

Horticulture LED Solutions

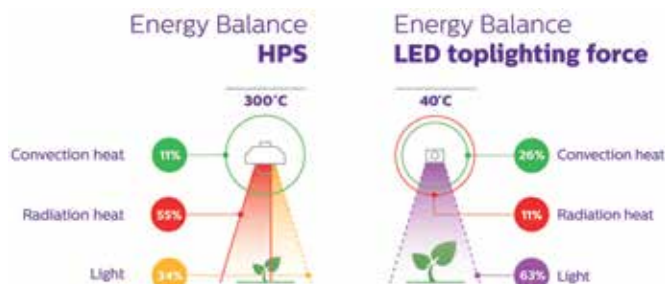
GreenPower LED
toplighting force



Providing maximum light all year round

Cutting down on energy costs used to be a grower's most important goal. Now growers are aware that higher light levels can significantly increase yield—and they require a solution that can provide that. The Philips GreenPower LED toplighting force (TLF), the ultimate LED grow light for light-loving crops. It creates summer conditions all year round, but without the heat dissipation of high-pressure sodium lights (HPS). Utilizing an existing plug power of 1040 W, growers can achieve a maximum light output of 3650 $\mu\text{mol/s}$ at an efficiency up to 3.5 $\mu\text{mol/J}$. This allows for 1-to-1 HPS replacement utilizing the same connection, while almost doubling the light level compared to the newest generation HPS lights. In addition, toplighting force achieves 4.0 $\mu\text{mol/J}$ efficiency when dimmed to 50% of its power and functions with minimal light interception.

The result is a powerful asset with which you will get the most out of today's horticultural market, including optimally predictable growth, better crop quality and higher yield.



Key benefits

- Replace existing 1040 W HPS light utilizing max. plug power
- Maximum light output of 3650 $\mu\text{mol/s}$ and an efficacy of up to 3.5 $\mu\text{mol/J}$
- Two beam shapes ensure desired optimal uniformity or highest efficacy
- Dim to 50% and increase efficiency up to 4.0 $\mu\text{mol/J}$
- Minimal light interception

