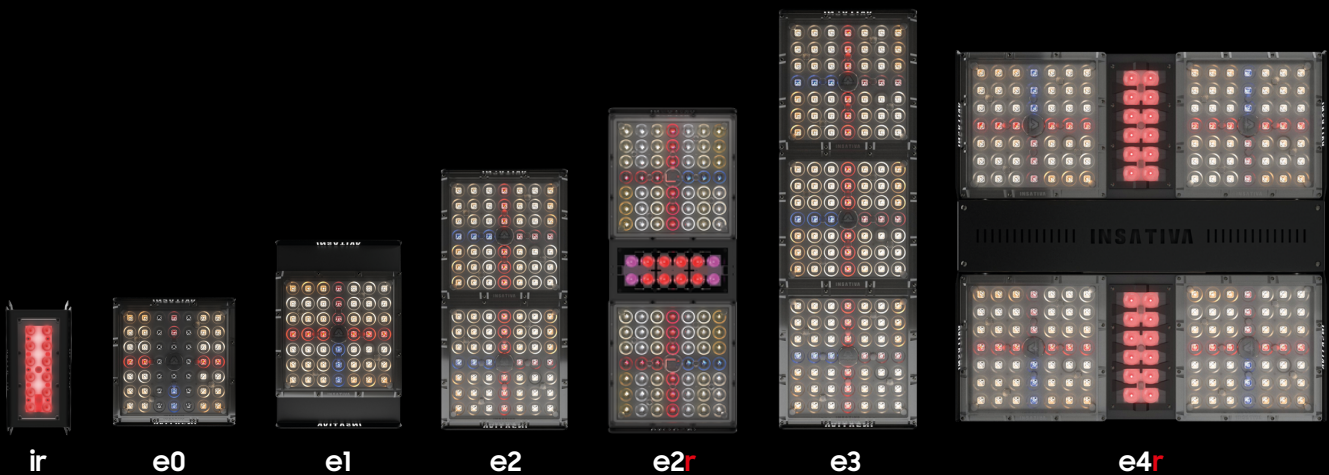


INSATIVA

Lights for plants

Hey bud ;)

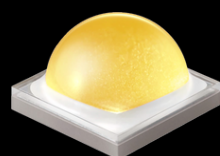
Looking for bigger**r** buds?



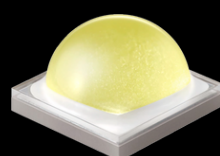
INSATIVA



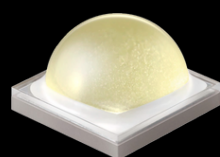
Six colors to replicate sunlight



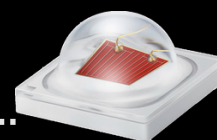
Sunset White
+ Bloom



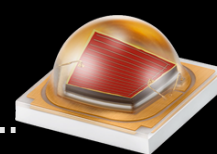
Daylight White
+ Growth



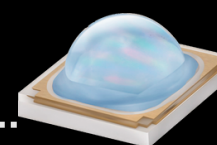
Dawn White
+ Roots



Far Red
+ Growth & Bloom

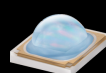
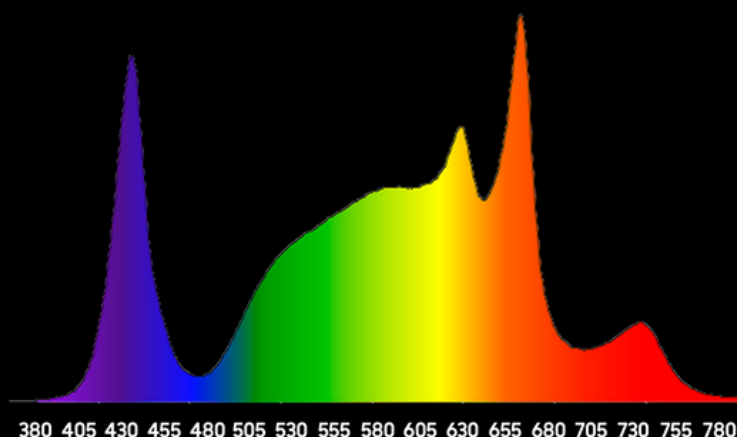


