

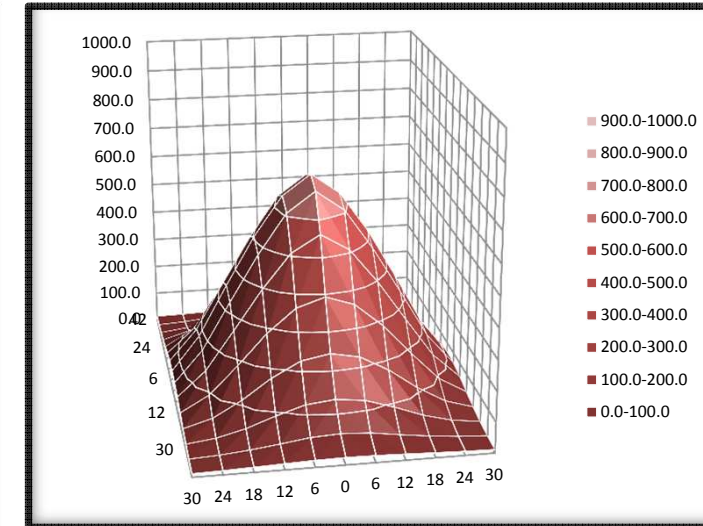
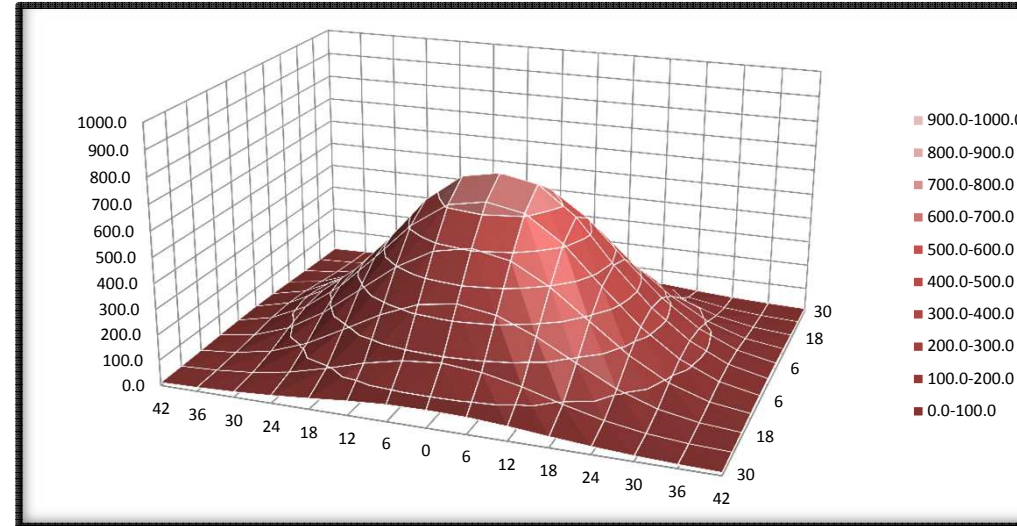
Aqua Illumination Hydra FiftyTwo HD

H = 30cm

Modul: Aqua Illumination Hydra FiftyTwo HD
 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: 120 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	11.0	14.5	20.5	29.5	41.5	55.0	65.0	67.5	65.0	55.0	41.5	29.5	20.5	14.5	11.0
24	13.0	19.5	32.5	57.0	94.0	137.5	169.5	182.5	169.5	137.5	94.0	57.0	32.5	19.5	13.0
18	16.0	28.5	56.5	109.5	186.0	265.5	326.0	349.0	326.0	265.5	186.0	109.5	56.5	28.5	16.0
12	19.5	40.5	91.0	175.5	285.5	396.5	477.5	507.0	477.5	396.5	285.5	175.5	91.0	40.5	19.5
6	22.5	54.0	120.5	225.5	362.5	509.0	608.5	636.0	608.5	509.0	362.5	225.5	120.5	54.0	22.5
0	24.0	59.0	131.0	243.0	393.0	563.5	674.0	702.0	674.0	563.5	393.0	243.0	131.0	59.0	24.0
6	22.5	54.0	120.5	225.5	362.5	509.0	608.5	636.0	608.5	509.0	362.5	225.5	120.5	54.0	22.5
12	19.5	40.5	91.0	175.5	285.5	396.5	477.5	507.0	477.5	396.5	285.5	175.5	91.0	40.5	19.5
18	16.0	28.5	56.5	109.5	186.0	265.5	326.0	349.0	326.0	265.5	186.0	109.5	56.5	28.5	16.0
24	13.0	19.5	32.5	57.0	94.0	137.5	169.5	182.5	169.5	137.5	94.0	57.0	32.5	19.5	13.0
30	11.0	14.5	20.5	29.5	41.5	55.0	65.0	67.5	65.0	55.0	41.5	29.5	20.5	14.5	11.0

