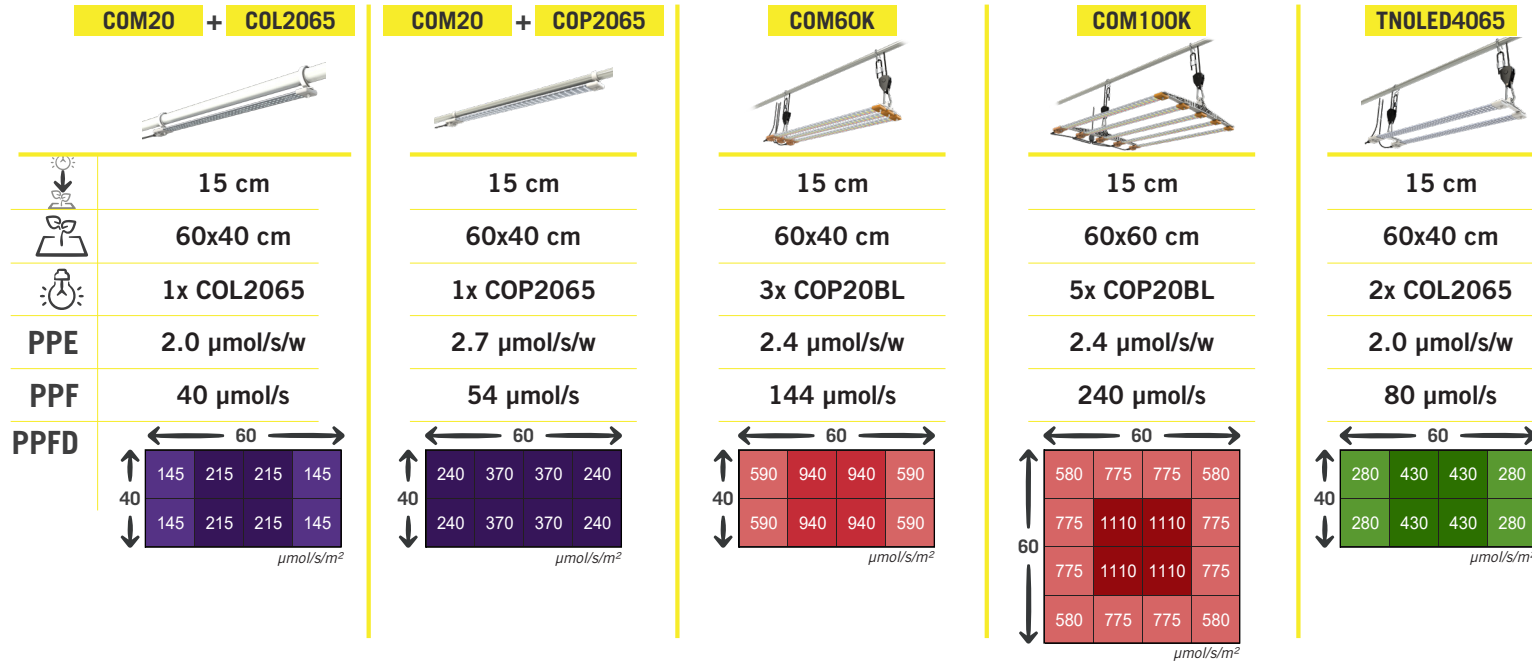


◆◆◆ TECHNICAL DATA : 20W ◆◆◆



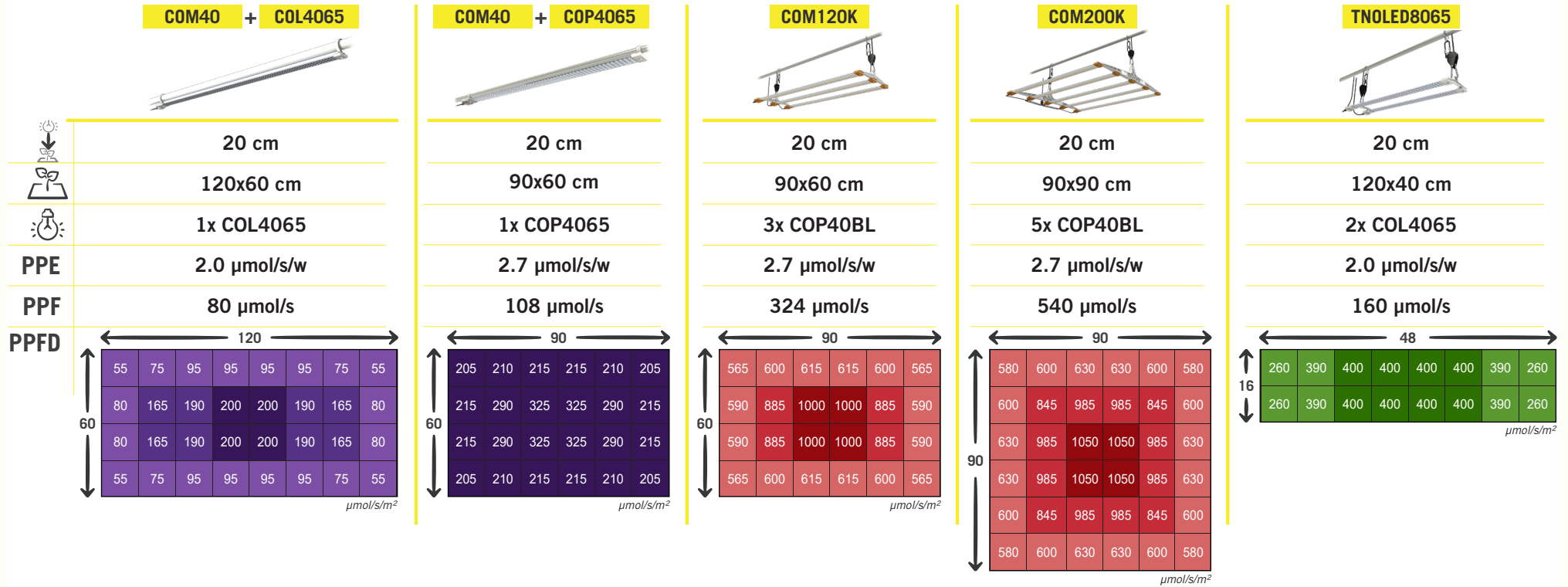
P.P.F.D = $\mu\text{mol/s/m}^2$

| COSMORROW | | WGT | DIM. ASSEMBLED | | | POWER | | | CABLE LENGTHS | | PLUGS | | TEMPERATURE | | BULBS INC. | |
|-----------|----------------------------------|--------|----------------|------|------|---------|-----------|----------|---------------|-----------------|------------|-------------------|-----------------|-----------------|------------|---|
| REF | DESIGNATION | Net kg | L cm | W cm | H cm | Cons. W | Voltage V | Freq. Hz | L (24V) cm | L (110-220V) cm | Included | Adaptor Countries | Working Min-Max | Storing Min-Max | Ref. | # |
| COM20 | Cosmorrow Power 1x 20w UE/UK/US | 0,35 | 50 | 3,2 | 2,5 | 20 | 110-220 | 50/60 | 180 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | - | - |
| COM60K | Cosmorrow 60W BLOOMING UE/UK/US | 0,55 | 50 | 12 | 4,0 | 60 | 110-220 | 50/60 | 180 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COP20BL | 3 |
| COM100K | Cosmorrow 100W BLOOMING UE/UK/US | 0,95 | 50 | 40 | 6,5 | 100 | 110-220 | 50/60 | 180 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COP20BL | 5 |

