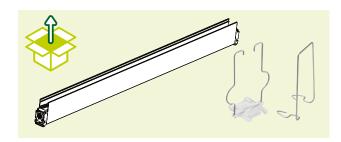


Quick installation guide

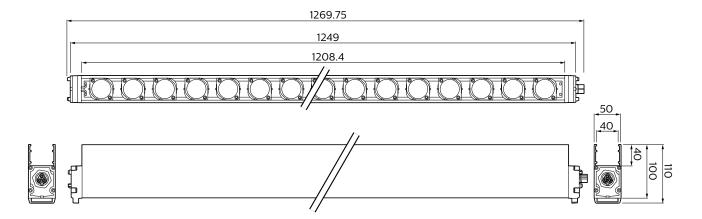


M WARNING

should be done according to appropriate electrical codes.

Dimensions Philips GreenPower LED toplighting - high output (in mm)

Product	Dimensions (i	Dimensions (in mm)			
	Length	Width	Height		
GreenPower LED toplighting - high output module	1269.75	50	110		
GreenPower LED toplighting module mounting bracket (continuous line)	118	85	47.5		
GreenPower LED toplighting module mounting bracket (non-continuous line)	102	55	35.7		

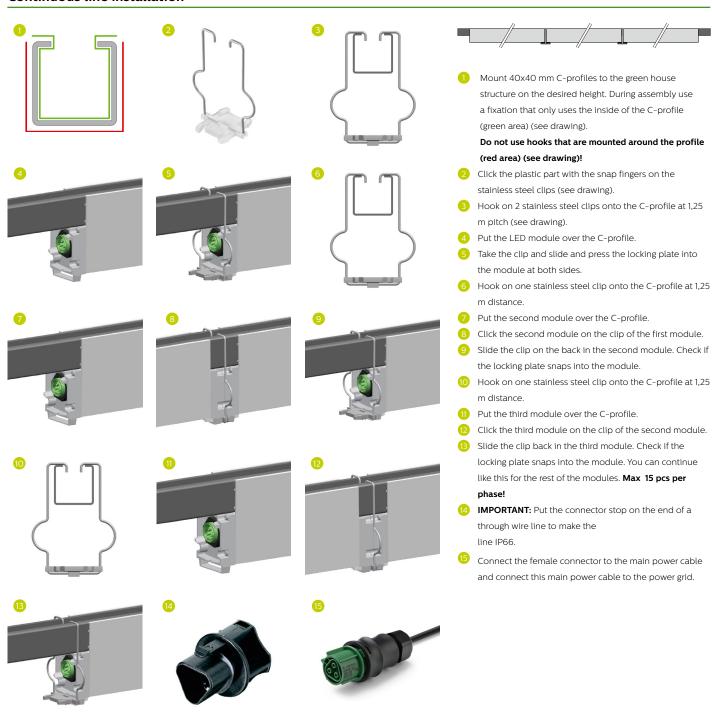


Mounting into the greenhouse

The module can be fixed to the greenhouse structure using the existing technology that is used for greenhouse installations. The GreenPower LED toplighting - high output can be fitted very easily without the need for any tools and has been designed together with installers and growers to deliver optimum results.

The 40x40 mm C-profile is integrated into the module. This way less light will be blocked by the LED modules cabling and suspension structure. Thanks to the head-to-tail inter-connection and the stainless steel clips, it is virtually a plug-and-play module.

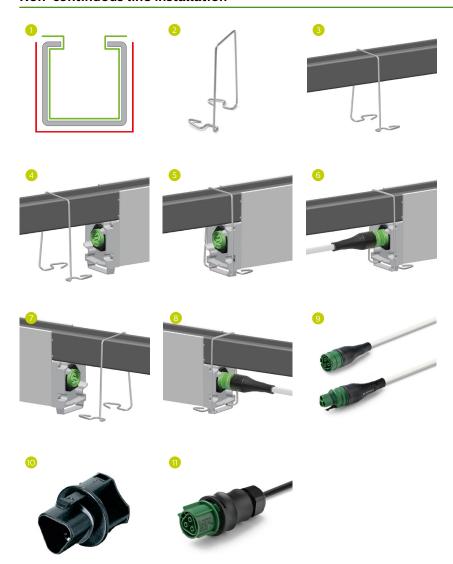
Continuous line installation



Important note:

The maximum amount of GreenPower LED toplighting - high output modules is 15 pcs per phase on a 16 A C-type circuit breaker. Not allowed to use >16 A circuit breakers and increasing the module amounts per phase due to internal wire dimensions and higher current!

