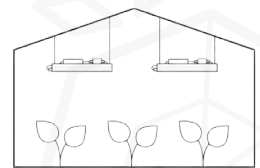
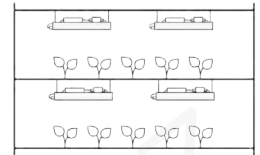
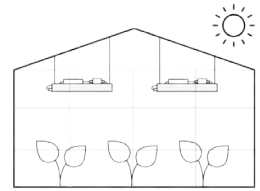




# GROW SERIES



## MECHANICAL DATA

<b>Installation:</b>	Suspended with hooks, chains or EasyRolls
<b>Casing:</b>	Extruded aluminum, powder coated
<b>Lampshade:</b>	Tempered Optiwhite™ glass

## ELECTRICAL DATA

<b>Supply voltage:</b>	230 VAC 50 Hz
<b>Power factor:</b>	0,95
<b>Electrical connection:</b>	Provided separately / electrical cable and 230 V plug
<b>Protection class:</b>	I

## OPTICAL DATA

<b>Light distribution:</b>	Axial symmetry
<b>Lighting angle:</b>	120°
<b>Dimmable:</b>	Using built-in controller or <i>Bilberry Essentials</i> App
<b>Light sources:</b>	SMD by Samsung, Osram and Seoul

## GENERAL INFORMATION

<b>Protection degree:</b>	IP65
<b>Warranty:</b>	5 years
<b>Application:</b>	Grow-box / Indoor facility / Greenhouse
<b>Working temperature range:</b>	-40 to +60 °C



## GROW LIGHTS POWER

### HIGH POWER 650 W



### STANDARD 340 W



### MINI 160 W



LED SPECTRUM COLOR COMPOSITION		Grow™	Bloom™	Harvest™
UV	<400 nm	0%	0%	9,6%
BLUE	400-500 nm	18,5%	7,1%	16,7%
GREEN	500-600 nm	39,7%	16,0%	35,9%
RED	600-700 nm	38,7%	72,8%	35,0%
FAR-RED	>700 nm	3,1%	4,1%	2,8%
B:G Ratio		0,47	0,44	0,47
R:FR Ratio		12,5	17,8	12,5
R:B Ratio		2,09	10,4	2,10



## GROW LIGHT TYPES

No.	Code	Power [W]	Spectrum	Light flux [μmol/s]	Voltage [V]	Size [mm]	Weight [kg]
1.	GROW.H.CN3.LV.B	650	Grow	1885	230	1500 x 110 x 112	11
2.	GROW.H.CN3.HV.B	650	Grow	1885	400	1500 x 110 x 112	11
3.	GROW.H.CN3.LV.B	650	Bloom	1920	230	1500 x 110 x 112	11
4.	GROW.H.CN3.HV.B	650	Bloom	1920	400	1500 x 110 x 112	11
5.	GROW.H.CN3.LV.B	650	Harvest	1850	230	1500 x 110 x 112	11
6.	GROW.H.CN3.HV.B	650	Harvest	1850	400	1500 x 110 x 112	11
7.	GROW.S.CN3.LV.B	340	Grow	985	230	1000 x 110 x 112	7
8.	GROW.S.CN3.HV.B	340	Grow	985	400	1000 x 110 x 112	7
9.	GROW.S.CN3.LV.B	340	Bloom	1000	230	1000 x 110 x 112	7
10.	GROW.S.CN3.HV.B	340	Bloom	1000	400	1000 x 110 x 112	7
11.	GROW.S.CN3.LV.B	340	Harvest	970	230	1000 x 110 x 112	7
12.	GROW.S.CN3.HV.B	340	Harvest	970	400	1000 x 110 x 112	7
13.	GROW.M.CN3.LV.B	160	Grow	463	230	500 x 110 x 112	4
14.	GROW.M.CN3.HV.B	160	Grow	463	400	500 x 110 x 112	4
15.	GROW.M.CN3.LV.B	160	Bloom	470	230	500 x 110 x 112	4
16.	GROW.M.CN3.HV.B	160	Bloom	470	400	500 x 110 x 112	4
17.	GROW.M.CN3.LV.B	160	Harvest	455	230	500 x 110 x 112	4
18.	GROW.M.CN3.HV.B	160	Harvest	455	400	500 x 110 x 112	4