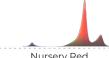


Gracy is an innovative lighting solution that can be cut into any shape and size. It is both available for indoor and outdoor use, with a market-leading lifespan, The lightweight aluminum panel is only 6mm slim and enable multiple applications.



Spectra



Nursery Red

Spectrum with focus on the red and far red color to promote growth in the early stages of plant development

Nursery Far Red

Spectrum with added far red which focus on the red and far red color to promote growth in the early stages of plant development.

Growlight Full

Full sprectrum growlight suitable for varying crops and the use during the entire crop growth phase.

Recommended for versatile use.

Growlight Drive

Full sprectrum growlight suitable for an efficient growth phase.

Recommended for use in combination with a preharvest light stage.

Preharvest

Preharvest spectrum for adding flavour and ensure freshness.

Recommended for use in combination with a growth stage with a high proportion of reds.

Applications



Nurseries



Vertical farms



Indoor farms

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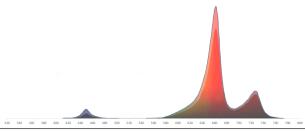
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Spectra

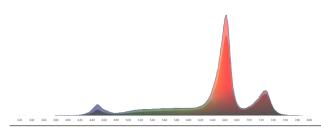




UV	Blue	Green	Red	Far red
-	440-460 nm	(Broad)	650-670 nm	720-740 nm
0 %	3 %	11 %	75 %	11 %

	LED panel type	Light output [µmol/s]	Efficacy [µmol/J]
	LOW	106	3.01
	MID	132	3.01
_	HIGH	165	3.01

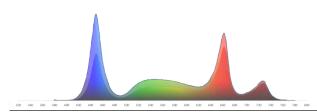
Nursery Far Red



UV	Blue	Green	en Red Far re	
-	440-460 nm	(Broad)	650-670 nm	720-740 nm
0 %	6%	12 %	64 %	19 %

LED panel type	Light output [µmol/s]	Efficacy [µmol/J]
LOW	106	3.21
MID	132	3.21
HIGH	165	3.21

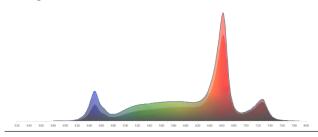
Growlight Full



UV	Blue	Green	Red	Far red
-	440-460 nm	(Broad)	650-670 nm	720-740 nm
0 %	27 %	24 %	37 %	11 %

LED panel type	Light output [µmol/s]	Efficacy [µmol/J]
LOW	106	3.08
MID	132	3.08
LUCII	165	7.00

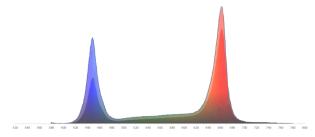
Growlight Drive



UV	Blue	Green	een Red Far i	
-	440-460 nm	(Broad)	650-670 nm	720-740 nm
0 %	11 %	22 %	56 %	11 %

LED panel type	Light output [µmol/s]	Efficacy [µmol/J]
LOW	128	3.13
MID	160	3.13
HIGH	200	3.13

Preharvest



UV	Blue	Green Red Far re		Far red
-	440-460 nm	(Broad)	650-670 nm	720-740 nm
0 %	26 %	11 %	61 %	2 %

LED panel type	nel type Light output [μmol/s] Efficacy [μm	
LOW	128	3.08
MID	160	3.08
HIGH	200	3.08

