

# Aqua Illumination Hydra TwentySix

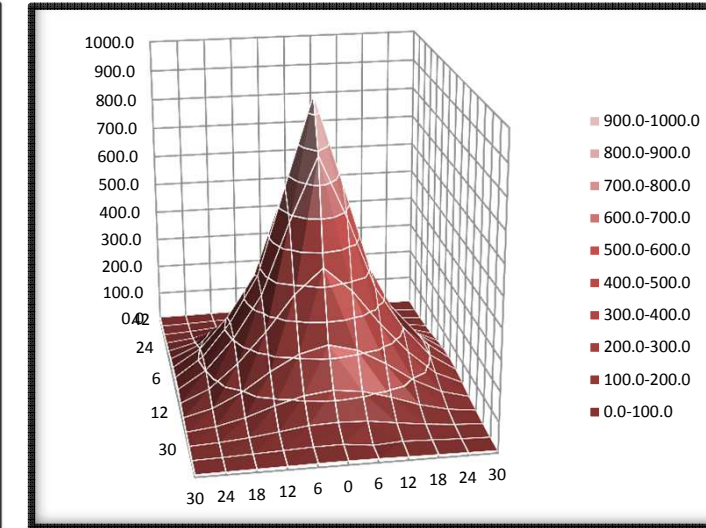
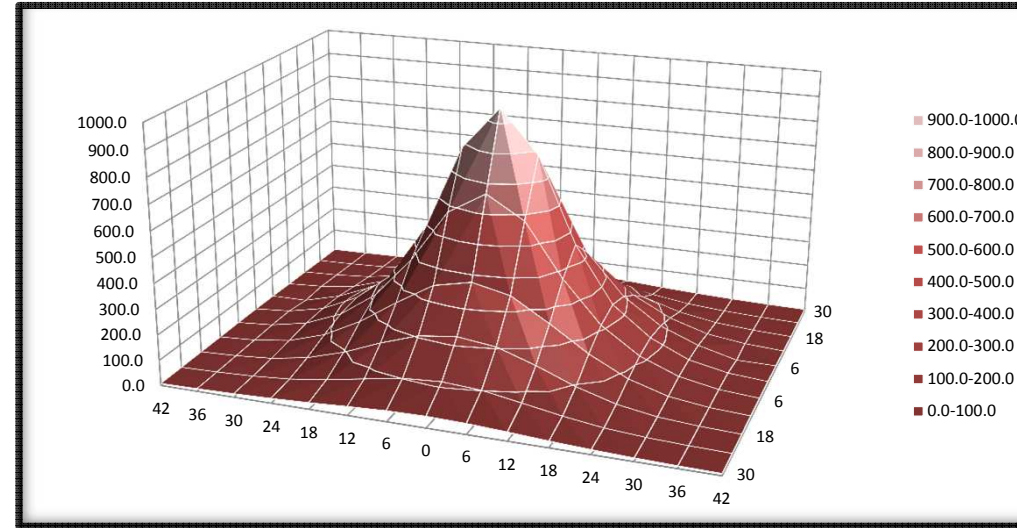
## H = 30cm

Modul: Aqua Illumination Hydra TwentySix  
 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: 95 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	7.5	9.5	13.0	18.0	25.0	34.0	41.5	44.5	41.5	34.0	25.0	18.0	13.0	9.5	7.5
24	8.5	12.0	18.0	29.0	49.5	75.5	101.0	110.5	101.0	75.5	49.5	29.0	18.0	12.0	8.5
18	9.5	15.5	26.5	51.5	95.5	154.5	204.5	222.5	204.5	154.5	95.5	51.5	26.5	15.5	9.5
12	10.5	19.0	38.5	84.0	159.0	255.5	344.0	376.0	344.0	255.5	159.0	84.0	38.5	19.0	10.5
6	12.0	23.0	51.5	110.5	211.0	373.0	580.0	667.0	580.0	373.0	211.0	110.5	51.5	23.0	12.0
0	12.5	24.0	55.0	122.0	235.0	455.0	787.0	953.0	787.0	455.0	235.0	122.0	55.0	24.0	12.5
6	12.0	13.0	51.5	110.5	211.0	373.0	580.0	667.0	580.0	373.0	211.0	110.5	51.5	13.0	12.0
12	10.5	19.0	38.5	84.0	159.0	255.5	344.0	376.0	344.0	255.5	159.0	84.0	38.5	19.0	10.5
18	9.5	15.5	26.5	51.5	95.5	154.5	204.5	22.5	204.5	154.5	95.5	51.5	26.5	15.5	9.5
24	8.5	12.0	18.0	29.0	49.5	75.5	101.0	110.5	101.0	75.5	49.5	29.0	18.0	12.0	8.5
30	7.5	9.5	13.0	18.0	25.0	34.0	41.5	44.5	41.5	34.0	25.0	18.0	13.0	9.5	7.5

