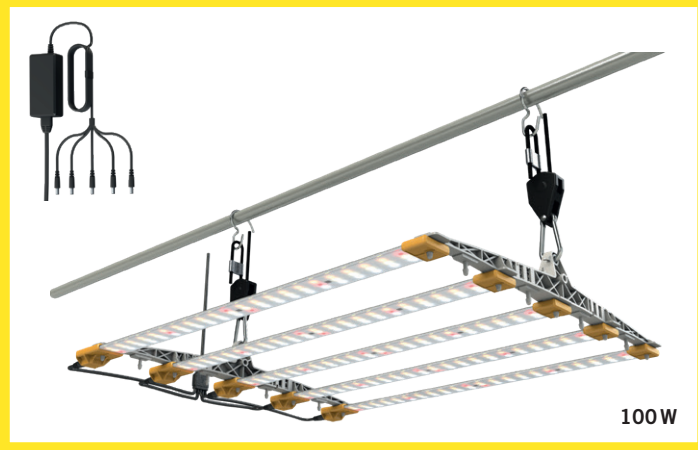




# COSMORROW KIT

100-140W\* FULL SPECTRUM

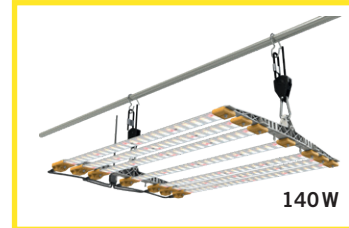
## COM100FS



100W

## UPGRADABLE

COM100FS + 1x UPGRADE 40W\*



140W

Cosmorrow kits are complete lighting systems for high-intensity light requirements.

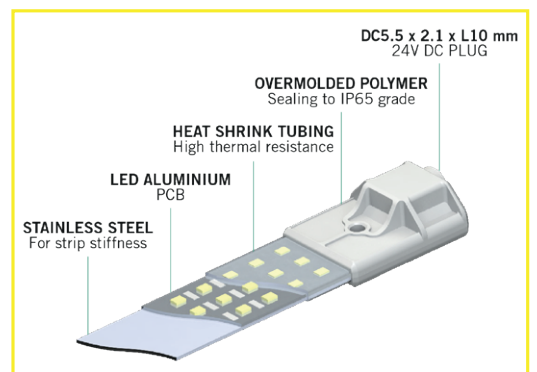
This patented modular technology has made the Cosmorrow waterproof, durable (50.000 hours) and highly resistant with the best light coverage area on the market. It also allows for easy maintenance and upgrades by disconnecting or replacing individual light bulbs. The hanger allows fitting additional COPF20FS LED bulbs (optional) for even higher intensity lighting.

REFERENCE	DESIGNATION	GROW AREA	PPE (bulb)	VIDEO	
COM100FS	Cosmorrow 100/140W FULL SPECTRUM	60x60cm / 2' x 2'	2.85µmol/s/W		
* UPGRADE 40W (sold separately)					
COP20FS	x2 Cosmorrow Led 20W L50cm Full Spectrum				
COM20	x2 Cosmorrow Power 1x20W UE/UK/US (Alternative: 1x COM2X20)				

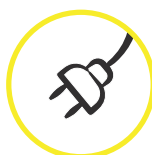
## GENERAL DETAILS

Lifetime	Bulb : 50 000 hours (L90B10) Power supply : 100 000 hours
Application	Grow tent / Grow room / Multi-layer
Plant growth stage	Growing / Blooming
CCT	3500 K
Spectrum	Full Spectrum

## PATENTS US11732880 & EP4115120



**+20% Yield**  
Largest Footprint



**100% Safe**  
24V Bulbs





**Water Jet Resistant**  
IP65



**Highly Durable**  
Strong & Fall Resistant



REF	COM100FS	COM100FS + UPGRADE 40W																																																																								
<b>POWER</b>	<b>100W</b>	<b>140W</b>																																																																								
																																																																										