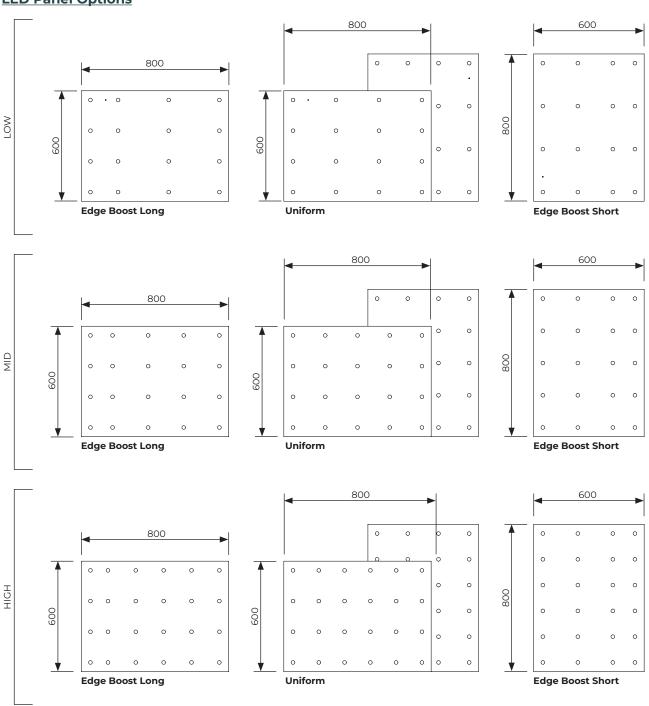
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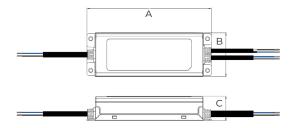
LED Panel Options





Power Supply Options

Power Supply	Number of LED panels	LED panel type	Dimming type	Length [A]	Width [B]	Height [C]	Weight
PSU 65-2		LOW		180 mm	63 mm	35.5 mm	0.67 kg
PSU 80-2		MID	-	199 mm	63 mm	35.5 mm	0.76 kg
PSU 115-2		HIGH	- - DALI	219 mm	63 mm	35.5 mm	0.86 kg
PSU 100-3		LOW	DALI	219 mm	63 mm	35.5 mm	0.86 kg
PSU 125-3	3	MID		244 mm	71 mm	37.5 mm	1.11 kg
PSU 170-3	_	HIGH	-	244 mm	71 mm	37.5 mm	1.11 kg



Specifications

System

Mounting height above canopy	> 150 mm	
Number of LED panels per system	2 - 3	
Electrical		
Voltage range	220-240 VAC	
Frequency	50 / 60 Hz	
Power consumption	72-189 W	
Power factor	≥ 0.95	
Dimming	DALI (8-100%)	
Lifetime		
Max ambient temperature	25 °C	
System lifetime	> 50,000 hrs	
Safety & Conformity		
Marking	CE	
Electrical shock protection	Class I	
Ingress protection	IP65	
RoHS compliant	Yes	
REACH complaint	Yes	

LED Panels

LOW

Light output PPF*	106 - 128 µmol/s		
Efficacy*	3.01 - 3.21 µmol/J		
Power consumption	32 W		
Light distribution	120°		
Lifetime LED spots (Q90)	> 50,000 hrs		
IP rating	IP65		
MID			
Light output PPF*	132 - 160 µmol/s		
Efficacy*	3.01 - 3.21 µmol/s/W		
Power consumption	42 W		
Light distribution	120°		
Lifetime LED spots (Q90)	> 50,000 hrs		
IP rating	IP65		
нідн			
Light output PPF*	165 - 200 µmol/s		
Efficacy*	3.01 - 3.21 µmol/s/W		
Power consumption	56 W		
Light distribution	120°		
Lifetime LED spots (Q90)	> 50,000 hrs		
IP rating * See page 2 for specific performance values by spec	IP65		

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Mounting System Options

Product Description	Product Image	Dimensions	Note
Rail system option 1		[L x W x H] 3000 x 665 x 260 mm	Can hold up to 3 LED panels
Rail system option 2		[L x W x H] 1500 x 665 x 260 mm	Can hold up to 2 LED panels
Wire system	D ₁ H	D ₁ = 8 mm d ₁ = 4 mm H = 16 mm	4 pcs. for each LED panel
		L1 = 250 mm L2 = 500 mm L3 = Customizable	4 pcs. for each LED panel
		L1 = 1000 mm L2 = Customizable	4 pcs. for each LED panel
Rail System			
			Wire System

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