

# Aqua Medic aquasunLED 100 W

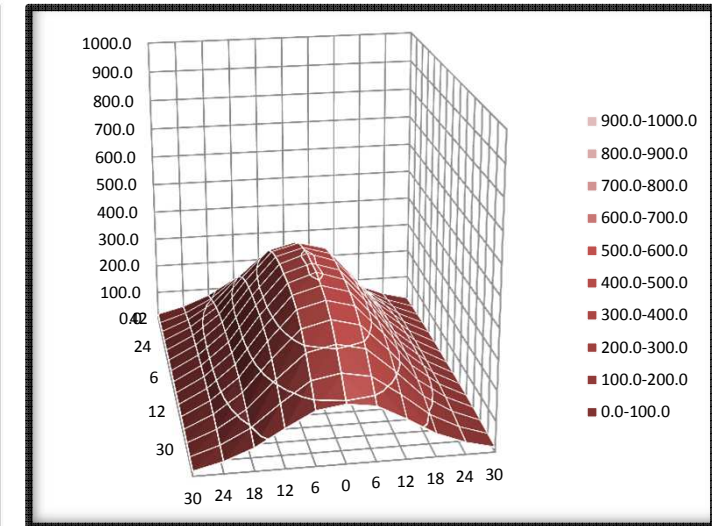
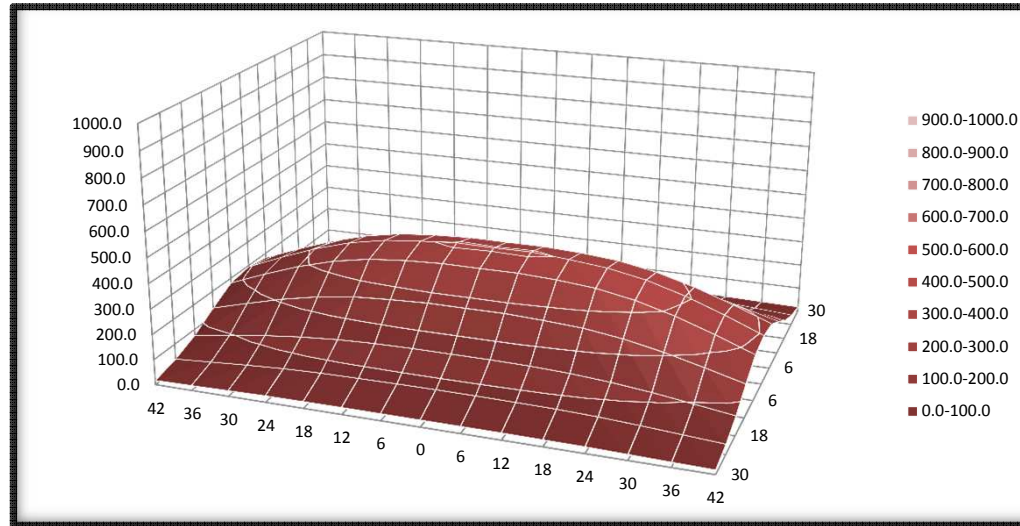
## H = 30cm

**Modul:** Aqua Medic aquasunLED 100 W  
**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:** 100 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	16.0	18.5	21.5	24.5	25.5	26.5	26.5	26.5	26.5	26.5	25.5	24.5	21.5	18.5	16.0
24	39.0	49.0	59.0	67.5	72.5	74.5	76.0	76.5	76.0	74.5	72.5	67.5	59.0	49.0	39.0
18	75.5	96.5	117.0	133.0	144.0	150.0	152.0	152.0	150.0	144.0	133.0	117.0	96.5	75.5	
12	130.0	170.0	207.5	237.5	258.0	267.0	273.5	273.0	273.5	267.0	258.0	237.5	207.5	170.0	130.0
6	179.5	236.0	287.5	328.5	356.0	369.0	376.0	375.5	376.0	369.0	356.0	328.5	287.5	236.0	179.5
0	193.0	253.5	308.5	352.0	380.5	395.5	407.0	405.0	407.0	395.5	380.5	352.0	308.5	253.5	193.0
6	179.5	236.0	287.5	328.5	356.0	369.0	376.0	375.5	376.0	369.0	356.0	328.5	287.5	236.0	179.5
12	130.0	170.0	207.5	237.5	258.0	267.0	273.5	273.0	273.5	267.0	258.0	237.5	207.5	170.0	130.0
18	75.5	96.5	117.0	133.0	144.0	150.0	152.0	152.0	150.0	144.0	133.0	117.0	96.5	75.5	
24	39.0	49.0	59.0	67.5	72.5	74.5	76.0	76.5	76.0	74.5	72.5	67.5	59.0	49.0	39.0
30	16.0	18.5	21.5	24.5	25.5	26.5	26.5	26.5	26.5	26.5	25.5	24.5	21.5	18.5	16.0

