

The logo features the word "VEXICA" in a large, bold, italicized sans-serif font. Below it, the word "POWERED" is written in a smaller, all-caps, italicized sans-serif font. The text is centered horizontally and set against a background of dynamic, glowing blue and white light streaks that create a sense of motion and energy.

VEXICA
POWERED

TRUE LED VERSATILITY.

WHAT IS VEXICA?

Vexica is a high tech OEM lighting solution, enabling breakthrough energy efficient technology integration via the use of LEDs. Vexica provide a solid state lighting solution for mainstream lighting applications such as down lighting, spot lighting, and wall wash applications for the commercial, retail, hospitality and general illumination sector. Designed for ease of integration into existing or new product designs, Vexica provides OEMs with a fast track superior LED lighting solution that can be utilised as a real alternative to conventional light sources. Vexica's all in one OEM package addresses general lighting requirements for instant integration for a multitude of applications.

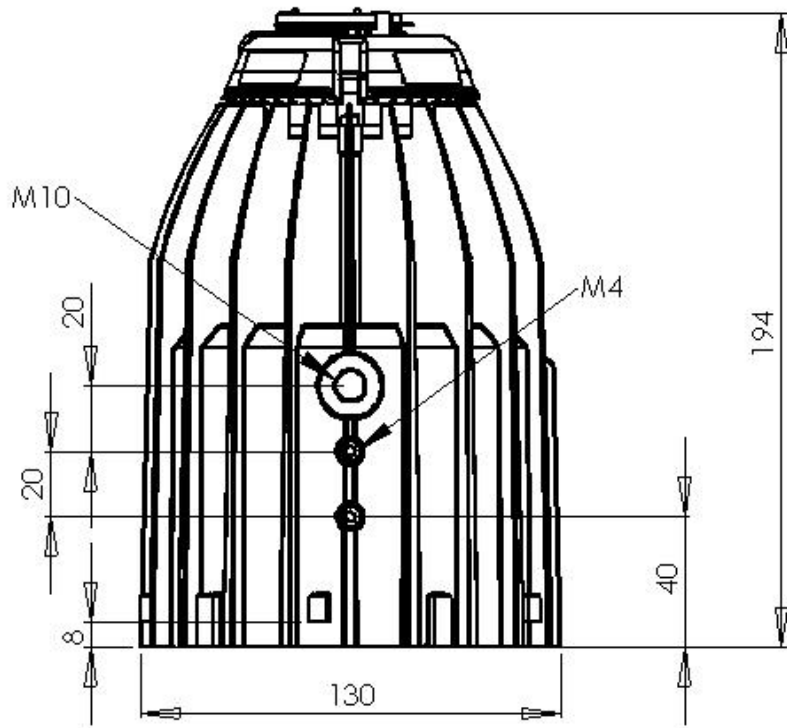


- High CRI levels
- Low glare rating
- High light output
- Colour consistency of light output
- Static white colour options from 3000k to 6000k
- 3 way proprietary cooling methods ensure excellent thermal capability and optimal running temperatures even for the harshest of environments
- Proprietary LED light engines offer designers energy efficient product lines that vary from 12-48 LED watts meeting Part "L" approvals
- IP rated options for outdoor use
- Robust die cast aluminium structure
- Proprietary LED drive technology with integrated TRIAC, DALI, DMX or 0-10v options
- Multiple fixing points for clips and brackets
- Tuneable lighting colour temperatures options
- RGBA, RGBW and OEM custom solutions provide designers with a multitude of programmable lighting options and application uses
- Proprietary reflectors offer excellent options and low glare with various cut off angles, ideal for application uses from down lighting to street lighting
- Utilising our proprietary light engine we offer the following lighting options:
 - 4 channel colour mixing
 - 3000k to 6000k options
 - White light tuneable options
 - Custom options
- IR LED option for security and CCTV cameras

