

Keep Growing

LED Growing Light

Features & Benefits

- Input voltage 100-277VAC 50/60Hz.
- No UV or IR in the beam.
- Output constant current lever can be adjusted through output cable with 0-10V.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Can be connected in parallel 20 according to customer requirements.
- Green and eco-friendly without mercury.

Intended Applications

- Green House;
- Vertical Farming;
- Marijuana Cultivation;



Ordering Information

HG-GPL-ABCDE-FGH

Code	A	B	C	D	E	F	G	H
Company	Rated Power	Input Volt	Driver brand	Dimming	LED CHIP	Dimension	Structure	Color
HG-GPL	640W 660W 720W 960W	L-AC100-277V	1-5	Blank-non-dimming D-Dimming	1-5	S M	2-Folded	SL-Sliver

Options & Accessories

Factory Installed Options

1. Tablet Controller
2. RJ11 junction plate

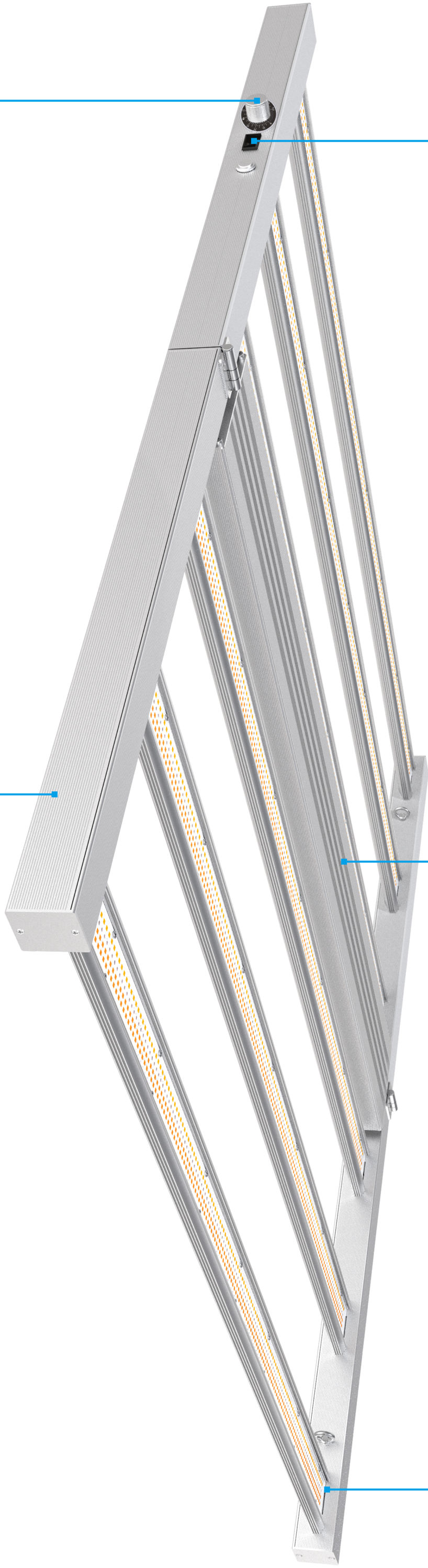
Field Installed Accessories (Included)

- 1x Data cable
- 4x Stainless steel aircraft cables with O-ring
- 1x Manual instruction



Safety Certificate
Certified by ETL and meets UL8800 standard

Built-in Dimmer Switch
0-100%
Dim to OFF; Boost to 100%



Dedicated Spectrum
Optimized spectrums for marijuana

Safe Electric
UL certified LED drivers, which is safer to humans
Constant current circuit, maximize LED performance and reliability

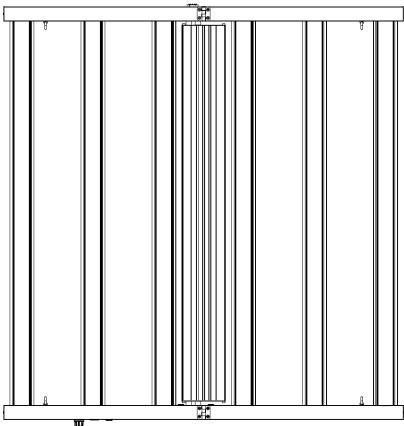
Precise Control
Standard-alone with the factory installed dimmer
Master-slave control with provided RJ11 Cord