Beleuchtungsstärke 100 % x = 0.193
 Leistungsaufnahme gemessen 120.0 Watt y = 0.155
 Lux 22'250 lx z = 0.652
 Summe 28'907.00 25'340.00
PAR pro Watt 240.89 211.17
PAR im Mittel 175.19 312.84

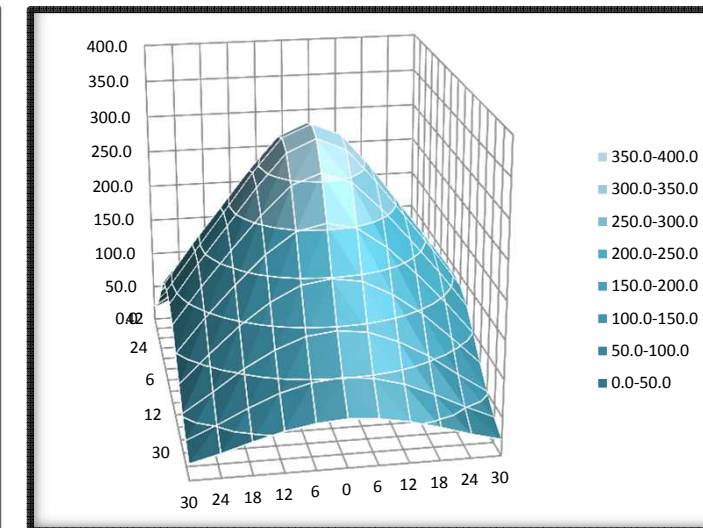
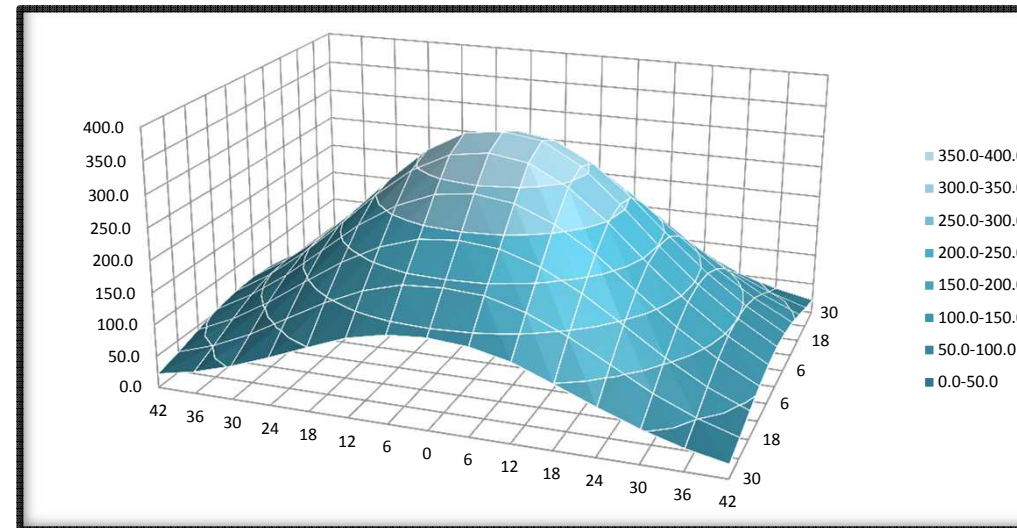