Deep Red
+ Bloom



UV Blue
+ Trichomes

Plant centric spectrum to stimulate photosynthesis and growth



450
nm



5000
k



4000
k



3000
k

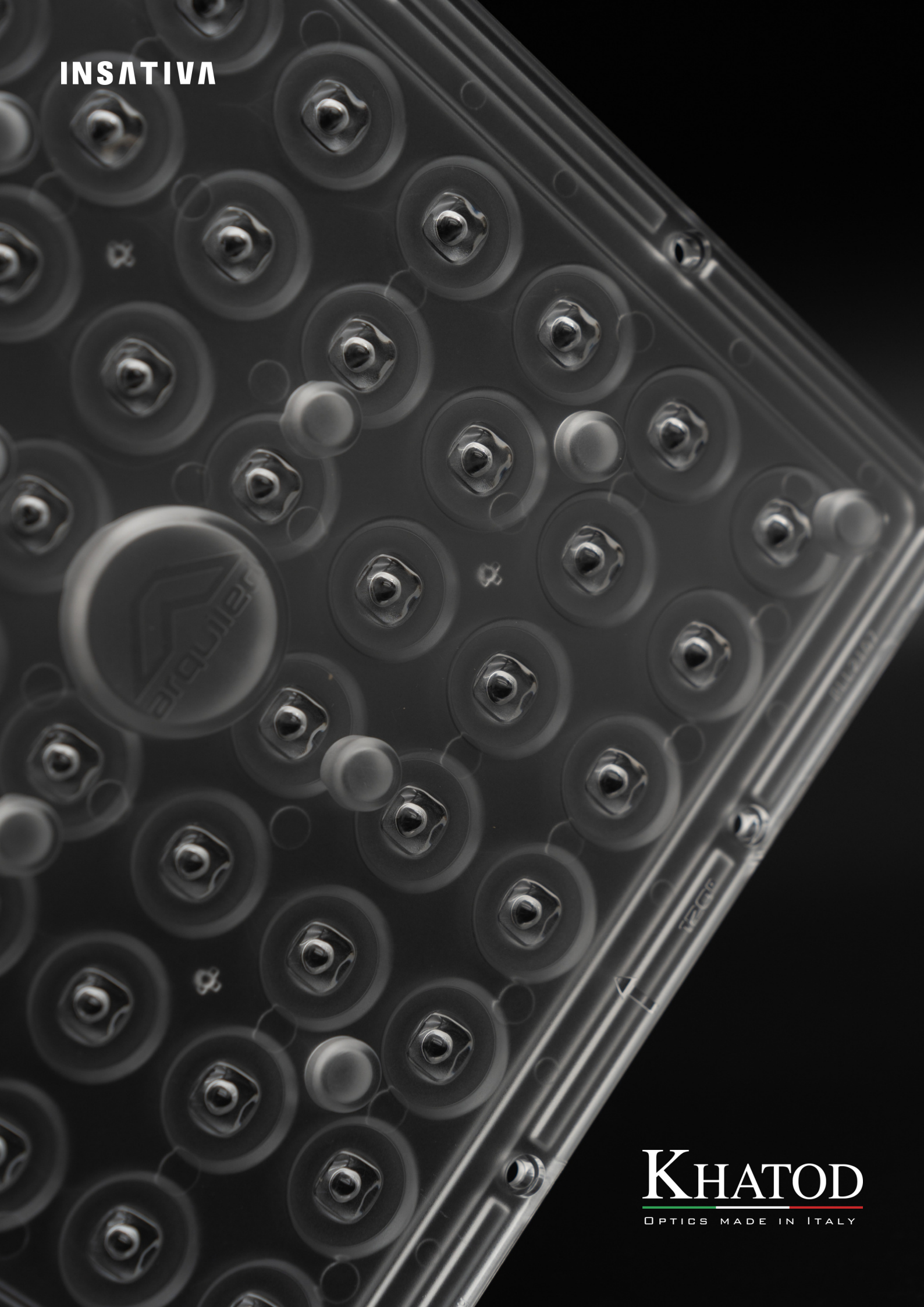


