

# LEDURON Aquatic Light 100W / Reefwhite; 14'000K

## H = 30cm

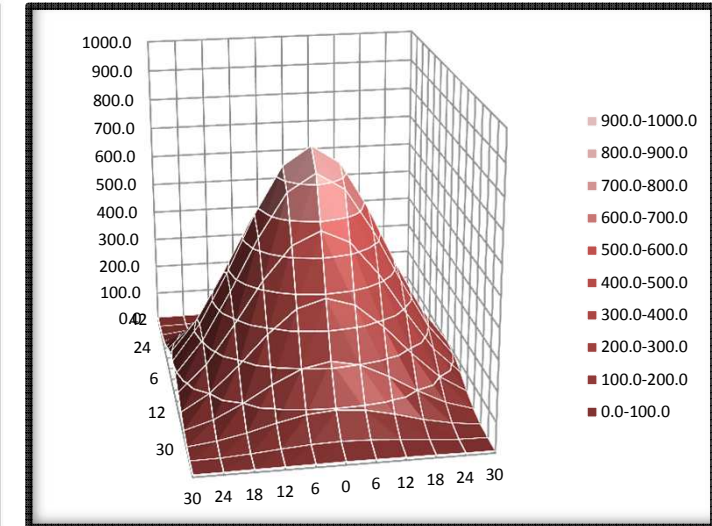
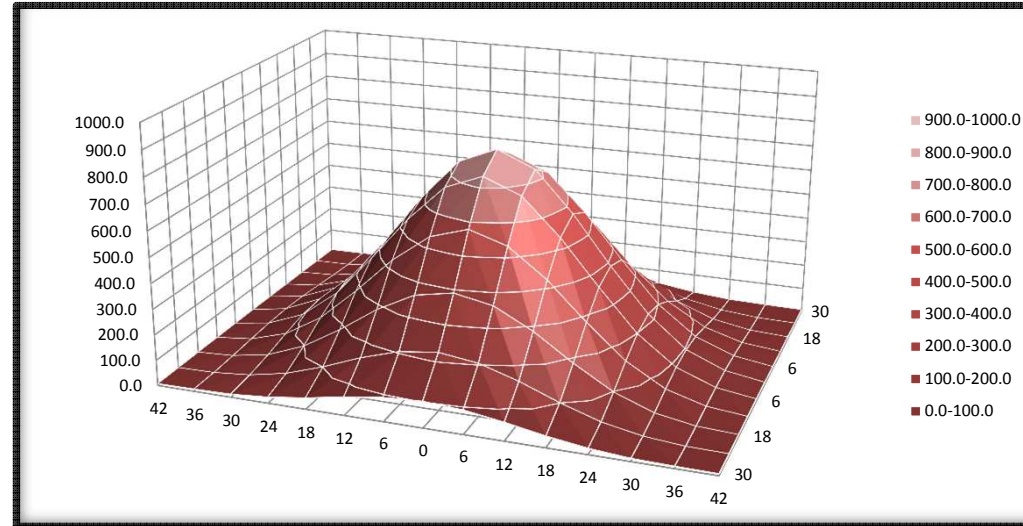
**Modul:** LEDURON Aquatic Light 100W / Reefwhite; 14'000K  
**Raumtemperatur:** 19 Grad Celsius **Raum:** Abgedunkelt  
**Messinstrument:** kalibriertes Spektrometer **Einheit:** PAR in  $\mu\text{mol}/\text{m}^2/\text{sec}$   
**Abstand von Sensor bis uk Modul:** 30 cm **Leistungsangabe Hersteller:** 100 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	7.0	8.5	11.5	23.5	44.0	71.0	93.0	102.0	93.0	71.0	44.0	23.5	11.5	8.5	7.0
24	7.5	10.0	23.0	52.0	100.5	158.5	204.5	223.5	204.5	158.5	100.5	52.0	23.0	10.0	7.5
18	8.5	16.0	42.0	98.5	186.0	286.0	362.5	390.5	362.5	286.0	186.0	98.5	42.0	16.0	8.5
12	9.0	24.0	67.5	154.0	282.5	424.5	534.0	580.0	534.0	424.5	282.5	154.0	67.5	24.0	9.0
6	9.5	31.0	88.0	199.0	360.5	533.0	675.5	734.0	675.5	533.0	360.5	199.0	88.0	31.0	9.5
0	10.0	34.0	96.0	218.0	388.5	575.5	732.0	794.0	732.0	575.5	388.5	218.0	96.0	34.0	10.0
6	9.5	31.0	88.0	199.0	360.5	533.0	675.5	734.0	675.5	533.0	360.5	199.0	88.0	31.0	9.5
12	9.0	24.0	67.5	154.0	282.5	424.5	534.0	580.0	534.0	424.5	282.5	154.0	67.5	24.0	9.0
18	8.5	16.0	42.0	98.5	186.0	286.0	362.5	390.5	362.5	286.0	186.0	98.5	42.0	16.0	8.5
24	7.5	10.0	23.0	52.0	100.5	158.5	204.5	223.5	204.5	158.5	100.5	52.0	23.0	10.0	7.5
30	7.0	8.5	11.5	23.5	44.0	71.0	93.0	102.0	93.0	71.0	44.0	23.5	11.5	8.5	7.0

