

System Solution	LED Driver	SPD	LED Modules	Connectivity System	Key Features	Applications
Flood & Area Lighting	IT 0-10 N E	SPD P7 FL / PU- 10Kx05K BGA	Non-isolated PL BRICK LED modules	3rd party ANSI NEMA (optional)	- High-efficiency non-isolated driver concept - Optimized for flood and area lighting - Suitable for parking, industrial and wall-pack luminaires - Interfaces for sensors and DIP-switch configuration - Matched SPD and driver enhance surge and overvoltage protection	- Floodlighting for parking areas and industrial sites - Wall-pack and area luminaires - Retrofit and new installations - Applications requiring efficiency, robustness and easy setup
Basic Streetlight / Floodlight	OPTOTRONIC – 1DIM NFC IP20 G3	SPD G3	PL BRICK HP / HE / UHE	–	- IP20 driver for integration inside luminaires - Optimized for luminaires with housing protection $\geq$ IP54 - NFC parameter setting for current and dimming profiles - Matched LED driver and SPD improve system robustness - Protection against surges, overvoltage and LED-side ESD - Cost-optimized solution for controlled luminaire environments - Extended system guarantee using Inventronics components	- Basic street lighting - Stand-alone floodlighting - Cost-optimized luminaires with defined IP housing - Applications without connectivity or sensors
Streetlight / Floodlight	ICUTRONIC – DIM (0–10V) IP67	SPD P7 FL / PU-10Kx05K BGA	PL BRICK HP / HE / UHE / IP	3rd party ANSI NEMA (optional)	- IP67 protection against water and humidity - Suitable for retrofit projects with unknown or limited luminaire IP 0–10V simple dimming control of light points - Compatible with basic daylight or light sensors - Optional ANSI NEMA for basic remote control - Matched SPD and driver enhance surge and overvoltage robustness - Protection of PL BRICK LED modules and extended system guarantee	- Street and area lighting - Floodlighting - Retrofit installations - Simple controlled lighting - Applications requiring high robustness against humidity
Intelligent Streetlight / Floodlight	OPTOTRONIC – 4DIM NFC IP20 G3	SPD G3	PL BRICK HP / HE / UHE	3rd party ANSI NEMA (optional)	- IP20 driver for integration inside protected luminaires - Optimized for cost-efficient luminaire designs - Multiple dimming profiles and NFC configuration - Matched SPD ensures surge and overvoltage protection - Extended system guarantee when using Inventronics ecosystem - DALI control port to enable easy reprogramming in the field, integration in DALI networks, or connection to control systems based on ANSI NEMA	- Intelligent street lighting - Area lighting with predefined dimming - Applications with luminaire housing $\geq$ IP54
Intelligent Streetlight / Floodlight	EUM-Ex – DALI (3-Timer) NFC IP67	SPD P7 FL / PU-10Kx05K BGA	PL BRICK HP / HE / UHE / IP	3rd party ANSI NEMA (optional)	- IP67 driver protected against water and humidity - Suitable for retrofit or harsh outdoor environments - DALI used as service line or connected-ready interface - Remote control and monitoring via 3rd-party systems - Matched SPD and driver increase lightning and surge robustness - Protection of LED modules against overvoltage and ESD - Extended system guarantee using Inventronics components	- Intelligent street and flood lighting - Retrofit projects - Installations with demanding environmental conditions
Connected Intelligent Streetlight (D4i)	OPTOTRONIC DEXAL G2 D4i / ICUTRONIC DEXAL G2 D4i	SPD G3	PL BRICK family	3rd-party D4i systems / Inventronics Ready2Go	- IP20 driver optimized for integration in protected luminaires - Cost-optimized design for luminaires with IP housing $\geq$ IP54 - Solution 1 – 3rd-party Smart City platform - Full D4i data access including luminaire and energy information - Solution 2 – Inventronics Ready2Go with local mesh - Presence-based adaptive lighting and easy commissioning - Matched SPD G2 and PL BRICK LED modules for surge and ESD protection - Extended system guarantee using Inventronics system components	- Smart city new installations - Residential streets and urban areas - Optimized luminaires balancing cost and functionality - Projects combining connectivity and local adaptive lighting

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Connected Intelligent Streetlight (D4i)	EUM-Bx – D4i (3-Timer) NFC IP67	SPD P7 FL / PU-10Kx05K BGA	PL BRICK HP / HE / UHE / IP	3rd-party D4i systems / Inventronics Ready2Go	• IP67 protection suitable for outdoor and retrofit installations • Solution 1 – 3rd-party Smart City platform • Remote control and monitoring with D4i data access • Power and energy metering for smart city operation • Solution 2 – Inventronics Ready2Go • Local mesh connectivity and presence-based adaptive lighting • Matched SPD, driver and LED modules for high system robustness • Extended system guarantee with Inventronics ecosystem	• Smart city street lighting • Large-scale connected infrastructures • Retrofit and new installations • Adaptive lighting systems enhancing safety and efficiency
Connected Intelligent Streetlight – Tunable White (D4i)	OPTOTRONIC DEXAL TW D4i	SPD G3	PL BRICK Tunable White	3rd-party D4i systems / Ready2Go	• IP20 Tunable White driver for integration in protected luminaires • Two-channel D4i control of CCT and flux • Solution 1 – 3rd-party Smart City platform • Remote control and monitoring including CCT data • Solution 2 – Inventronics Ready2Go • Local mesh connectivity and presence-based CCT adaptation • Optimized visual comfort, safety and energy efficiency • Matched driver, SPD and LED modules for robust system design • Extended system guarantee using Inventronics ecosystem	• Human-centric street lighting • Urban environments and pedestrian areas • Residential streets, parks and public spaces • Projects combining Tunable White and adaptive lighting
Connected Intelligent Streetlight (CAT-1)	EUM-LV (3-Timer) NFC IP67	SPD P7 FL / PU-10Kx05K BGA	PL BRICK HP / HE / UHE / IP	CAT-1 Cellular	• CAT-1 cellular connectivity solution for connected street lighting • Remote control and remote monitoring via 3rd-party smart city platforms • Access to luminaire status, alarms and operational data (platform-dependent) • Suitable for different operator networks where CAT-1 is available • Matched LED driver and SPD enhance surge and overvoltage protection • Robust system using compatible Inventronics LED modules • Extended system guarantee when combining Inventronics components	• Smart city and utility-grade street lighting • Large-scale deployments requiring direct connectivity • Projects requiring remote monitoring and centralized control • Municipal infrastructures with 3rd-party platforms