





# LIGHTING : PRODUCT POSITIONNING

		
	<b>COSMORROW LED</b>	<b>TLED</b>
<b>TECHNOLOGIE</b>	LED	LED
<b>APPLICATION</b>		
<b>INVESTMENT</b>	\$\$	\$\$\$
<b>CONSUMPTION</b>	\$	\$
<b>DURABILITY</b>	COL ★★☆☆☆ COP ★★☆☆☆	★★★★☆

## LIGHT LEVEL VS GROW STAGE

LEVEL I			LEVEL II			LEVEL III				
0-100	100-200	200-300	300-400	400-500	500-600	600-800	800-1000	1000-1200	1200-1400	1400+
EARLY SPRING SUNLIGHT			SPRING SUNLIGHT			SUMMER SUNLIGHT				
Cutting, Seedling, Vegetative			Growing			Blooming				

# COSMORROW TECHNOLOGY

Compact, solid, water proof, durable, safe (24V)



1. COSMORROW KITS FULL SPECTRUM



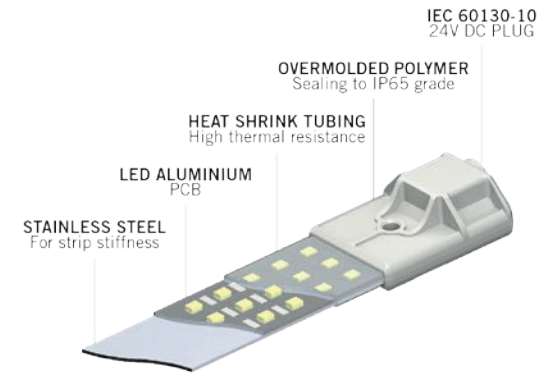
2. COSMORROW TNOLED GROW SPECTRUM



3. COSMORROW BOOSTERS UV & IR



4. COSMORROW BULBS & POWER SUPPLIES



Patent n°W02021176302



**IP65**  
Waterproof



**Strong**  
Fall resistant



**24V Bulbs**  
100% Safe



**Custom**  
Spectrum

# COSMORROW KITS : FULL SPECTRUM

## SUMMER SUNLIGHT



**COM60K**



**COM100K**



REFERENCE	DESIGNATION	POWER	GROW AREA	PPE	PPF	PPFD AVERAGE*	BULBS INCULDED	COLOR / LINE	SPECTRUM
<b>COM60K</b>	Cosmorrow 60W FULL SPECTRUM	60 W	60x40 cm	2.4 $\mu\text{mol/s/W}$	144 $\mu\text{mol/s}$	765 $\mu\text{mol/s/m}^2$	3x COP20BL		
<b>COM100K</b>	Cosmorrow 100W FULL SPECTRUM	100 W	60x60 cm	2.4 $\mu\text{mol/s/W}$	240 $\mu\text{mol/s}$	728 $\mu\text{mol/s/m}^2$	5x COP20BL		

\* d=15cm

# COSMORROW KITS : 200 – 280 – 360 W\* FULL SPECTRUM

## SUMMER SUNLIGHT



**COM200FS**

**COM200FS + 1x UPGRADE 80W : 280W\***



**COM200FS + 2x UPGRADE 80W : 360W\***



REFERENCE	DESIGNATION	POWER	GROW AREA	PPE (bulb)	PPF	PPFD AVERAGE*2	BULBS INCULDED	COLOR / LINE	SPECTRUM
<b>COM200FS</b>	Cosmorrow 200W FULL SPECTRUM	200W	80x80 cm	2.85 μmol/s/W	540 μmol/s	1122 μmol/s/m <sup>2</sup>	5x COP40FS		
	+1x UPGRADE 80W	280W	90x90 cm	2.85 μmol/s/W	756 μmol/s	1108 μmol/s/m <sup>2</sup>	7x COP40FS		
	+2x UPGRADE 80W	360W	100x100 cm	2.85 μmol/s/W	972 μmol/s	1101 μmol/s/m <sup>2</sup>	9x COP40FS		

\* UPGRADE 80W (sold separately)

- COP40FS** x2 Cosmorrow LED 40W L70cm FULL SPECTRUM
- COM40** x2 Cosmorrow Power 1x40W (Alternative: 1x COM2X40)

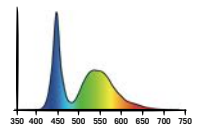
\*2 200W : d=20cm / 280W : d=25cm / 360W : d=30cm

