PHILIPS

Technical Specifications



Full flexibility for optimal uniformity

Philips GreenPower LED toplighting linear

Philips GreenPower toplighting linear is the product you'll need when light uniformity is key. It offers full flexibility in mounting the lights by using a separate c-profile. The result is optimal vertical light distribution and horizontal uniformity in cases where crop heights are limited or lower light levels are required.



Key benefits

- Optimal uniformity in low height installations
- Cost-efficient solution to maximize rebate opportunities
- Variety of spectra including far red for optimal crop performance
- Flexible installation options with c-profile or trellis mount

Product details

Brand	Philips
Product name	GreenPower LED toplighting linear
Beam angle	> 120°
Lifetime	Q90 > 36,000 hrs

Electrical specifications

Photon flux	500–800 µmol/s
Efficacy	2.8–3.9 µmol/j
Input power	143–253 W
Input voltage	200–400 V
Power factor	> 0.95
Total harmonic distortion	< 15%
Dimming	Regular output: 30%–100% High output: 25%–100%

Environment

Ambient operating temp	0° C Min • 40° C Max 32° F Min • 104° F Max
Thermal management	Passive
Approval marks	UL/CSA
IP rating	IP66

Philips GreenPower LED toplighting linear 2.3

Length	1.26 m • 49.8 in	**Beam angle**	120°	**Ambient operating temp**	0° C Min. • 40° C Max 32° F Min. • 104° F Max
Width	5.5 cm • 2.2 in	**Q90**	> 36,000 hrs		
Height	8.0 cm • 3.2 in	**Warranty**	5 year limited	**Frequency**	50/60 Hz
Weight	3.2 kg • 7.1 lb	**UL/CSA rated**	Damp/wet	**Power factor**	> 0.95
Input voltage	200V – 400V 277V – 400V	**IP rating**	IP66	**Total harmonic distortion**	< 15%

Regular Output Dimmable 200V – 400V

Description	Power (W)	Photon flux (µmol/s)	Efficacy (µmol/J)
GPL TLL 550 DRB_LB 200–400V 2.3 D NA	142	550	3.9
GPL TLL 550 DRB_MB 200–400V 2.3 D NA	145	550	3.8
GPL TLL 550 DRB_HB 200–400V 2.3 D NA	155	550	3.5
GPL TLL 550 DRW_LB 200–400V 2.3 D NA	149	550	3.7
GPL TLL 550 DRW_MB 200–400V 2.3 D NA	153	550	3.6
GPL TLL 550 DRWFR_2 200–400V 2.3 D NA	173	550	3.2
GPL TLL 550 DRW_VSN2 200–400V 2.3 D NA	195	550	2.8

Regular Output dimming levels: 30%–100%

High Output Dimmable 277V – 400V

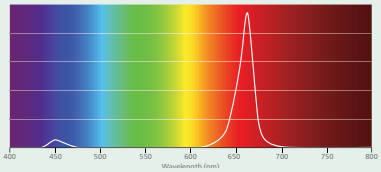
Description	Power (W)	Photon flux (µmol/s)	Efficacy (µmol/J)
GPL TLL 800 DRB_LB 277–400V 2.3 D NA	217	800	3.7
GPL TLL 800 DRW_LB 277–400V 2.3 D NA	230	800	3.5
GPL TLL 800 DRW_MB 277–400V 2.3 D NA	238	800	3.4
GPL TLL 720 DRW_EBW 277–400V 2.3 D NA	234	720	3.1
GPL TLL 700 DRW_VSN2 277–400V 2.3 D NA	253	700	2.8
GPL TLL 800 DRWFR_5 277–400V 2.3D NA	230	800	3.5

High Output dimming levels: 25%–100%

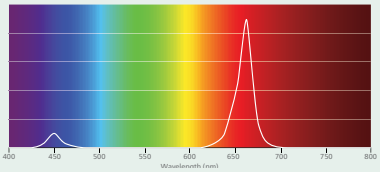
Optimize crop performance with the proper light recipe

