



Pic: EVO 4-120

Productdescription

Highly efficient LED plant lighting system for all indoor growing areas and greenhouse use.

The modular, slim design allows for highest power density in a wide range of applications. The sophisticated asymmetric secondary optics provide a very homogeneous light distribution over the growing area, at different distances. Best efficiency, passive cooling, IP65 protection and long lifetime allows you highest and constant yields.

Produktbeschreibung

Hocheffizientes LED-Pflanzenbelichtungssystem für alle Indoor-Anbauflächen und den Einsatz im Gewächshaus.

Die modulare, schlanke Bauweise ermöglicht höchste Leistungsdichte bei unterschiedlichsten Applikationen. Die ausgeklügelte asymmetrisch abstrahlende Sekundäroptik sorgt für eine sehr homogene Lichtverteilung über der Anbaufläche, bei unterschiedlichsten Abständen. Beste Effizienz, passive Kühlung, IP65 Schutz und lange Lebensdauer ermöglichen Ihnen höchste und gleichbleibende Erträge.

Electrical Properties:

(elektrische Eigenschaften)

	EVO 3	EVO 4	EVO 5	EVO 6
Typ. Power Consumption [W] (Typ. Leistungsaufnahme)	200	265	340	400
Power Factor (Leistungsfaktor)	> 0,95			
Input Voltage Range [VAC] (Eingangsspannungsbereich)	100 – 240/277 50/60 Hz			
Max. Input Current [A] (maximaler Eingangsstrom)	0,9@230Vac	1,15@230Vac	1,5@230Vac	1,75 @230Vac
Typ. Inrush Current [A] (typ. Einschaltstrom)	65			

Further Properties:

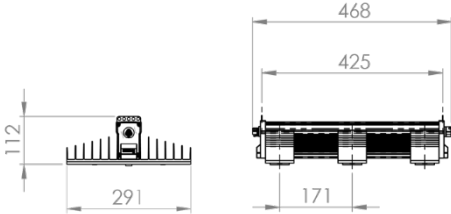
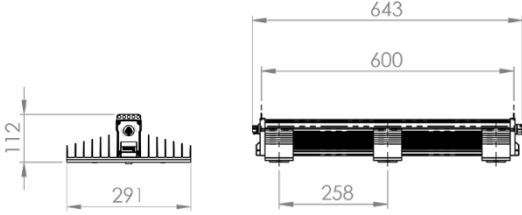
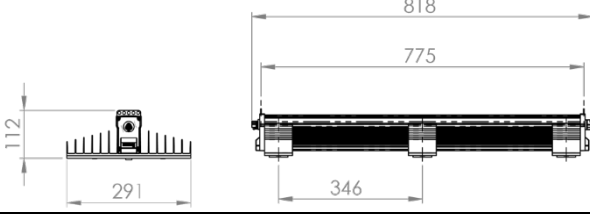
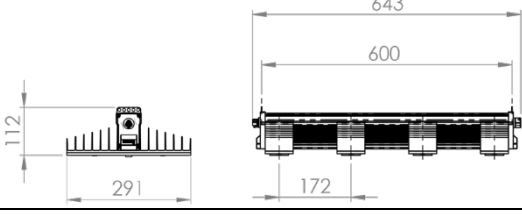
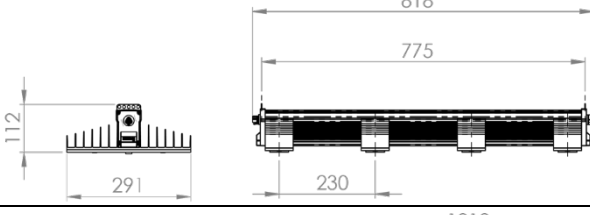
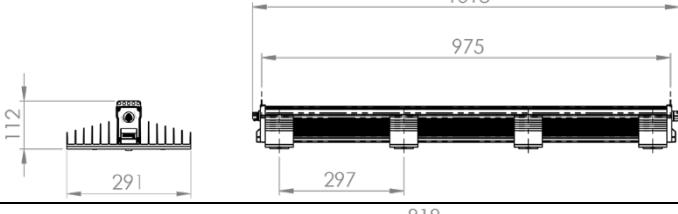
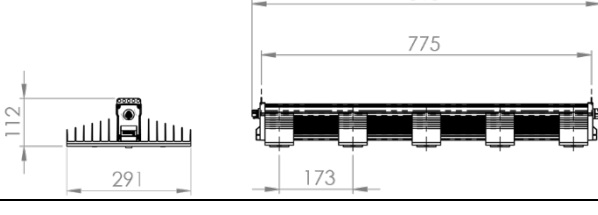
(weitere Eigenschaften)