341.50  
 697.50  
 1'337.50  
 2'197.00  
 3'389.00  
 4'334.00  
 3'369.00  
 2'197.00  
 1'137.50  
 697.50  
 341.50  
 Summe 20'039.00 18'215.00  
**PAR pro Watt 231.66 210.58**  
**PAR im Mittel 121.45 224.88**

Beleuchtungsstärke 100 % x = 0.202  
 Leistungsaufnahme gemessen 86.5 Watt y = 0.117  
 Lux 26'300 lx z = 0.681



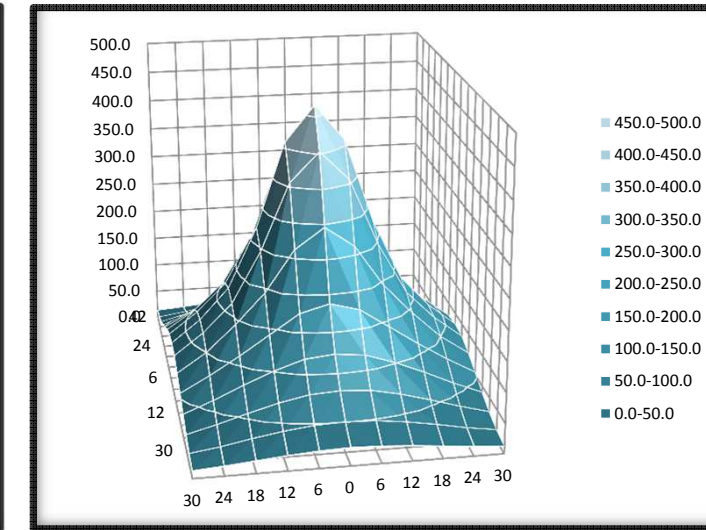
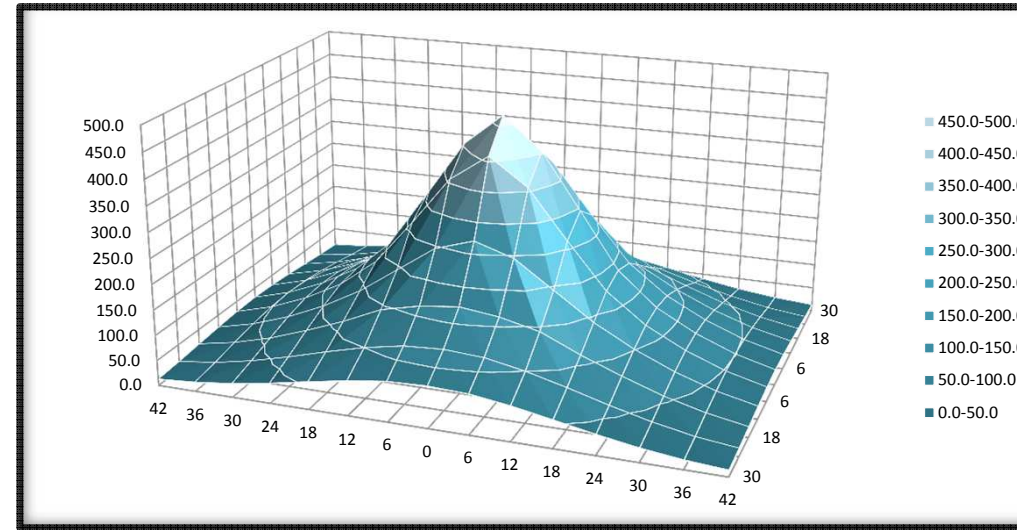
## H = 45cm