344.50  
 951.50 657.50  
 1'888.00 1'310.00  
 3'360.00 2'345.00  
 4'640.50 3'234.50  
 4'985.00 3'475.00  
 4'640.50 3'234.50  
 3'360.00 2'345.00  
 1'888.00 1'310.00  
 951.50 657.50  
 344.50  
**Summe** 27'354.00 18'569.00  
**PAR pro Watt** 253.28 171.94  
**PAR im Mittel** 165.78 229.25

Beleuchtungsstärke 100 % x = 0.229  
 Leistungsaufnahme gemessen 108.0 Watt y = 0.197  
 Lux 19'850 lx z = 0.575



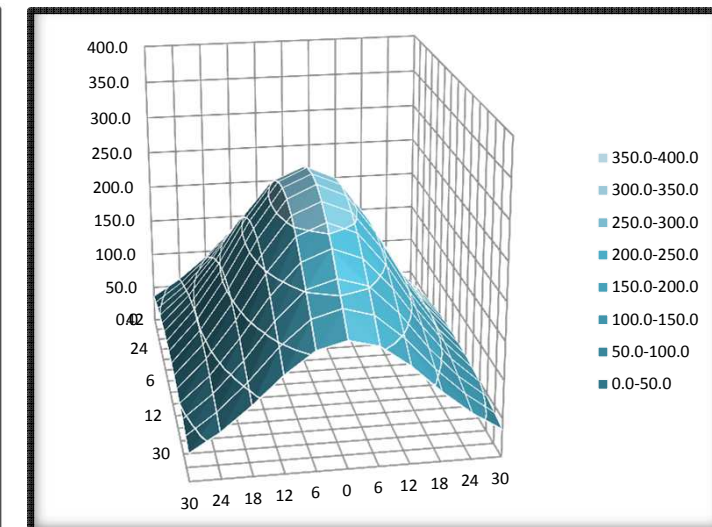
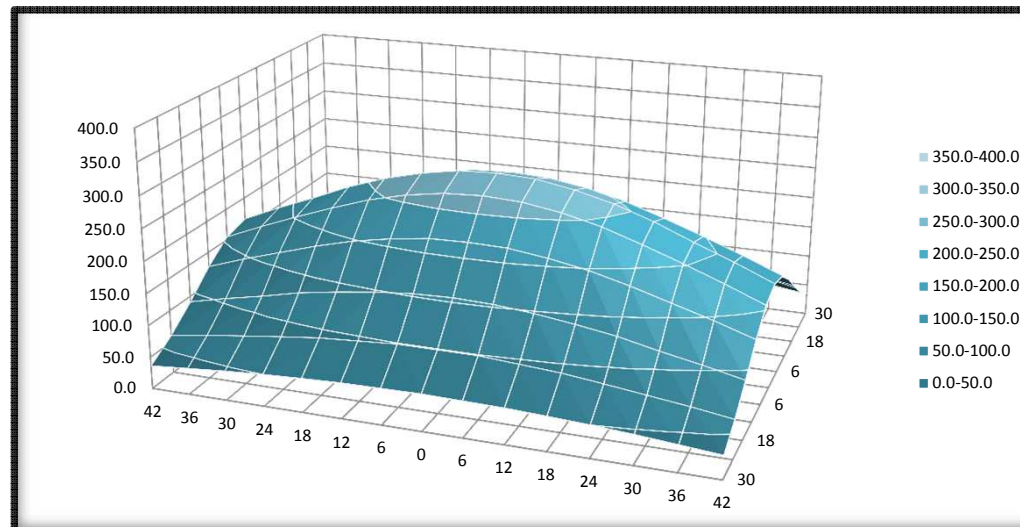
## H = 45cm