660
nm



730
nm

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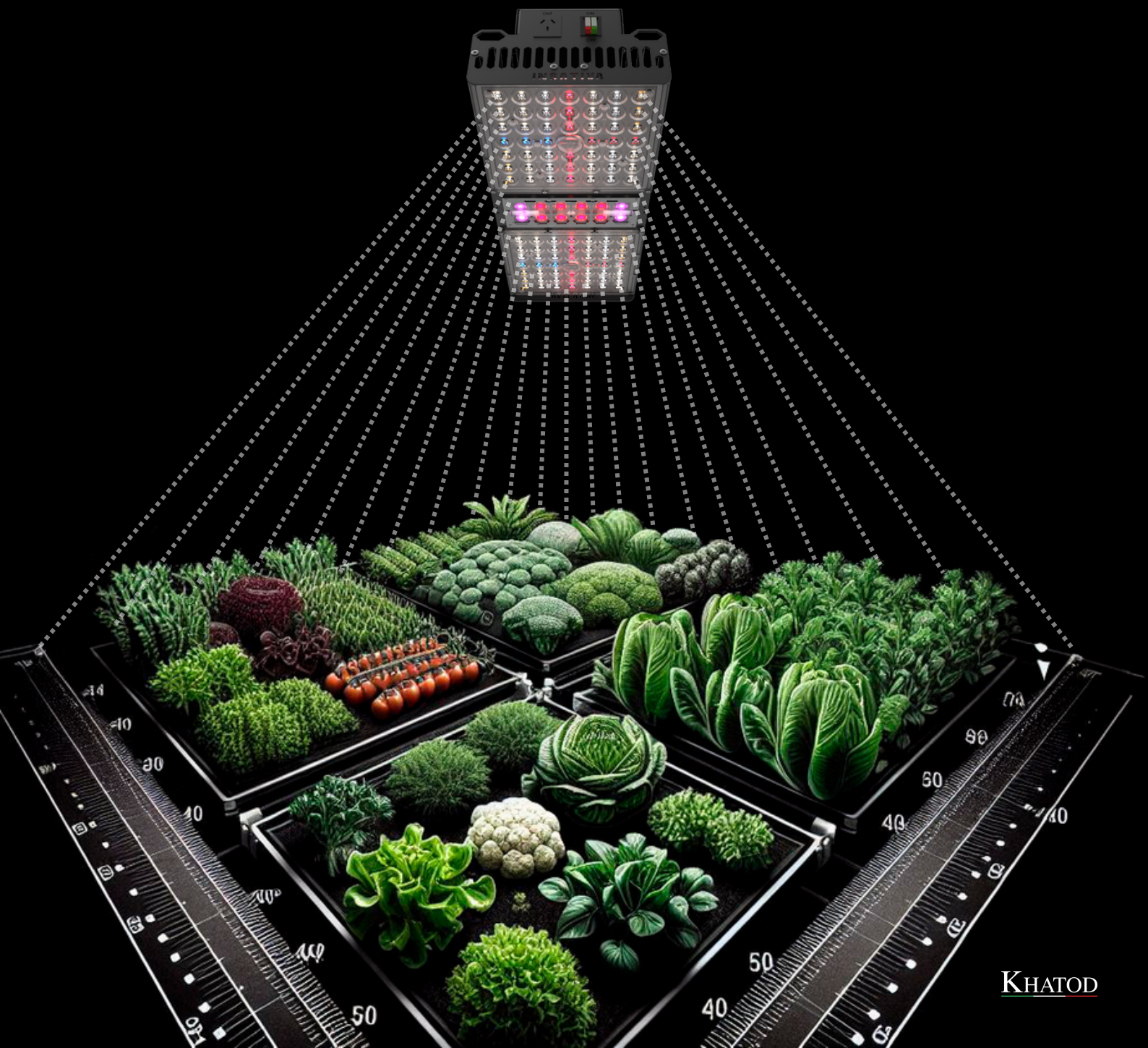
KHATOD
OPTICS MADE IN ITALY

INSATIVA

Get that light out of my eyes!