619.00  
 1'335.50 1'254.50  
 2'389.50 2'256.50  
 3'571.00 3'370.00  
 4'527.00 4'270.00  
 4'902.00 4'622.00  
 4'527.00 4'270.00  
 3'571.00 3'370.00  
 2'389.50 2'256.50  
 1'335.50 1'254.50  
 619.00

Summe 29'786.00 26'924.00  
**PAR pro Watt 310.27 280.46**  
**PAR im Mittel 180.52 332.40**

Beleuchtungsstärke 100 % x = 0.296  
 Leistungsaufnahme gemessen 96.0 Watt y = 0.263  
 Lux 50'000 lx z = 0.441



## H = 45cm

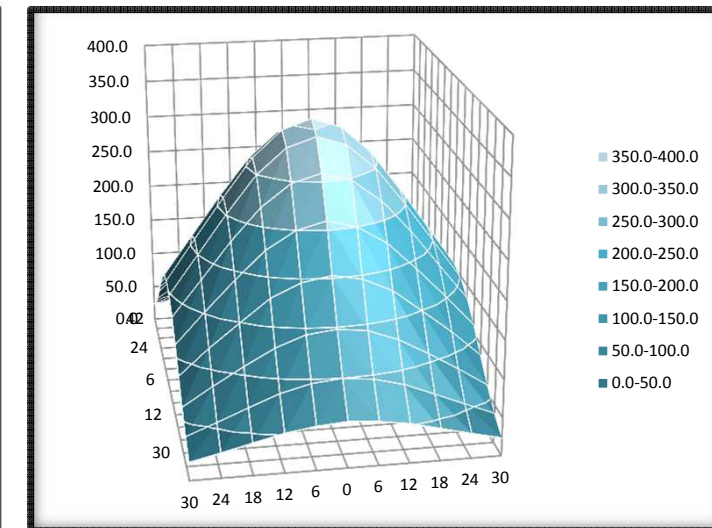
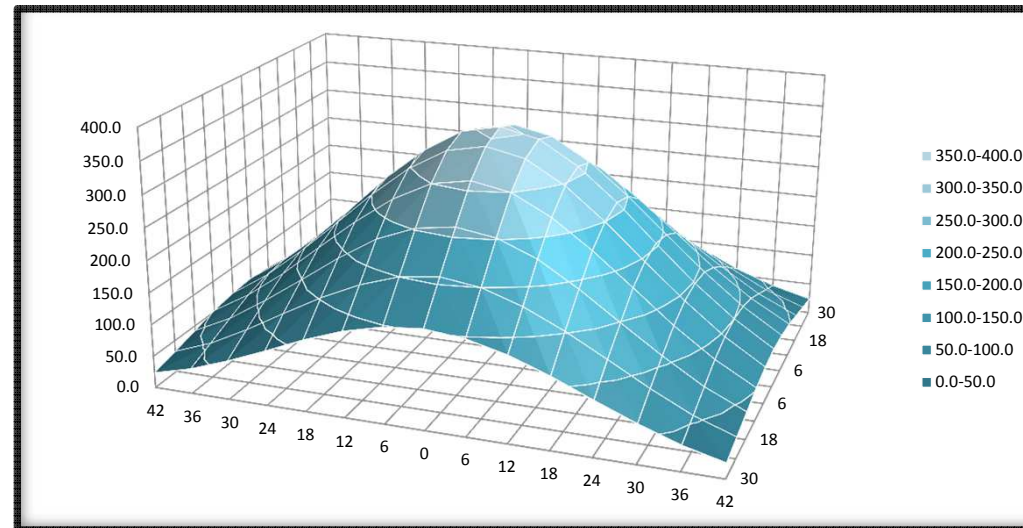
**Modul:** LEDURON Aquatic Light 100W / Reefwhite; 14'000K  
**Raumtemperatur:** 19 Grad Celsius **Raum:** Abgedunkelt  
**Messinstrument:** kalibriertes Spektrometer **Einheit:** PAR in  $\mu\text{mol}/\text{m}^2/\text{sec}$   
**Abstand von Sensor bis uk Modul:** 45 cm **Leistungsangabe Hersteller:** 100 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	23.5	39.0	60.5	85.0	111.0	133.0	148.0	154.0	148.0	133.0	111.0	85.0	60.5	39.0	23.5
24	32.5	54.5	85.0	119.0	152.0	180.0	200.0	208.0	200.0	180.0	152.0	119.0	85.0	54.5	32.5
18	42.0	70.5	108.0	149.0	191.0	228.0	252.0	261.0	252.0	228.0	191.0	149.0	108.0	70.5	42.0
12	51.5	86.0	129.0	178.5	227.0	269.5	300.0	311.0	300.0	269.5	227.0	178.5	129.0	86.0	51.5
6	57.5	96.0	143.5	196.0	250.0	298.0	332.5	345.0	332.5	298.0	250.0	196.0	143.5	96.0	57.5
0	60.5	100.0	148.0	203.0	260.0	309.0	345.0	358.0	345.0	309.0	260.0	203.0	148.0	100.0	60.5
6	57.5	96.0	143.5	196.0	250.0	298.0	332.5	345.0	332.5	298.0	250.0	196.0	143.5	96.0	57.5
12	51.5	86.0	129.0	178.5	227.0	269.5	300.0	311.0	300.0	269.5	227.0	178.5	129.0	86.0	51.5
18	42.0	70.5	108.0	149.0	191.0	228.0	252.0	261.0	252.0	228.0	191.0	149.0	108.0	70.5	42.0
24	32.5	54.5	85.0	119.0	152.0	180.0	200.0	208.0	200.0	180.0	152.0	119.0	85.0	54.5	32.5
30	23.5	39.0	60.5	85.0	111.0	133.0	148.0	154.0	148.0	133.0	111.0	85.0	60.5	39.0	23.5

