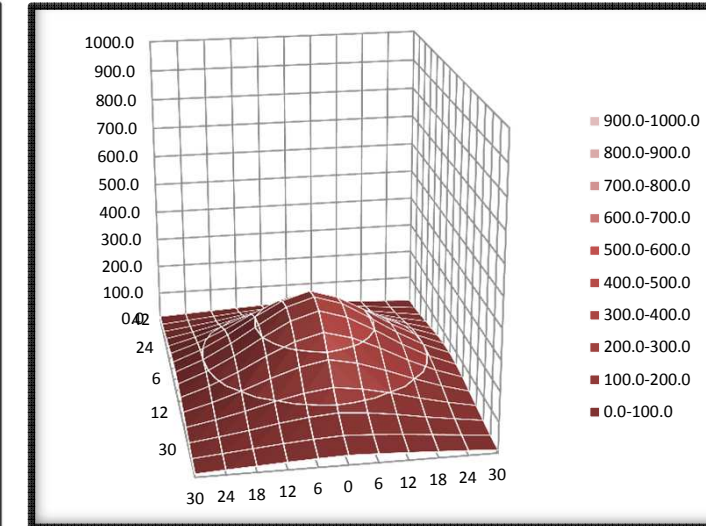
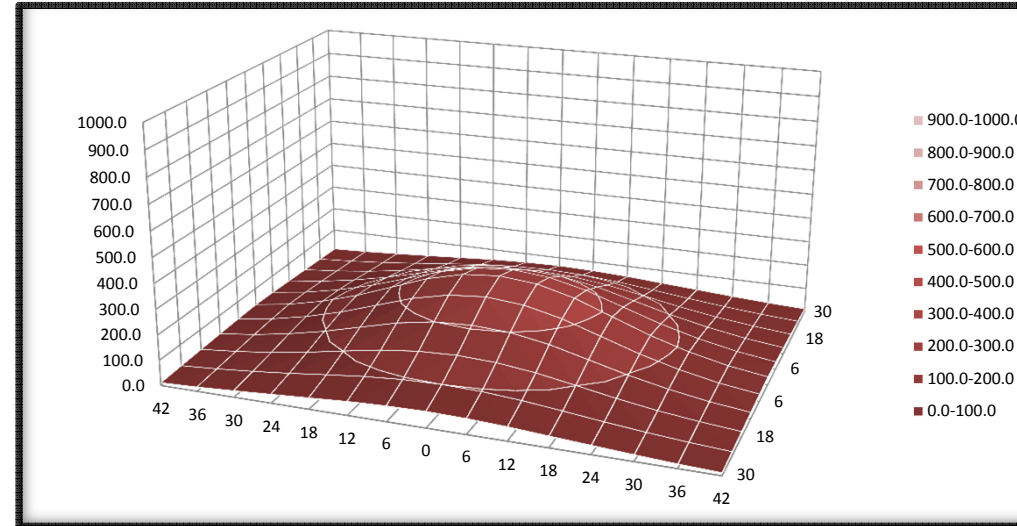


Hypernova LED Effizienz

Modul: Hypernova LED Effizienz
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: 75 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	10.0	16.0	24.5	34.0	43.5	53.5	60.0	63.0	60.0	53.5	43.5	34.0	24.5	16.0	10.0
24	15.0	24.5	37.0	52.0	69.0	85.0	96.0	100.0	96.0	85.0	69.0	52.0	37.0	24.5	15.0
18	19.5	33.0	50.5	73.5	100.5	126.0	143.5	149.5	143.5	126.0	100.5	73.5	50.5	33.0	19.5
12	24.0	41.5	66.5	98.0	136.0	174.0	199.5	207.0	199.5	174.0	136.0	98.0	66.5	41.5	24.0
6	28.0	48.5	79.0	118.5	167.0	215.5	249.5	262.0	249.5	215.5	167.0	118.5	79.0	48.5	28.0
0	31.0	53.0	86.5	131.0	185.5	240.5	278.0	291.0	278.0	240.5	185.5	131.0	86.5	53.0	31.0
6	28.0	48.5	79.0	118.5	167.0	215.5	249.5	262.0	249.5	215.5	167.0	118.5	79.0	48.5	28.0
12	24.0	41.5	66.5	98.0	136.0	174.0	199.5	207.0	199.5	174.0	136.0	98.0	66.5	41.5	24.0
18	19.5	33.0	50.5	73.5	100.5	126.0	143.5	149.5	143.5	126.0	100.5	73.5	50.5	33.0	19.5
24	15.0	24.5	37.0	52.0	69.0	85.0	96.0	100.0	96.0	85.0	69.0	52.0	37.0	24.5	15.0
30	10.0	16.0	24.5	34.0	43.5	53.5	60.0	63.0	60.0	53.5	43.5	34.0	24.5	16.0	10.0

