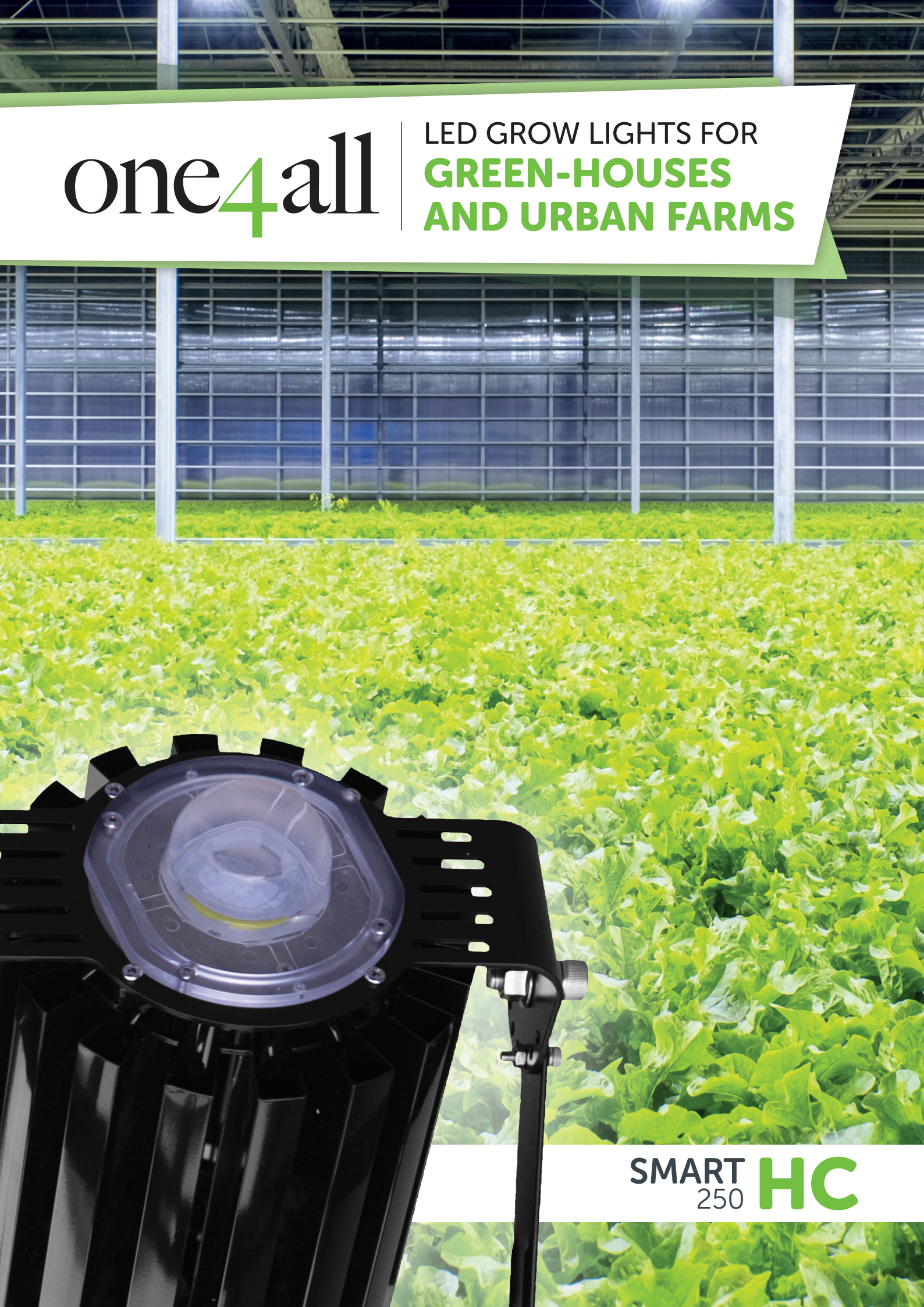


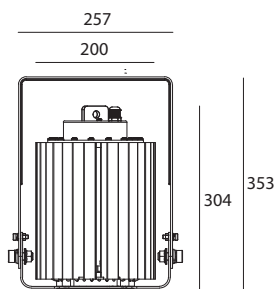


one4all

LED GROW LIGHTS FOR
**GREEN-HOUSES
AND URBAN FARMS**

SMART
250 **HC**

SMART 250 HC | TECHNICAL FEATURES



MECHANICAL FEATURES

BODY	Aluminum
COOLING SYSTEM	Passive Heat Pipe System
IP RATE	IP65
WEIGHT	6,5 Kg

ELECTRICAL FEATURES

INPUT POWER	100-240 Vac with PFC
PFC	Active >90
NOMINAL POWER ABSORPTION*	225 W
DIMMING**	1-10V

* POWER 250 is available with separate power supply unit

** Upon request other dimming Systems are available

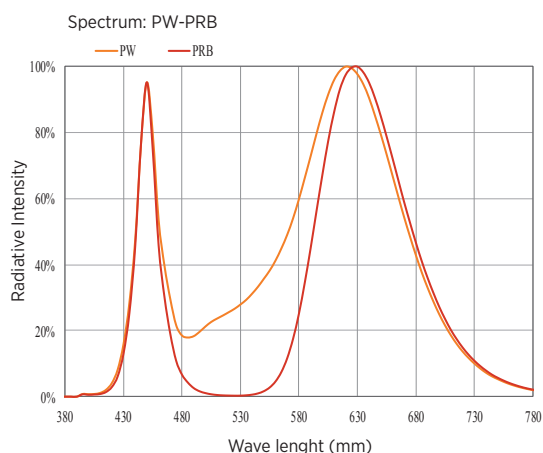
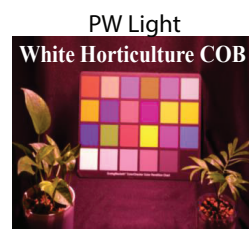
LIGHTING FEATURES - SMART 225 HC PRB

SOURCE	n°1 COB LED
LUMINOUS FLUX	11078 lm (Ta 30°C)
PHOTOSYNTHETIC PHOTON FLUX (PPF)	334 $\mu\text{mol/s}$ (Ta 30°C)
