

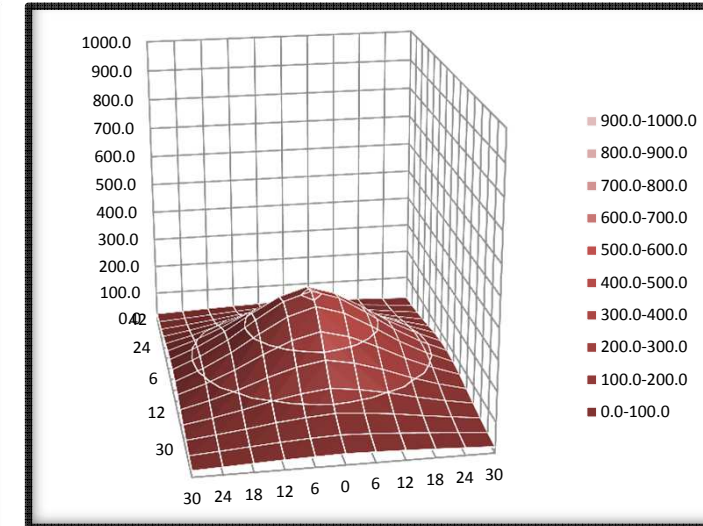
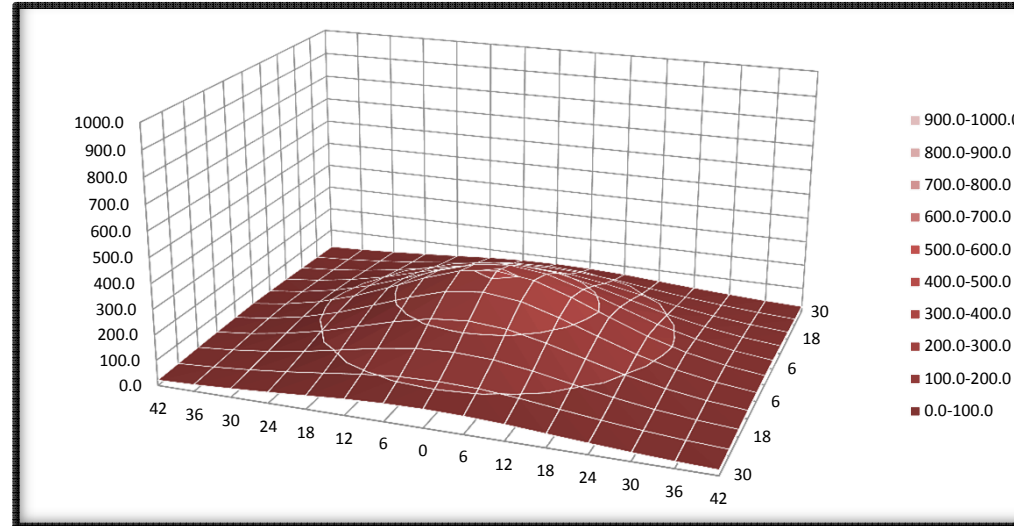
Hypernova LED Hohe Leistung

Modul: Hypernova LED Hohe Leistung
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	20.5	25.5	33.0	42.0	52.0	62.5	69.0	71.5	69.0	62.5	52.0	42.0	33.0	25.5	20.5
24	24.0	32.0	43.5	58.0	75.5	94.0	107.0	111.0	107.0	94.0	75.5	58.0	43.5	32.0	24.0
18	28.0	39.0	55.0	77.0	104.5	133.0	154.5	161.5	154.5	133.0	104.5	77.0	55.0	39.0	28.0
12	31.5	46.0	68.5	99.0	139.0	179.0	212.0	224.0	212.0	179.0	139.0	99.0	68.5	46.0	31.5
6	34.0	51.5	78.0	116.5	167.0	219.5	264.0	281.0	264.0	219.5	167.0	116.5	78.0	51.5	34.0
0	36.0	55.0	84.5	128.0	184.0	243.0	292.5	311.0	292.5	243.0	184.0	128.0	84.5	55.0	36.0
6	34.0	51.5	78.0	116.5	167.0	219.5	264.0	281.0	264.0	219.5	167.0	116.5	78.0	51.5	34.0
12	31.5	46.0	68.5	99.0	139.0	179.0	212.0	224.0	212.0	179.0	139.0	99.0	68.5	46.0	31.5
18	28.0	39.0	55.0	77.0	104.5	133.0	154.5	161.5	154.5	133.0	104.5	77.0	55.0	39.0	28.0
24	24.0	32.0	43.5	58.0	75.5	94.0	107.0	111.0	107.0	94.0	75.5	58.0	43.5	32.0	24.0
30	20.5	25.5	33.0	42.0	52.0	62.5	69.0	71.6	69.0	62.5	52.0	42.0	33.0	25.5	20.5

