

COSMORROW KIT

200-280W* FULL SPECTRUM

COM200FS



UPGRADABLE

COM200FS + 1x UPGRADE 80W*



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 COPF40FS LED bulbs (optional) for even higher intensity lighting. The COM200FS lighting kit comes with a highly durable and efficient MeanWell driver.

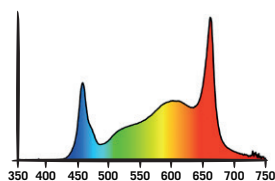
REFERENCE	DESIGNATION	GROW AREA	PPE (bulb)	VIDEO
COM200FS	Cosmorrow 200/280W FULL SPECTRUM	90x90cm / 3' x 3'	2.85 μmol/s/W	

* UPGRADE 80W (sold separately)

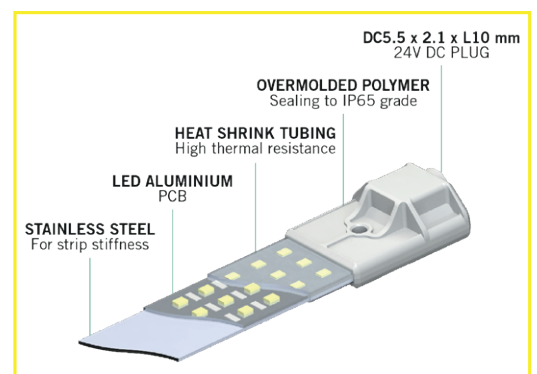
COP40FS	x2	Cosmorrow LED 40W L70cm / L28" FULL SPECTRUM
COM40	x2	Cosmorrow Power 1x40W UE/UK/US (Alternative: 1x COM2X40)

GENERAL DETAILS

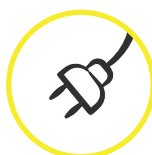
Lifetime	Bulb : 50 000 hours (L90B10) Power supply : 100 000 hours
Application	Grow tent / Grow room / Multi-layer
Plant growth stage	Growing / Blooming
CCT	3500 K
Spectrum	Full Spectrum



PATENTS US11732880 & EP4115120



+20% Yield
Largest Footprint



100% Safe
24V Bulbs





Water Jet Resistant
IP65



Highly Durable
Strong & Fall Resistant



REF	COM200FS	COM200FS + 1x UPGRADE 80W																																																																																																																																																																		
POWER	200W	280W																																																																																																																																																																		
																																																																																																																																																																				
