



50mm LED modules
- adaptable and reliable

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50MM LED MODULES

exceptional
performance

We combine our knowledge, expertise and LED technology with your requirements, to manufacture LED modules just for you - whatever your application.



Retail
Applications



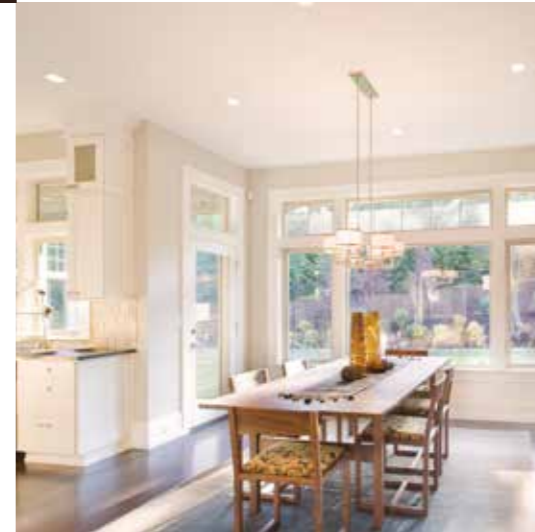
Hospitality
Lighting



Compact and
Efficient



Decorative
Installations



High End and
Interior Lighting

CUSTOM LED MODULES

do it your way

Whilst we've developed a cracking little downlight to suit most needs we know that one size doesn't always fit all. With Forge, you don't need to compromise any longer. We'll work with you and manufacture your very own downlight - just for you.

Custom
Heatsink Colours



Your Own
Branding



Suprisingly Good
Value



Engineered for
Quality and
Performance

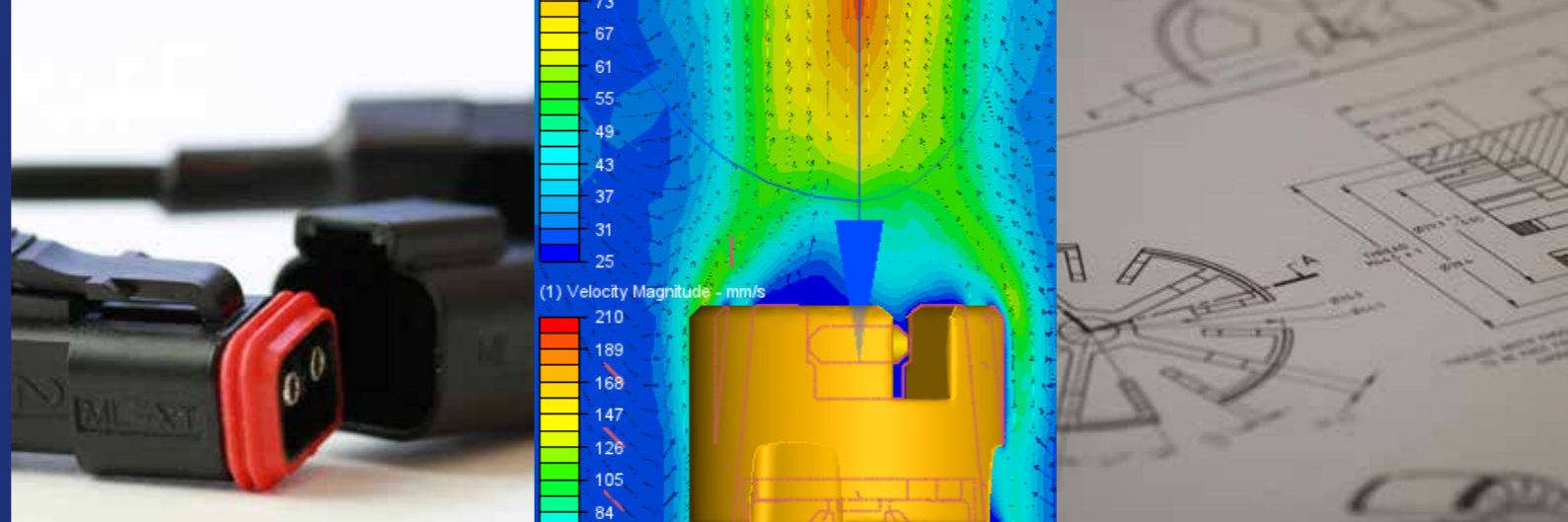


Manufactured in
Volume

CUSTOM LED MODULES

mechanicals

One size doesn't fit all. Whatever your application demands we'll make it work.



- We'll test in your fitting
- We'll test in mock-up ceiling voids
- We'll test for life and longevity



thermals

Designing a heatsink that not only looks good but performs exceptionally with your application all comes down to thermal design. Using the latest Computational Fluid Dynamics (CFD) software we can design the optimal heatsink for you and your application.

- Longer heatsink
- Wire type, length and connectors
- Additional holes to accommodate existing fittings
- Custom heatsink modifications for fitting compatibility



CUSTOM LED MODULES

optics



Can be used as a pendant luminaire under certain circumstances and using additional fixings (not supplied) which meet the required British Standards.

