

The image features a central blue circular logo with the word "forge" in white lowercase letters and a registered trademark symbol. Surrounding the logo are several square, white, mid-power LEDs with yellow die, arranged on a light gray reflective surface. The LEDs are shown from various angles, highlighting their three-dimensional structure and the bright yellow die.

forge<sup>®</sup>

# Mid-power LEDs

The possibilities are endless with the most efficient,  
cost-effective light source available.



# Mid-power LEDs

## WHAT IS A MID-POWER LED?

Any LED rated at up to 1 watt is classed as mid-power LED. They come in every shape and size imaginable - 2835, 3528, 1608, 3014, 4014, 5060, 5730...you get the idea. In addition to a vast array of package options, every

colour of white you'd ever need is available. Not sold? Forge mid-power LEDs have proven lifetime through LM80 life testing, **customisable** colour, power, leadframes, flux and Vf binning available.

## HAVE YOU DISCOVERED MID-POWER LEDs YET?

Probably - they have been around for ages. That doesn't stop these tiny LEDs from leading the way in efficiency and value.

Thanks to their die-on-leadframe thermal construction and economies

of scale – you can benefit from up to 1000lm/£.

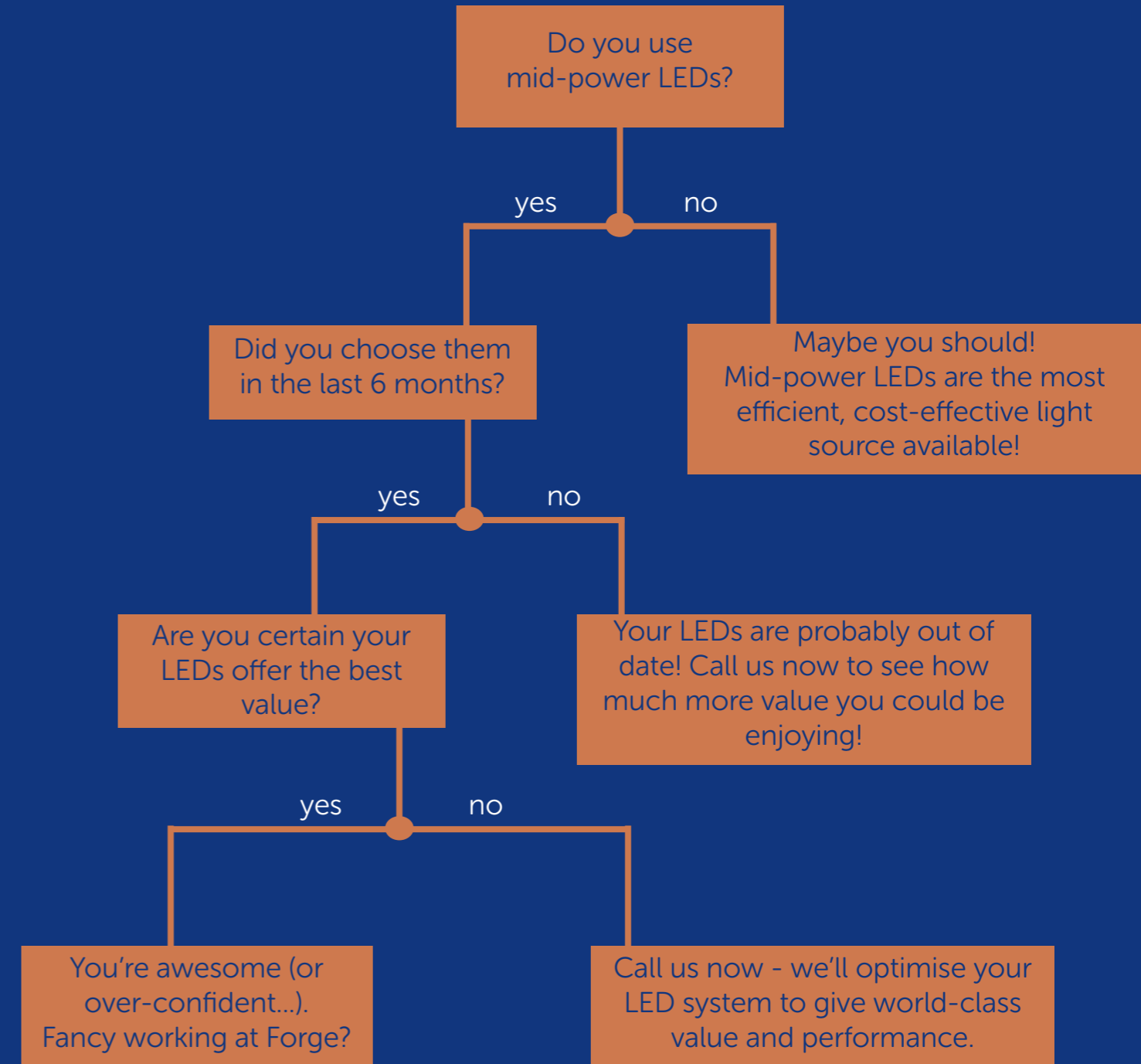


## WHAT'S NEW?

The latest developments in mid-power include;

- LEDs optimised for horticulture applications - greenhouses and vertical farming.
- LEDs developed specifically for human-centric lighting include packages to maximise the melanopic ratio.

- Phosphor-converted amber is also much more efficient with better colour stability than traditional AlInGaP amber - this technology is well established with automotive applications and is ideal for signage.



# The expertise you need

## WHY FORGE?

With our profound technical knowledge and our ability to make all sorts of stuff, we're your ideal manufacturing partner.

## AN INTELLIGENT APPROACH


We quickly understand what you need and deliver just that. With a considered approach we're able to offer help every step of the way – even after you receive your Forge manufactured solution. We're always looking for improvement, keeping us and you ahead of the game.

## A MANUFACTURING PARTNER


We're sustainable, safe and forward-thinking. Our attitude has kept us here since 1993 and continues to drive our business to this day. With Forge as your manufacturing partner, you'll have access to our: -

- profound technical knowledge
- commercial nous
- intelligent approach
- tenacious, innovating people

What more could you need?



product  
innovation



a safe pair  
of hands



technology  
investors

market  
knowledge

Work with us today on your very latest developments and see just how our added-value can add value for you.



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