

# Orphek LED Atlantik compact V2.1B

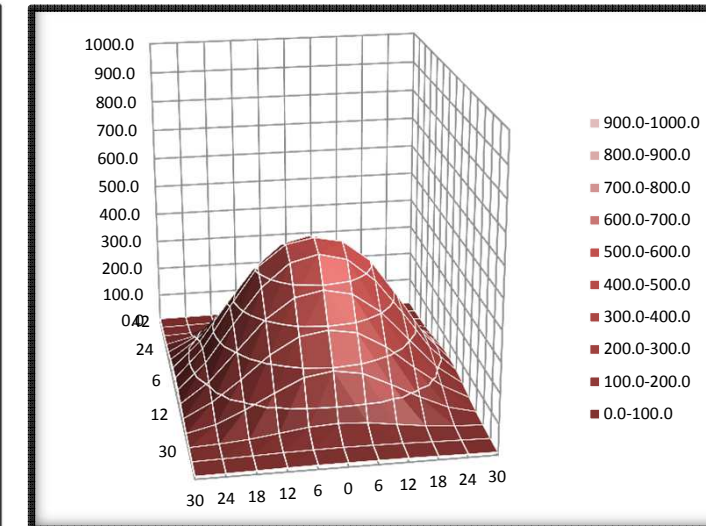
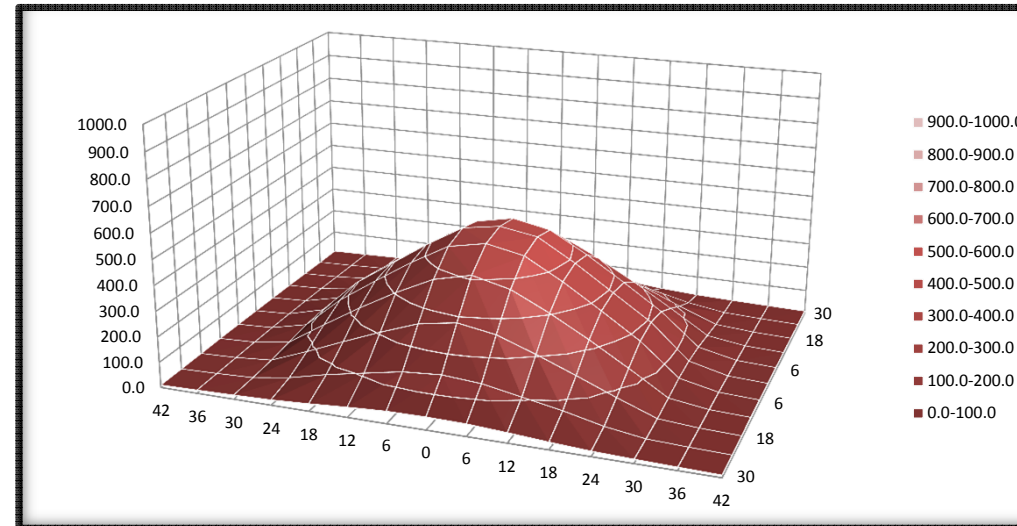
## H = 30cm

**Modul:** Orphek LED Atlantik compact V2.1B  
**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:** 104 - 110 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	9.0	12.0	15.5	20.0	28.5	39.0	47.5	49.5	47.5	39.0	28.5	20.0	15.5	12.0	9.0
24	10.0	14.0	20.0	42.5	77.5	106.0	134.0	145.0	134.0	106.0	77.5	42.5	20.0	14.0	10.0
18	11.0	16.0	27.5	84.5	146.0	205.0	259.0	284.0	259.0	205.0	146.0	84.5	27.5	16.0	11.0
12	12.5	18.5	40.0	133.0	222.0	304.0	375.5	411.0	375.5	304.0	222.0	133.0	40.0	18.5	12.5
6	13.0	20.0	53.0	177.5	275.5	369.5	452.0	481.5	452.0	369.5	275.5	177.5	53.0	20.0	13.0
0	13.0	20.5	58.0	192.5	290.5	388.5	475.0	499.0	475.0	388.5	290.5	192.5	58.0	20.5	13.0
6	13.0	20.0	53.0	177.5	275.5	369.5	452.0	481.5	452.0	369.5	275.5	177.5	53.0	20.0	13.0
12	12.5	18.5	40.0	133.0	222.0	304.0	375.5	411.0	375.5	304.0	222.0	133.0	40.0	18.5	12.5
18	11.0	16.0	27.5	84.5	146.0	205.0	259.0	284.0	259.0	205.0	146.0	84.5	27.5	16.0	11.0
24	10.0	14.0	20.0	42.5	77.5	106.0	134.0	145.0	134.0	106.0	77.5	42.5	20.0	14.0	10.0
30	9.0	12.0	15.5	20.0	28.5	39.0	47.5	49.5	47.5	39.0	28.5	20.0	15.5	12.0	9.0