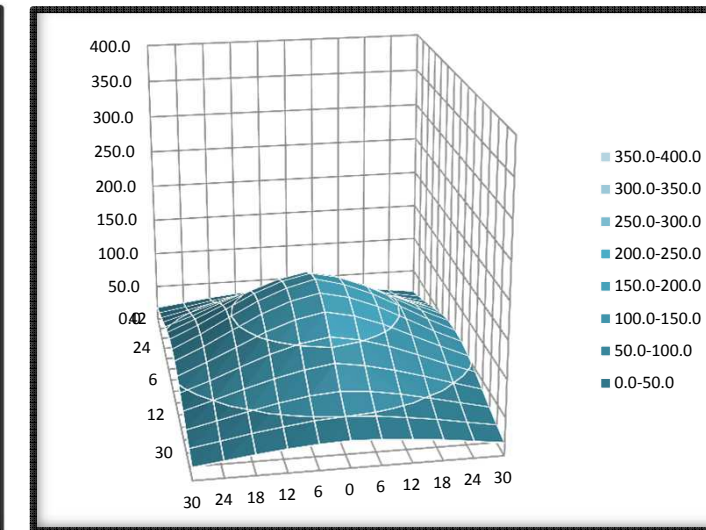
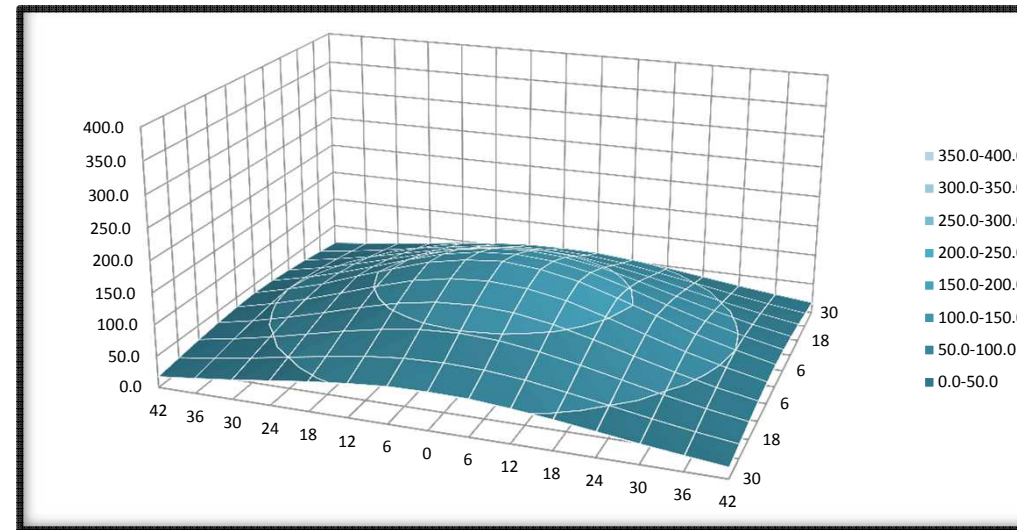
Beleuchtungsstärke 100 % x = 0.208
 Leistungsaufnahme gemessen 62.0 Watt y = 0.144
 Lux 9'370 lx z = 0.648
 Summe 15'113.00 11'812.00
PAR pro Watt 243.76 190.52
PAR im Mittel 91.59 145.83