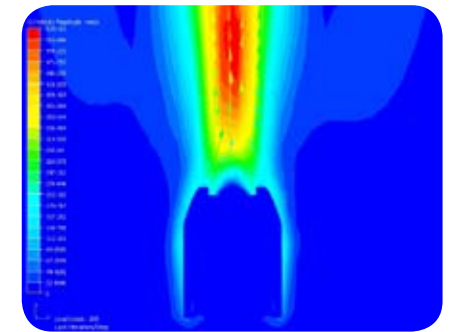
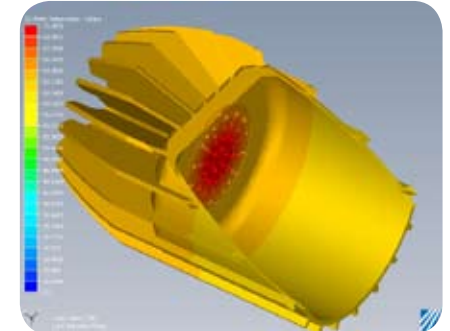
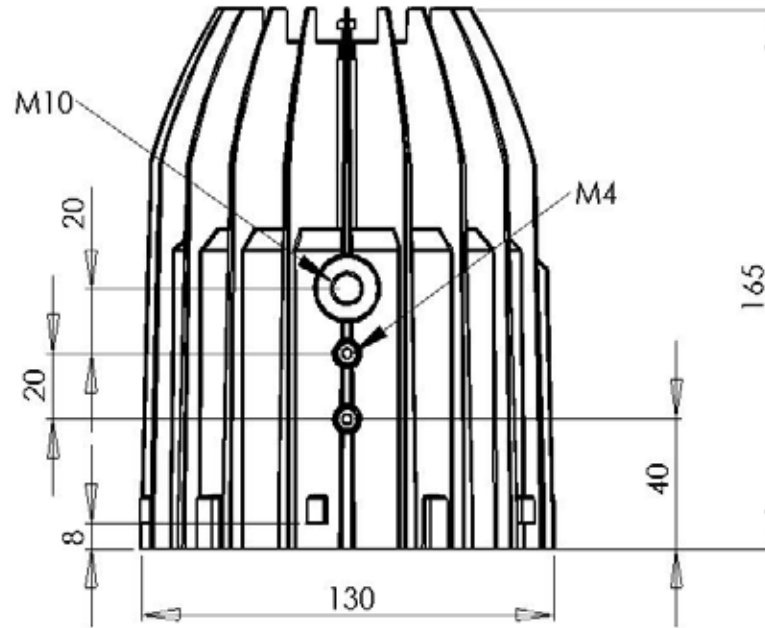
PATENTS PENDING

DIMENSIONS

CAD dimensions are in millimetres

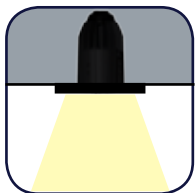


VEXICA VERSION WITHOUT SYNJET COOLER
SYNJET COOLER ONLY REQUIRED FOR HIGH
OUTPUT VERSION



Thermal and airflow simulation ensures Vexica light engines
run at optimal temperatures.
Vexica can provide bespoke thermal simulations for OEMs.

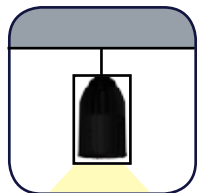
APPLICATION USES



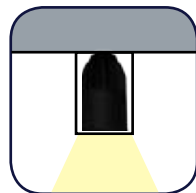
Downlight



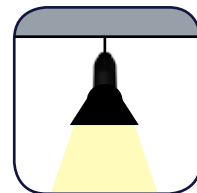
Adjustable Downlight



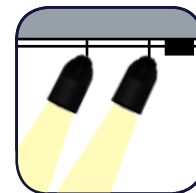
Pendant



Ceiling Mounted



High Bay



Spot



Area Lighting



Architectural



Street Lighting

Vexica's all in one solution offers a flexible approach for OEMs and designers. Vexica is suitable for multiple applications and has been developed with true flexibility in mind. As an engineered light source, Vexica can suit various proprietary or specific LED light engines.

High power LED light sources available are offered in various wattages, colour rendering options, correlated colour temperatures and beam angles. 4 channel options such as RGB+Amber and RGB+White allow designers to utilise Vexica not only for general lighting purposes but for architectural, commercial, retail and entertainment lighting. Proprietary LED optical and reflector technology offers unrivalled CRI levels of more than 90. Unrivalled efficacy levels of more than 3500 lumens (in single colour) is achieved utilising the latest LED and drive technology available, coupled with our proprietary patent pending cooling and optical technologies.

TRIAC, DALI, DMX and 0-10v driver options are available to suit Vexica. LEDs can be driven on all four channel individually and controlled outputs of 350ma, 500ma, 700ma and 1000ma can be configured to suit individual requirements. Proprietary 3 way cooling methods ensure LEDs are cooled optimally for applications.

This allows for an industry first calibrated and configured energy efficient light engine. Vexica's can be operated between 12 and 48 watts of LED power comfortably offering unrivalled lumens per circuit watt levels. So whether you require high lumens per circuit watt or high lumens per Pounds/Dollars/Euros Vexica offer unique LED light engine capabilities with true flexibility in mind.

TECHNICAL DATA

Light Source	Various LED Light Engine Options
CRI	High CRI Level up to 93
LED Watts	12 - 48 Watt Options Part L Compliant
Lumens	Low, Medium & High Options
CCT Single Colours	3000K, 4000K, 5000K
4 Channel Colour Options	RGBW, RGBA or OEM Specific
Control Options	TRIAC Dimming, Dali, DMX512 (4 Channel) or 0-10v via External Vexica Driver
Beam Angle	Options Available
Materials	Die Cast Aluminum
Input Voltage	110v - 240v to External LED Driver

Driver Options

Vexica light engines must be driven by Vexica LED drivers. We offer a range of LED drivers to suit the wattages of the light engine. Standard drivers offer Dali control in single colour. DMX 512 options offer 4 channel control in either RGBA or RGBW configurations. Triac dimming and 0-10v drivers are also available. Please consult Vexica for further OEM options.