

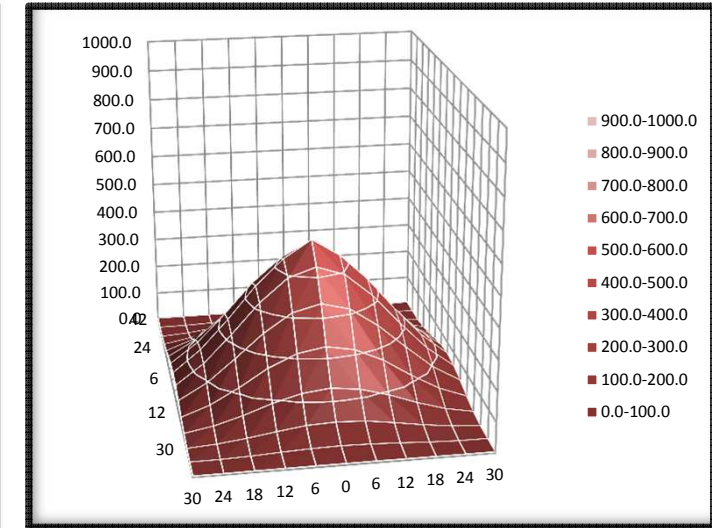
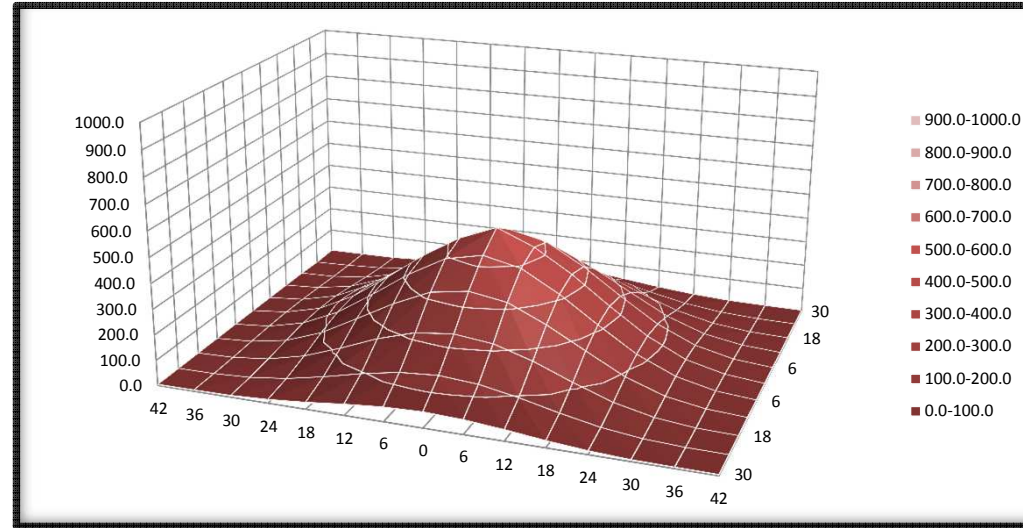
# LEDURON Aquatic Light 50W / Reefwhite; 14'000K

## H = 30cm

**Modul:** LEDURON Aquatic Light 50W / 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:** 50 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	4.0	5.0	6.5	14.0	26.5	43.0	56.0	61.5	56.0	43.0	26.5	14.0	6.5	5.0	4.0
24	4.0	5.5	13.0	31.0	61.0	96.0	124.0	135.0	124.0	96.0	61.0	31.0	13.0	5.5	4.0
18	4.5	8.5	24.5	58.5	112.0	171.5	216.5	233.0	216.5	171.5	112.0	58.5	24.5	8.5	4.5
12	4.5	13.5	39.0	92.0	170.5	251.0	317.5	341.0	317.5	251.0	170.5	92.0	39.0	13.5	4.5
6	5.0	17.5	52.0	118.0	212.5	313.0	395.0	427.5	395.0	313.0	212.5	118.0	52.0	17.5	5.0
0	5.0	19.5	56.0	129.0	229.0	336.5	426.0	486.0	426.0	336.5	229.0	129.0	56.0	19.5	5.0
6	5.0	17.5	52.0	118.0	212.5	313.0	395.0	427.5	395.0	313.0	212.5	118.0	52.0	17.5	5.0
12	4.5	13.5	39.0	92.0	170.5	251.0	317.5	341.0	317.5	251.0	170.5	92.0	39.0	13.5	4.5
18	4.5	8.5	24.5	58.5	112.0	171.5	216.5	233.0	216.5	171.5	112.0	58.5	24.5	8.5	4.5
24	1.0	5.5	13.0	31.0	61.0	96.0	124.0	135.0	124.0	96.0	61.0	31.0	13.0	5.5	4.0
30	4.0	5.0	6.5	14.0	26.5	43.0	56.0	61.5	56.0	43.0	26.5	14.0	6.5	5.0	4.0