Beleuchtungsstärke 100 % x = 0.207 Summe 16'195.08 12'359.00
 Leistungsaufnahme gemessen 62.5 Watt y = 0.142 **PAR pro Watt 259.12 197.74**
 Lux 9'700 lx z = 0.651 **PAR im Mittel 98.15 152.58**

H = 30cm

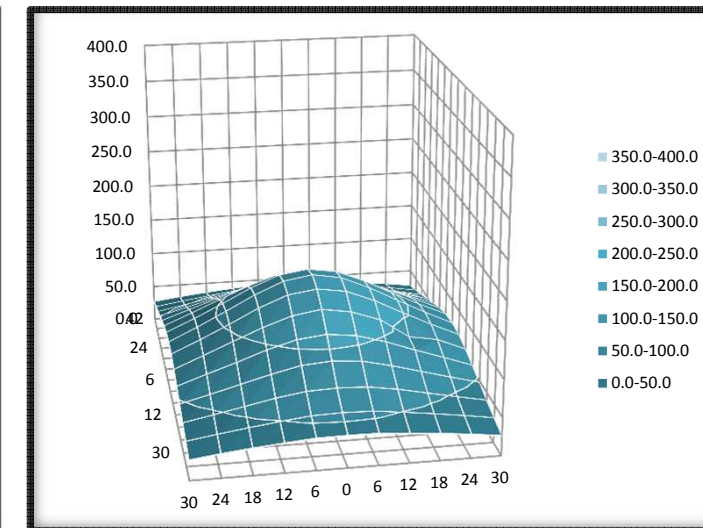
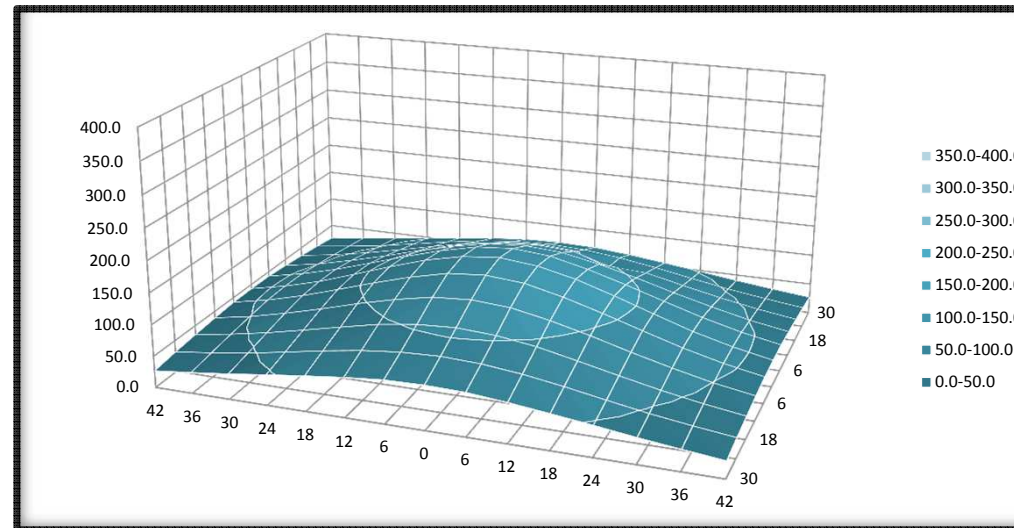