392.50  
 953.00  
 1'673.00  
 2'480.00  
 3'030.50  
 3'375.00  
 3'202.50  
 2'622.00  
 1'782.00  
 953.00  
 865.00  
 1'673.00  
 2'480.00  
 3'030.50  
 3'375.00  
 3'202.50  
 2'622.00  
 1'673.00  
 953.00  
 865.00

**Beleuchtungsstärke** 100 % x = 0.213  
**Leistungsaufnahme gemessen** 108.5 Watt y = 0.152  
**Lux** 17'800 lx z = 0.635  
**Summe** 21'279.00 19'289.00  
**PAR pro Watt** 196.12 177.78  
**PAR im Mittel** 128.96 238.14



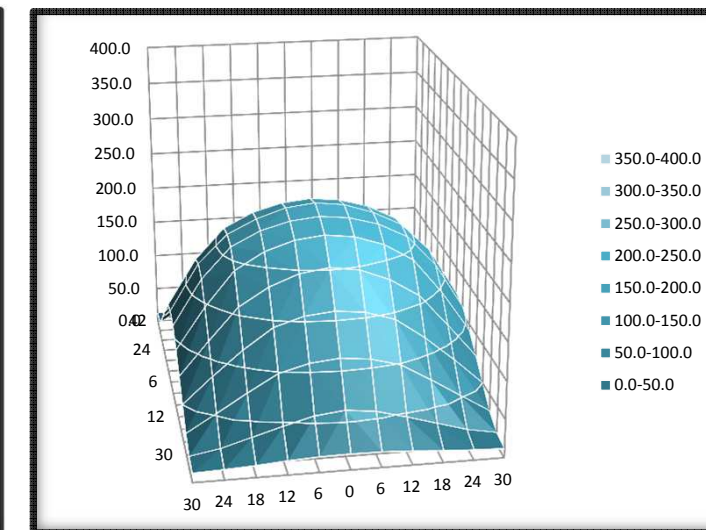
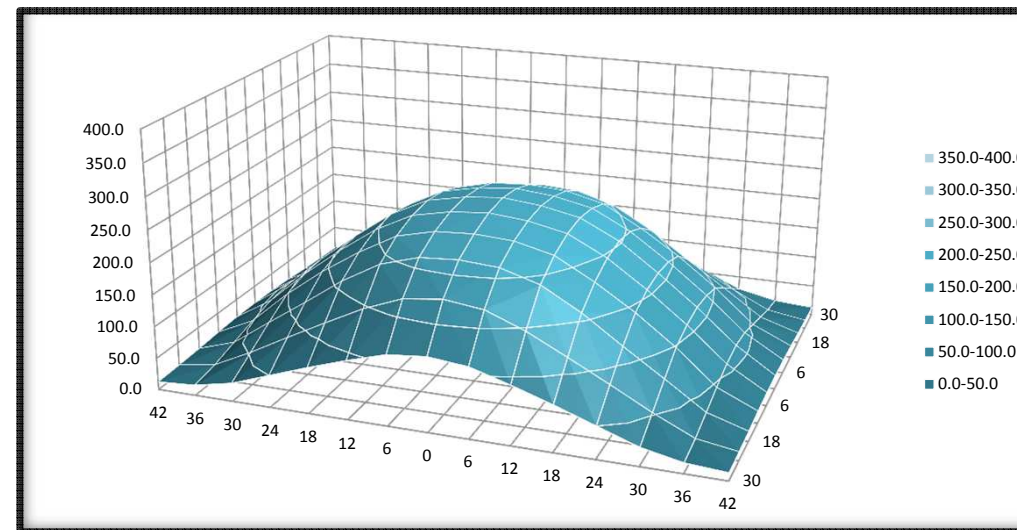
## H = 45cm