| TNOLED | | WGT | DIM. ASSEMBLED | | | POWER | | | CABLE LENGTHS | | PLUGS | | TEMPERATURE | | BULBS INC. | |
|---------|--------------------------------|--------|----------------|------|------|---------|-----------|----------|---------------|-----------------|------------|-------------------|-----------------|-----------------|------------|---|
| REF | DESIGNATION | Net kg | L cm | W cm | H cm | Cons. W | Voltage V | Freq. Hz | L (24V) cm | L (110-220V) cm | Included | Adaptor Countries | Working Min-Max | Storing Min-Max | Ref. | # |
| TNO40BL | TNoled 2x20w BLOOMING UE/UK/US | 0,75 | 50 | 12 | 4 | 40 | 110-220 | 50/60 | 180 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COL20BL | 2 |
| TNO4065 | TNoled 2x20w GROWING UE/UK/US | 0,75 | 50 | 12 | 4 | 40 | 110-220 | 50/60 | 180 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COL2065 | 2 |

| COSMORROW : BULB 20W | | WGT | DIMENSIONS | | | POWER | | | COLOR | | | | PPF | PPE | TEMPERATURE | | IP |
|----------------------|---------------------------------------|--------|------------|------|------|---------|---------|-----------|-------------|-------------|-------------|-------------|-------------------|---------------------|-----------------|-----------------|-------|
| REF | DESIGNATION | Net kg | L cm | W cm | H cm | Cons. W | Volt. V | Current A | Line 1 Type | Line 2 Type | Line 3 Type | Line 4 Type | $\mu\text{mol/s}$ | $\mu\text{mol/s/w}$ | Working Min-Max | Storing Min-Max | Class |
| COP20BL | Cosmorrow Led 20w PPE2.4 L50 cm BLOOM | 0,16 | 47 | 3,2 | 1,5 | 20 | 24 | 0,83 | 2700 K | 4000 K | 6500 K | 660 nm | 48 | 2,4 | 0 to 40°C | -20 to 60°C | IP65 |
| COP2065 | Cosmorrow Led 20w PPE2.7 L50 cm GROW | 0,16 | 47 | 3,2 | 1,5 | 20 | 24 | 0,83 | 6500 K | 6500 K | 6500 K | 6500 K | 54 | 2,7 | 0 to 40°C | -20 to 60°C | IP65 |
| COL20BL | Cosmorrow Led 20w L50 cm BLOOM | 0,16 | 47 | 3,2 | 1,5 | 20 | 24 | 0,83 | 6500 K | 2100 K | 660 nm | - | 36 | 1,8 | 0 to 40°C | -20 to 60°C | IP65 |
| COL2065 | Cosmorrow Led 20w L50 cm GROW | 0,16 | 47 | 3,2 | 1,5 | 20 | 24 | 0,83 | 6500 K | 6500 K | 6500 K | - | 40 | 2,0 | 0 to 40°C | -20 to 60°C | IP65 |
| COL20IR | Cosmorrow Led 20w L50 cm IR | 0,16 | 47 | 3,2 | 1,5 | 20 | 24 | 0,83 | 2100 K | 730 nm | 2100 K | - | 34 | 1,7 | 0 to 40°C | -20 to 60°C | IP65 |
| COL20UV | Cosmorrow Led 20w L50 cm UV | 0,16 | 47 | 3,2 | 1,5 | 20 | 24 | 0,83 | 6500 K | 365 nm | 6500 K | - | 32 | 1,6 | 0 to 40°C | -20 to 60°C | IP65 |

◆◆◆ TECHNICAL DATA : 40W ◆◆◆



| COSMORROW | | WGT | DIM. ASSEMBLED | | | POWER | | | CABLE LENGTHS | | PLUGS | | TEMPERATURE | | BULBS INC. | |
|-----------|----------------------------------|--------|----------------|------|------|---------|-----------|----------|---------------|---------------|------------|-------------------|-----------------|-----------------|------------|---|
| REF | DESIGNATION | Net kg | L cm | W cm | H cm | Cons. W | Voltage V | Freq. Hz | (24V) cm | (110-220V) cm | Included | Adaptor Countries | Working Min-Max | Storing Min-Max | Ref. | # |
| COM40 | Cosmorrow Power 1x40w UE/UK/US | 0,7 | 70 | 3,2 | 2,5 | 40 | 110-220 | 50/60 | 240 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | - | - |
| COM120K | Cosmorrow 120W BLOOMING UE/UK/US | 1,1 | 70 | 27 | 6,5 | 120 | 110-220 | 50/60 | 240 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COP40BL | 3 |
| COM200K | Cosmorrow 200W BLOOMING UE/UK/US | 1,9 | 70 | 64 | 11,5 | 200 | 110-220 | 50/60 | 240 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COP40BL | 5 |