Non-continuous line installation





Mount 40x40 mm C-profiles to the green house structure on the desired height. During assembly use a fixation that only uses the inside of the C-profile (green area) (see drawing).

Do not use hooks that are mounted around the profile (red area) (see drawing)!

- Take 1 stainless steel clip.
- Hook on 1 stainless steel clip onto the C-profile at left side (see drawing).
- Put the LED module over the C-profile.
- Take the clip and slide and press the locking plate into the module at left side.
- Take the connection cable and put the plug onto the appropriate socket.
- Hook on 1 stainless steel clip onto the C-profile at the right side of the module (see drawing).
- Take the connection cable and put the plug onto the appropriate socket.
- An example of the connection cable with a female socket and a male socket.
- **IMPORTANT:** Put the connector stop on EVERY last module (or module with no through-wiring), to make the line IP66.
- 11 Connect the female connector to the main power cable and connect this main power cable to the power grid.



⚠ Important note:

The maximum amount of GreenPower LED toplighting - high output modules is 15 pcs per phase on a 16 A C-type circuit breaker. Not allowed to use >16 A circuit breakers and increasing the module amounts per phase due to internal wire dimensions and higher current!



Risk group 2

Photo Biological Hazard (EN 62471)

GreenPower LED toplighting - high output module DR/B is for retinal blue in the riskgroup 2 and for the rest in Risk group EXEMPT.

Ordering data and specifications Philips GreenPower LED toplighting - high output (continuous line)



GreenPower LED toplighting mounting bracket for continuous line installation



GreenPower LED toplighting mounting bracket for non-continuous line installation



GreenPower LED toplighting connection cable for non continuous line installation



GreenPower LED toplighting connector for connection to mains power cable



GreenPower LED toplighting connector stop

Philips GreenPower	Photon	Power	Lifetime *	Ingress	Power	Input	Order code		
LED toplighting - high output module	flux * / **	consumption		protection	factor	voltage			
		(typical) **		rating					
	µmol/s	w	hours		cos φ	VAC	12 NC		
Deep red/blue (DR/B)									
GreenPower LED toplighting mod. DR/B LB 400V	520	190	25,000	IP66	0.95	400	9290 009 88506		
GreenPower LED toplighting mod. DR/B MB 400V	520	195	25,000	IP66	0.95	400	9290 009 88606		
GreenPower LED toplighting mod. DR/B HB 400V	520	200	25,000	IP66	0.95	400	9290 009 88706		
Deep red/white (DR/W)									
GreenPower LED toplighting mod. DR/W LB 400V	520	195	25,000	IP66	0.95	400	9290 009 88806		
GreenPower LED toplighting mod. DR/W MB 400V	520	200	25,000	IP66	0.95	400	9290 009 88906		
GreenPower LED toplighting mod. DR/W Vision 400V	430	190	25,000	IP66	0.95	400	9290 009 89006		
Deep red/white/far red (DR/W/FR)									
GreenPower LED toplighting mod. DR/W/FR_2 MB 400V	410	175	25,000	IP66	0.95	400	9290 009 89106		
Accessories									
GreenPower LED toplighting mounting bracket (continuous line) 1)									
GreenPower LED toplighting mounting bracket (non-continuous line)									
GreenPower LED toplighting jumper cable (1,0 mtr) ²⁾									
GreenPower LED toplighting jumper cable (2,0 mtr) ²⁾									
GreenPower LED toplighting male connector									
GreenPower LED toplighting female connector									
GreenPower LED toplighting end cap ³⁾							9290 009 15606		

 $^{^{\}ast}$ Lifetime and maintenance values are given at an ambient temperature of 25 $^{\circ}\text{C}.$



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Or tweet us: @PhilipsHorti

¹⁾ Stainless steel Ø2.0 mm wire clip including 'locking plate' to fix the modules in an axial direction to prevent the modules working loose as a result of vibrations ²⁾ 3 x 1.5 mm² conductors, 2-sided 'male / female connector

³⁾ To ensure IP66 rating for every single mounted or last module in a continuous line!