<b>WEIGHT</b>	1,6 kg / 3,5 lb	2,4 kg / 5,3 lb																																																																								
<b>DIMENSIONS ASSEMBLED</b>																																																																										
Length	50 cm / 20 inch	50 cm / 20 inch																																																																								
Width	40 cm / 15,7 inch	40 cm / 15,7 inch																																																																								
Height	6.5 cm / 2,6 inch	6,5 cm / 2,6 inch																																																																								
<b>POWER</b>																																																																										
Consumption	100 W	140 W																																																																								
Voltage	110-220 V	110-220 V																																																																								
Frequency	50/60 Hz	50/60 Hz																																																																								
<b>CABLE LENGTH</b>																																																																										
24V	180 cm / 70 inch	180 cm / 70 inch																																																																								
220V	60 cm / 24 inch	60 cm / 24 inch																																																																								
<b>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																																																																								
<b>BULB INCLUDED</b>																																																																										
Quantity	5	5 + 2																																																																								
Reference	COP20FS	COP20FS																																																																								
Lifetime	50 000 hours	50 000 hours																																																																								
<b>LED &amp; RATIO</b>																																																																										
660nm	31%	31%																																																																								
2700K	23%	23%																																																																								
4000K	23%	23%																																																																								
6500K	23%	23%																																																																								
<b>LIGHT MEASUREMENT</b>																																																																										
Distance	15 cm / 6 inch	15 cm / 6 inch																																																																								
Area	60 x 60 cm / 2' x 2'	60 x 60 cm / 2' x 2'																																																																								
PPE (Bulb)	2,85 µmol/s/W	2,85 µmol/s/W																																																																								
PPF	271 µmol/s	378 µmol/s																																																																								
PPFD average*	853 µmol/s/m <sup>2</sup>	1213 µmol/s/m <sup>2</sup>																																																																								
PPFD*	<table border="1" data-bbox="644 1503 949 1809"> <tr><td>435</td><td>615</td><td>710</td><td>710</td><td>615</td><td>435</td></tr> <tr><td>615</td><td>980</td><td>1140</td><td>1140</td><td>980</td><td>615</td></tr> <tr><td>710</td><td>1140</td><td>1335</td><td>1335</td><td>1140</td><td>710</td></tr> <tr><td>710</td><td>1140</td><td>1335</td><td>1335</td><td>1140</td><td>710</td></tr> <tr><td>615</td><td>980</td><td>1140</td><td>1140</td><td>980</td><td>615</td></tr> <tr><td>435</td><td>615</td><td>710</td><td>710</td><td>615</td><td>435</td></tr> </table>	435	615	710	710	615	435	615	980	1140	1140	980	615	710	1140	1335	1335	1140	710	710	1140	1335	1335	1140	710	615	980	1140	1140	980	615	435	615	710	710	615	435	<table border="1" data-bbox="1098 1503 1402 1809"> <tr><td>580</td><td>865</td><td>980</td><td>980</td><td>865</td><td>580</td></tr> <tr><td>865</td><td>1490</td><td>1660</td><td>1660</td><td>1490</td><td>865</td></tr> <tr><td>980</td><td>1660</td><td>1835</td><td>1835</td><td>1660</td><td>980</td></tr> <tr><td>980</td><td>1660</td><td>1835</td><td>1835</td><td>1660</td><td>980</td></tr> <tr><td>865</td><td>1490</td><td>1660</td><td>1660</td><td>1490</td><td>865</td></tr> <tr><td>580</td><td>865</td><td>980</td><td>980</td><td>865</td><td>580</td></tr> </table>	580	865	980	980	865	580	865	1490	1660	1660	1490	865	980	1660	1835	1835	1660	980	980	1660	1835	1835	1660	980	865	1490	1660	1660	1490	865	580	865	980	980	865	580
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580	865	980	980	865	580																																																																					

\* Measured on white board