Features & Benefits

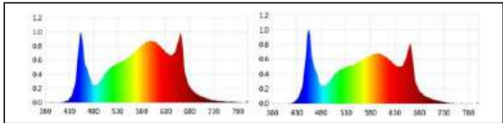
Input Power	640W
Photosynthetic photon flux	1728 μmol/s
Luminous Efficacy	2.7μmol/J
Viewing Angle	120°
Spectrum	Full Spectrum
CRI	>80(white)
Input Voltage	100-277VAC 50/60Hz
PF	≥0.9
THD	≤15%
Driver Surge protection	L/N-PE: 6kV, L-N: 4kV
Dimming	0-10V Dimming
LED Type	SMD2835+SMD3030
Housing	Aluminum Alloy
Housing Color	Silver
IP Rating / Environment	IP54 / Damp Location
Operating Temperature	-40°C to +50°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C to +80°C
Storage Humidity	10%-95% RH
Warranty Time	5 Years warranty with 24/7 operating hours Luminaire lifetime at 25°C
N.W (KG)	9.5
G.W (KG)	12.6
Packing Dimension(mm)	1190x140x655

Dimensional Drawing

Length (L)	1135mm(44.68")
Width (W)	1100mm(43.31")
Height (H)	65mm(2.56")



Spectral Distribution



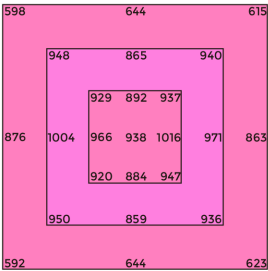
Recommended Application

Multi-layer	4-5ft wide benches, 4-6 in from canopy
Room	One fixture per 4x4ft
Tent	4x4ft to 5x5ft

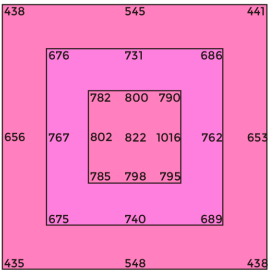
Performance Data

Model	Input Voltage	Input Power	PPF	PPE	ETL	DLC
HC-GPL-640WL2D1-S2SL	AC100-277V	640W	1728 μmol/s	2.7μmol/J	Yes	Yes

