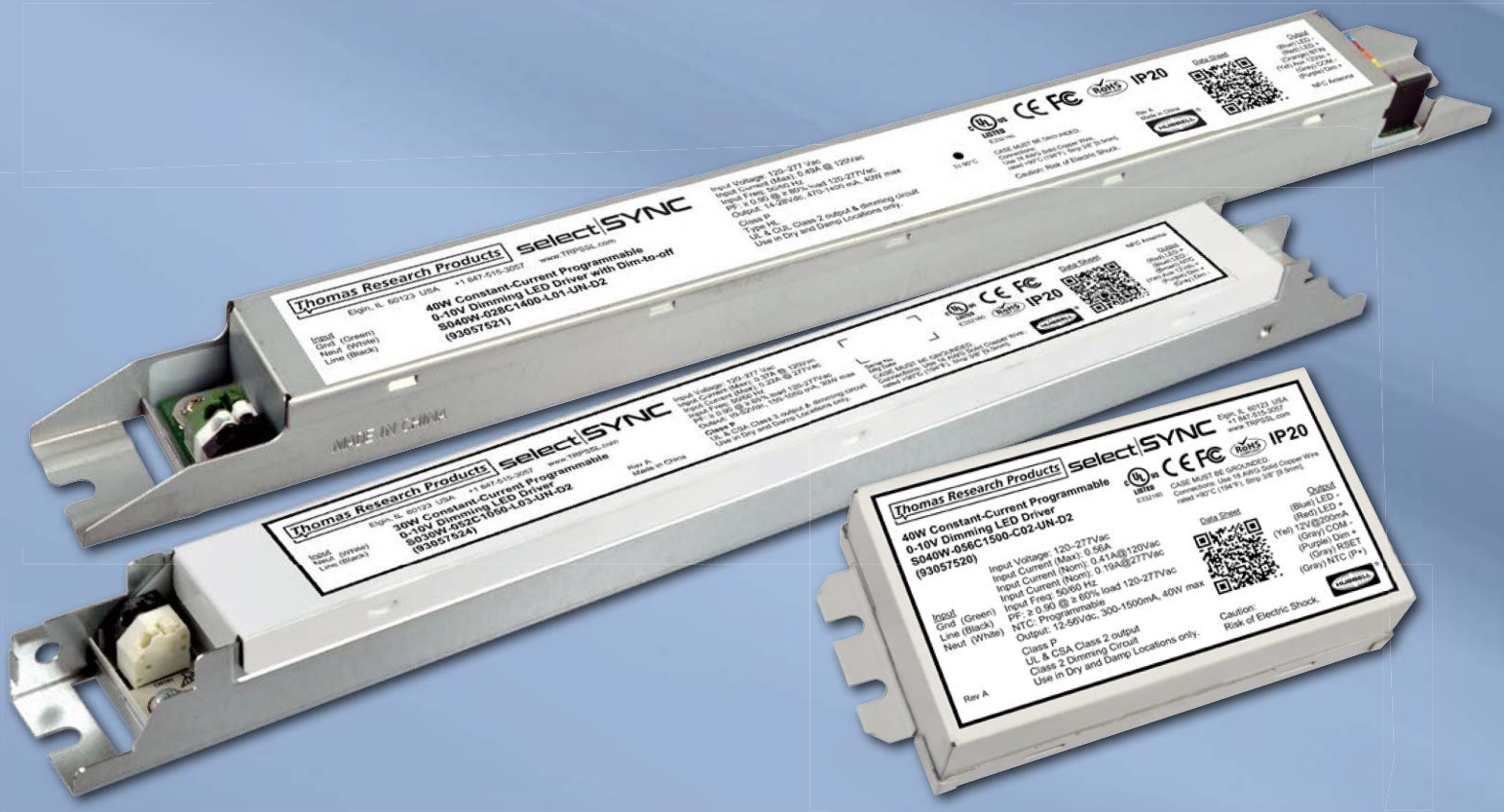
select|SYNC™

PROGRAMMABLE DRIVERS



TO POWER THE INTELLIGENT DEVICE ECOSYSTEM

Thomas Research Products

HUBBELL®

WELCOME TO THE SELECTSYNC™ FAMILY

Welcome to the *SelectSYNC* Family

This entirely new family of programmable LED drivers from Thomas Research Products offers our customers a variety of solutions for powering intelligent lighting devices. Our components take your lighting products to a new level of performance, capability and flexibility.