Extended reach & focus

120° PMMA square optics



KHATOD

INSATIVA



Cool & Quiet

No Fan No problem



Noiseless & Maintenance free
Passive anodized aluminium heatsink



INSATIVA

Smart investment

10 yr
lifetime

3 yr
warranty

∞
support



Dimmable electronic driver

with short circuit, over voltage & over heat protection

INSATIVA



INSATIVA

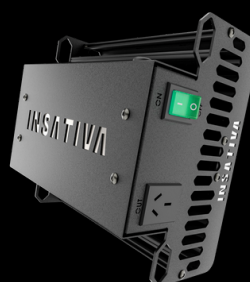
Link

One power
One timer



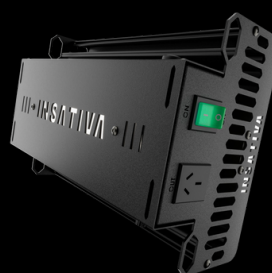
Power	85 w
LED	32
Reach	60 x 60 cm (0.36 m ²)
PPF	177 $\mu\text{mol/s}$
PPE	2.7 $\mu\text{mol/J}$
Dim	N
Link	N

e0



Power	140 w
LED	48
Reach	80 x 80 cm (0.64 m ²)
PPF	282 $\mu\text{mol/s}$
PPE	2.7 $\mu\text{mol/J}$
Dim	Y
Link	Y

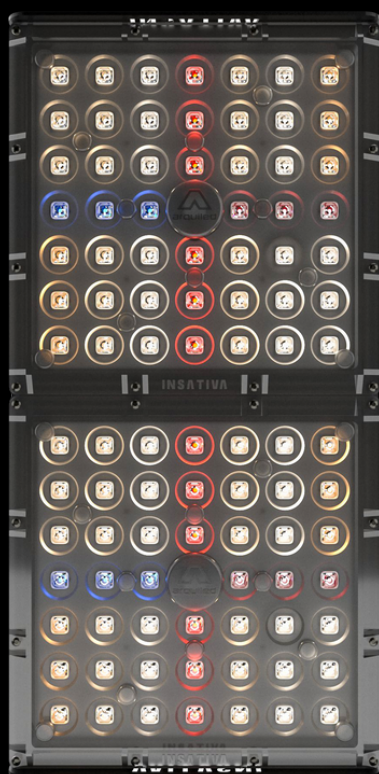
e1





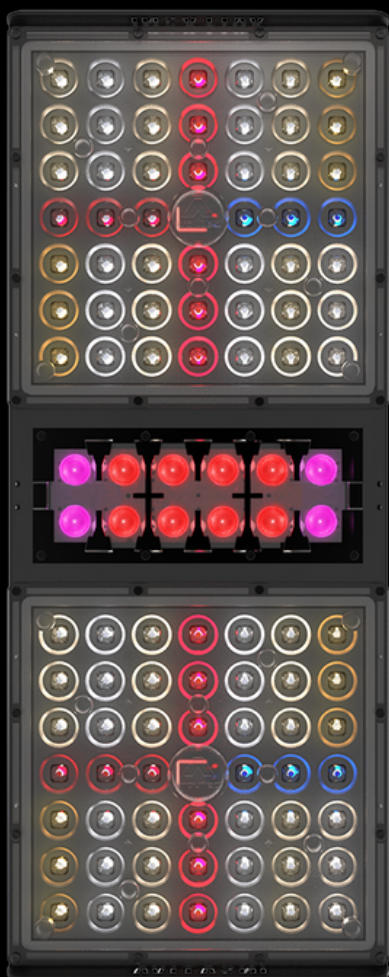
INSATIVA

**Ropes
included**



Power	200 w
LED	96
Reach	100 x 100 cm (1 m ²)
PPF	551 $\mu\text{mol/s}$
PPE	2.7 $\mu\text{mol/J}$
Dim	Y
Link	Y

e2



Power	220 w
LED	96 + 12
Reach	100 x 100 cm (1 m ²)
PPF	561 $\mu\text{mol/s}$
PPE	2.8 $\mu\text{mol/J}$
Dim	Y
Link	Y
Red On/Off	Y