Variety of spectra including far red for optimal crop performance

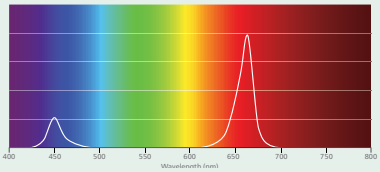
GPL TLL 550 DRB_LB 200–400V 2.3 D NA



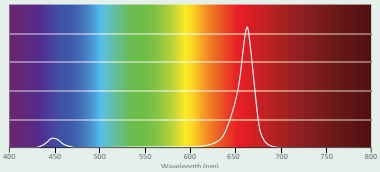
GPL TLL 550 DRB_MB 200–400V 2.3 D NA



GPL TLL 550 DRB_HB 200–400V 2.3 D NA

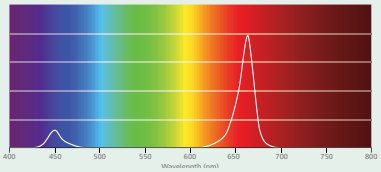


GPL TLL 550 DRW_LB 200–400V 2.3 D NA

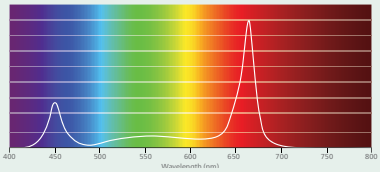




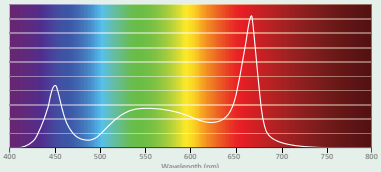
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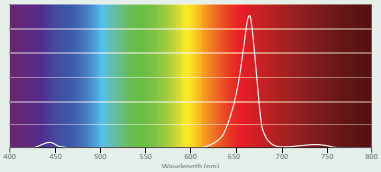
GPL TLL 720 DRW_EBW 277–400V 2.3 D NA



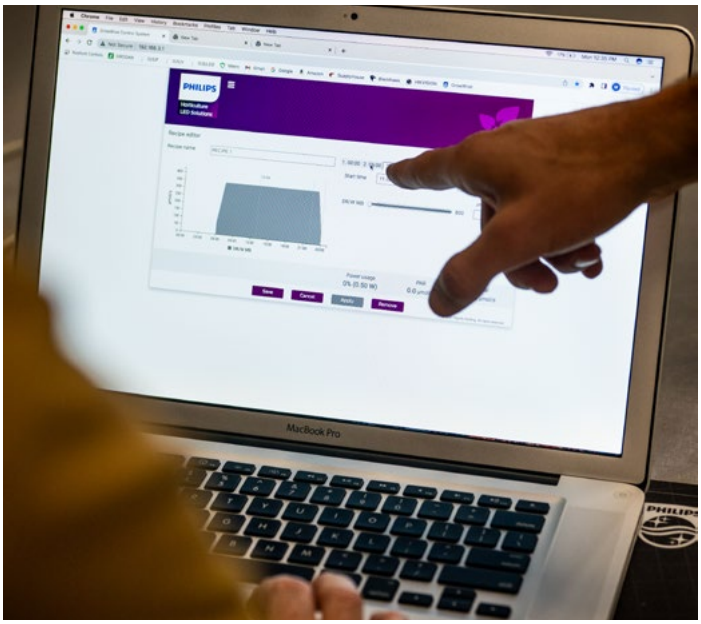
GPL TLL 700 DRW_VSN2 277–400V 2.3 D NA



GPL TLL 800 DRWFR_5 277–400V 2.3 D NA



Unlock lighting intelligence
with Philips GrowWise control system



Philips GrowWise control system offers flexibility and drives efficiency of professional, mid-to-large size grow facilities, both greenhouse and indoor.

- Pair GrowWise system with Philips LED toplighting products and create a custom lighting schedule to deliver the right intensity for the right length of time, and at the right time
- Can be programmed to run distinct schedules for multiple, unique zones or sections in your facility

With Philips LED toplighting, John Bonner, Great Lakes Growers in Burton, Ohio, projected a production increase of approximately 30 percent. This, coupled with improved product quality of his lettuce crop, guided Bonner in his decision to make a complete switch to Philips LED toplighting linear.

Watch the Great Lakes Growers story



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