As the LED lighting industry matures, programmable LED drivers take on a key role in providing value to OEMs. Programming output current is just the beginning. Integration with controls, network standards, simplifying production and safety certification become fundamental requirements.

SelectSYNC drivers were developed to meet the widest range of luminaire needs with a core set of products. The family creates a new platform for future TRP product development that see new features and capabilities offered with backward compatibility. Count on *SelectSYNC* drivers for high quality, long life, high efficiency and competitive cost.

POWERING THE INTELLIGENT DEVICE ECOSYSTEM

Lighting devices are becoming more intelligent and more connected--to building management systems, to the internet, and to smart phones.

Your intelligent luminaires require more powerful components. TRP is here to support you with a whole new level of performance, capability and flexibility. Our new products will increase your speed to market, simplify your manufacturing and power the controls that make your products ***intelligent***.

We provide all key components that you need to go into your luminaire. Our group also provides controls that allow you to offer your customers everything they need for their application. We will help you offer the complete package.

Three levels of control and connectivity let you make intelligent choices for your product line:

Classic

Our standard products

- Fixed-output LED drivers
- LED Light Engines
- Surge Protectors
- Step-down Transformers
- HID restrike Controls

Dynamic

Products that offer more features, capability and flexibility

- LED Drivers
- Stand-alone OEM controls

Intelligent

Products that are controls-ready, contributing to your entry into the Internet of Things.

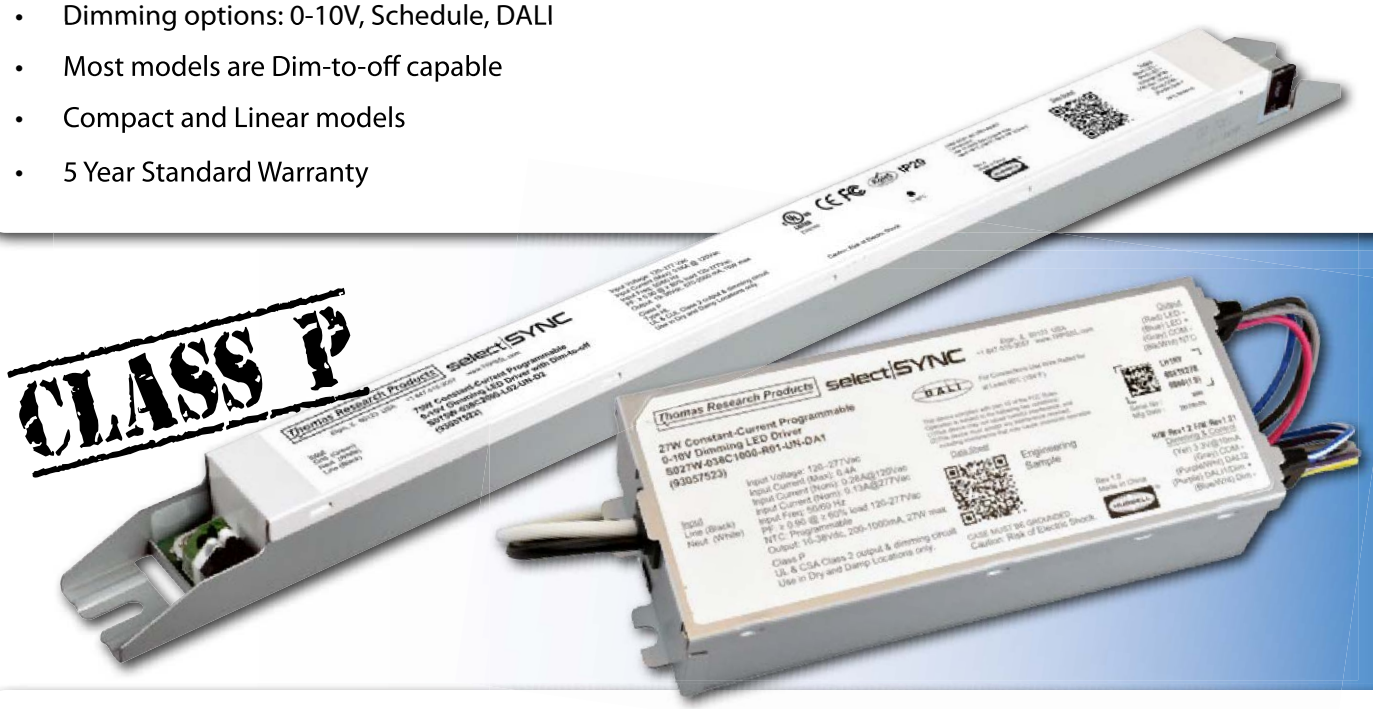
- LED Drivers
- OEM controls for open-standard networks (ZigBee, Daintree, DALI)

