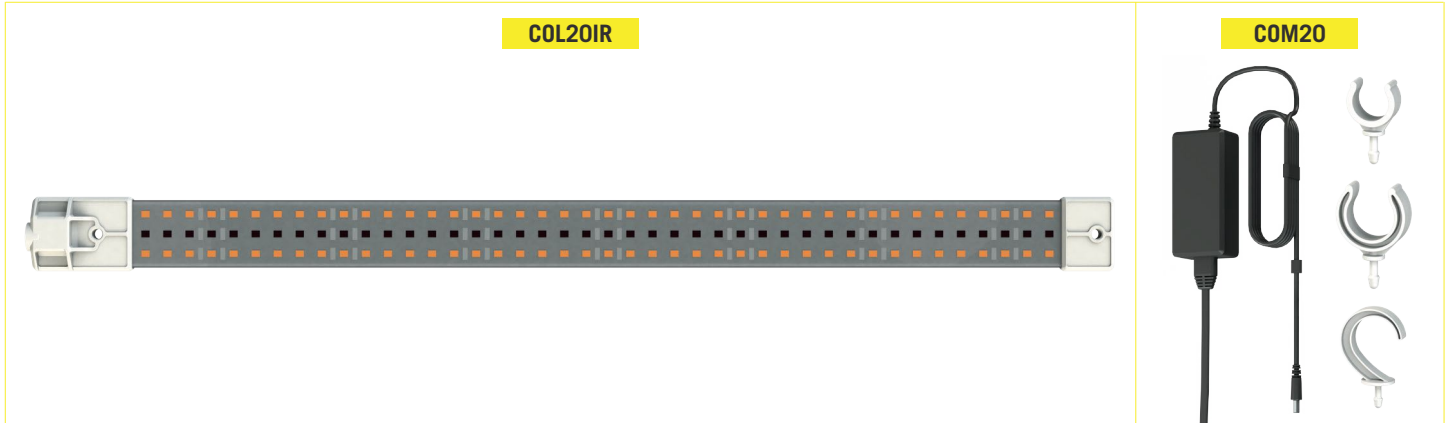


# COSMORROW IR & UV

BOOSTERS (INFRARED & ULTRAVIOLET)



Add a UV or IR supplementary lighting whenever needed with our single power supply.

We recommend using it with a timer separate from the main lighting.

**INFRARED** : Trigger flowering – Heat up your plant – Longer internodes

**ULTRAVIOLET** : Boost immune system – Fights mould – Shorter internodes.

REFERENCE	DESIGNATION	PE [350-750nm]	RATIO
<b>COL20IR</b>	Cosmorrow Led 20w L50 cm / L20" IR	1.7µmol/s/w	1/3 IR - 2/3 2100°K
<b>COL40IR</b>	Cosmorrow Led 40w L90 cm / L36" IR	1.6µmol/s/w	
<b>COL20UV</b>	Cosmorrow Led 20w L50 cm / L20" UV	1.7µmol/s/w	1/3 UVA - 2/3 6500°K
<b>COL40UV</b>	Cosmorrow Led 40w L90 cm / L36" UV	1.6µmol/s/w	
<b>COM20</b>	Cosmorrow Power 1x 20w		
<b>COM40</b>	Cosmorrow Power 1x 40w		

VIDEO



## GENERAL DETAILS

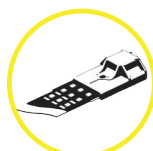
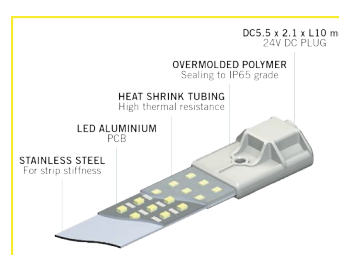
### COSMORROW LED

<b>Lifetime</b>	20 000 hours
<b>Application</b>	Grow tent / Grow room / Multi-layer
<b>Plant growth stage</b>	Any stage
<b>LED brand</b>	San'an Optoelectronics

### COSMORROW POWER

<b>Tube clip diameter</b>	16 - 25 mm / 0.63 - 1.00"
<b>DC plug type</b>	DC 5,5x2,1mm L10mm