**Modul:** Orphek LED Atlantik compact V2.1B  
**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:** 104 - 110 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	12.0	16.0	28.5	50.0	71.5	91.5	109.5	115.5	109.5	91.5	71.5	50.0	28.5	16.0	12.0
24	13.5	23.0	52.0	84.5	116.0	146.5	170.0	177.5	170.0	146.5	116.0	84.5	52.0	23.0	13.5
18	15.5	34.5	76.0	116.5	158.5	192.5	210.5	214.5	210.5	192.5	158.5	116.5	76.0	34.5	15.5
12	18.5	46.0	98.5	143.5	182.0	215.0	229.5	233.0	229.5	215.0	182.0	143.5	98.5	46.0	18.5
6	20.5	56.5	109.0	155.5	197.0	227.5	240.0	245.5	240.0	227.5	197.0	155.5	109.0	56.5	20.5
0	21.0	61.0	113.0	159.5	202.5	232.0	244.0	250.0	244.0	232.0	202.5	159.5	113.0	61.0	21.0
6	20.5	56.5	109.0	155.5	197.0	227.5	240.0	245.5	240.0	227.5	197.0	155.5	109.0	56.5	20.5
12	18.5	46.0	98.5	143.5	182.0	215.0	229.5	233.0	229.5	215.0	182.0	143.5	98.5	46.0	18.5
18	15.5	34.5	76.0	116.5	158.5	192.5	210.5	214.5	210.5	192.5	158.5	116.5	76.0	34.5	15.5
24	13.5	23.0	52.0	84.5	116.0	146.5	170.0	177.5	170.0	146.5	116.0	84.5	52.0	23.0	13.5
30	12.0	16.0	28.5	50.0	71.5	91.5	109.5	115.5	109.5	91.5	71.5	50.0	28.5	16.0	12.0

873.50  
 1'388.50  
 1'822.50  
 2'099.00  
 2'257.50  
 2'316.00  
 2'257.50  
 2'099.00  
 1'822.50  
 1'388.50  
 873.50

**Beleuchtungsstärke** 100 % x = 0.213  
**Leistungsaufnahme gemessen** 108.5 Watt y = 0.153  
**Lux** 8'950 lx z = 0.634  
**Summe** 19'198.00 14'807.00  
**PAR pro Watt** 176.94 136.47  
**PAR im Mittel** 116.35 182.80



## H = 60 cm

**Modul:** Orphek LED Atlantik compact V2.1B  
**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:** 104 - 110 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	20.5	38.0	57.0	76.5	94.5	108.0	113.5	114.5	113.5	108.0	94.5	76.5	57.0	38.0	20.5
24	29.5	53.5	77.5	97.5	113.5	123.0	127.0	128.0	127.0	123.0	113.5	97.5	77.5	53.5	29.5
18	40.0	67.0	90.0	108.5	122.5	129.5	134.5	135.0	134.5	129.5	122.5	108.5	90.0	67.0	40.0
12	47.5	76.0	97.5	117.0	129.0	135.5	140.0	141.0	140.0	135.5	129.0	117.0	97.5	76.0	47.5
6	52.0	80.5	101.0	120.0	131.0	138.5	143.0	144.5	143.0	138.5	131.0	120.0	101.0	80.5	52.0
0	53.0	82.0	103.0	121.5	132.5	140.0	144.0	146.0	144.0	140.0	132.5	121.5	103.0	82.0	53.0
6	52.0	80.5	101.0	120.0	131.0	138.5	143.0	144.5	143.0	138.5	131.0	120.0	101.0	80.5	52.0
12	47.5	76.0	97.5	117.0	129.0	135.5	140.0	141.0	140.0	135.5	129.0	117.0	97.5	76.0	47.5
18	40.0	67.0	90.0	108.5	122.5	129.5	134.5	135.0	134.5	129.5	122.5	108.5	90.0	67.0	40.0
24	29.5	53.5	77.5	97.5	113.5	123.0	127.0	128.0	127.0	123.0	113.5	97.5	77.5	53.5	29.5
30	20.5	38.0	57.0	76.5	94.5	108.0	113.5	114.5	113.5	108.0	94.5	76.5	57.0	38.0	20.5

1'130.50  
 1'371.00  
 1'519.00  
 1'626.00  
 1'676.50  
 1'698.00  
 1'676.50  
 1'626.00  
 1'519.00  
 1'371.00  
 1'130.50

**Beleuchtungsstärke** 100 % x = 0.214  
**Leistungsaufnahme gemessen** 108.5 108.5 Watt y = 0.153  
**Lux** 5'270 lx z = 0.633  
**Summe** 16'344.00 11'258.50  
**PAR pro Watt** 150.64 103.76  
**PAR im Mittel** 99.05 127.89