Modul: Aqua Illumination Hydra TwentySix  
 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: 95 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	12.5	18.0	27.0	39.5	54.0	68.0	78.5	81.5	78.5	68.0	54.0	39.5	27.0	18.0	12.5
24	16.0	25.0	40.0	59.0	80.5	100.0	114.5	119.0	114.5	100.0	80.5	59.0	40.0	25.0	16.0
18	20.5	34.5	54.5	81.0	110.0	144.0	161.5	170.5	161.5	144.0	110.0	81.0	54.5	34.5	20.5
12	25.0	42.5	68.0	101.0	142.0	194.0	246.0	270.0	246.0	194.0	142.0	101.0	68.0	42.5	25.0
6	28.5	48.5	78.0	117.0	174.0	262.5	356.5	409.0	356.5	262.5	174.0	117.0	78.0	48.5	28.5
0	30.0	50.5	81.0	122.0	187.0	296.0	404.0	466.0	404.0	296.0	187.0	122.0	81.0	50.5	30.0
6	28.5	48.5	78.0	117.0	174.0	262.5	356.5	409.0	356.5	262.5	174.0	117.0	78.0	48.5	28.5
12	25.0	42.5	68.0	101.0	142.0	194.0	246.0	270.0	246.0	194.0	142.0	101.0	68.0	42.5	25.0
18	20.5	34.5	54.5	81.0	110.0	144.0	161.5	170.5	161.5	144.0	110.0	81.0	54.5	34.5	20.5
24	16.0	25.0	40.0	59.0	80.5	100.0	114.5	119.0	114.5	100.0	80.5	59.0	40.0	25.0	16.0
30	12.5	18.0	27.0	39.5	54.0	68.0	78.5	81.5	78.5	68.0	54.0	39.5	27.0	18.0	12.5

676.50  
 989.00  
 1'382.50  
 1'907.00  
 2'539.00  
 2'807.00  
 2'539.00  
 1'907.00  
 1'382.50  
 989.00  
 676.50  
 Summe 17'795.00 14'195.00  
**PAR pro Watt 205.72 164.10**  
**PAR im Mittel 107.85 175.25**

Beleuchtungsstärke 100 % x = 0.201  
 Leistungsaufnahme gemessen 86.5 Watt y = 0.116  
 Lux 12'700 lx z = 0.684



## H = 60 cm

Modul: Aqua Illumination Hydra TwentySix  
 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: 95 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	22.0	30.0	40.0	49.5	58.5	66.0	72.0	73.0	72.0	66.0	58.5	49.5	40.0	30.0	22.0
24	28.0	38.0	49.5	62.0	73.5	85.5	93.5	96.5	93.5	85.5	73.5	62.0	49.5	38.0	28.0
18	33.5	45.0	58.5	74.0	91.0	111.5	129.0	136.0	129.0	111.5	91.0	74.0	58.5	45.0	33.5
12	37.5	51.0	66.5	87.0	115.5	149.5	182.5	195.0	182.5	149.5	115.5	87.0	66.5	51.0	37.5
6	40.0	55.0	72.0	96.5	134.5	185.0	229.0	246.0	229.0	185.0	134.5	96.5	72.0	55.0	40.0
0	41.0	56.0	74.0	101.5	144.5	198.5	243.0	261.0	243.0	198.5	144.5	101.5	74.0	56.0	41.0
6	40.0	55.0	72.0	96.5	134.5	185.0	229.0	246.0	229.0	185.0	134.5	96.5	72.0	55.0	40.0
12	37.5	51.0	66.5	87.0	115.5	149.5	182.5	195.0	182.5	149.5	115.5	87.0	66.5	51.0	37.5
18	33.5	45.0	58.5	74.0	91.0	111.5	129.0	136.0	129.0	111.5	91.0	74.0	58.5	45.0	33.5
24	28.0	38.0	49.5	62.0	73.5	85.5	93.5	96.5	93.5	85.5	73.5	62.0	49.5	38.0	28.0
30	22.0	30.0	40.0	49.5	58.5	66.0	72.0	73.0	72.0	66.0	58.5	49.5	40.0	30.0	22.0

749.00  
 956.50  
 1'221.00  
 1'574.00  
 1'870.00  
 1'978.00  
 1'870.00  
 1'574.00  
 1'221.00  
 956.50  
 749.00  
 Summe 14'719.00 11'146.00  
**PAR pro Watt 170.16 128.86**  
**PAR im Mittel 89.21 130.63**

Beleuchtungsstärke 100 % x = 0.201  
 Leistungsaufnahme gemessen 86.5 Watt y = 0.115  
 Lux 7'110 lx z = 0.684