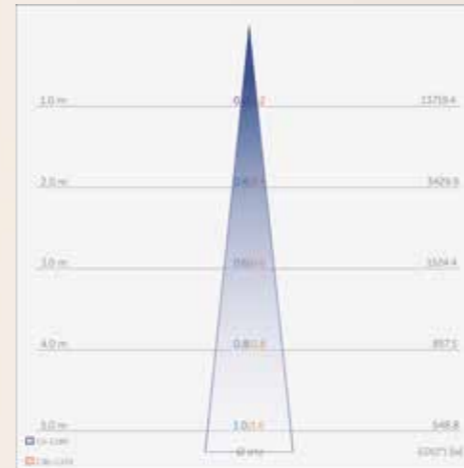
beam pattern

Create a bespoke viewing angle and specific light distribution with a custom optic.

light where you want it

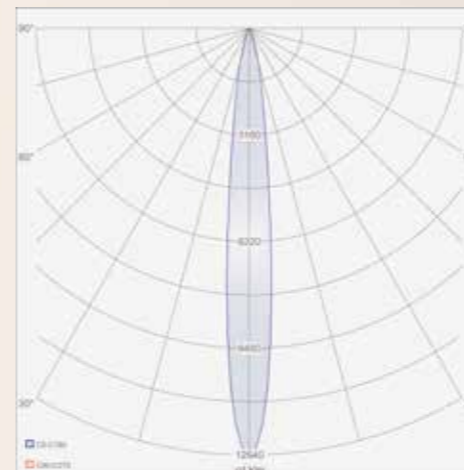
Using the very latest ray trace software, we optimise optic design before manufacturing the final solution. Ultra-narrow or super wide - it is no problem.

Read on about our very latest development, a $<10^\circ$ optic



$<10^\circ$ beam angle

Need to enhance a feature? With a $<10^\circ$ optic you'll get narrow, crisp pools of light perfect for accent lighting.



CUSTOM LED MODULES

colours

Make an impact or endorse your brand. Heatsink, front and rear end caps, can be paint finished in your specified colour.



CCT and CRI

Warm things up or make colours bounce. Thinking about CCT and CRI could make all the difference.

finishing touches

bezels

Decorative bezels, available in; white, silver or brushed metal, add some serious style. With IP20 or IP65 ratings the bezel also gives added protection - should your application need it. Consider a beam shaping bezel that houses a beam shaping reflector to throw the light where you need it most.



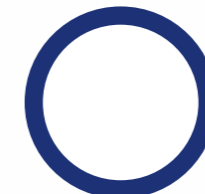
beam shaping bezels



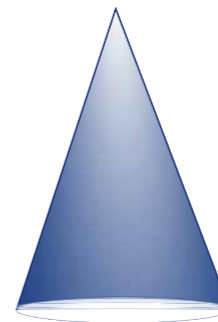
pinhole



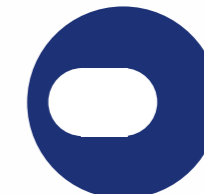
got something that deserves attention? Ideal for directing the light



open reflector



ideal for general illumination when enhancement is a requirement



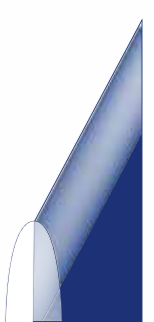
slot aperture



off axis accenting. Ideal for retail applications



wall wash



create some ambience and make a real feature of your lighting

STANDARD LED MODULE - WITH DRIVER

Need some inspiration or help getting started?
Here's some standard product to consider.



280mA

50mm
dia

Call us now to discuss your requirements
+44 (0)1229 580000

Our standard LED module is the perfect, lightweight and compact solution when space is tight.

Supplied as standard in a black painted finish, 50mm long, with a dimmable driver.

Simply choose the colour temperature and viewing angle you desire and we'll manufacture your module, just for you.

Colour temperatures:-

2700K

3000K

4000K

Viewing angles:-

<10°

24°

38°

60°

dimmable

up to
98 CRI

up to
106lm/W

length
50mm

See pages 4-10 for custom options and ideas for your module.

Please refer to product datasheet for complete product specification. E &OE



STANDARD LED MODULE - MODULE ONLY

Already have your own driver? Our standard module comes ready to connect.



up to
350mA

50mm
dia

Call us now to discuss your requirements
+44 (0)1229 580000

Our standard LED module is the perfect, lightweight and compact solution when space is tight.

Supplied as standard in a black painted finish, 50mm long, ready to connect to your own driver.

Simply choose the colour temperature and viewing angle you desire and we'll manufacture your module, just for you.

Colour temperatures:-

2700K

3000K

4000K

Viewing angles:-

<10°

24°

38°

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dimmable

up to
98 CRI

up to
106lm/W

length
50mm

See pages 4-10 for custom options and ideas for your module.





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