# COSMORROW TNOLED : GROW SPECTRUM

## SPRING SUNLIGHT



REFERENCE	DESIGNATION	POWER	GROW AREA	PPE	PPF	PPFD AVERAGE*	INCLUDED BULBS	COLOR / LINE	SPECTRUM
<b>TN04065</b>	TNoled 2x20W GROWING	40W	60x40cm	2.0 $\mu\text{mol/s/W}$	80 $\mu\text{mol/s}$	355 $\mu\text{mol/s/m}^2$	2x COL2065		
<b>TN08065</b>	TNoled 2x40W GROWING	80W	120x40cm	2.0 $\mu\text{mol/s/W}$	160 $\mu\text{mol/s}$	363 $\mu\text{mol/s/m}^2$	2x COL4065	6500 K 6500 K 6500 K	



\* d=15cm

# COSMORROW IR & UV BOOSTER (INFRARED & ULTRAVIOLET)



Add a UV or IR booster 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

## BULBS

REFERENCE	DESIGNATION	PPF	COLOR / LINE	SPECTRUM	
<b>COL20IR</b>	Cosmorrow Led 20W L50cm IR	34 $\mu\text{mol/s}$	<p>2100 K    730 nm    2100 K</p>		<p>COL20IR</p>
<b>COL20UV</b>	Cosmorrow Led 20W L50cm UV	32 $\mu\text{mol/s}$	<p>6500 K    365 nm    6500 K</p>		<p>COL20UV</p>

## LIGHTING FIXTURE (EXC. BULB)

REFERENCE	DESIGNATION	POWER MAX
<b>COM20</b>	Cosmorrow Power 1x20W	20W

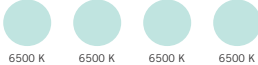
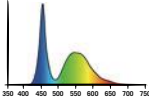

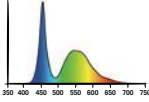
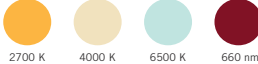
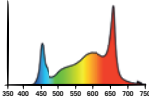
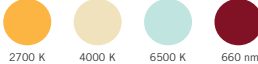
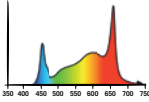


# COSMORROW BULBS & POWER SUPPLY



COP20BL

## BULBS

REFERENCE	DESIGNATION	PPE	PPF	COLOR / LINE	SPECTRUM
<b>COP2065</b>	Cosmorrow Led 20W L50cm GROW	2.7 $\mu\text{mol/s/W}$	54 $\mu\text{mol/s}$	 6500 K 6500 K 6500 K 6500 K	
<b>COL4065</b>	Cosmorrow Led 40W L90cm GROW	2.0 $\mu\text{mol/s/W}$	80 $\mu\text{mol/s}$	 6500 K 6500 K 6500 K	
<b>COP20BL</b>	Cosmorrow Led 20W L50cm FULL SPECTRUM	2.4 $\mu\text{mol/s/W}$	48 $\mu\text{mol/s}$	 2700 K 4000 K 6500 K 660 nm	
<b>COP40FS</b>	Cosmorrow Led 40W L70cm FULL SPECTRUM	2.85 $\mu\text{mol/s/W}$	114 $\mu\text{mol/s}$	 2700 K 4000 K 6500 K 660 nm	

## LIGHTING FIXTURE (EXC. BULB)

REFERENCE	DESIGNATION	POWER MAX
<b>COM20</b>	Cosmorrow Power 1x20W	20W
<b>COM40</b>	Cosmorrow Power 1x40W	40W

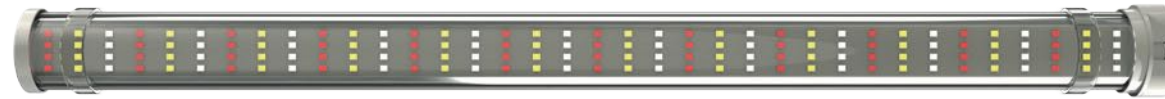


# TLED

A 50.000-HOUR LIFETIME



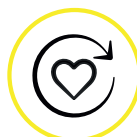
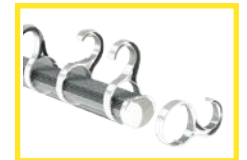
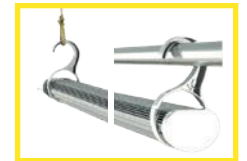
TLED4625



TLED2630

## BULBS

REFERENCE	DESIGNATION	PPE	PPF	SPECTRUM
<b>TLED2630</b>	TLED 26W L54cm FULL SPECTRUM	2.0 $\mu\text{mol/s/W}$	52 $\mu\text{mol/s}$	
<b>TLED4230</b>	TLED 42W L95cm FULL SPECTRUM	2.0 $\mu\text{mol/s/W}$	84 $\mu\text{mol/s}$	
<b>TLED2665</b>	TLED 26W L54cm GROWING	2.0 $\mu\text{mol/s/W}$	52 $\mu\text{mol/s}$	
<b>TLED4265</b>	TLED 42W L95cm GROWING	2.0 $\mu\text{mol/s/W}$	84 $\mu\text{mol/s}$	



Durability



Easy to install



Compact