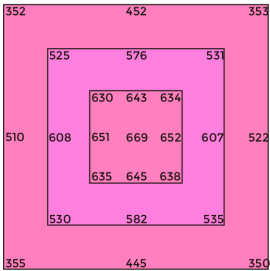
PPFD Reading



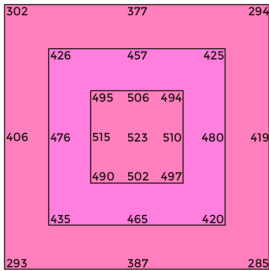
640W 6"/152mm Height



640W 12"/305mm Height



640W 18"/457mm Height



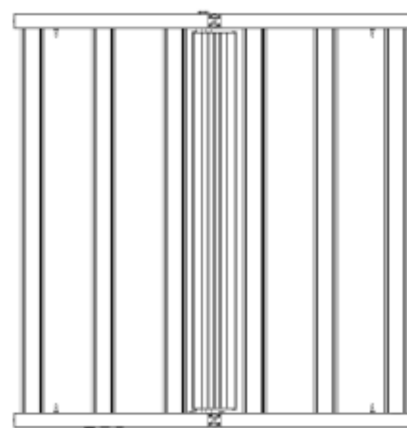
640W 24"/609mm Height

Features & Benefits

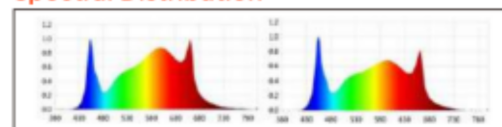
Input Power	660W
Photosynthetic photon flux	1850 $\mu\text{mol/s}$
Luminous Efficacy	2.8 $\mu\text{mol/J}$
Viewing Angle	120°
Spectrum	Full Spectrum
CRI	>80(white)
Input Voltage	100-277VAC 50/60Hz
PF	≥ 0.9
THD	$\leq 15\%$
Driver Surge protection	L/N-PE: 6kV, L-N: 4kV
Dimming	0-10V Dimming
LED Type	SMD2835+SMD3030
Housing	Aluminum Alloy
Housing Color	Silver
IP Rating / Environment	IP54 / Damp Location
Operating Temperature	-40°C to +50°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C to +80°C
Storage Humidity	10%-95% RH
Warranty Time	5 Years warranty with 24/7 operating hours Luminaire lifetime at 25°C
N.W (KG)	12.3
G.W (KG)	15.4
Packing Dimension(mm)	1190x140x655

Dimensional Drawing

Length (L)	1135mm(44.68")
Width (W)	1100mm(43.31")
Height (H)	65mm(2.56")



Spectral Distribution



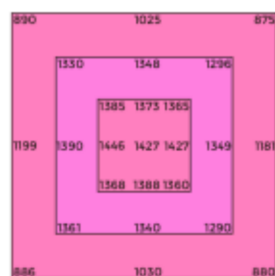
Recommended Application

Multi-layer	4-5ft wide benches, 4-6 in from canopy
Room	One fixture per 4x4ft
Tent	4x4ft to 5x5ft

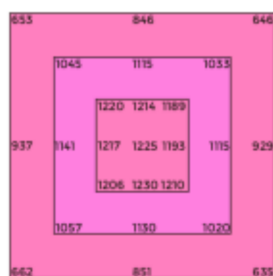
Performance Data

Model	Input Voltage	Input Power	PPF	PPE	ETL	DLC
HC-CPL-660WL1D1-S25L	AC100-277V	660W	1850 $\mu\text{mol/s}$	2.8 $\mu\text{mol/J}$	Yes	Yes

PPFD Reading



660W 6'/152mm Height



660W 12'/305mm Height



660W 18'/457mm Height



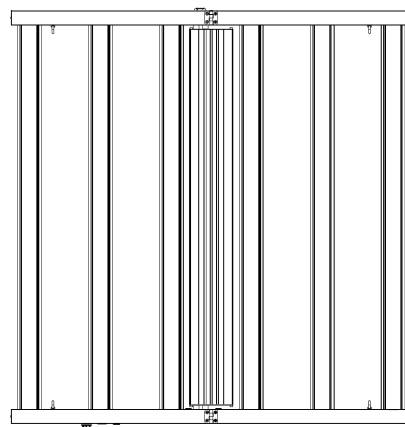
660W 24'/609mm Height

Features & Benefits

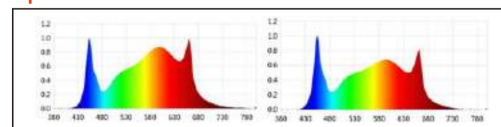
Input Power	720W
Photosynthetic photon flux	2016 $\mu\text{mol/s}$
Luminous Efficacy	2.8 $\mu\text{mol/J}$
Viewing Angle	120°
Spectrum	Full Spectrum
CRI	>80(white)
Input Voltage	100-277VAC 50/60Hz
PF	≥ 0.9
THD	$\leq 15\%$
Driver Surge protection	L/N-PE: 6kV, L-N: 4kV
Dimming	0-10V Dimming
LED Type	SMD2835+SMD3030
Housing	Aluminum Alloy
Housing Color	Silver
IP Rating / Environment	IP54 / Damp Location
Operating Temperature	-40°C to +50°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C to +80°C
Storage Humidity	10%-95% RH
Warranty Time	5 Years warranty with 24/7 operating hours Luminaire lifetime at 25°C
N.W (KG)	13.1
G.W (KG)	16.2
Packing Dimension(mm)	1190x140x655

Dimensional Drawing

Length (L)	1135mm(44.68")
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Height (H)	65mm(2.56")