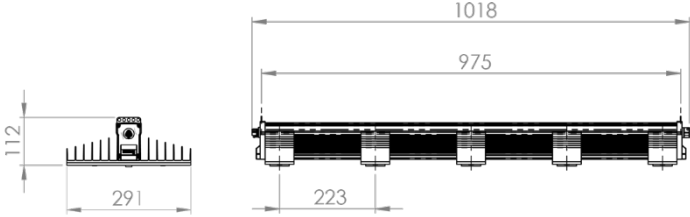
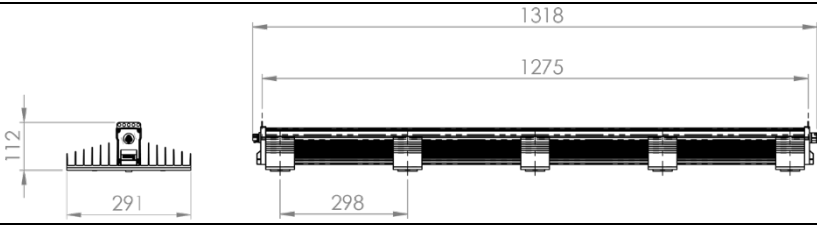
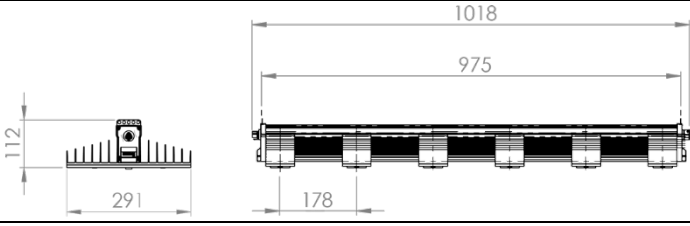
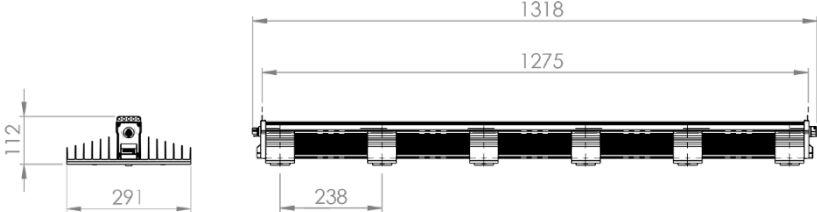
	EVO 3	EVO 4	EVO 5	EVO 6
Weight [kg] (Gewicht)	3,5 / 3,8 / 4,1	4,5 / 4,8 / 5,1	5,6 / 5,9 / 6,4	7 / 7,5
Overall Length [mm] (Gesamtlänge)	468 / 643 / 818	643 / 818 / 1018	818 / 1018 / 1318	1018 / 1318
Protection Rating (Schutzart)	IP65			
Ambient Operating Temp. [°C] (zul. Umgebungstemperatur)	5 – 30			
Max. Relative Humidity [%] (max. relative Luftfeuchtigkeit)	99			
Emission Wavelength [nm] (Emissionswellenlänge)	400 – 780			
PPF* (Photonenflussdichte)	545	725	915	1090
Module Efficacy* (Effizienz)	>3			
Angle of Radiation [°] (Abstrahlwinkel)	90-112			
Warranty [years] (Garantie)	3			
LM90 [hours] (90% Lichtoutput erreicht nach)	> 90.000			

*In the emission wavelength range (im Emissionswellenlängenbereich)

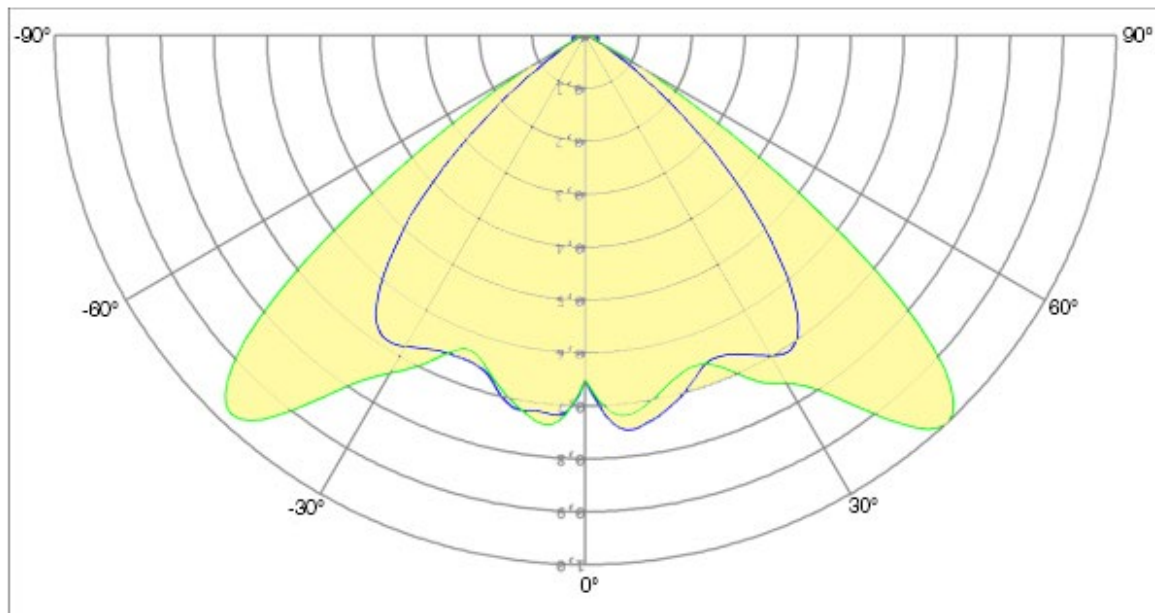
Dimensions:

(Dimensionen)

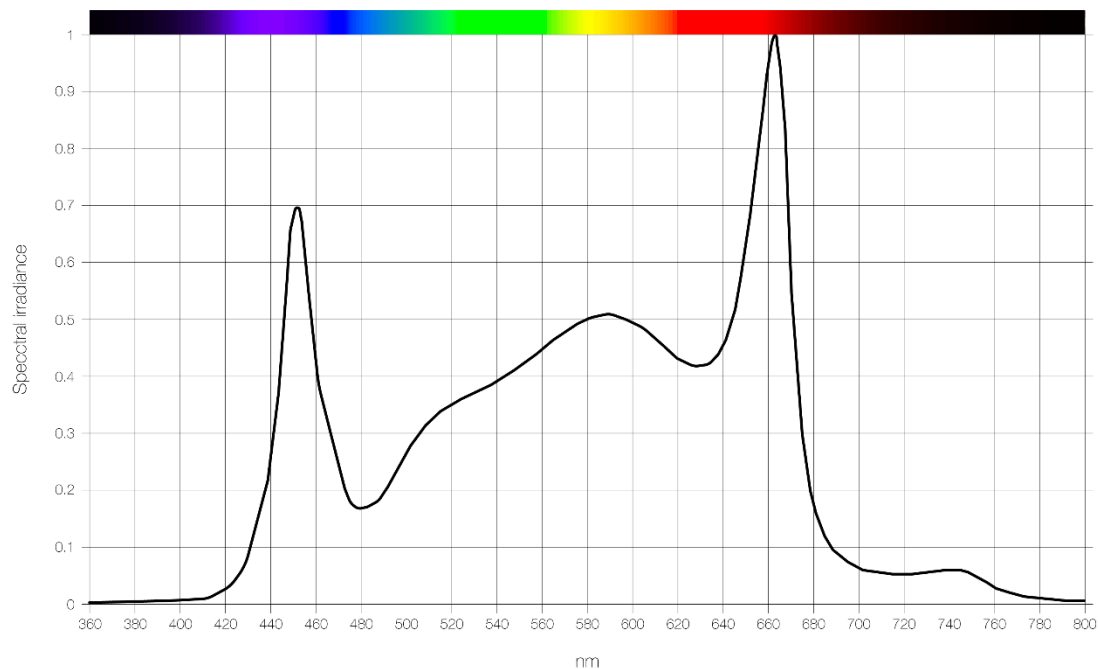
Model: (Modell)	Technical Drawing and Dimensions: (technische Zeichnung und Dimensionen)
EVO 3-60 (Art. Nr.: AA1110)	
EVO 3-80 (Art. Nr.: AA1111)	
EVO 3-100 (Art. Nr.: AA1112)	
EVO 4-80 (Art. Nr.: AA1113)	
EVO 4-100 (Art. Nr.: AA1114)	
EVO 4-120 (Art. Nr.: AA1115)	
EVO 5-100 (Art. Nr.: AA1116)	

EVO 5-120 (Art. Nr.: AA1117)	 Technical drawing of the EVO 5-120 fixture. The cross-section view on the left shows a height of 112 and a base width of 291. The top view on the right shows a total length of 1018, a mounting hole spacing of 975, and a distance of 223 from the end to the first mounting hole.
EVO 5-150 (Art. Nr.: AA1118)	 Technical drawing of the EVO 5-150 fixture. The cross-section view on the left shows a height of 112 and a base width of 291. The top view on the right shows a total length of 1318, a mounting hole spacing of 1275, and a distance of 298 from the end to the first mounting hole.
EVO 6-120 (Art. Nr.: AA1119)	 Technical drawing of the EVO 6-120 fixture. The cross-section view on the left shows a height of 112 and a base width of 291. The top view on the right shows a total length of 1018, a mounting hole spacing of 975, and a distance of 178 from the end to the first mounting hole.
EVO 6-150 (Art. Nr.: AA1120)	 Technical drawing of the EVO 6-150 fixture. The cross-section view on the left shows a height of 112 and a base width of 291. The top view on the right shows a total length of 1318, a mounting hole spacing of 1275, and a distance of 238 from the end to the first mounting hole.

