

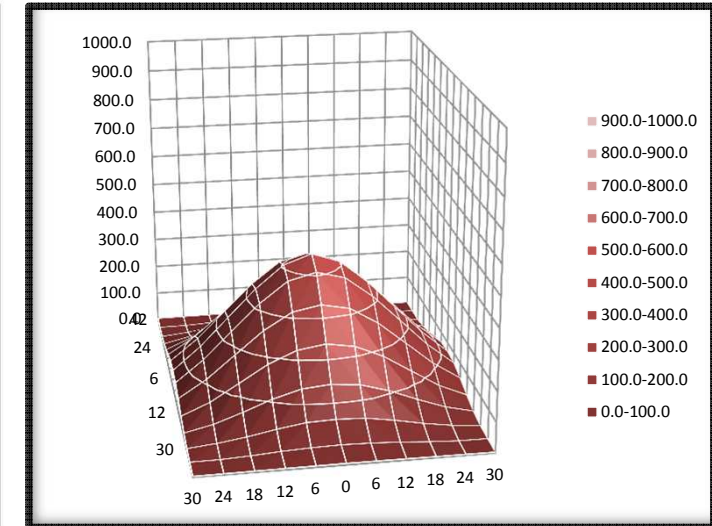
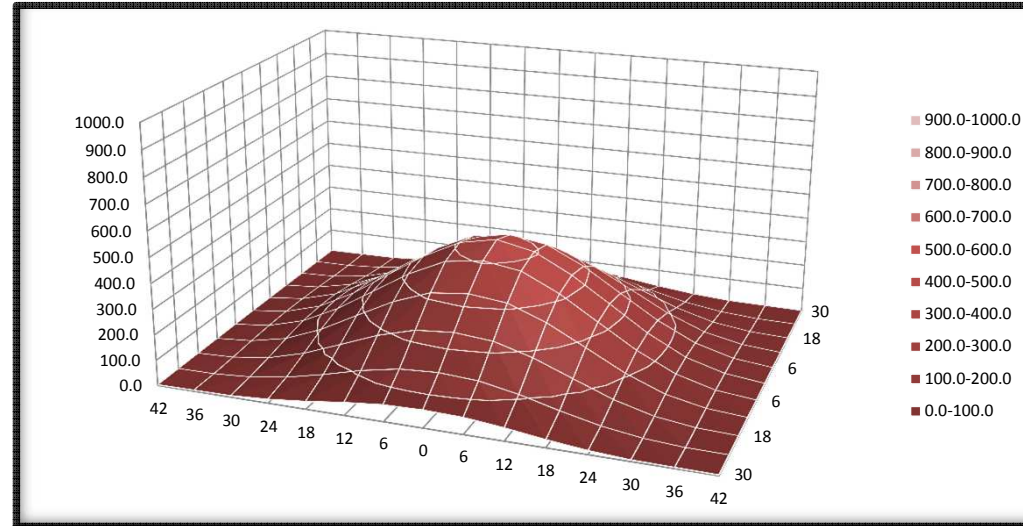
# LEDURON Aquatic Light 90W / XP Blue

## H = 30cm

**Modul:** LEDURON Aquatic Light 90W / XP Blue  
**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:** 90 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42		
30	3.0	4.5	6.0	15.0	30.5	50.0	65.0	69.0	65.0	50.0	30.5	15.0	6.0	4.5	3.0	417.00	
24	3.5	5.0	15.0	36.5	70.0	108.5	137.0	146.0	137.0	108.5	70.0	36.5	15.0	5.0	3.5	897.00	850.00
18	4.0	9.5	29.0	69.5	126.5	184.5	226.5	239.0	226.5	184.5	126.5	69.5	29.0	9.5	4.0	1'538.00	1'453.00
12	4.5	16.0	47.0	106.0	183.5	259.5	315.0	331.0	315.0	259.5	183.5	106.0	47.0	16.0	4.5	2'194.00	2'059.00
6	5.0	20.5	61.5	133.0	223.5	315.0	384.5	406.0	384.5	315.0	223.5	133.0	61.5	20.5	5.0	2'692.00	2'518.00
0	5.5	22.5	65.0	141.5	238.0	333.0	408.0	438.0	408.0	333.0	238.0	141.5	65.0	22.5	5.5	2'865.00	2'679.00
6	5.0	20.5	61.5	133.0	223.5	315.0	384.5	406.0	384.5	315.0	223.5	133.0	61.5	20.5	5.0	2'692.00	2'518.00
12	4.5	16.0	47.0	106.0	183.5	259.5	315.0	331.0	315.0	259.5	183.5	106.0	47.0	16.0	4.5	2'194.00	2'059.00
18	4.0	9.5	29.0	69.5	126.5	184.5	226.5	239.0	226.5	184.5	126.5	69.5	29.0	9.5	4.0	1'538.00	1'453.00
24	3.5	5.0	15.0	36.5	70.0	108.5	137.0	146.0	137.0	108.5	70.0	36.5	15.0	5.0	3.5	897.00	850.00
30	3.0	4.5	6.0	15.0	30.5	50.0	65.0	69.0	65.0	50.0	30.5	15.0	6.0	4.5	3.0	417.00	