371.50  
 804.00 759.00  
 1'425.00 1'350.00  
 2'117.00 2'003.00  
 2'653.50 2'504.50  
 2'888.00 2'727.00  
 2'653.50 2'504.50  
 2'117.00 2'003.00  
 1'425.00 1'350.00  
 801.00 759.00  
 371.50



Beleuchtungsstärke 100 % x = 0.294  
 Leistungsaufnahme gemessen 58.0 Watt y = 0.259  
 Lux 30'450 lx z = 0.446

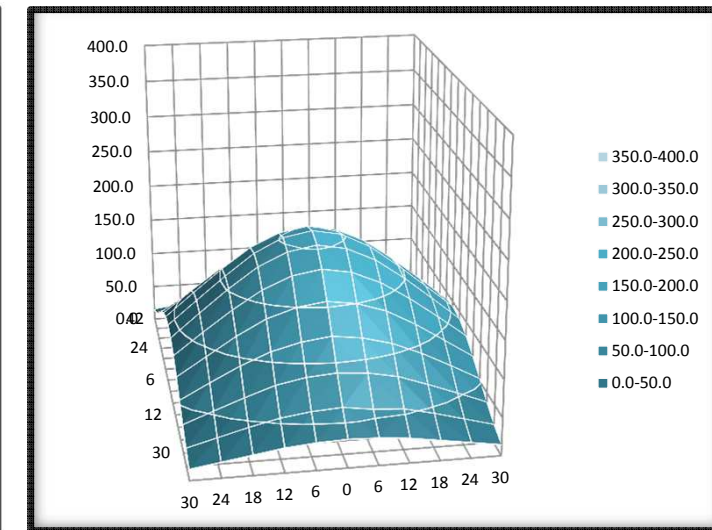
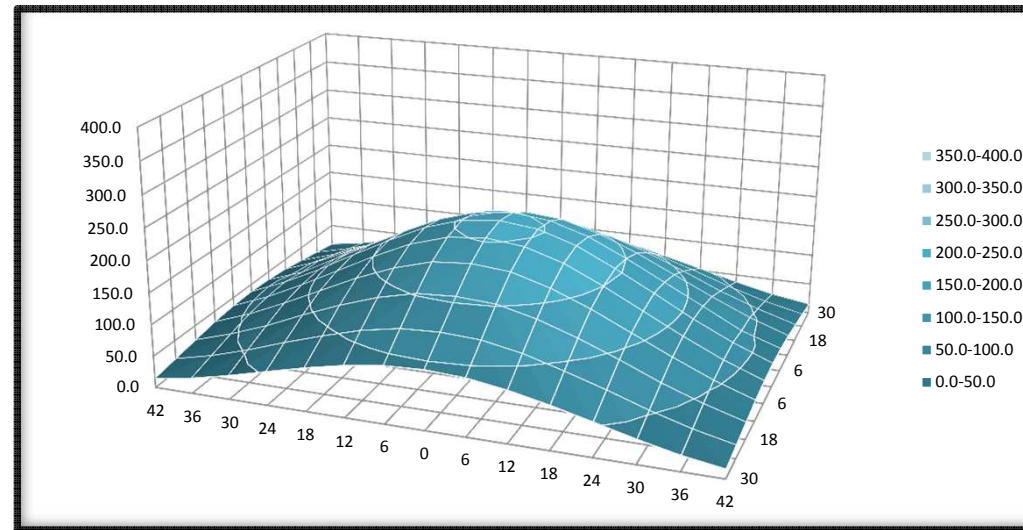
Summe 17'627.00 15'960.00  
**PAR pro Watt 303.91 275.17**  
**PAR im Mittel 106.83 197.04**

