



VGDD

VEGETAL GROW DEVELOPMENT

HPL SERIES

LED toplighting innovation solution

High-quality, premium design luminaire, specially designed for the harsh greenhouse environment. The heat sink is made from pure 1070 cold-forged aluminium, giving it the best passive heat dissipation. Thanks to this technology, it has the smallest weight/size ratio on the market, reducing shadowing.

DIM
0-10V
DALI

Pure
Alu 1070
Best cooling

Quick
and easy
to install

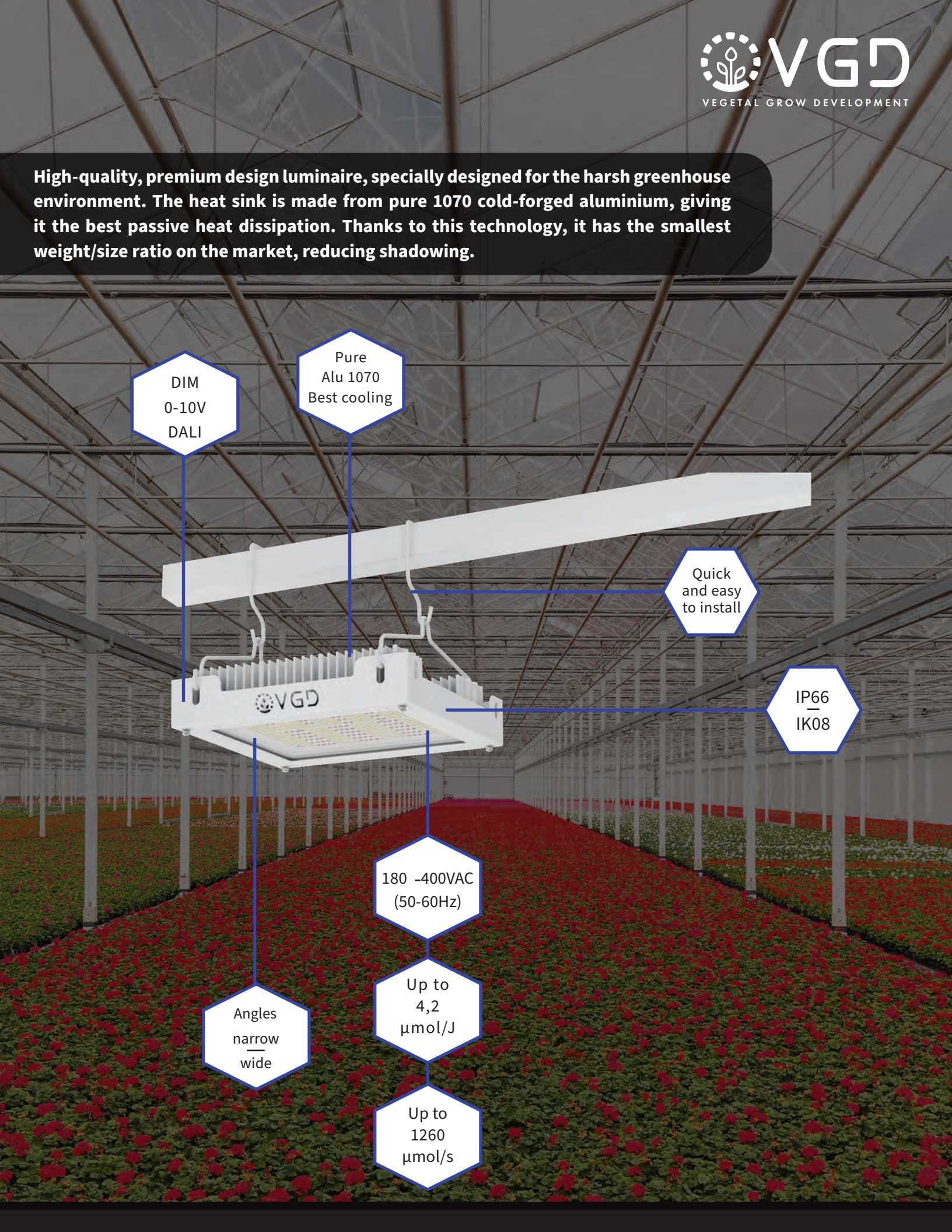
IP66
IK08

180 -400VAC
(50-60Hz)

Up to
4,2
 $\mu\text{mol}/\text{J}$

Angles
narrow
wide

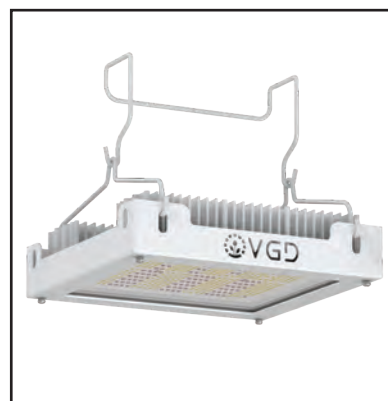
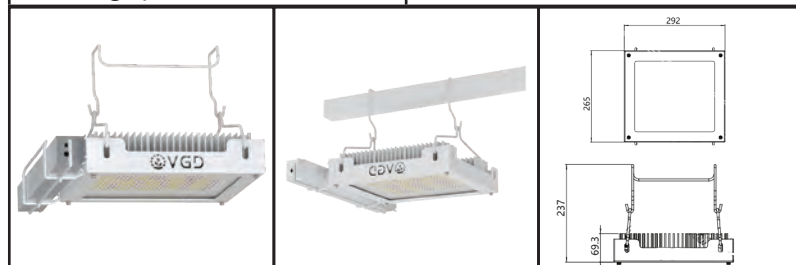
Up to
1260
 $\mu\text{mol}/\text{s}$



Designed in partnership with growers

This luminaire has been developed in conjunction with growers to provide the best possible response to the requirements of growing environments. Compact yet powerful, it reduces shadowing without compromising on efficiency, easily reaching over $4.2\mu\text{mol}/\text{J}$. The use of pure 1070 cold-forged aluminium gives it the best heat dissipation, extending the life of the LED and maintaining the emission flux for over 50,000 hours. Its white powder-coated body reduces the luminaire's heat and reflects natural light. VGD team is close to its growers, we have a range of spectra adapted to each type of crop, and for research our in-house department develops custom spectra according to requirements. The luminaire can be variable to adapt in real time to the needs of the plant and is 100% compatible with agroclimatic management.

| | |
|------------------|---|
| Power | 300 Watts |
| Size (mm) | 292x265x69 |
| Input Voltage | 180 - 400VAC (50-60Hz) |
| THD | <14% |
| Weight | 4,680kg |
| Power factor | > 0,94 at full load |
| Angle | 115° - 135° |
| Efficiency | 2,2 - 4,2 $\mu\text{mol}/\text{J}$ |
| PPF (360-760nm) | 660 - 1260 $\mu\text{mol}/\text{s}$ |
| IP & IK | 66 / 08 |
| Lifetime Ta 25°C | 50 000 hrs L90B10 |
| Spectral code | S1 - S4 - S5K - S10 - S11 - S12 - S18 - SSF |
| Warranty | 3-7 years |
| Certificates | CE, ENEC, ROHS, UL/CSA, RCM, PSE, EAC |
| Dimming option | 10 - 100% |



view depends on options

- **Up to 4,2 $\mu\text{mol}/\text{J}$**
- **Above-crop light**
- **Limit the plants stress**
- **Diffuse & homogeneous light**
- **Replaces HPS 400/600W**
- **Easy to install**



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