Modul: Hypernova LED Effizienz
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: 75 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	17.0	23.5	30.5	38.5	46.5	53.0	58.0	59.0	58.0	53.0	46.5	38.5	30.5	23.5	17.0
24	22.0	30.0	39.5	50.0	60.0	69.5	75.5	77.5	75.5	69.5	60.0	50.0	39.5	30.0	22.0
18	27.0	37.0	48.5	62.0	75.5	87.0	95.5	98.5	95.5	87.0	75.5	62.0	48.5	37.0	27.0
12	31.0	42.5	57.0	73.0	90.0	105.0	115.0	118.5	115.0	105.0	90.0	73.0	57.0	42.5	31.0
6	34.0	47.5	63.5	82.0	101.5	119.0	130.0	134.0	130.0	119.0	101.5	82.0	63.5	47.5	34.0
0	35.5	50.0	66.5	88.0	108.0	127.0	138.5	144.0	138.5	127.0	108.0	88.0	66.5	50.0	35.5
6	34.0	47.5	63.5	82.0	101.5	119.0	130.0	134.0	130.0	119.0	101.5	82.0	63.5	47.5	34.0
12	31.0	42.5	57.0	73.0	90.0	105.0	115.0	118.5	115.0	105.0	90.0	73.0	57.0	42.5	31.0
18	27.0	37.0	48.5	62.0	75.5	87.0	95.5	98.5	95.5	87.0	75.5	62.0	48.5	37.0	27.0
24	22.0	30.0	39.5	50.0	60.0	69.5	75.5	77.5	75.5	69.5	60.0	50.0	39.5	30.0	22.0
30	17.0	23.5	30.5	38.5	46.5	53.0	58.0	59.0	58.0	53.0	46.5	38.5	30.5	23.5	17.0

Beleuchtungsstärke 100 % x = 0.205
 Leistungsaufnahme gemessen 62.0 Watt y = 0.140
 Lux 4'570 lx z = 0.655
 Summe 10'894.30 7'486.30
PAR pro Watt 175.71 120.75
PAR im Mittel 66.03 92.42



Modul: Hypernova LED Effizienz
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: 75 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	19.0	24.0	28.5	34.0	38.5	43.0	45.5	46.0	45.5	43.0	38.5	34.0	28.5	24.0	19.0
24	23.0	28.0	34.5	40.5	46.5	51.0	54.5	55.5	54.5	51.0	46.5	40.5	34.5	28.0	23.0
18	26.5	32.5	39.0	46.5	53.5	59.5	63.5	64.0	63.5	59.5	53.5	46.5	39.0	32.5	26.5
12	29.5	36.5	44.0	52.0	60.0	67.0	71.0	72.5	71.0	67.0	60.0	52.0	44.0	36.5	29.5
6	31.5	38.5	47.0	56.5	65.0	72.0	77.0	78.5	77.0	72.0	65.0	56.5	47.0	38.5	31.5
0	32.5	40.5	50.0	59.0	68.0	75.5	80.5	83.0	80.5	75.5	68.0	59.0	50.0	40.5	32.5
6	31.5	38.5	47.0	56.5	65.0	72.0	77.0	78.5	77.0	72.0	65.0	56.5	47.0	38.5	31.5
12	29.5	36.5	44.0	52.0	60.0	67.0	71.0	72.5	71.0	67.0	60.0	52.0	44.0	36.5	29.5
18	26.5	32.5	39.0	46.5	53.5	59.5	63.5	64.0	63.5	59.5	53.5	46.5	39.0	32.5	26.5
24	23.0	28.0	34.5	40.5	46.5	51.0	54.5	55.5	54.5	51.0	46.5	40.5	34.5	28.0	23.0
30	19.0	24.0	28.5	34.0	38.5	43.0	45.5	46.0	45.5	43.0	38.5	34.0	28.5	24.0	19.0

Beleuchtungsstärke 100 % x = 0.203
 Leistungsaufnahme gemessen 62.0 Watt y = 0.136
 Lux 267 lx z = 0.661
 Summe 7'841.00 4'931.00
PAR pro Watt 126.47 79.53
PAR im Mittel 47.52 60.88

