

LIGHTING APPLICATION GUIDE

A Smarter World Starts With Smarter Lighting

Today, lighting is about more than just illumination. It's about efficiency and adaptability. It's about creating more connected homes and cities. It's about transforming the lighting fixture into a platform for innovation. You have ambitious ideas—and TE Connectivity (TE) offers the connectors, relays, sensors, filters, and passive components you need to light the way to a more connected planet.

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WHY PARTNER WITH TE?

YOUR SINGLE SOURCE

Get your products into production faster: we offer more than half a million part numbers and a full breadth of products for LED lighting. Experience the convenience of a one-stop-shop while minimizing time and hassle. We even offer free product samples, shipped next-day, so you can test and compare our various offerings. There's no longer any need to coordinate within a vast and disconnected supplier base—we have what you need to get your product to market.

DEPENDABLE SUPPORT

TE is a global leader in sensors, connectors, filters, and more. We offer rugged, reliable designs for LED applications, and our products are both easy to install and maintain. We provide worldwide service before and after the sale, so you can rest assured that our engineers will always be there to help with technical problems or design issues that come up.

CUSTOM SOLUTIONS

We have decades of experience collaborating with entrepreneurs and engineers, and we're ready to assist you in delivering what's next in smart lighting. If you're facing a complex design challenge, or you need something we don't currently offer, just ask—our engineers are ready to help.

FREE SAMPLES

Need a test product? We make it easy for engineers and designers to order product samples—at zero cost—with free, next-day shipping. Test product fit and function with the freedom to experiment and try before you buy.



LED STREET LIGHTING

TE's connectivity solutions help reduce the complexity of LED street light architecture, allowing you to quicken your time to market, reduce applied costs, simplify integration, and improve assembly efficiency.

FIXTURE CONNECT SOLUTIONS

TE fixture connect solutions are engineered for improved manufacturability and faster time to market. Our low-profile, easy-install receptacles, terminations and power line filters save time and integrate into new or existing LED fixtures.*

EXPLORE ALL SOLUTIONS AT:
[TE.COM/STREETLIGHT_FIXTURE](https://www.te.com/streetlight_fixture)



LIGHT ENGINE INTERCONNECTS

Our flexible interconnect solutions seamlessly integrate light engines for modern LED streetlights. We offer low-profile interconnects, in surface mount and through-hole board mount configurations as well as panel mount and free hanging wire-to-wire versions, that are designed to enable faster and more efficient connections.

EXPLORE ALL SOLUTIONS AT:
[TE.COM/STREETLIGHT_ENGINE](https://www.te.com/streetlight_engine)

CONTROLS

TE leverages cross-industry engineering experience to enable the rapid adoption of connected LED street lighting controls. Our products reduce time to market, complexity and costs by facilitating compact, manufacturable, field-upgradeable solutions.

EXPLORE ALL SOLUTIONS AT:
[TE.COM/STREETLIGHT_CONTROL](https://www.te.com/streetlight_control)



DRIVER INTERCONNECTS

TE offers a broad selection of user-friendly interconnects designed to reliably connect to your driver. With wire-to-wire or wire-to-board options, our interconnects deliver unmatched design flexibility and ease of use.

EXPLORE ALL SOLUTIONS AT:
[TE.COM/STREETLIGHT_DRIVER](https://www.te.com/streetlight_driver)

INDOOR LIGHTING

Our deep understanding of building lighting system architectures, combined with our global presence and full offering of component solutions, makes us the ideal partner to help bring your indoor LED lighting designs to life.

FIXTURE CONNECT SOLUTIONS

TE's fixture connect solutions are engineered to improve manufacturability, speed time to market and make repairs easy—while at the same time meeting the regulatory standards of various geographical regions. Our low-profile, easy-install connectors, application-friendly field wiring terminations, label solutions and power line filters easily integrate into new or existing LED fixtures.

EXPLORE ALL OF OUR FIXTURE CONNECT SOLUTIONS:

[TE.COM/INDOOR_LIGHTING_FIXTURE](https://www.te.com/indoor_lighting_fixture)

**PUSH GRIP POKE-IN
WIRE CONNECTOR**



**FLEX GRIP
WIRE CONNECTOR**



**IDENTIFICATION
SOLUTIONS**



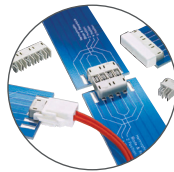
**BUCHANAN WIREMATE
MODULAR/RELEASABLE
SMT POKE-IN
CONNECTORS**



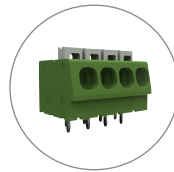
**LUMAWISE
LED HOLDERS**



**HERMAPHRODITIC
BOARD-TO-BOARD**



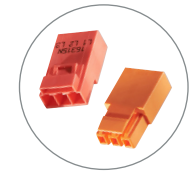
**MODULAR
SCREWLESS SERIES
TERMINAL BLOCKS**



**EUROSTYLE
WIRE-TO-BOARD
TERMINAL BLOCKS**



**LIGHT-N-LOK UL2459
BALLAST/DRIVER
DISCONNECTS**



LIGHT ENGINE INTERCONNECTS

Our flexible interconnect solutions seamlessly integrate light engines used in indoor lighting fixtures. We offer low-profile interconnects in multiple configurations, for both recessed and linear fixtures, engineered to maximize design options while meeting the demands of complex indoor lighting designs.