## H = 45cm

**Modul:** LEDURON Aquatic Light 50W / 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:** 50 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	14.5	24.0	37.5	53.0	68.0	81.0	90.0	93.0	90.0	81.0	68.0	53.0	37.5	24.0	14.5
24	20.5	34.5	52.5	73.5	92.5	110.0	121.5	124.5	121.5	110.0	92.5	73.5	52.5	34.5	20.5
18	26.5	45.0	67.0	93.0	117.0	137.5	152.0	155.5	152.0	137.5	117.0	93.0	67.0	45.0	26.5
12	32.5	54.0	80.5	109.0	137.5	161.5	179.0	184.0	179.0	161.5	137.5	109.0	80.5	54.0	32.5
6	36.0	59.5	88.0	119.0	150.0	178.0	196.5	203.0	196.5	178.0	150.0	119.0	88.0	59.5	36.0
0	37.5	62.0	91.0	124.0	155.5	184.5	203.5	210.0	203.5	184.5	155.5	124.0	91.0	62.0	37.5
6	36.0	56.5	88.0	119.0	150.0	178.0	196.5	203.0	196.5	178.0	150.0	119.0	88.0	56.5	36.0
12	32.5	54.0	80.5	109.0	137.5	161.5	179.0	184.0	179.0	161.5	137.5	109.0	80.5	54.0	32.5
18	26.5	45.0	67.0	93.0	117.0	137.5	152.0	155.5	152.0	137.5	117.0	93.0	67.0	45.0	26.5
24	20.5	34.5	52.5	73.5	92.5	110.0	121.5	124.5	121.5	110.0	92.5	73.5	52.5	34.5	20.5
30	14.5	24.0	37.5	53.0	68.0	81.0	90.0	93.0	90.0	81.0	68.0	53.0	37.5	24.0	14.5

829.00  
 1'134.50 919.50  
 1'431.50 1'154.50  
 1'692.00 1'358.00  
 1'857.00 1'490.00  
 1'926.00 1'545.00  
 1'851.00 1'490.00  
 1'692.00 1'358.00  
 1'431.50 1'154.50  
 1'134.50 919.50  
 829.00



Beleuchtungsstärke 100 % x = 0.294  
 Leistungsaufnahme gemessen 58.0 Watt y = 0.260  
 Lux 13'150 lx z = 0.446

