

LYNK LABS ISSUED PATENTS

Lynk Labs Products and/or Technology comprise approved and pending patents in the field of in the field of LED lighting for Circuits, Chips, Packages, Assemblies, Drive Methods, Drivers/Power Supplies, Lamps and Lighting Systems and may fall under one or more of the following Patent numbers.

| <u>US Patent Number</u> | <u>Patent Title</u> |
|--------------------------------|---|
| US 7489086 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 8148905 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 8531118 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 9807827 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 8742630 | One Wire Self Referencing Circuits for Providing Power and Data |
| US 8179055 | LED Circuits and Assemblies |
| US 8841855 | LED Circuits and Assemblies |
| US 8177390 | Electric Display Device with Integrated Lighting System |
| US 8648539 | Multi-Voltage and Multi-Brightness LED Lighting Devices and Methods of Using Same |
| US 9750098 | Multi-Voltage and Multi-Brightness LED Lighting Devices and Methods of using Same |
| US 6760380 | Data Transmission Apparatus and Method |
| US 9198237 | LED Lighting System |
| US 9615420 | LED Lighting System |
| US10051703 | LED Lighting System |
| US 9249953 | LED Lamp with Selectable Beam Angle Optic Method and Apparatus |
| US 9247597 | Color Temperature Controlled and Low THD LED Lighting Devices and Systems and Methods of Driving the Same |
| US 9516716 | Color Temperature Controlled and Low THD LED Lighting Devices and Systems and Methods of Driving the Same |
| US 9693405 | Devices and Systems Having AC LED Circuits and Methods of Driving the Same |
| US 10178715 | High Frequency Multi-Voltage and Multi-Brightness LED Lighting Devices and Systems and Methods of Using Same. |
| US 10154551 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10091842 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10271393 | Multi-Voltage and Multi-Brightness LED Lighting Devices and Methods of Using Same |
| US 10334680 | LED Lighting System |
| US 10349479 | Color Temperature Controlled and Low THD LED Lighting Devices and Systems and Methods of Driving Same |
| US 10433382 | Low Flicker AC Driven LED Lighting System, Drive Method and Apparatus |
| US 10492251 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10492260 | LED Lighting System |
| US 10492252 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10499466 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10499465 | High Frequency Multi-Voltage and Multi-Brightness LED Lighting Devices and Systems and Methods of Using Same |
| US 10506674 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10517149 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10537001 | Multi-Voltage and Multi-Brightness LED Lighting Devices and Methods of Using Same |
| US 10555385 | LED Lighting System |
| US 10575376 | AC Light Emitting Diode and AC LED Drive and Apparatus |

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| US 10645783 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10652979 | LED Lighting System |
| US 10687400 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10757783 | Color Temperature Controlled and Low THD LED Lighting Devices and Systems and Methods of Driving Same |
| US 10904967 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10932341 | Multi-Voltage and Multi-Brightness LED Lighting Devices and Methods of Using Same |
| US 10750583 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |
| US 10996298 | AC Light Emitting Diode and AC LED Drive Methods and Apparatus |

Australia Patent Number

AU 2005216335 AC Light Emitting Diode and AC LED Drive Method and Apparatus

China Patent Number

ZL 200580011640.1 AC Light Emitting Diode and AC LED Drive Method and Apparatus
ZL 03804874.4 One Wire Self Referencing Circuits for Providing Power and Data
ZL 201410149586.8 Multi-Voltage and Multi-Brightness LED Lighting Devices and Methods of using Same

Hong Kong Patent Number

HK 1105508 AC Light Emitting Diode and AC LED Drive Method and Apparatus

Europe Patent Number

EPO 1731003 AC Light Emitting Diode and AC LED Drive Method and Apparatus
Germany 1731003 AC Light Emitting Diode and AC LED Drive Method and Apparatus
France 1731003 AC Light Emitting Diode and AC LED Drive Method and Apparatus
United Kingdom 1731003 AC Light Emitting Diode and AC LED Drive Method and Apparatus

Mexico Patent Number

MX 269561 AC Light Emitting Diode and AC LED Drive Method and Apparatus
MX 298488 AC Light Emitting Diode and AC LED Drive Method and Apparatus
MX 298034 LED Circuits and Assemblies

Canada Patent Number

CA 2557465 AC Light Emitting Diode and AC LED Drive Method and Apparatus
CA 2701780 LED Circuits and Assemblies
CA2785721 High Frequency Multi-Voltage and Multi-Brightness LED Lighting Devices and Systems and Methods of Using Same

Malaysia Patent Number

MY 153548A LED Circuits and Assemblies

Taiwan Patent Number

I521972 Computer Display Work Lighting System Method and Apparatus