

Orphek Atlantik V2.1

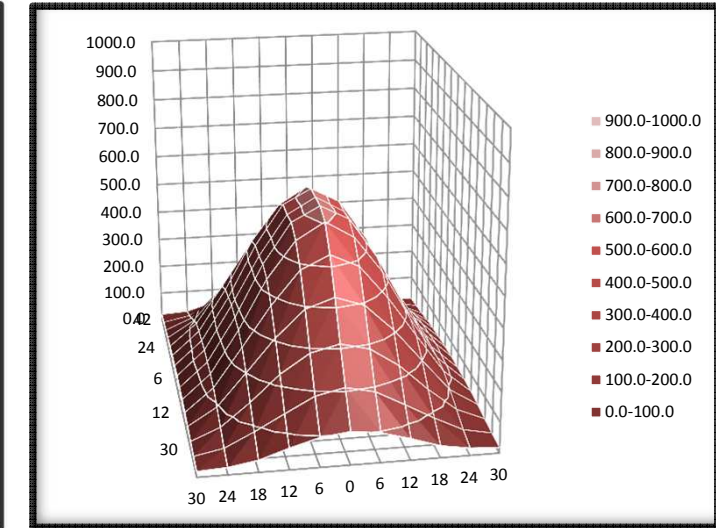
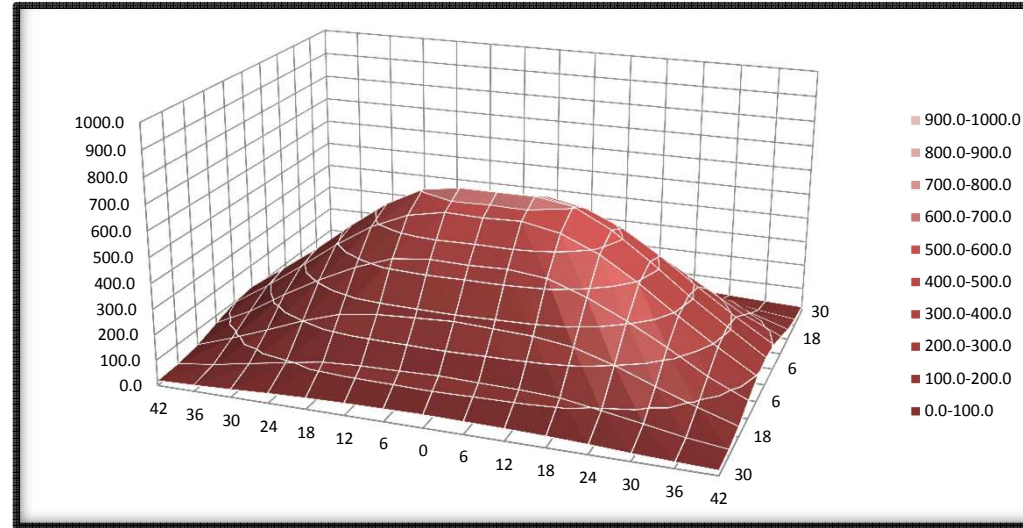
H = 30cm

Modul: Orphek Atlantik V2.1
 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: 186 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	18.5	23.5	29.5	37.5	43.0	46.5	48.5	50.5	48.5	46.5	43.0	37.5	29.5	23.5	18.5
24	23.5	42.0	68.5	94.5	119.0	127.0	129.5	133.5	129.5	127.0	119.0	94.5	68.5	42.0	23.5
18	39.0	88.0	142.5	200.0	246.5	267.0	274.5	281.5	274.5	267.0	246.5	200.0	142.5	88.0	39.0
12	70.0	139.0	227.5	307.5	377.0	430.0	446.0	442.0	446.0	430.0	377.0	307.5	227.5	139.0	70.0
6	96.5	188.5	288.5	394.0	486.5	549.5	578.5	574.0	578.5	549.5	486.5	394.0	288.5	188.5	96.5
0	108.0	209.0	311.5	425.5	529.5	604.5	626.5	626.5	604.5	529.5	425.5	311.5	209.0	108.0	
6	96.5	188.5	288.5	394.0	486.5	549.5	578.5	574.0	578.5	549.5	486.5	394.0	288.5	188.5	96.5
12	70.0	139.0	227.5	307.5	377.0	430.0	446.0	442.0	446.0	430.0	377.0	307.5	227.5	139.0	70.0
18	39.0	88.0	142.5	200.0	246.5	267.0	274.5	281.5	274.5	267.0	246.5	200.0	142.5	88.0	39.0
24	23.5	42.0	68.5	94.5	119.0	127.0	129.5	133.5	129.5	127.0	119.0	94.5	68.5	42.0	23.5
30	18.5	23.5	29.5	37.5	43.0	46.5	48.5	50.5	48.5	46.5	43.0	37.5	29.5	23.5	18.5