H = 45cm

Modul: Aqua Illumination Hydra FiftyTwo HD
 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: 120 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	21.5	34.0	52.0	74.5	99.0	122.5	136.0	140.5	136.0	122.5	99.0	74.5	52.0	34.0	21.5
24	31.5	51.0	77.5	111.0	144.0	171.0	188.0	191.5	188.0	171.0	144.0	111.0	77.5	51.0	31.5
18	43.5	70.0	105.0	145.5	184.5	216.0	235.5	241.0	235.5	216.0	184.5	145.5	105.0	70.0	43.5
12	54.0	86.5	126.5	173.5	221.5	259.0	283.5	291.5	283.5	259.0	221.5	173.5	126.5	86.5	54.0
6	61.0	97.0	141.5	193.0	248.5	295.5	326.0	335.0	326.0	295.5	248.5	193.0	141.5	97.0	61.0
0	64.0	101.0	146.0	199.0	257.0	309.5	342.5	351.0	342.5	309.5	257.0	199.0	146.0	101.0	64.0
6	61.0	97.0	141.5	193.0	248.5	295.5	326.0	335.0	326.0	295.5	248.5	193.0	141.5	97.0	61.0
12	54.0	86.5	126.5	173.5	221.5	259.0	283.5	291.5	283.5	259.0	221.5	173.5	126.5	86.5	54.0
18	43.5	70.0	105.0	145.5	184.5	216.0	235.5	241.0	235.5	216.0	184.5	145.5	105.0	70.0	43.5
24	31.5	51.0	77.5	111.0	144.0	171.0	188.0	191.5	188.0	171.0	144.0	111.0	77.5	51.0	31.5
30	21.5	34.0	52.0	74.5	99.0	122.5	136.0	140.5	136.0	122.5	99.0	74.5	52.0	34.0	21.5

Beleuchtungsstärke 100 % x = 0.190
 Leistungsaufnahme gemessen 120.0 Watt y = 0.151
 Lux 10'850 lx z = 0.659
 Summe 24'911.00 18'070.00
PAR pro Watt 207.59 150.58
PAR im Mittel 150.98 223.09



H = 60 cm

Modul: Aqua Illumination Hydra FiftyTwo HD
 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: 120 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	44.5	59.5	75.5	91.0	105.0	114.0	120.5	122.0	120.5	114.0	105.0	91.0	75.5	59.5	44.5
24	56.0	73.5	90.5	108.0	122.5	134.0	140.5	143.5	140.5	134.0	122.5	108.0	90.5	73.5	56.0
18	65.5	85.0	103.5	122.5	140.0	153.5	162.5	166.0	162.5	153.5	140.0	122.5	103.5	85.0	65.5
12	73.0	93.5	113.5	135.5	156.0	173.0	184.5	189.0	184.5	173.0	156.0	135.5	113.5	93.5	73.0
6	78.0	98.5	120.0	144.0	167.5	186.5	200.5	205.5	200.5	186.5	167.5	144.0	120.0	98.5	78.0
0	79.0	100.5	122.0	147.0	171.5	192.5	206.0	212.0	206.0	192.5	171.5	147.0	122.0	100.5	79.0
6	78.0	98.5	120.0	144.0	167.5	186.5	200.5	205.5	200.5	186.5	167.5	144.0	120.0	98.5	78.0
12	73.0	93.5	113.5	135.5	156.0	173.0	184.5	189.0	184.5	173.0	156.0	135.5	113.5	93.5	73.0
18	65.5	85.0	103.5	122.5	140.0	153.5	162.5	166.0	162.5	153.5	140.0	122.5	103.5	85.0	65.5
24	56.0	73.5	90.5	108.0	122.5	134.0	140.5	143.5	140.5	134.0	122.5	108.0	90.5	73.5	56.0
30	44.5	59.5	75.5	91.0	105.0	114.0	120.5	122.0	120.5	114.0	105.0	91.0	75.5	59.5	44.5

Beleuchtungsstärke 100 % x = 0.190
 Leistungsaufnahme gemessen 120.0 Watt y = 0.149
 Lux 6'500 lx z = 0.661
 Summe 20'273.00 12'784.00
PAR pro Watt 168.94 106.53
PAR im Mittel 122.87 157.83