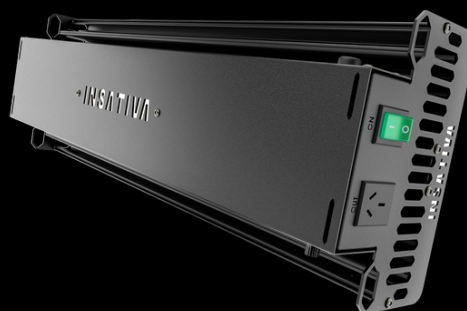
e2r
for
extra
bloom



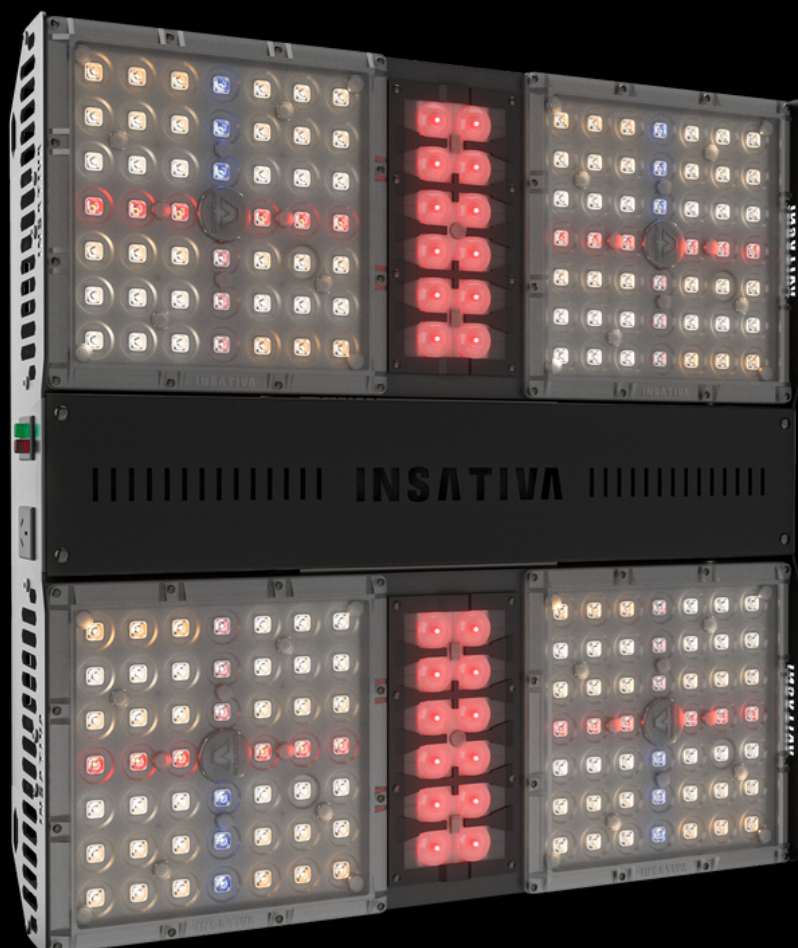
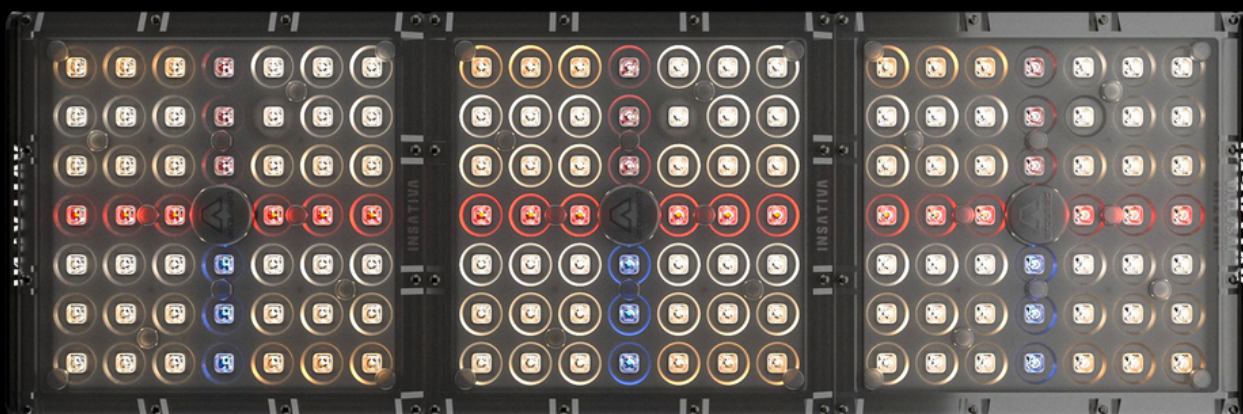
INSATIVA