**Modul:** Aqua Medic aquasunLED 100 W  
**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:** 100 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	36.0	41.0	46.0	50.0	53.0	55.5	56.5	57.5	56.5	55.5	53.0	50.0	46.0	41.0	36.0
24	60.0	69.0	76.5	84.0	91.0	95.0	99.0	99.0	99.0	95.0	91.0	84.0	76.5	69.0	60.0
18	91.0	104.5	116.5	130.0	139.5	147.5	153.0	155.0	153.0	147.5	139.5	130.0	116.5	104.5	91.0
12	126.5	146.5	164.5	182.5	198.0	209.0	217.0	218.5	217.0	209.0	198.0	182.5	164.5	146.5	126.5
6	154.5	179.0	202.0	223.5	243.5	258.0	267.5	270.5	267.5	258.0	243.5	223.5	202.0	179.0	154.5
0	164.5	190.0	213.5	238.5	259.0	274.0	284.5	287.0	284.5	274.0	259.0	238.5	213.5	190.0	164.5
6	154.5	179.0	202.0	223.5	243.5	258.0	267.5	270.5	267.5	258.0	243.5	223.5	202.0	179.0	154.5
12	126.5	146.5	164.5	182.5	198.0	209.0	217.0	218.5	217.0	209.0	198.0	182.5	164.5	146.5	126.5
18	91.0	104.5	116.5	130.0	139.5	147.5	153.0	155.0	153.0	147.5	139.5	130.0	116.5	104.5	91.0
24	60.0	69.0	76.5	84.0	91.0	95.0	99.0	99.0	99.0	95.0	91.0	84.0	76.5	69.0	60.0
30	36.0	41.0	46.0	50.0	53.0	55.5	56.5	57.5	56.5	55.5	53.0	50.0	46.0	41.0	36.0

733.50  
 1'248.00 837.00  
 1'919.00 1'295.00  
 2'706.50 1'831.50  
 3'326.50 2'255.50  
 3'535.00 2'399.00  
 3'326.50 2'255.50  
 2'706.50 1'831.50  
 1'919.00 1'295.00  
 1'248.00 837.00  
 733.50  
**Summe** 23'402.00 14'837.00  
**PAR pro Watt** 216.69 137.38  
**PAR im Mittel** 141.83 183.17

Beleuchtungsstärke 100 % x = 0.228  
 Leistungsaufnahme gemessen 108.0 Watt y = 0.196  
 Lux 14'000 lx z = 0.576



## H = 60 cm

**Modul:** Aqua Medic aquasunLED 100 W  
**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:** 100 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	49.0	53.0	57.0	61.0	65.0	67.5	69.0	70.0	69.0	67.5	65.0	61.0	57.0	53.0	49.0
24	66.0	71.0	77.5	83.5	88.5	92.0	94.0	94.5	94.0	92.0	88.5	83.5	77.5	71.0	66.0
18	85.0	92.5	100.5	110.0	116.0	120.5	123.5	124.5	123.5	120.5	116.0	110.0	100.5	92.5	85.0
12	105.5	115.5	127.0	137.5	146.0	152.0	155.5	156.0	155.5	152.0	146.0	137.5	127.0	115.5	105.5
6	122.5	135.0	148.0	161.5	172.0	178.0	182.5	183.5	182.5	178.0	172.0	161.5	148.0	135.0	122.5
0	129.0	143.0	156.0	171.5	185.5	189.0	193.5	194.0	193.5	189.0	185.5	171.5	156.0	143.0	129.0
6	122.5	135.0	148.0	161.5	172.0	178.0	182.5	183.5	182.5	178.0	172.0	161.5	148.0	135.0	122.5
12	105.5	115.5	127.0	137.5	146.0	152.0	155.5	156.0	155.5	152.0	146.0	137.5	127.0	115.5	105.5
18	85.0	92.5	100.5	110.0	116.0	120.5	123.5	124.5	123.5	120.5	116.0	110.0	100.5	92.5	85.0
24	66.0	71.0	77.5	83.5	88.5	92.0	94.0	94.5	94.0	92.0	88.5	83.5	77.5	71.0	66.0
30	49.0	53.0	57.0	61.0	65.0	67.5	69.0	70.0	69.0	67.5	65.0	61.0	57.0	53.0	49.0

913.00  
 1'239.50 810.50  
 1'620.50 1'064.50  
 2'034.00 1'338.00  
 2'382.50 1'571.50  
 2'529.00 1'673.00  
 2'382.50 1'571.50  
 2'034.00 1'338.00  
 1'620.50 1'064.50  
 1'239.50 810.50  
 913.00  
**Summe** 18'908.00 11'242.00  
**PAR pro Watt** 175.07 104.09  
**PAR im Mittel** 114.59 138.79

Beleuchtungsstärke 100 % x = 0.227  
 Leistungsaufnahme gemessen 108.0 Watt y = 0.195  
 Lux 9'450 lx z = 0.578

