

Xitanium SR LED drivers

Benefits of Xitanium SR for OEMs

- Streamlined design: no need for auxiliary component costs and management of excessive parts and pieces, simple 2-wire connection to the sensor
- Drop-in design, Xitanium footprint: faster time to get your products to market
- Wireless luminaire-based data collection: gather valuable sensing data, send it directly to the cloud or network of your choice
- UL listed, CSA and RoHS compliant: minimize the time and cost of approbations
- Low standby power
- DC power to sensors: eliminates the need for redundant auxiliary components
- SimpleSet wireless programming technology: quickly and wirelessly program the driver at any time without cumbersome wires or time-consuming manual methods

Uncomplicated and amenable to your choice of sensor or network

In today's digital age, people can gather real-time data and use it to make highly informed decisions in areas from personal finance to time management and much more. However, this method of detailed insight is not relegated to personal use. In fact, it's now possible to wirelessly harvest specific, real-time lighting information in commercial spaces.

Philips Advance Xitanium SR* LED drivers streamline wireless connected lighting. They reduce overall costs by standardizing the digital connection between the driver and sensor, bundling important functionality into the driver and eliminating the need for auxiliary components. Xitanium SR drivers enable power reporting and dim-to-off functionality at each fixture.

This streamlined approach and easy design-in means that OEMs can spend less time and money to bring products to market. And for your customers, Xitanium SR LED drivers enhance energy efficiency by monitoring real-time system data and making this information available at any time to the network. It also manages sensors and commands related to occupancy, daylight harvesting and dim/on/off at each luminaire. Together with Philips, it's never been easier to create robust, cutting-edge wireless lighting solutions.

Simplicity for everyone

Using our Xitanium SR LED drivers, digital system data is collected at each luminaire and then routed wirelessly through your customers' preferred networks. This means that very specific and actionable data can be used to make informed business decisions and optimize resource distribution within workspaces. Visit www.philips.com/xitaniumsr/na for more information.

Simplified luminaire design



Separate components add unnecessary complexity to luminaires (top), while Xitanium SR LED drivers integrate many of the components (bottom) for a streamlined luminaire design.

Visit www.philips.com/xitaniumsr/na or call your local Philips sales representative for more information.

* SR is Sensor Ready.

Catalog number explanation

Prior to January 2011

| LED | INT | A | C035 | V | 425 | DN | M |
|--------------------------------------|-----|---|------|---|-----|----|---|
| | | | | | | | Packaging: M=Midpack |
| | | | | | | | Fixed or Dimming: FO=Fixed DO=Dimming (0-10V) Isolated DN=Dimming (0-10V) NON-Isolated |
| | | | | | | | DL=Dimming (0-10V) NON-Isolated in F-can F3=Tritap FL=Fixed in F-can |
| | | | | | | | Max Voltage or Max Current: 210=210V 24=24V 30=3.0A 425=425V 07=0.7A 32=3.2A 140=140V 21=2.1A 41=4.1A 280=280V 14=1.4A 24=24V 80=80V 20=2.0A 60=60V 33=3.3A 22=2.2A 80=80V 28=2.8A 36=36V 18=1.8A 10=1.0A 50=5.0A |
| | | | | | | | Constant Current or Constant Voltage: C= Constant Current V= Constant Voltage |
| | | | | | | | Max Current or Max Voltage: 0350=350mA 1050=1.05A 0036=36V 0400=400mA 2000=2.0A 0520=520mA 0530=530mA 0024=24V 1000=1.0A 0700=700mA 0012=12V 1600=1.6A |
| | | | | | | | Input Voltage: A=AC Voltage D=DC Voltage |
| | | | | | | | Input Voltage: INT=120 - 277V UNI=120 - 240V 120=120V HCN=347-480V 277=277V |
| General: LED= Xitanium LED Driver | | | | | | | |

Xitanium outdoor LED drivers

Benefits

- Standard drive currents 350, 530, 700, 1050 and 1500mA
- UL Class 1 or Class 2
- Input voltage range of 120-277V
- Surge protection
- High efficiency for maximum payback
- High reliability for low maintenance costs

Applications

- Area
- Roadway
- Parking garage
- Gas station canopy
- Wallpacks
- Floodlights

Philips Advance Xitanium LED drivers for outdoor applications are available in three types:

Fixed output

Fixed output LED drivers set the standard for reliability and performance needed for outdoor lighting.

Dimmable

These 0-10V dimming drivers help address the growing demand for controllability and flexibility, allowing the lighting system to be used with various controls to maximize energy savings. Philips SimpleSet technology enables easy, basic programming of current levels and dimming curves, allowing a few SKUs to cover a wide range of applications.

Programmable

Programmable LED drivers provide a feature set managed through a programmable interface. This allows the OEM to create a fixture portfolio to meet specific needs for a wide range of applications, using a minimum number SKUs to reduce complexity and simplify logistics.