Beleuchtungsstärke 100 % x = 0.141 **Summe** 18'341.00 16'439.00  
 Leistungsaufnahme gemessen 87.0 Watt y = 0.068 **PAR pro Watt** 210.82 188.95  
 Lux 4'700 lx z = 0.791 **PAR im Mittel** 111.16 202.95

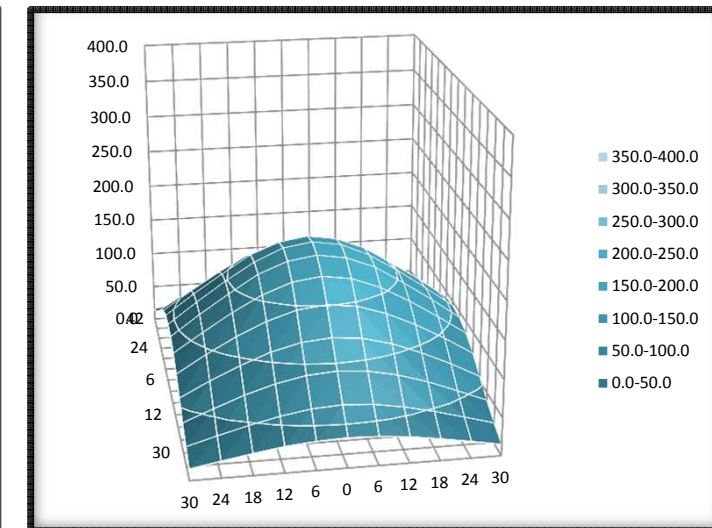
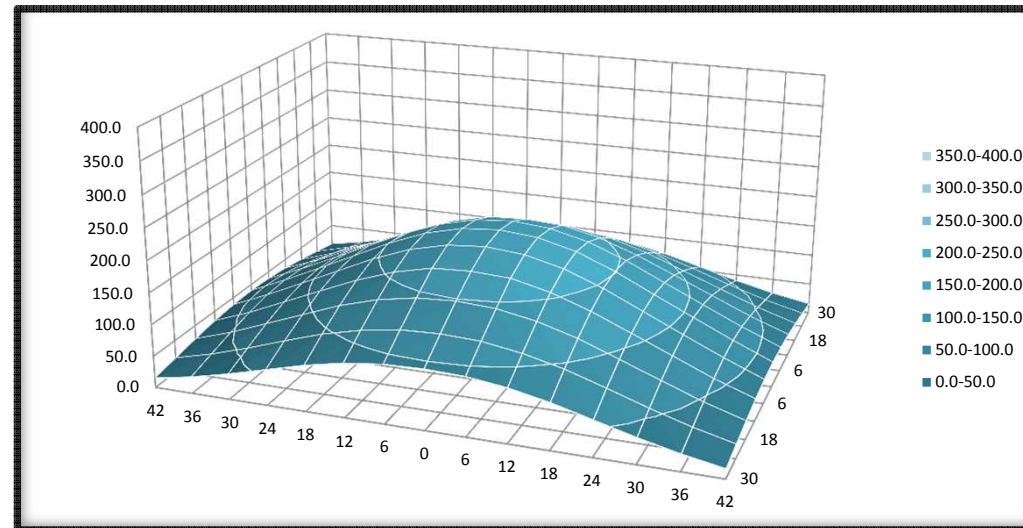