EXPLORE OUR LED LIGHT ENGINE INTERCONNECT SOLUTIONS:

[TE.COM/INDOOR_LIGHTING_ENGINE](https://www.te.com/indoor_lighting_engine)

DRIVER INTERCONNECTS

TE offers a broad selection of user-friendly interconnects designed to reliably connect the inputs and outputs of your driver. Our wire-to-wire, wire-to-board and cable-to-cable interconnects deliver unmatched design flexibility, time savings and ease of installation.

EXPLORE MORE DRIVER INTERCONNECT SOLUTIONS:

[TE.COM/INDOOR_LIGHTING_DRIVER](https://www.te.com/indoor_lighting_driver)

OUTDOOR LIGHTING

LEDs require less maintenance and handle temperature swings and rapid cycling better than traditional light sources. Our rugged relays, connectors, and products for controls endure the elements while enabling beautiful, efficient lighting.

FIXTURE CONNECT SOLUTIONS

TE fixture solutions are engineered to improve manufacturability, speed time to market and increase manufacturability—while at the same time meeting the regulatory standards of various geographical regions. Our rugged, easy-install connectors, power line filters and label solutions are easy to integrate into new or existing outdoor LED fixtures.

EXPLORE ALL OF OUR FIXTURE CONNECT SOLUTIONS:

[TE.COM/OUTDOOR_LIGHTING_FIXTURE](https://te.com/outdoor_lighting_fixture)



CoolSplice
CONNECTORS



SEALED, UV-STABLE CPC
CABLE-TO-PANEL



IDENTIFICATION
SOLUTIONS



MINI SLIMSEAL
WIRE-TO-BOARD



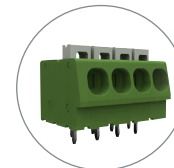
BUCHANAN WIREMATE
MODULAR/RELEASABLE
SMT POKE-IN
CONNECTORS



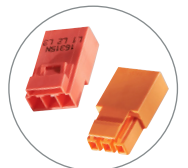
LUMAWISE
LED HOLDERS



MINI SLIMSEAL
WIRE-TO-WIRE



MODULAR SCREWLESS
SERIES TERMINAL
BLOCKS



LIGHT-N-LOK UL2459
BALLAST/DRIVER
DISCONNECTS

LIGHT ENGINE INTERCONNECTS

Our flexible interconnect solutions seamlessly integrate light engines for modern outdoor lighting fixtures. We offer low-profile interconnects, in surface mount and through-hole board mount configurations, designed to enable faster manufacturing and maximize design options while withstanding the harsh conditions of outdoor environments.

EXPLORE OUR LED LIGHT ENGINE INTERCONNECT SOLUTIONS:

[TE.COM/OUTDOOR_LIGHTING_ENGINE](https://te.com/outdoor_lighting_engine)

DRIVER INTERCONNECTS

TE offers a broad selection of user-friendly interconnects designed to reliably connect to the inputs and outputs of your driver. Our wire-to-wire, wire-to-board and cable-to-cable interconnects deliver unmatched design flexibility and ease of use.

EXPLORE MORE DRIVER INTERCONNECT SOLUTIONS:

[TE.COM/OUTDOOR_LIGHTING_DRIVER](https://te.com/outdoor_lighting_driver)

HORTICULTURAL LIGHTING

TE offers robust solutions for fixtures designed for smaller grow applications as well as those for commercial greenhouses that span hundreds of thousands of square feet.

FIXTURE CONNECT SOLUTIONS

TE fixture connect solutions are engineered to improve manufacturability, speed time to market and simplify installation—while at the same time meeting the regulatory standards of various geographical regions. Our low-profile, easy-install connectors integrate into new or existing LED fixtures, while our power line filters help solve those troublesome conducted emissions that can be present in LED fixtures.

EXPLORE ALL OF OUR FIXTURE CONNECT SOLUTIONS:

[TE.COM/OUTDOOR_LIGHTING_FIXTURE](https://www.te.com/outdoor_lighting_fixture)



CoolSplice
CONNECTORS



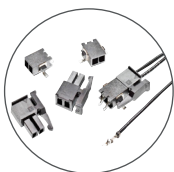
NECTOR S



UV CPC
CABLE-TO-PANEL



Corcom
POWER FILTERS



SIDE LATCH MICRO
MATE-N-LOK
WIRE-TO-BOARD
CONNECTORS



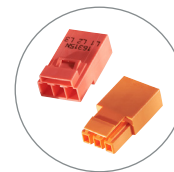
BUCHANAN WIREMATE
MODULAR/RELEASABLE
SMT POKE-IN
CONNECTORS



MINI SLIMSEAL
WIRE-TO-BOARD



MINI SLIMSEAL
WIRE-TO-WIRE



LIGHT-N-LOK UL2459
BALLAST/DRIVER
DISCONNECTS



SEALED, UV-STABLE
CPC CABLE-TO-PANEL

LIGHT ENGINE INTERCONNECTS

Our flexible interconnect solutions seamlessly integrate light engines used in today's modern horticultural lighting fixtures. We offer low-profile interconnects, in surface mount and through-hole board mount configurations, designed to enable faster manufacturing and more reliable connections while withstanding the harsh environments of indoor horticulture.