THE NEXT LEVEL OF LED DRIVERS

Product Features

The SelectSYNC™ programmable driver family is designed to be feature-rich yet simple to implement by both engineering and production. A variety of form factors and wattages accommodate most OEM needs for indoor and outdoor applications.

- Selectable output currents
- Model-specific parameters include NTC Thermal Foldback, Lumen Maintenance, Standby Mode
- Class P Listed with Class 2 output
- Advanced GUI interface designed for programming in production environments
- Auxiliary output for sensors and controls
- Dimming options: 0-10V, Schedule, DALI
- Most models are Dim-to-off capable
- Compact and Linear models
- 5 Year Standard Warranty



Benefits

SelectSync drivers provide more to OEMs than just constant current power to LED light engines.

- Programmable current drivers simplify component inventories
- Cost-competitive with fixed-output drivers as well as other programmable drivers
- Controls-ready with auxiliary output to power a wide range of sensors and devices
- Class P listing simplifies UL certification and increases your speed to market. Change out drivers in your design without having to recertify.
- Flicker-free output and built-in surge protection enhance your luminaire performance
- Advanced GUI Configurator software provides a better user experience

INTELLIGENT DRIVERS

S025W-056C1300

Compact, 0.95″ x 2.36″ x 4.96″

25W

- Easy cradle programming
- Linear or logarithmic dimming curve options
- Dim to off with 0-10V dimming, down to 1%
- Flicker free output
- Auxiliary output: 12Vdc, 200mA max
- NTC option allows for thermal protection of LED engine
- 2-stage power supply design for better performance
- UL Class P
- Dry & Damp Location Rated
- Option to program output current with Rset resistor

Part	Model	Adj. Current Out *(mA ±5%)*	Voltage Out *(Vdc)*	Max Power *(W)*	Wire Entry
93057517	S025W-056C1300-C01-UN-D2	150-1300	12-56	25	Bottom/Studs
93057518	S025W-056C1300-C02-UN-D2	150-1300	12-56	25	Dual

Factory Default = 700mA

S027W-038C1000

Rectangular, 1.3″ x 2.3″ x 5.8″

27W

- 1-10V dimming, down to 10%
- DALI, diim-to-off mode, down to 1%
- Schedule dimming
- 3.3V Auxiliary Output for Sensors
- Programming doesn't require power to the driver
- Programmable Output Current (POC),
- Lumen Output Compensation (LOC),
- Constant Power Control (CPC),
- Temperature Protection Control (TPC)
- Metal case, fully potted
- UL Class P
- IP66 Rated, Dry & Damp Location Rated

Part	Model	Adj. Current Out *(mA ±5%)*	Voltage Out *(Vdc)*	Max Power *(W)*	Wire Entry
93057523	S027W-038C1000-R01-UN-DA1	200-1000	10-38	27	Ends

