



# VGD

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

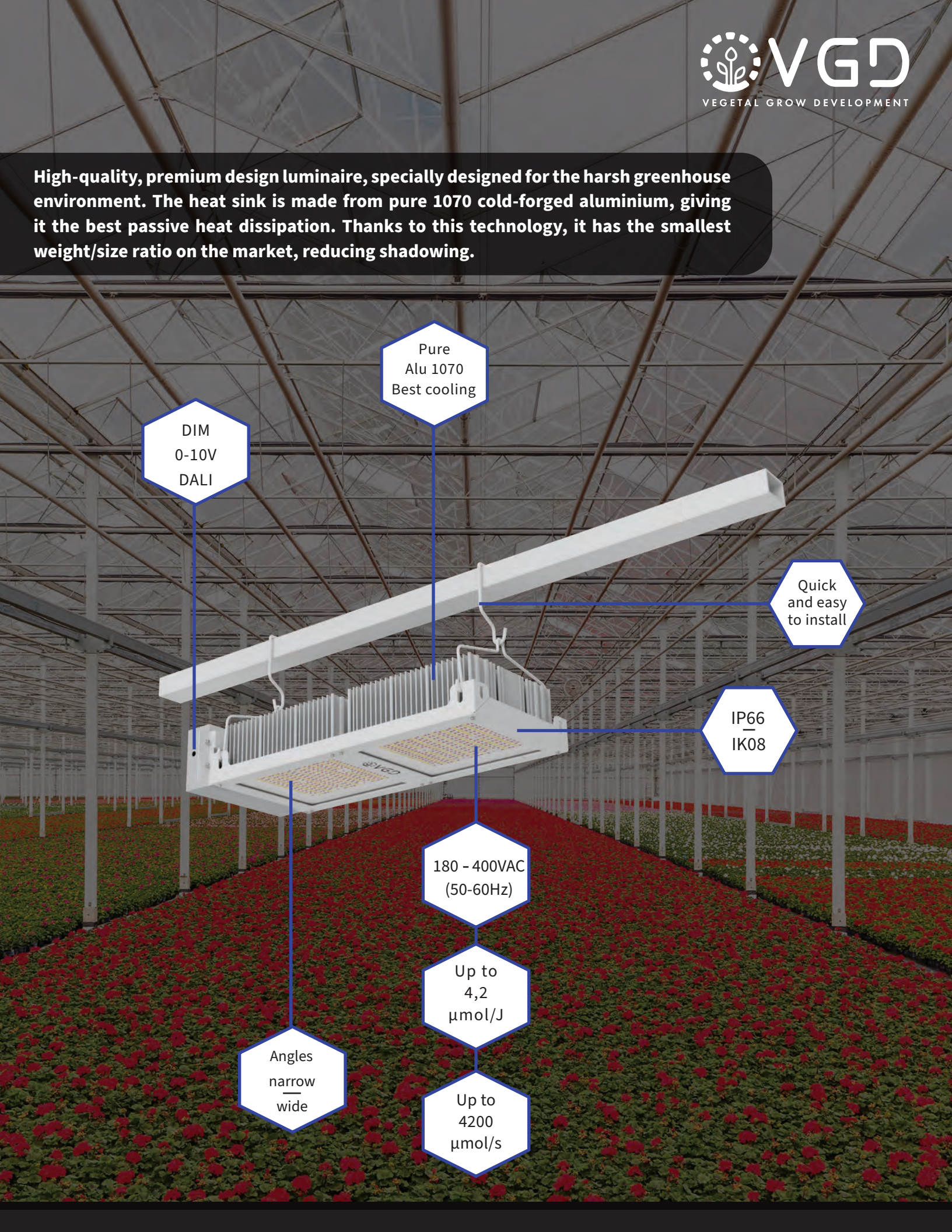
IP66  
IK08

180 - 400VAC  
(50-60Hz)

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

Angles  
narrow  
wide



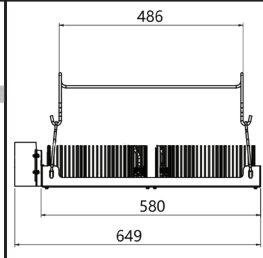
Up to  
4200  
 $\mu\text{mol}/\text{s}$

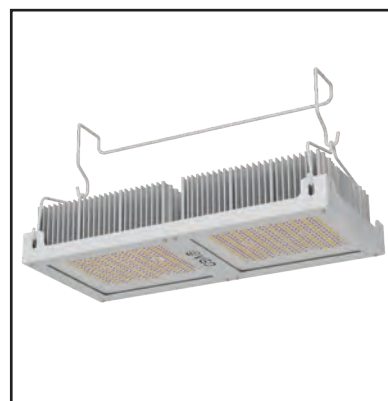


## Designed in partnership with growers

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	1000 Watts
Size (mm)	580x265x102
Input Voltage	180 - 400VAC (50-60Hz)
THD	<14%
Weight	11,400kg
Power factor	> 0,94 at full load
Angle	115° - 135°
Efficiency	2,2 - 4,2 $\mu\text{mol}/\text{J}$
PPF (360-760nm)	2200 - 4200 $\mu\text{mol}/\text{s}$
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 1000W and more**
- **Easy to install**



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