ACTIVE PHOTOSYNTHETIC PHOTON FLUX (A-PPF)	273 $\mu\text{mol/s}$ (Ta 30°C)
LENS TYPE	(Silicone lens) - 60° 90° Square 120°

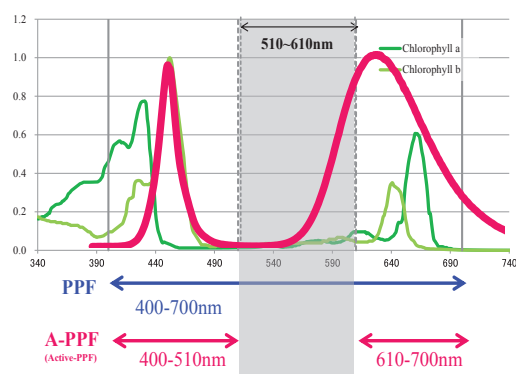


LIGHTING FEATURES - SMART 225 HC PW

SOURCE	n°1 COB LED
LUMINOUS FLUX	17469 lm (Ta 30°C)
PHOTOSYNTHETIC PHOTON FLUX (PPF)	350 $\mu\text{mol/s}$ (Ta 30°C)
ACTIVE PHOTOSYNTHETIC PHOTON FLUX (A-PPF)	236 $\mu\text{mol/s}$ (Ta 30°C)
LENS TYPE	(Silicone lens) - 60° 90° Square 120°



Chlorophyll absorption spectrum and plant growing unit



ACTIVE PPF

PPF without PF values of 510-610nm (No absorption area)

"Active PPF" is original idea.

It's not general concept.

SUITABLE APPLICATIONS: LEAFY GREENS, TOMATOES, PEPPERS, CUCUMBERS AND MANY OTHER CROPS