Factory Default = 1000mA

S040W-056C1500

Compact, 0.95″ x 2.36″ x 4.96″

40W

- Easy cradle programming
- Linear or logarithmic dimming curve options
- Dim to off with 0-10V dimming, down to 1%
- Flicker free output
- Auxiliary output: 12Vdc, 200mA max
- NTC option allows for thermal protection of LED engine
- 2-stage power supply design for better performance
- UL Class P
- Dry & Damp Location Rated
- Option to program output current with Rset resistor

Part	Model	Adj. Current Out *(mA ±5%)*	Voltage Out *(Vdc)*	Max Power *(W)*	Wire Entry
93057519	S040W-056C1500-C01-UN-D2	300-1500	12-56	40	Bottom/Studs
93057520	S040W-056C1500-C02-UN-D2	300-1500	12-56	40	Dual

Factory Default = 700mA

Class 2: US/Canada

INTELLIGENT DRIVERS

select SYNC intelligent

S030W-052C1050 / S050W-052C1400

Linear, 1.03″ x 1.17″ x 13.19″

30W 50W

- Constant Current, Dimmable
- Dim-to-off mode
- Auxiliary output: 12Vdc, 100mA max
- 0-10V dimming, down to 1% at max output current
- UL Class P
- Dry & Damp Location Rated
- NFC Programming
- Narrow cross-section fits T5-style ballast channels

Part	Model	Adj. Current Out *(mA ±5%)*	Voltage Out *(Vdc)*	Max Power *(W)*	Wire Entry
93057524	S030W-052C1050-L03-UN-D2	150-1050	20-52	30	Ends
93057525	S050W-052C1400-L03-UN-D2	400-1400	20-52	50	Ends

S030W Factory Default = 1050mA, S050W Factory Default = 1400mA

S040W-028C1400

Linear, 1.03″ x 1.22″ x 14.17″

40W

- Constant Current, Dimmable
- Dim-to-off mode
- Flicker-free output
- Auxiliary output: 12Vdc, 200mA max
- 0-10V dimming, down to 1% at max output current
- UL Class P
- Dry & Damp Location Rated
- UL Type HL for hazardous locations
- NFC Programming
- Narrow cross-section fits T5-style ballast channels

Part	Model	Adj. Current Out *(mA ±5%)*	Voltage Out *(Vdc)*	Max Power *(W)*	Wire Entry
93057521	S040W-028C1400-L01-UN-D2	470-1400	14-28.5	40	

Factory Default = 1400mA

S075W-038C2000

Linear, 1.03″ x 1.22″ x 16.9″

75W

- Constant Current, Dimmable
- Dim-to-off mode
- Flicker-free output
- Auxiliary output: 12Vdc, 200mA max
- 0-10V dimming, down to 1% at max output current
- UL Class P
- Dry & Damp Location Rated
- UL Type HL for hazardous locations
- NFC Programming
- Narrow cross-section fits T5-style ballast channels

Part	Model	Adj. Current Out *(mA ±5%)*	Voltage Out *(Vdc)*	Max Power *(W)*	Wire Entry
93057522	S075W-038C2000-L02-UN-D2	670-2000	19-38	75	

Factory Default = 2000mA

Class 2: US/Canada

MORE PROGRAMMABLE DRIVERS

dynamic

LED50WPR2T5

- 50W
- Simple USB cable programming or GUI interface
- Linear dimming curve
- UL Dry & Damp Location Rated
- Type TL
- Dim to 10% with 0-10V dimming
- Metal T5 Style Case
- Linear, 1.02" x 1.18" x 14.17"

Part	Model	Set Current Out (mA ±5%)	Voltage Out (Vdc)	Max Power (W)	Wire Entry
	LED50WPR2T5-050-C1400-D	500-1400	20-50	50	End