1'354.00  
 1'854.00 1'510.00  
 2'342.00 1'901.00  
 2'794.00 2'261.00  
 3'092.00 2'498.00  
 3'209.00 2'592.00  
 3'092.00 2'498.00  
 2'794.00 2'261.00  
 2'342.00 1'901.00  
 1'854.00 1'510.00  
 1'354.00

Summe 26'081.00 18'932.00  
**PAR pro Watt 271.68 197.21**  
**PAR im Mittel 158.07 233.73**

Beleuchtungsstärke 100 % x = 0.295  
 Leistungsaufnahme gemessen 96.0 Watt y = 0.262  
 Lux 22'500 lx z = 0.442



## H = 60 cm

**Modul:** LEDURON Aquatic Light 100W / Reefwhite; 14'000K  
**Raumtemperatur:** 19 Grad Celsius **Raum:** Abgedunkelt  
**Messinstrument:** kalibriertes Spektrometer **Einheit:** PAR in  $\mu\text{mol}/\text{m}^2/\text{sec}$   
**Abstand von Sensor bis uk Modul:** 60 cm **Leistungsangabe Hersteller:** 100 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	48.5	63.0	78.0	93.5	106.5	117.0	124.0	127.5	124.0	117.0	106.5	93.5	78.0	63.0	48.5
24	58.5	74.0	91.5	108.5	124.5	137.0	144.5	148.0	144.5	137.0	124.5	108.5	91.5	74.0	58.5
18	67.0	85.0	103.5	123.0	141.0	155.5	164.5	168.0	164.5	155.5	141.0	123.0	103.5	85.0	67.0
12	73.5	93.0	114.0	135.0	154.5	170.5	181.0	185.5	181.0	170.5	154.5	135.0	114.0	93.0	73.5
6	77.0	98.0	120.0	142.5	163.5	181.0	192.5	195.5	192.5	181.0	163.5	142.5	120.0	98.0	77.0
0	78.5	99.0	122.0	145.0	166.5	184.0	196.0	201.0	196.0	184.0	166.5	145.0	122.0	99.0	78.5
6	77.0	98.0	120.0	142.5	163.5	181.0	192.5	195.5	192.5	181.0	163.5	142.5	120.0	98.0	77.0
12	73.5	93.0	114.0	135.0	154.5	170.5	181.0	185.5	181.0	170.5	154.5	135.0	114.0	93.0	73.5
18	67.0	85.0	103.5	123.0	141.0	155.5	164.5	168.0	164.5	155.5	141.0	123.0	103.5	85.0	67.0
24	58.5	74.0	91.5	108.5	124.5	137.0	144.5	148.0	144.5	137.0	124.5	108.5	91.5	74.0	58.5
30	48.5	63.0	78.0	93.5	106.5	117.0	124.0	127.5	124.0	117.0	106.5	93.5	78.0	63.0	48.5

1'388.50  
 1'625.00 1'177.00  
 1'847.00 1'336.00  
 2'028.50 1'467.50  
 2'144.50 1'554.50  
 2'183.00 1'584.00  
 2'144.50 1'554.50  
 2'028.50 1'467.50  
 1'847.00 1'336.00  
 1'625.00 1'177.00  
 1'388.50

Summe 20'250.00 12'654.00  
**PAR pro Watt 210.94 131.81**  
**PAR im Mittel 122.73 156.22**

Beleuchtungsstärke 100 % x =  
 Leistungsaufnahme gemessen 96.0 Watt y =  
 Lux lx z =