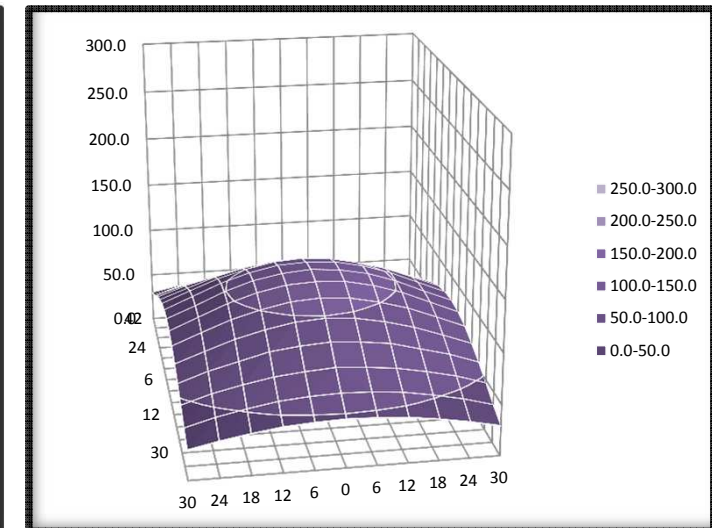
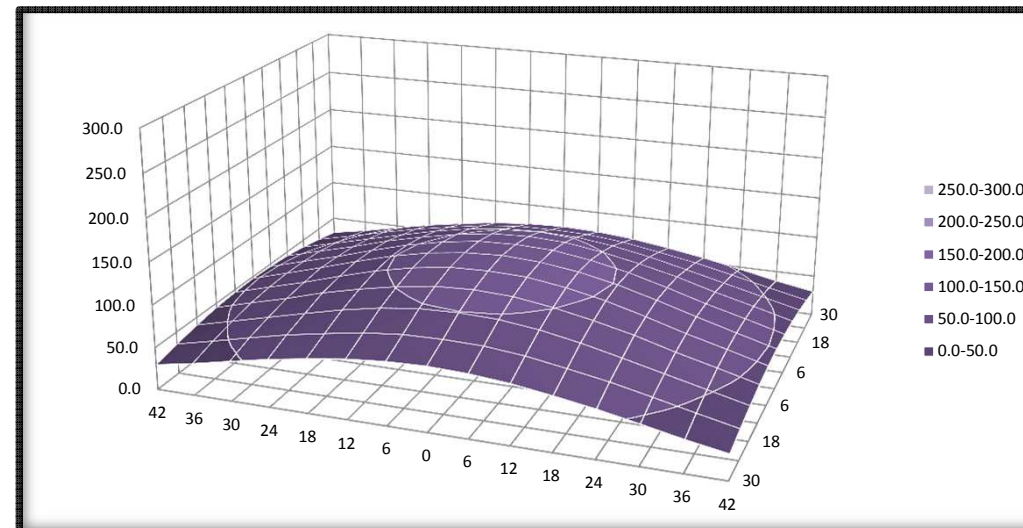
Summe 15'808.00 11'389.00  
**PAR pro Watt 272.55 196.36**  
**PAR im Mittel 95.81 140.60**

## H = 60 cm

**Modul:** LEDURON Aquatic Light 50W / 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:** 50 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	29.5	37.5	47.0	56.0	63.5	70.0	74.0	75.5	74.0	70.0	63.5	56.0	47.0	37.5	29.5
24	35.5	45.5	56.0	66.0	74.0	81.5	86.0	87.0	86.0	81.5	74.0	66.0	56.0	45.5	35.5
18	40.5	51.5	62.5	73.5	84.0	92.5	98.0	99.5	98.0	92.5	84.0	73.5	62.5	51.5	40.5
12	44.5	56.5	68.0	81.0	91.5	100.5	107.0	109.0	107.0	100.5	91.5	81.0	68.0	56.5	44.5
6	46.5	59.0	71.0	84.5	97.0	106.5	113.0	114.5	113.0	106.5	97.0	84.5	71.0	59.0	46.5
0	47.5	60.0	73.0	86.5	99.0	108.5	114.5	117.0	114.5	108.5	99.0	86.5	73.0	60.0	47.5
6	46.5	59.0	71.0	84.5	97.0	106.5	113.0	114.5	113.0	106.5	97.0	84.5	71.0	59.0	46.5
12	44.5	56.5	68.0	81.0	91.5	100.5	107.0	109.0	107.0	100.5	91.5	81.0	68.0	56.5	44.5
18	40.5	51.5	62.5	73.5	84.0	92.5	98.0	99.5	98.0	92.5	84.0	73.5	62.5	51.5	40.5
24	35.5	45.5	56.0	66.0	74.0	81.5	86.0	87.0	86.0	81.5	74.0	66.0	56.0	45.5	35.5
30	29.5	37.5	47.0	56.0	63.5	70.0	74.0	75.5	74.0	70.0	63.5	56.0	47.0	37.5	29.5

830.50  
 976.00 702.00  
 1'104.50 795.50  
 1'207.00 869.00  
 1'269.50 916.50  
 1'295.00 934.00  
 1'269.50 916.50  
 1'207.00 869.00  
 1'104.50 795.50  
 976.00 702.00  
 830.50



Beleuchtungsstärke 100 % x = 0.294  
 Leistungsaufnahme gemessen 58.0 Watt y = 0.260  
 Lux 7'300 lx z = 0.446

Summe 12'070.00 7'500.00  
**PAR pro Watt 208.10 129.31**  
**PAR im Mittel 73.15 92.59**