WEIGHT	2,9 kg / 6,4 lb	4.9 kg / 10,8 lb																																																																																																																																																																		
DIMENSIONS ASSEMBLED																																																																																																																																																																				
Length	73 cm / 29 inch	73 cm / 29 inch																																																																																																																																																																		
Width	64 cm / 25 inch	64 cm / 25 inch																																																																																																																																																																		
Height	11,5 cm / 4,5 inch	11,5 cm / 4,5 inch																																																																																																																																																																		
POWER																																																																																																																																																																				
Consumption	200 W	280 W																																																																																																																																																																		
Voltage	110-220 V	110-220 V																																																																																																																																																																		
Frequency	50/60 Hz	50/60 Hz																																																																																																																																																																		
CABLE LENGTH																																																																																																																																																																				
24V	240 cm / 95 inch	240 cm / 95 inch																																																																																																																																																																		
220V	60 cm / 24 inch	60 cm / 24 inch																																																																																																																																																																		
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																																																																																																																																																																		
BULB INCLUDED																																																																																																																																																																				
Quantity	5	5 + 2																																																																																																																																																																		
Reference	COP40FS	COP40FS																																																																																																																																																																		
Lifetime	50 000 hours	50 000 hours																																																																																																																																																																		
LED & RATIO																																																																																																																																																																				
660nm	31%	31%																																																																																																																																																																		
2700K	23%	23%																																																																																																																																																																		
4000K	23%	23%																																																																																																																																																																		
6500K	23%	23%																																																																																																																																																																		
LIGHT MEASUREMENT																																																																																																																																																																				
Distance	20 cm / 8 inch	20 cm / 8 inch																																																																																																																																																																		
Area	90 x 90 cm / 3' x 3'	90 x 90 cm / 3' x 3'																																																																																																																																																																		
PPE (Bulb)	2,85 µmol/s/W	2,85 µmol/s/W																																																																																																																																																																		
PPF	542 µmol/s	756 µmol/s																																																																																																																																																																		
PPFD average*	801 µmol/s/m ²	1100 µmol/s/m ²																																																																																																																																																																		
PPFD*	<table border="1" data-bbox="606 1456 997 1848"> <tr><td>495</td><td>555</td><td>595</td><td>600</td><td>630</td><td>600</td><td>595</td><td>555</td><td>495</td></tr> <tr><td>555</td><td>745</td><td>845</td><td>845</td><td>895</td><td>845</td><td>845</td><td>745</td><td>555</td></tr> <tr><td>595</td><td>930</td><td>940</td><td>1040</td><td>1090</td><td>1040</td><td>940</td><td>930</td><td>595</td></tr> <tr><td>600</td><td>920</td><td>930</td><td>1080</td><td>1100</td><td>1080</td><td>930</td><td>920</td><td>600</td></tr> <tr><td>630</td><td>935</td><td>970</td><td>1100</td><td>1125</td><td>1100</td><td>970</td><td>935</td><td>630</td></tr> <tr><td>600</td><td>920</td><td>930</td><td>1080</td><td>1100</td><td>1080</td><td>930</td><td>920</td><td>600</td></tr> <tr><td>595</td><td>930</td><td>940</td><td>1040</td><td>1090</td><td>1040</td><td>940</td><td>930</td><td>595</td></tr> <tr><td>555</td><td>745</td><td>845</td><td>845</td><td>895</td><td>845</td><td>845</td><td>745</td><td>555</td></tr> <tr><td>495</td><td>555</td><td>595</td><td>600</td><td>630</td><td>600</td><td>595</td><td>555</td><td>495</td></tr> </table>	495	555	595	600	630	600	595	555	495	555	745	845	845	895	845	845	745	555	595	930	940	1040	1090	1040	940	930	595	600	920	930	1080	1100	1080	930	920	600	630	935	970	1100	1125	1100	970	935	630	600	920	930	1080	1100	1080	930	920	600	595	930	940	1040	1090	1040	940	930	595	555	745	845	845	895	845	845	745	555	495	555	595	600	630	600	595	555	495	<table border="1" data-bbox="1061 1456 1452 1848"> <tr><td>680</td><td>765</td><td>815</td><td>825</td><td>865</td><td>825</td><td>815</td><td>765</td><td>680</td></tr> <tr><td>765</td><td>1025</td><td>1160</td><td>1160</td><td>1225</td><td>1160</td><td>1160</td><td>1025</td><td>765</td></tr> <tr><td>815</td><td>1275</td><td>1290</td><td>1430</td><td>1495</td><td>1430</td><td>1290</td><td>1275</td><td>815</td></tr> <tr><td>825</td><td>1260</td><td>1275</td><td>1480</td><td>1510</td><td>1480</td><td>1275</td><td>1260</td><td>825</td></tr> <tr><td>865</td><td>1280</td><td>1330</td><td>1510</td><td>1545</td><td>1510</td><td>1330</td><td>1280</td><td>865</td></tr> <tr><td>825</td><td>1260</td><td>1275</td><td>1480</td><td>1510</td><td>1480</td><td>1275</td><td>1260</td><td>825</td></tr> <tr><td>815</td><td>1275</td><td>1290</td><td>1430</td><td>1495</td><td>1430</td><td>1290</td><td>1275</td><td>815</td></tr> <tr><td>765</td><td>1025</td><td>1160</td><td>1160</td><td>1225</td><td>1160</td><td>1160</td><td>1025</td><td>765</td></tr> <tr><td>680</td><td>765</td><td>815</td><td>825</td><td>865</td><td>825</td><td>815</td><td>765</td><td>680</td></tr> </table>	680	765	815	825	865	825	815	765	680	765	1025	1160	1160	1225	1160	1160	1025	765	815	1275	1290	1430	1495	1430	1290	1275	815	825	1260	1275	1480	1510	1480	1275	1260	825	865	1280	1330	1510	1545	1510	1330	1280	865	825	1260	1275	1480	1510	1480	1275	1260	825	815	1275	1290	1430	1495	1430	1290	1275	815	765	1025	1160	1160	1225	1160	1160	1025	765	680	765	815	825	865	825	815	765	680
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* Measured on white board