Radiation Pattern: (Abstrahlcharakteristik)



Light Spectrum: (Lichtspektrum)

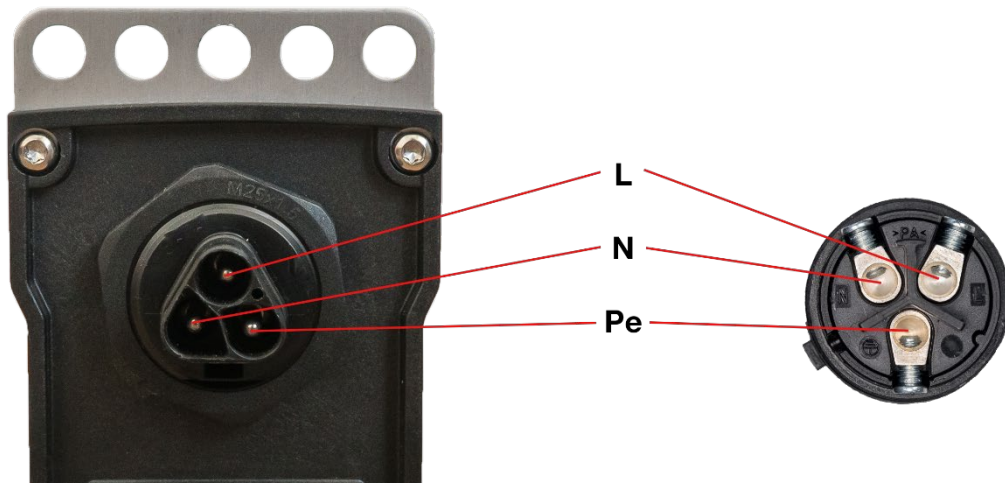


Composition of the Light Spectrum (Zusammensetzung des Spektrums)

Blue 400-499nm = 16%, Green 500-599nm = 37%, Red 600-699nm = 43%, FarRed = 4%

AC Plug Pin Assignment:

(AC Stecker Steckerbelegung)

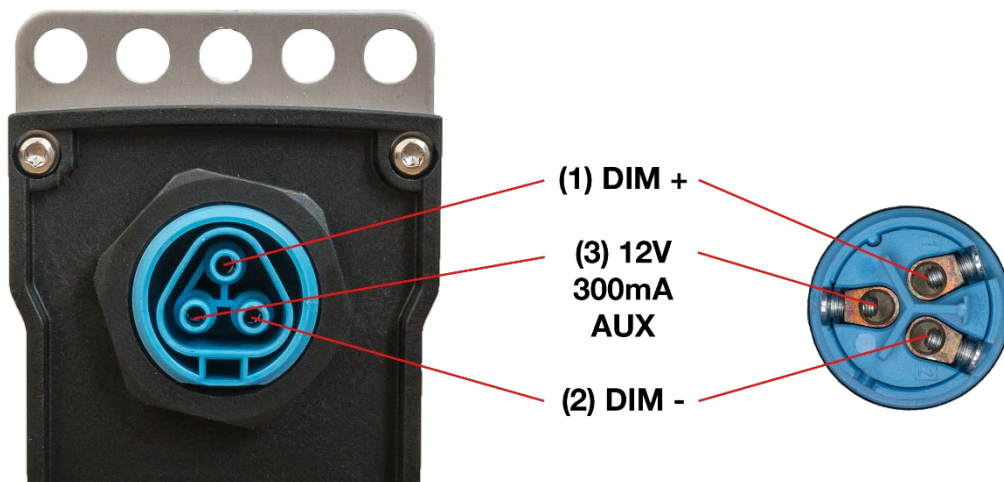


Mating plug:

- Wieland 96.031.4153.1 Ø 10-14 mm
- Wieland 96.033.4053.1 Ø 6-10 mm, 90° angled (90° gewinkelt)
 - Wieland 96.031.4053.1 Ø 6-10 mm

Dimmer Plug Pin Assignment:

(Dimmer Stecker Steckerbelegung)



Mating plug:

- Wieland 96.032.4053.9
- Wieland 96.034.4053.9, 90° angled (90° gewinkelt)