



**VGDD**

VEGETAL GROW DEVELOPMENT

# RACKLIGHT

Premium lighting solution for indoor farming



The Racklight is a slim luminaire specially designed to pack maximum power into a minimum of space. Manufactured in an anodised and sealed aluminium body, it can withstand any harsh environment and has a longer luminous flux life than most luminaires on the market.

DIM  
0-10V  
DALI

Anodised Alu  
Best cooling

Quick  
and easy  
to install

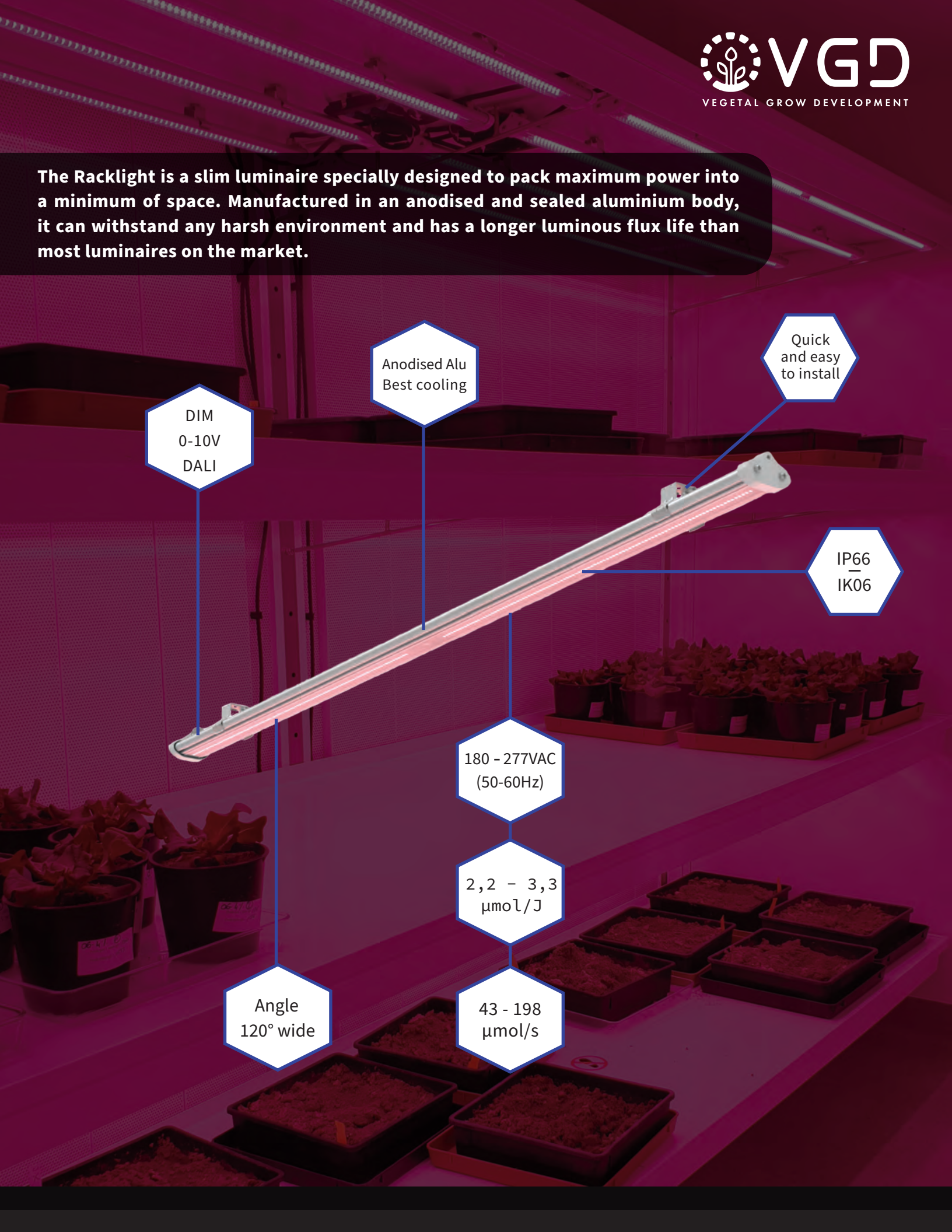
IP66  
IK06

180 - 277VAC  
(50-60Hz)

2,2 - 3,3  
 $\mu\text{mol}/\text{J}$

Angle  
120° wide

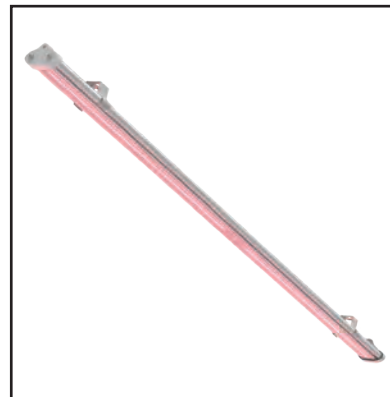
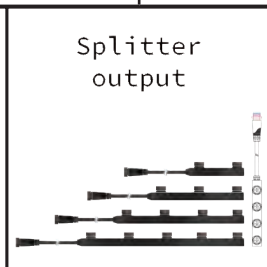
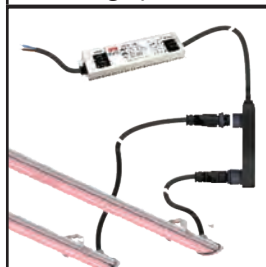
43 - 198  
 $\mu\text{mol}/\text{s}$



# Optimise your indoor plant growth without compromise

In indoor vertical farms, the constrained environment is the same as in industry. That's why VGD has designed an ultra-slim luminaire that is IP66 waterproof and can deliver up to 80W per LED rigid bar to increase crop density. Installation is simple because all the electrical connections are made using IP68 waterproof connectors that can be screwed on without the need for tools, so you can design a kit to suit your needs and perfectly control the homogeneity and photons emitted. The remote use of drivers reduces heat emission into the room by 38% and ensures a completely safe low-voltage DC48V installation. This makes it ideal for 24-hour production.

Power	20-60 Watts
Size (mm)	1500x56x33
Input Voltage	180 - 277VAC (50-60Hz)
THD	<14%
Weight	1,200kg
Power factor	> 0,94 at full load
Angle	120°
Efficiency	2,2 - 3,3 $\mu\text{mol}/\text{J}$
PPF (360-760nm)	44 - 198 $\mu\text{mol}/\text{s}$
IP & IK	66 / 06
Lifetime Ta 25°C	40 000 hrs L80B10
Spectral code	S4 - S5K - SSF- custom request available
Warranty	3 years
Certificates	CE, ENEC, ROHS, UL/CSA, RCM, PSE, EAC
Dimming option	10 - 100%



*view depends on options*

- **Spectrum adapted to each crop**
- **Guaranteed homogeneity**
- **Compatible with pathogen testing**
- **Plug & Play, installation without tools**
- **Increases the rooting rate**
- **Ideal for growing shelves**



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