EXPLORE OUR LED LIGHT ENGINE INTERCONNECT SOLUTIONS:

[TE.COM/OUTDOOR_LIGHTING_ENGINE](https://www.te.com/outdoor_lighting_engine)

DRIVER INTERCONNECTS

TE offers a broad selection of user-friendly interconnects designed to reliably connect the inputs and outputs of your driver. Our wire-to-wire and cable-to-cable interconnects deliver unmatched design flexibility and ease of use.

EXPLORE MORE DRIVER INTERCONNECT SOLUTIONS:

[TE.COM/OUTDOOR_LIGHTING_DRIVER](https://www.te.com/outdoor_lighting_driver)

LED LIGHTING CONTROLS

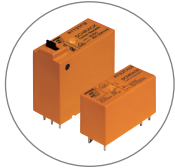
If you're a lighting engineer designing the next generation of LED lighting controls, we invite you to explore our full range of switches, relays, terminal blocks, labels, antennas, and interconnect solutions designed to help you create the future of LED lighting.

INDOOR/OUTDOOR CIRCUIT AND FIXTURE CONTROLS

TE solutions reduce the complexity of circuit and fixture control architecture, allowing you to quicken your time to market, reduce applied costs, increase reliability and improve assembly efficiency. We also offer unrivaled engineering and technical support to help you solve tough design challenges while meeting regulatory standards.

EXPLORE ALL OF OUR FIXTURE CONNECT SOLUTIONS:

[TE.COM/INDOOR_LIGHTING_FIXTURE](https://www.te.com/indoor_lighting_fixture)



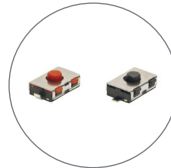
SCHRACK RT1
POWER SERIES
RELAYS



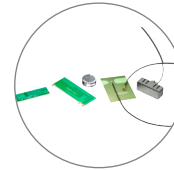
IDENTIFICATION
SOLUTIONS



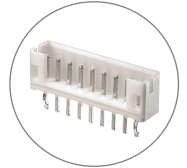
MODULAR
SCREWLESS SERIES
TERMINAL BLOCKS



TACTILE SWITCHES



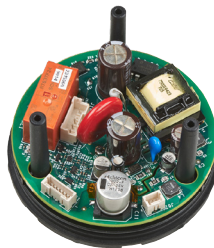
STANDARD AND
CUSTOM ANTENNAS



HIGH PERFORMANCE
INTERCONNECTS



SCHRACK RT1
POWER SERIES
RELAYS



LUMAWISE ENDURANCE S SERIES
ZHAGA BOOK 18 COMPLIANT
BASES & DOMES



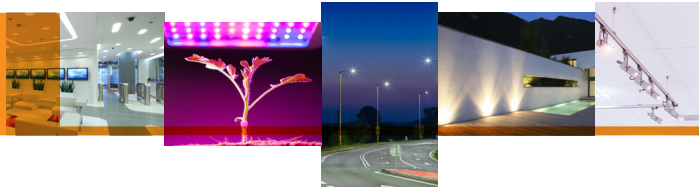
LUMAWISE ENDURANCE N SERIES
ANSI C136.41 BASES & DOMES

STREET LIGHTING CONTROLS

The next generation of smart street lighting is here. Our connectivity solutions reduce the complexity of LED street light architecture, allowing you to quicken your time to market, reduce costs, simplify integration, and improve assembly and maintenance efficiency.

EXPLORE ALL SOLUTIONS AT:

[TE.COM/STREETLIGHT_CONTROL](https://www.te.com/streetlight_control)



FOR MORE INFORMATION:

TE Technical Support Centers

France:	+ 33 380 583 200	Italy:	+ 39 333 2500 915
Germany:	+ 49 896 089 903	Poland and Baltics:	+ 48 224 576 753
UK:	+ 44 8 708 707 500	Czech Republic:	+ 42 0 272 011 105
Spain:	+ 34 916 630 400	Sweden and Norway:	+ 46 850 725 000
Benelux:	+ 32 16 351 731	Middle East:	+ 971 4 2 117 000
Denmark:	+ 45 43 480 424	USA:	+ 1 800 327 6996

Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need.

Visit te.com/support to chat with a Product Information Specialist.

te.com/lighting

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