Spectral Distribution



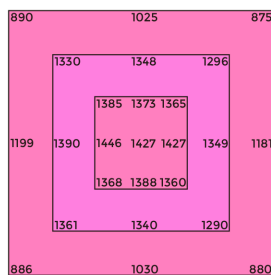
Recommended Application

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Tent	4x4ft to 5x5ft

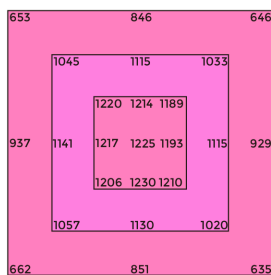
Performance Data

Model	Input Voltage	Input Power	PPF	PPE	ETL	DLC
HG-GPL-720WL1D1-S2SL	AC100-277V	720W	2016 $\mu\text{mol/s}$	2.8 $\mu\text{mol/J}$	Yes	Yes

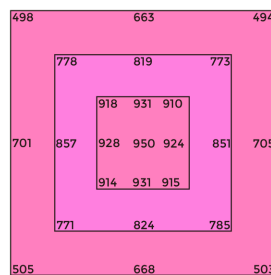
PPFD Reading



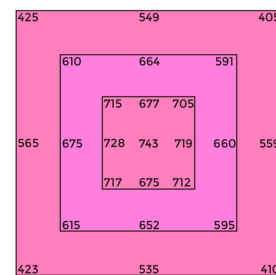
720W 6'/152mm Height



720W 12'/305mm Height



720W 18'/457mm Height



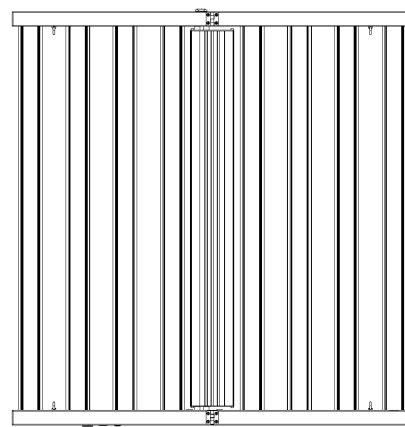
720W 24'/609mm Height

Features & Benefits

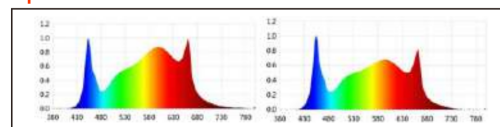
Input Power	960W
Photosynthetic photon flux	2690 $\mu\text{mol/s}$
Luminous Efficacy	2.8 $\mu\text{mol/J}$
Viewing Angle	120°
Spectrum	Full Spectrum
CRI	>80(white)
Input Voltage	100-277VAC 50/60Hz
PF	≥ 0.9
THD	$\leq 15\%$
Driver Surge protection	L/N-PE: 6kV, L-N: 4kV
Dimming	0-10V Dimming
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Warranty Time	5 Years warranty with 24/7 operating hours Luminaire lifetime at 25°C
N.W (KG)	14.5
G.W (KG)	17.7
Packing Dimension(mm)	1190x140x655

Dimensional Drawing

Length (L)	1135mm(44.68")
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Spectral Distribution



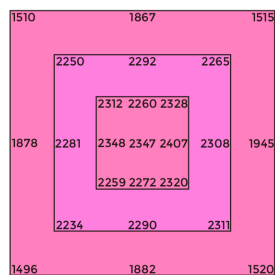
Recommended Application

Multi-layer	4-5ft wide benches, 4-6 in from canopy
Room	One fixture per 4x4ft
Tent	4x4ft to 5x5ft

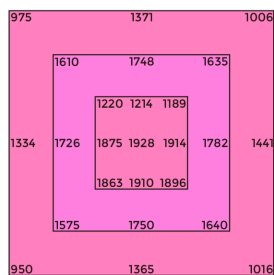
Performance Data

Model	Input Voltage	Input Power	PPF	PPE	ETL	DLC
HG-GPL-960WL1D1-M2SL	AC100-277V	960W	2690 $\mu\text{mol/s}$	2.8 $\mu\text{mol/J}$	Yes	Yes

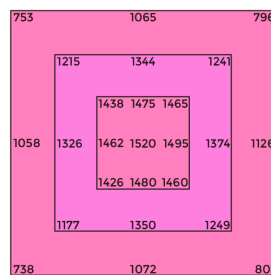
PPFD Reading



960W 6'/152mm Height



960W 12'/305mm Height



960W 18'/457mm Height



960W 24'/609mm Height