| TNOLED | | WGT | DIM. ASSEMBLED | | | POWER | | | CABLE LENGTHS | | PLUGS | | TEMPERATURE | | BULBS INC. | |
|---------|--------------------------------|--------|----------------|------|------|---------|-----------|----------|---------------|-----------------|------------|-------------------|-----------------|-----------------|------------|---|
| REF | DESIGNATION | Net kg | L cm | W cm | H cm | Cons. W | Voltage V | Freq. Hz | L (24V) cm | L (110-220V) cm | Included | Adaptor Countries | Working Min-Max | Storing Min-Max | Ref. | # |
| TNO80BL | TNoled 2x40w BLOOMING UE/UK/US | 1,00 | 90 | 12 | 4 | 80 | 110-220 | 50/60 | 240 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COL40BL | 2 |
| TNO8065 | TNoled 2x40w GROWING UE/UK/US | 1,00 | 90 | 12 | 4 | 80 | 110-220 | 50/60 | 240 | 60 | C/G/A Type | UE/UK/US | 0 to 40°C | -20 to 60°C | COL4065 | 2 |

| COSMORROW : BULB 40W | | WGT | DIMENSIONS | | | POWER | | | COLOR | | | | PPF | PPE | TEMPERATURE | | IP |
|----------------------|---------------------------------------|--------|------------|------|------|---------|---------|-----------|-------------|-------------|-------------|-------------|--------|----------|-----------------|-----------------|-------|
| REF | DESIGNATION | Net kg | L cm | W cm | H cm | Cons. W | Volt. V | Current A | Line 1 Type | Line 2 Type | Line 3 Type | Line 4 Type | μmol/s | μmol/s/w | Working Min-Max | Storing Min-Max | Class |
| COP40BL | Cosmorrow Led 40w PPE2.7 L70 cm BLOOM | 0,35 | 69 | 4,2 | 1,5 | 40 | 24 | 1,67 | 2700 K | 4000 K | 6500 K | 660 nm | 108 | 2,7 | 0 to 40°C | -20 to 60°C | IP65 |
| COP4065 | Cosmorrow Led 40w PPE2.7 L70 cm GROW | 0,35 | 69 | 4,2 | 1,5 | 40 | 24 | 1,67 | 6500 K | 6500 K | 6500 K | 6500 K | 108 | 2,7 | 0 to 40°C | -20 to 60°C | IP65 |
| COL40BL | Cosmorrow Led 40w L90 cm BLOOM | 0,32 | 87 | 3,2 | 1,5 | 40 | 24 | 1,67 | 6500 K | 2100 K | 660 nm | - | 72 | 1,8 | 0 to 40°C | -20 to 60°C | IP65 |
| COL4065 | Cosmorrow Led 40w L90 cm GROW | 0,32 | 87 | 3,2 | 1,5 | 40 | 24 | 1,67 | 6500 K | 6500 K | 6500 K | - | 80 | 2,0 | 0 to 40°C | -20 to 60°C | IP65 |
| COL40IR | Cosmorrow Led 40w L90 cm IR | 0,32 | 87 | 3,2 | 1,5 | 40 | 24 | 1,67 | 2100 K | 730 nm | 2100 K | - | 68 | 1,7 | 0 to 40°C | -20 to 60°C | IP65 |
| COL40UV | Cosmorrow Led 40w L90 cm UV | 0,32 | 87 | 3,2 | 1,5 | 40 | 24 | 1,67 | 6500 K | 365 nm | 6500 K | - | 64 | 1,6 | 0 to 40°C | -20 to 60°C | IP65 |