SR

Xitanium SR LED drivers share the same footprint as the dimmable drivers for simple, hassle-free integration into luminaires. These versatile drivers provide power metering and DC power to the sensor over the DALI 2.0 open standard digital interface.

Philips Advance Xitanium LED drivers for outdoor applications are available in wattages up to 300W for hard-wired integration into outdoor luminaires for rugged applications. They operate to specification under wide temperature and electrical ranges to help ensure reliability. Visit www.philips.com/leddrivers for more information.



Dimmable (continued)

| Catalog Number | Max Output Power (W) | Output Current (A _{dc}) | Output Voltage (V _{dc}) | UL/CSA Class 2 | Input Voltage (V _{ac}) | Dimming | Additional Features | Max T _{case} for Warranty (°C) | Max T _{case} for UL (°C) | Housing | Wiring |
|--------------------------|----------------------|-----------------------------------|-----------------------------------|----------------|----------------------------------|--------------|--|---|-----------------------------------|--------------|-----------|
| LEDHCNA0024V41DLO | 100 | 4.10 | 15 - 24 | Yes | 347 - 480 | 0-10V | | 75 | 85 | F-Can Bump | 32 |
| LEDINTA0350C425DO | 150 | 0.35 | 120 - 425 | No | 120 - 277 | 0-10V | 6kV Surge | 80 | 80 | F-Can Bump | 2 |
| LEDHCNA0350C425DN | 150 | 0.35 | 120 - 425 | No | 347 - 480 | 0-10V | 6kV Surge | 80 | 80 | F-Can Bump | 32 |
| LEDINTA0530C280DO | 150 | 0.53 | 120 - 280 | No | 120 - 277 | 0-10V | 6kV Surge | 80 | 80 | F-Can Bump | 2 |
| XH150C053V280CNF1 | 150 | 0.53 | 120 - 280 | No | 347 - 480 | 0-10V | 6kV Surge | 80 | 80 | F-Can Gen 2 | 32 |
| LEDINTA0700C210DO | 150 | 0.70 | 60 - 210 | No | 120 - 277 | 0-10V | | 80 | 80 | F-Can Bump | 2 |
| XH150C070V210CNF1 | 150 | 0.70 | 60 - 210 | No | 347 - 480 | 0-10V | 6kV Surge | 80 | 80 | F-Can Gen 2 | 32 |
| XI150C105V140CNF1 | 150 | 1.05 | 44 - 140 | No | 120 - 277 | 0-10V | 6kV Surge | 80 | 80 | F-Can Gen 2 | 2 |
| XH150C105V140CNF1 | 150 | 1.05 | 47 - 142 | No | 347 - 480 | 0-10V | 6kV Surge | 80 | 80 | F-Can Gen 2 | 32 |
| XI150C150V100CNF1 | 150 | 1.50 | 30 - 100 | No | 120 - 277 | 0-10V | 6kV Surge | 80 | 80 | F-Can Gen 2 | 2 |
| XI180C090V285BSF1 | 180 | 0.1 - 0.90 | 100 - 285 | No | 120 - 277 | 0-10V | 0-10V, AOC (SimpleSet), 6kV Surge, Class P | 85 | 90 | F-Can Gen 2 | 25 |
| XH180C090V285BSF1 | 180 | 0.1 - 0.90 | 100 - 285 | No | 347 - 480 | 0-10V | 0-10V, AOC (SimpleSet), 6kV Surge, Class P | 85 | 90 | F-Can Gen 2 | 33 |
| XI180C125V200BSF1 | 180 | 0.1 - 1.25 | 70 - 210 | No | 120 - 277 | 0-10V | 0-10V, AOC (SimpleSet), 6kV Surge, Class P | 85 | 90 | F-Can Gen 2 | 25 |
| XH180C125V200BSF1 | 180 | 0.1 - 1.25 | 70 - 210 | No | 347 - 480 | 0-10V | 0-10V, AOC (SimpleSet), 6kV Surge, Class P | 85 | 90 | F-Can Gen 2 | 33 |
| XI180C180V144BSF1 | 180 | 0.1 - 1.80 | 50 - 144 | No | 120 - 277 | 0-10V | 0-10V, AOC (SimpleSet), 6kV Surge, Class P | 85 | 90 | F-Can Gen 2 | 25 |
| XH180C180V144BSF1 | 180 | 0.1 - 1.80 | 50 - 144 | No | 347 - 480 | 0-10V | 0-10V, AOC (SimpleSet), 6kV Surge, Class P | 85 | 90 | F-Can Gen 2 | 33 |
| XI300C150V300BSR1 | 300 | 0.10 - 1.50 | 100 - 300 | No | 120 - 277 | 0-10V | AOC (SimpleSet) | 85 | 85 | R-Can | 25 |
| XH300C150V300BSR1 | 300 | 0.10 - 1.50 | 100 - 300 | Class P | 347-480 | 0-10V | AOC (SimpleSet), 6kV Surge | 85 | 85 | R-Can | 37 |

AOC: Adjustable Output Current
MTP: Module Temperature Protection