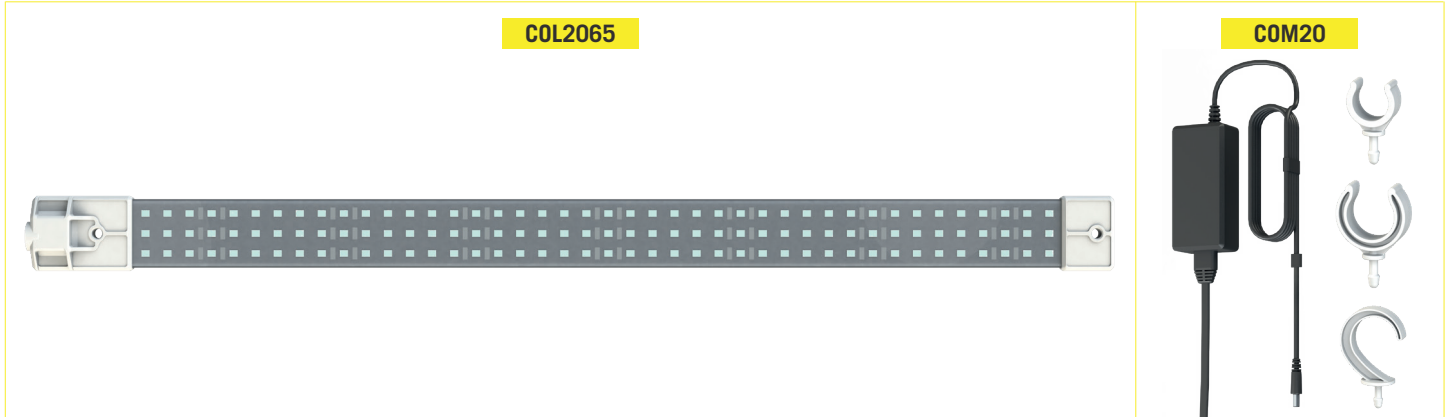


COSMORROW BULBS (COL)

EARLY SPRING SUNLIGHT - BULB REPLACEMENT - CUSTOM SETUP




Replace bulbs of your Cosmorrow kit or create your own system with our 24V bulbs.

Use them with our Cosmorrow power supply, or with any other 24V power supply.

The COL (PPE 2.0 umol/J) is less costly while COP (PPE 2.7 umol/J) has a higher efficiency.

WARNING : COP40BL cannot be interchanged with the others 40W, due to their different lengths.

REFERENCE	DESIGNATION	PPE	VIDEO
COL2065	Cosmorrow Led 20w L50cm / L20" GROW	2.0µmol/s/w	
COL4065	Cosmorrow Led 40w L90cm / L36" GROW	2.0µmol/s/w	
COL20BL	Cosmorrow Led 20w L50cm / L20" BLOOM	1.8µmol/s/w	
COL40BL	Cosmorrow Led 40w L90cm / L36" BLOOM	1.8µmol/s/w	
COM20	Cosmorrow Power 1x20w		
COM40	Cosmorrow Power 1x40w		

GENERAL DETAILS

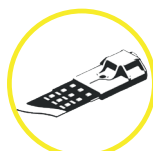
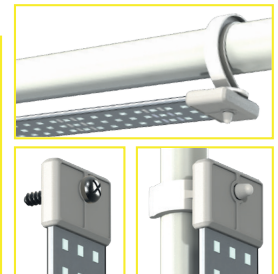
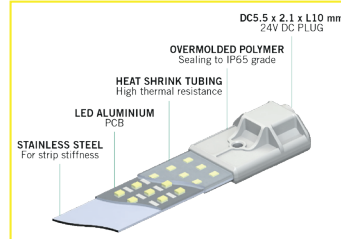
COSMORROW LED

Application	Grow tent / Grow room / Multi-layer / Plant factory
Plant growth stage	Any stage

COSMORROW POWER

Pole clip diameter	16 - 25 mm / 0.6 - 1.0 inch
DC plug type	DC 5,5x2,1mm L10mm

PATENT N°W02021176302



Cosmorrow Technology



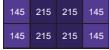
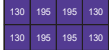
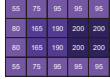
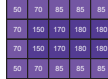
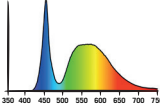
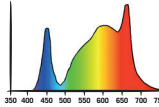
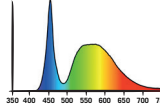
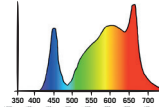


24 V Bulbs
100% Safe



IP65
Water jet resistant



Unbreakable
Strong & Fall resistant

REF	COL2065	COL20BL	COL4065	COL40BL
DESIGNATION METRIC	Cosmorrow Led 20w L50 cm GROW	Cosmorrow Led 20w L50 cm BLOOM	Cosmorrow Led 40w L90 cm GROW	Cosmorrow Led 40w L90 cm BLOOM
DESIGNATION IMPERIAL	Cosmorrow Led 20w L20" GROW	Cosmorrow Led 20w L20" BLOOM	Cosmorrow Led 40w L36" GROW	Cosmorrow Led 40w L36" BLOOM
WEIGHT	0,13 kg / 0,3 lb	0,13 kg / 0,3 lb	0,30 kg / 0,7 lb	0,30 kg / 0,7 lb
DIMENSIONS				
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
POWER				
Consumption	20 W	20 W	40 W	40 W
Voltage	24 Vdc	24 Vdc	24 Vdc	24 Vdc
TEMPERATURE				
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
LED & RATIO				
2100K	-	33%	-	33%
2700K	-	-	-	-
4000K	-	-	-	-
6500K	100%	33%	100%	33%
660nm	-	34%	-	34%
LED BRAND	San'an Opto.	San'an Opto.	San'an Opto.	San'an Opto.
LIFETIME	30 000 hours	30 000 hours	30 000 hours	30 000 hours
IP RATING	IP65	IP65	IP65	IP65
LIGHT MEASUREMENT				
Distance	15 cm / 6 inch	15 cm / 6 inch	15 cm / 6 inch	15 cm / 6 inch
Grow area	60 x 40 cm / 2' x 1½'	60 x 40 cm / 2' x 1½'	120 x 60 cm / 4' x 2'	120 x 60 cm / 4' x 2'
PPE	2 µmol/J	1,8 µmol/J	2 µmol/J	1,8 µmol/J
PPE	40 µmol/s	36 µmol/s	80 µmol/s	72 µmol/s
PPFD average	180 µmol/s/m²	163 µmol/s/m²	119 µmol/s/m²	108 µmol/s/m²
				
Spectrum				
REF	COM20		COM40	
DESIGNATION	Cosmorrow Power 1x 20w UE/UK/US		Cosmorrow Power 1x 20w UE/UK/US	
				
WEIGHT	0,35 kg / 0,8 lb		0,70 kg / 1,5 lb	
DIMENSIONS ASSEMBLED				
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	
POWER				
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	
CABLE LENGTH				
24V	180 cm / 70 inch		240 cm / 95 inch	
220V	60 cm / 24 inch		60 cm / 24 inch	
AC PLUG				
Type	C/G/A Type		C/G/A Type	
Country	UE/UK/US		UE/UK/US	
TEMPERATURE				
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	