## H = 45cm

**Modul:** LEDURON Aquatic Light 90W / XP Blue  
**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:** 90 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42		
30	15.0	26.0	40.0	56.0	72.0	84.5	92.0	94.0	92.0	84.5	72.0	56.0	40.0	26.0	15.0	865.00	
24	22.0	37.0	55.5	76.0	95.5	110.0	119.5	122.0	119.5	110.0	95.5	76.0	55.5	37.0	22.0	1'153.00	924.00
18	28.5	47.5	70.5	93.5	116.5	134.0	145.0	148.5	145.0	134.0	116.5	93.5	70.5	47.5	28.5	1'419.50	1'126.50
12	34.5	56.5	82.5	108.5	134.0	155.0	169.0	172.0	169.0	155.0	134.0	108.5	82.5	56.5	34.5	1'652.00	1'305.00
6	38.0	63.0	90.5	118.5	146.5	169.5	184.0	189.0	184.0	169.5	146.5	118.5	90.5	63.0	38.0	1'809.00	1'426.00
0	39.5	65.5	93.5	122.0	151.0	175.0	190.0	195.0	190.0	175.0	151.0	122.0	93.5	65.5	39.5	1'868.00	1'471.00
6	38.0	63.0	90.5	118.5	146.5	169.5	184.0	189.0	184.0	169.5	146.5	118.5	90.5	63.0	38.0	1'809.00	1'426.00
12	34.5	56.5	82.5	108.5	134.0	155.0	169.0	172.0	169.0	155.0	134.0	108.5	82.5	56.5	34.5	1'652.00	1'305.00
18	28.5	47.5	70.5	93.5	116.5	134.0	145.0	148.5	145.0	134.0	116.5	93.5	70.5	47.5	28.5	1'419.50	1'126.50
24	22.0	37.0	55.5	76.0	95.5	110.0	119.5	122.0	119.5	110.0	95.5	76.0	55.5	37.0	22.0	1'153.00	924.00
30	15.0	26.0	40.0	56.0	72.0	84.5	92.0	94.0	92.0	84.5	72.0	56.0	40.0	26.0	15.0	865.00	

Beleuchtungsstärke 100 % x = 0.141 **Summe** 15'665.00 11'034.00  
 Leistungsaufnahme gemessen 87.0 Watt y = 0.067 **PAR pro Watt** 180.06 126.83  
 Lux 2'100 lx z = 0.791 **PAR im Mittel** 94.94 136.22



## H = 60 cm

**Modul:** LEDURON Aquatic Light 90W / XP Blue  
**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:** 90 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42		
30	32.5	40.5	49.5	57.5	65.0	70.0	72.0	73.5	72.0	70.0	65.0	57.5	49.5	40.5	32.5	847.50	
24	38.0	47.0	57.5	66.0	74.0	80.0	83.5	84.0	83.5	80.0	74.0	66.0	57.5	47.0	38.0	976.00	691.00
18	43.5	54.5	63.0	73.0	82.5	89.0	93.0	94.0	93.0	89.0	82.5	73.0	63.0	54.5	43.5	1'091.00	769.00
12	46.5	57.0	68.0	79.5	88.0	96.0	100.0	101.5	100.0	96.0	88.0	79.5	68.0	57.0	46.5	1'171.50	828.50
6	49.0	59.5	70.5	81.5	92.5	101.0	105.0	106.5	105.0	101.0	92.5	81.5	70.5	59.5	49.0	1'224.50	866.50
0	49.5	60.5	71.5	83.5	93.5	102.0	106.0	108.0	106.0	102.0	93.5	83.5	71.5	60.5	49.5	1'241.00	878.00
6	49.0	59.5	70.5	81.5	92.5	101.0	105.0	106.5	105.0	101.0	92.5	81.5	70.5	59.5	49.0	1'224.50	866.50
12	46.5	57.0	68.0	79.5	88.0	96.0	100.0	101.5	100.0	96.0	88.0	79.5	68.0	57.0	46.5	1'171.50	828.50
18	43.5	54.5	63.0	73.0	82.5	89.0	93.0	94.0	93.0	89.0	82.5	73.0	63.0	54.5	43.5	1'091.00	769.00
24	38.0	47.0	57.5	66.0	74.0	80.0	83.5	84.0	83.5	80.0	74.0	66.0	57.5	47.0	38.0	976.00	691.00
30	32.5	40.5	49.5	57.5	65.0	70.0	72.0	73.5	72.0	70.0	65.0	57.5	49.5	40.5	32.5	847.50	

Beleuchtungsstärke 100 % x = 0.141 **Summe** 11'862.00 7'188.00  
 Leistungsaufnahme gemessen 87.0 Watt y = 0.067 **PAR pro Watt** 136.34 82.62  
 Lux 1'150 lx z = 0.791 **PAR im Mittel** 71.89 88.74