### PATENT N°W02021176302



**Cosmorrow Technology**



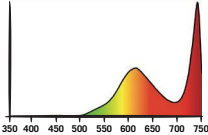
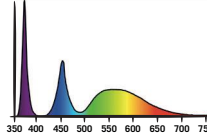
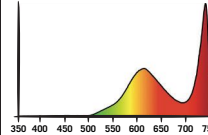
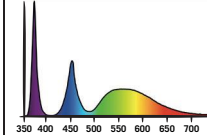
**24 V Bulbs**  
100% Safe





**IP65**  
Water jet resistant



**Unbreakable**  
Strong & Fall resistant

REF	COL20IR	COL20UV	COL40IR	COL40UV
<b>DESIGNATION</b>	Cosmorrow Led 20w L50 cm IR	Cosmorrow Led 20w L50 cm UV	Cosmorrow Led 40w L90 cm IR	Cosmorrow Led 40w L90 cm UV
<b>DESIGNATION</b>	Cosmorrow Led 20w L20" IR	Cosmorrow Led 20w L20" UV	Cosmorrow Led 40w L36" IR	Cosmorrow Led 40w L36" UV
<b>WEIGHT</b>	0,13 kg / 0,3 lb	0,13 kg / 0,3 lb	0,30 kg / 0,7 lb	0,30 kg / 0,7 lb
<b>DIMENSIONS</b>				
Length	47 cm / 18,5 inch	47 cm / 18,5 inch	87 cm / 34 inch	87 cm / 34 inch
Width	3,2 cm / 1,25 inch	3,2 cm / 1,25 inch	3,2 cm / 1,25 inch	3,2 cm / 1,25 inch
Height	1,6 cm / 0,6 inch	1,6 cm / 0,6 inch	1,6 cm / 0,6 inch	1,6 cm / 0,6 inch
<b>POWER</b>				
Consumption	20 W	20 W	40 W	40 W
Voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc
<b>TEMPERATURE</b>				
Working	0 to 40°C / 32 to 105°F	0 to 40°C / 32 to 105°F	0 to 40°C / 32 to 105°F	0 to 40°C / 32 to 105°F
Storing	-20 to 60°C / -4 to 140°F	-20 to 60°C / -4 to 140°F	-20 to 60°C / -4 to 140°F	-20 to 60°C / -4 to 140°F
<b>LED &amp; RATIO</b>				
2100K	66%	-	66%	-
6500K	-	66%	-	66%
730nm	33%	-	33%	-
365nm	-	33%	-	33%
<b>LIGHT MEASUREMENT</b>				
Recommended distance	15 cm / 6 inch	15 cm / 6 inch	15 cm / 6 inch	15 cm / 6 inch
Recommended grow area	0,2m <sup>2</sup> / 2ft <sup>2</sup>	0,4m <sup>2</sup> / 4ft <sup>2</sup>	0,4m <sup>2</sup> / 4ft <sup>2</sup>	0,8m <sup>2</sup> / 8ft <sup>2</sup>
PE	1,7 µmol/J	1,6 µmol/J	1,7 µmol/J	1,6 µmol/J
PF	34 µmol/s	32 µmol/s	68 µmol/s	64 µmol/s
Spectrum				

REF	COM20	COM40
<b>DESIGNATION</b>	Cosmorrow Power 1x 20w UE/UK/US	Cosmorrow Power 1x 20w UE/UK/US
		
<b>WEIGHT</b>	0,35 kg / 0,8 lb	0,70 kg / 1,5 lb
<b>DIMENSIONS ASSEMBLED</b>		
Length	50 cm / 20 inch	90cm / 36 inch
Width	3,2 cm / 1,25 inch	3,2 cm / 1,25 inch
Height	2,5 cm / 1 inch	2,5 cm / 1 inch
<b>POWER</b>		
Input voltage	110-220 V	110-220 V
Input frequency	50/60 Hz	50/60 Hz
Max consumption	20 W	40 W
Output voltage	24 V	24 V
<b>CABLE LENGTH</b>		
24V	180 cm / 70 inch	240 cm / 95 inch
220V	60 cm / 24 inch	60 cm / 24 inch
<b>AC PLUG</b>		
Type	C/G/A Type	C/G/A Type
Country	UE/UK/US	UE/UK/US
<b>TEMPERATURE</b>		
Working	0 to 40°C / 32 to 105°F	0 to 40°C / 32 to 105°F
Storing	-20 to 60°C / -4 to 140°F	-20 to 60°C / -4 to 140°F