544.50
 1'341.50 1'073.50
 2'796.50 2'257.50
 4'436.00 3'563.00
 5'738.00 4'591.00
 6'255.00 4'998.00
 5'738.00 4'591.00
 4'436.00 3'563.00
 2'796.50 2'257.50
 1'341.50 1'073.50
 544.50
 Summe 35'968.00 27'968.00
PAR pro Watt 202.07 157.12
PAR im Mittel 217.99 345.28

Beleuchtungsstärke 100 %
 Leistungsaufnahme gemessen 178.0 Watt
 Lux 20'050 lx
 x = 0.211
 y = 0.140
 z = 0.649



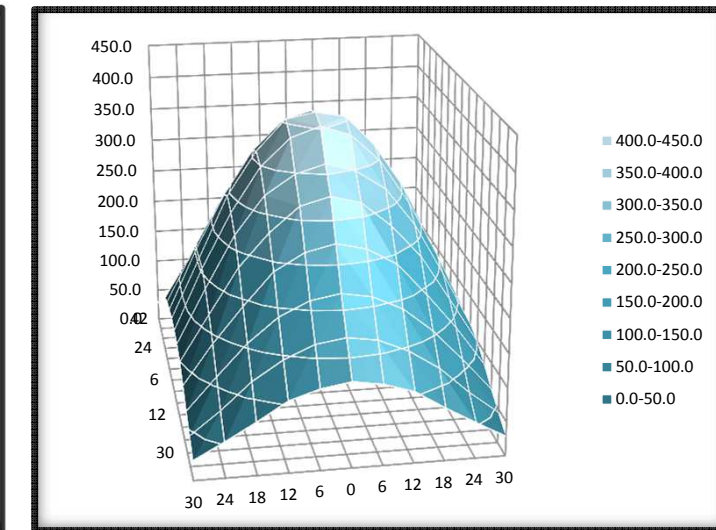
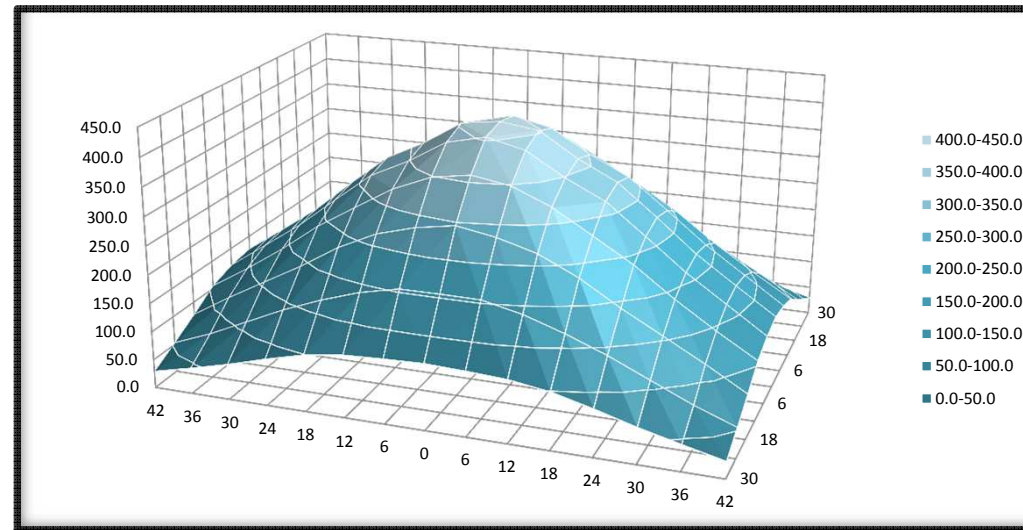
H = 45cm

