46.5 |
| 0 | 47.0 | 52.0 | 56.0 | 60.5 | 64.5 | 67.5 | 69.0 | 69.0 | 69.0 | 67.5 | 64.5 | 60.5 | 56.0 | 52.0 | 47.0 |
| 6 | 46.5 | 51.5 | 55.5 | 58.0 | 63.5 | 66.0 | 67.5 | 67.5 | 67.5 | 66.0 | 63.5 | 58.0 | 55.5 | 51.5 | 46.5 |
| 12 | 45.0 | 49.5 | 53.5 | 56.0 | 61.0 | 63.5 | 64.5 | 65.5 | 64.5 | 63.5 | 61.0 | 56.0 | 53.5 | 49.5 | 45.0 |
| 18 | 42.0 | 46.0 | 50.0 | 52.0 | 57.0 | 59.5 | 60.5 | 61.0 | 60.5 | 59.5 | 57.0 | 52.0 | 50.0 | 46.0 | 42.0 |
| 24 | 38.5 | 42.5 | 45.5 | 48.0 | 52.0 | 54.0 | 55.5 | 56.0 | 55.5 | 54.0 | 52.0 | 48.0 | 45.5 | 42.5 | 38.5 |
| 30 | 35.0 | 38.0 | 41.5 | 43.0 | 47.0 | 49.0 | 50.0 | 50.0 | 50.0 | 49.0 | 47.0 | 43.0 | 41.5 | 38.0 | 35.0 |

Beleuchtungsstärke 100 % x = 0.231
 Leistungsaufnahme gemessen 91.0 Watt y = 0.190
 Lux 2'900 lx z = 0.579
 Summe 8'734.00 4'846.00
PAR pro Watt 95.98 53.25
PAR im Mittel 52.93 59.83