Modul: Hypernova LED Hohe Leistung
Raumtemperatur: 19 Grad Celsius
Messinstrument: kalibriertes Spektrometer
Abstand von Sensor bis uk Modul: 45 cm
Raum: Abgedunkelt
Einheit: PAR in $\mu\text{mol}/\text{m}^2/\text{sec}$
Leistungsangabe Hersteller: 75 Watt

cm/cm	42	36	30	24	18	12	6	0	6	12	18	24	30	36	42
30	26.5	33.0	40.0	48.0	55.5	62.5	68.0	69.5	68.0	62.5	55.5	48.0	40.0	33.0	26.5
24	31.5	39.0	47.5	58.0	69.0	78.5	85.0	87.5	85.0	78.5	69.0	58.0	47.5	39.0	31.5
18	35.5	44.5	55.5	68.5	82.0	95.0	103.5	107.0	103.5	95.0	82.0	68.5	55.5	44.5	35.5
12	39.0	49.5	63.5	79.0	96.0	111.0	123.0	127.0	123.0	111.0	96.0	79.0	63.5	49.5	39.0
6	42.0	54.0	69.5	88.0	107.0	124.5	138.5	143.5	138.5	124.5	107.0	88.0	69.5	54.0	42.0
0	42.5	55.0	71.0	91.0	111.5	130.5	144.0	150.0	144.0	130.5	111.5	91.0	71.0	55.0	42.5
6	42.0	54.0	69.5	88.0	107.0	124.5	138.5	143.5	138.5	124.5	107.0	88.0	69.5	54.0	42.0
12	39.0	49.5	63.5	79.0	96.0	111.0	123.0	127.0	123.0	111.0	96.0	79.0	63.5	49.5	39.0
18	35.5	44.5	55.5	68.5	82.0	95.0	103.5	107.0	103.5	95.0	82.0	68.5	55.5	44.5	35.5
24	31.5	39.0	47.5	58.0	69.0	78.5	85.0	87.5	85.0	78.5	69.0	58.0	47.5	39.0	31.5
30	26.5	33.0	40.0	48.0	55.5	62.5	68.0	69.5	68.0	62.5	55.5	48.0	40.0	33.0	26.5

Beleuchtungsstärke 100 % x = 0.207 Summe 12'144.00 8'050.00
 Leistungsaufnahme gemessen 62.0 Watt y = 0.141 **PAR pro Watt 195.87 129.84**
 Lux 4'640 lx z = 0.652 **PAR im Mittel 73.60 99.38**

H = 45cm



Modul: Hypernova LED Hohe Leistung
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	29.5	33.5	38.5	43.5	48.5	52.5	54.5	56.0	54.5	52.5	48.5	43.5	38.5	33.5	29.5
24	32.5	37.5	43.0	49.5	55.0	60.0	63.5	65.0	63.5	60.0	55.0	49.5	43.0	37.5	32.5
18	35.5	41.0	47.5	54.5	61.5	67.5	71.0	73.5	71.0	67.5	61.5	54.5	47.5	41.0	35.5
12	38.0	44.0	52.0	60.0	68.0	74.5	79.0	80.5	79.0	74.5	68.0	60.0	52.0	44.0	38.0
6	40.0	47.0	55.5	64.0	72.5	80.0	85.0	86.0	85.0	80.0	72.5	64.0	55.5	47.0	40.0
0	40.0	47.5	56.5	65.5	74.0	81.5	87.5	90.0	87.5	81.5	74.0	65.5	56.5	47.5	40.0
6	40.0	47.0	55.5	64.0	72.5	80.0	85.0	86.0	85.0	80.0	72.5	64.0	55.5	47.0	40.0
12	38.5	44.0	52.0	60.0	68.0	74.5	79.0	80.5	79.0	74.5	68.0	60.0	52.0	44.0	38.0
18	35.5	41.0	47.5	54.5	61.5	67.5	71.0	73.5	71.0	67.5	61.5	54.5	47.5	41.0	35.5
24	32.5	37.5	43.0	49.5	55.0	60.0	63.5	65.0	63.5	60.0	55.0	49.5	43.0	37.5	32.5
30	29.5	33.5	38.5	43.5	48.5	52.5	54.5	56.0	54.5	52.5	48.5	43.5	38.5	33.5	29.5

Beleuchtungsstärke 100 % x = 0.207 Summe 9'235.50 5'579.00
 Leistungsaufnahme gemessen 62.0 Watt y = 0.142 **PAR pro Watt 148.96 89.98**
 Lux 2'765 lx z = 0.651 **PAR im Mittel 55.97 68.88**

H = 60 cm