Modul: Orphek Atlantik V2.1
 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: 186 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	29.0	45.0	62.0	81.5	99.0	109.0	112.5	115.0	112.5	109.0	99.0	81.5	62.0	45.0	29.0
24	52.5	78.5	109.5	140.5	167.0	189.5	204.5	205.0	204.5	189.5	167.0	140.5	109.5	78.5	52.5
18	77.5	117.5	155.0	192.0	233.5	265.5	284.5	296.0	284.5	265.5	233.5	192.0	155.0	117.5	77.5
12	104.5	145.5	190.0	239.5	280.5	320.5	348.5	359.5	348.5	320.5	280.5	239.5	190.0	145.5	104.5
6	118.5	164.5	210.5	264.0	316.0	348.5	388.5	404.0	388.5	348.5	316.0	264.0	210.5	164.5	118.5
0	125.5	171.0	218.0	274.0	327.5	361.0	403.0	412.0	403.0	361.0	327.5	274.0	218.0	171.0	125.5
6	118.5	164.5	210.5	264.0	316.0	348.5	388.5	404.0	388.5	348.5	316.0	264.0	210.5	164.5	118.5
12	104.5	145.5	190.0	239.5	280.5	320.5	348.5	359.5	348.5	320.5	280.5	239.5	190.0	145.5	104.5
18	77.5	117.5	155.0	192.0	233.5	265.5	284.5	296.0	284.5	265.5	233.5	192.0	155.0	117.5	77.5
24	52.5	78.5	109.5	140.5	167.0	189.5	204.5	205.0	204.5	189.5	167.0	140.5	109.5	78.5	52.5
30	29.0	45.0	62.0	81.5	99.0	109.0	112.5	115.0	112.5	109.0	99.0	81.5	62.0	45.0	29.0

1'191.00
 2'089.00 1'608.00
 2'947.00 2'247.00
 3'617.50 2'737.50
 4'025.00 3'038.00
 4'172.00 3'143.00
 4'025.00 3'038.00
 3'617.50 2'737.50
 2'947.00 2'247.00
 2'089.00 1'608.00
 1'191.00
 Summe 31'911.00 22'404.00
PAR pro Watt 179.28 125.87
PAR im Mittel 193.40 276.59

Beleuchtungsstärke 100 %
 Leistungsaufnahme gemessen 178.0 Watt
 Lux 13'450 lx
 x = 0.213
 y = 0.141
 z = 0.646



H = 60 cm

Modul: Orphek Atlantik V2.1
 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: 186 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	54.5	73.0	91.5	109.5	128.5	145.0	156.0	162.5	156.0	145.0	128.5	109.5	91.5	73.0	54.5
24	75.5	96.0	117.0	141.5	163.0	180.0	198.0	204.5	198.0	180.0	163.0	141.5	117.0	96.0	75.5
18	91.5	113.5	140.0	164.5	188.0	210.5	227.5	233.0	227.5	210.5	188.0	164.5	140.0	113.5	91.5
12	103.5	127.5	154.0	184.5	208.0	232.5	249.5	254.5	249.5	232.5	208.0	184.5	154.0	127.5	103.5
6	111.0	136.0	164.0	196.0	220.0	246.5	262.0	266.0	262.0	246.5	220.0	196.0	164.0	136.0	111.0
0	113.0	139.5	168.0	199.0	224.0	251.5	267.0	269.0	267.0	251.5	224.0	199.0	168.0	139.5	113.0
6	111.0	136.0	164.0	196.0	220.0	246.5	262.0	266.0	262.0	246.5	220.0	196.0	164.0	136.0	111.0
12	103.5	127.5	154.0	184.5	208.0	232.5	249.5	254.5	249.5	232.5	208.0	184.5	154.0	127.5	103.5
18	91.5	113.5	140.0	164.5	188.0	210.5	227.5	233.0	227.5	210.5	188.0	164.5	140.0	113.5	91.5
24	75.5	96.0	117.0	141.5	163.0	180.0	198.0	204.5	198.0	180.0	163.0	141.5	117.0	96.0	75.5
30	54.5	73.0	91.5	109.5	128.5	145.0	156.0	162.5	156.0	145.0	128.5	109.5	91.5	73.0	54.5

1'678.50
 2'146.50 1'569.50
 2'504.00 1'814.00
 2'773.50 2'003.50
 2'937.00 2'115.00
 2'993.00 2'152.00
 2'937.00 2'115.00
 2'773.50 2'003.50
 2'504.00 1'814.00
 2'146.50 1'569.50
 1'678.50
 Summe 27'072.00 17'156.00
PAR pro Watt 152.09 96.38
PAR im Mittel 164.07 211.80

Beleuchtungsstärke 100 %
 Leistungsaufnahme gemessen 178.0 Watt
 Lux 8'500 lx
 x = 0.210
 y = 0.136
 z = 0.654