Power 300 w
LED 144
Reach 120 x 120 cm (1.44 m²)
PPF 826 $\mu\text{mol/s}$
PPE 2.7 $\mu\text{mol/J}$
Dim Y
Link Y



e3



e4r
for
extra
bloom

Power 420 w
LED 192 + 24
Reach 150 x 150 cm (2.25 m²)
PPF 1201 $\mu\text{mol/s}$
PPE 2.9 $\mu\text{mol/J}$
Dim Y
Link Y
Red On/Off Y



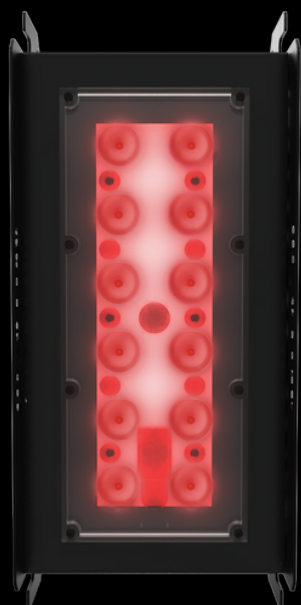
INSATIVA



Increase your yield by **20%**

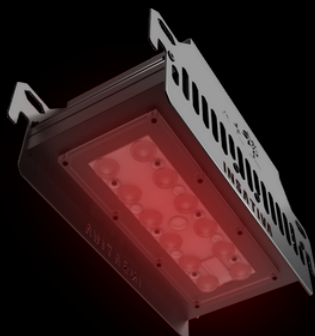
Bloom Booster

Complementary light



Power	20 w
LED	12
Reach	60 x 40 cm (0.24 m ²)
PPF	77 $\mu\text{mol/s}$
PPE	4.38 $\mu\text{mol/J}$
Dim	N
Link	N
Red On/Off	Y

ir
for
extra
bloom



Model	e0	e1	e2	e2r	e3	e4	e4r	ir
Power (w)	85	140	200	220	300	400	440	20
Reach (cm)	60 x 60	80 x 80	100 x 100	100 x 100	120 x 120	150 x 150	150 x 150	60 x 40
Coverage (m2)	0.36	0.64	1	1	1.44	2.25	2.25	0.24
LIGHTING TECHNOLOGY								
Light Source	High power light emitting diode (LED)							
Brand Model	Samsung LH351-Horticulture							
LED Quantity	32	48	96	108	144	192	216	12
UV-A (385 Nm)				4				
UV Royal Blue (450 Nm)	2	3	6	6	9	12	12	
Dawn White (5000 °K)	8	15	30	30	45	60	60	
Daylight White (4000 °K)	12	15	30	30	45	60	60	
Sunset White (3000 °K)	4	6	12	12	18	24	24	
Deep Red (660 Nm)	4	6	12	20	18	24	48	12
Far Red (730 Nm)	2	3	6	6	9	12	12	
PPE [μmol/J]	2,71	2,67	2,68	2,80	2,68	2,70	2,88	4,38
PPF [μmol/s]	177	282	551	561	826	1123	1.201	77
OPTICAL TECHNOLOGY								
Material	Polymethyl methacrylate (PMMA)							Silicone
Brand	Khatod Italy							
Output type	Square							
Opening angle	120°							
Transparency	92%							
Quantity	1	1	2	3	3	4	6	1
ELECTRONIC TECHNOLOGY								
Driver Type	Electronic Constant Current							
Brand	Meanwell	Moso						
Model	HLG	X6		X6+EHC	X6		X6 + EHC	EHC
Power (w)	85	140	200	1 x 200 + 1 x 20	300	2 x 200	2 x 200 + 1 x 40	20
Input Voltage (v)	90 a 305							
Amperage (amp)	0,38	0,65	0,9	1	1,4	1,8	1,9	0,11
Short-circuit Protection	Yes							
Over-voltage Protection	Yes							
Over-heat Protection	Yes							
Dimmer	No	Yes						No
i-Link (Aux Energy Output)	No	Yes						No
Lifetime (hs)	50.000							
REFRIGERATION TECHNOLOGY								
Type	Passive (Fanless)							
Material	Extruded Aluminum							
Finish	Anodized							
Working Temperature (°C)	30 - 75 °C							
SIZE & WEIGHT								
Length (cm)	20	28	20	20	20	50	50	24
Width (cm)	20	28	40	50	60	50	50	11
Height (cm)	12	12	12	12	12	9	9	11
Weight (kg)	4	5	6	8	9	11	13	3