Factory Default = 1400mA

LED55WPG1

- 55W
- GUI software programming
- Linear or logarithmic dimming curve options
- Dim to zero with 0-10V dimming
- Flicker free output for comfort and critical applications
- Auxiliary 12Vdc, 200mA output for powering controls
- NTC option allows for thermal protection of LED engine
- 2-stage power supply design for better performance
- UL Dry & Damp Location Rated
- Type TL
- Option to program output current with Rset resistor
- Compact, 1.10" x 3.08" x 4.24"

Part	Model	Set Current Out (mA ±5%)	Voltage Out (Vdc)	Max Power (W)	Wire Entry
	LED55WPG1-055-C1500-D2	100-1500	12-55	55	End

Factory Default = 1000mA

LED55WPR1T5

- 55W
- Built-in step-dimming feature (100%/40% output current)
- Linear dimming curve
- Dim to zero with 0-10V dimming
- NTC option allows for thermal protection of LED engine
- Flicker free output for comfort and critical applications
- 2-stage power supply design for better performance
- UL Dry & Damp Location Rated
- Type TL
- Simple programming with Rset resistor
- Linear, 1.02" x 1.18" x 14.17"

Part	Model	Set Current Out (mA ±5%)	Voltage Out (Vdc)	Max Power (W)	Wire Entry
	LED55WPR1T5-055-C1500-D5	100-1500	12-55	55	End

Factory Default = 1500mA

classic

LED39WPR

- 39W
- Dim to 10% with 0-10V dimming
- UL Dry & Damp Location Rated
- Type TL
- Rset programming
- Metal case
- Compact, 1.17" x 3.07" x 4.25"

Part	Model	Set Current Out (mA ±5%)	Voltage Out (Vdc)	Max Power (W)	Wire Entry
	LED39WPR-056-C0700-BD	190-700	20-56	39.2	Bottom

Factory Default = 700mA

Class 2: US/Canada

The Software Difference

A key benefit of the SelectSYNC™ family is a better experience while programming drivers for management, engineering and manufacturing. Our Universal Configurator software has an advanced GUI interface designed for simplicity and flexibility. The Configurator Module powers wired, USB and NFC programming for different models. For compact drivers without NFC capabilities, our Programming Cradle simplifies handling. The *SelectSYNC* software difference makes it easy to program drivers on a production line with minimal training.

Our software and hardware module will be forward compatible to provide the same ease of use for new *SelectSYNC* models as they are added to the product line. Download the software from the TRP website.

- Configurator software programs Intelligent and Dynamic level LED drivers
- Multiple access levels provide simple management along with ease of use in a variety of production environments
- Software shows model-specific controllable settings—you don't see what you don't need
- Wizard-style simplicity
- Immediate visual feedback to the operator
- Auto-detect the specific driver being programmed
- Configurable batch mode for production with job logs

selectSYNC™

UNIVERSAL CONFIGURATOR HARDWARE

Configurator Module

Programming Cradle

NFC **NFC Wand**

selectSYNC™

INNOVATION IN ILLUMINATION

Product Lines:

SelectSYNC™ LED Drivers
- Intelligent Programmable Drivers
- Dynamic Programmable Drivers
- Classic Fixed Output Drivers

Lighting Controls
- Intelligent Wireless Lighting Controls
- Dynamic Stand-Alone Lighting Controls
- Classic Energy-saving Controls
- Classic Lighting Step-down Transformers
- Classic HID Quartz Restrike Controllers

Surge Protectors
- Classic Surge Protectors
- Classic Low Profile Surge Protectors

Light Engines
- Classic LED Light Engines
- Custom LED Light Engines

A Name You Can Trust

Thomas Research Products provides complete component solutions for OEMs utilizing LEDs. Products include high-performing LED drivers, LED light engines, surge protectors and lighting controls. The company also offers Norlux brand custom design, testing and manufacturing services.

Founded in 1997, Thomas Research Products is a division of Hubbell Lighting, one of the largest lighting manufacturers in North America. Hubbell Lighting brands offer products for commercial, industrial and residential markets. The company's history of innovation extends back to 1886 and Harvey Hubbell's invention of the very first lighting control device—the pull chain switch.

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