

Document Revision Information			
Version	Date	Amendment	Author(s)
Rev 0	2024-12-20	First Publishment	A. Cepeda - S.H.G.

CATEGORY	FAMILY	TYPE	DESCRIPTION	CODE/DEVICE ID
LIGHTING FIXTURES	Device	Light	Any type of light emitting device or fixture. These are intended to be connected to a driver of some sort. The PoE driver is separate from this fixture	F
LIGHTING FIXTURES	Device	Light	Any type of light emitting device. These are intended to be connected to a driver of some sort. The PoE driver is integrated into this fixture.	FPD
SPECIALTY EQUIPMENT	Device	Sensor	Any type of sensor that does not integrate PoE directly into it.	S
DATA DEVICES	Device	Touch Display	Digital Touch Display for controls, media display, etc.	TD
LIGHTING DEVICES	Device	Wall Switch	One or more inputs, momentary or maintained or variable (dimmer), to act as discrete inputs	WS
SPECIALTY EQUIPMENT	Device	Window Treatment	Blinds, shades, curtains, or any window covering. May include integrated drivers or connect to the ACTUATOR (APD) node.	WT
DATA DEVICES	Networking	Controller Aliases: Gateway, Automation Server	A generalized automation server with the function of providing control functions specifically for building automation	GS
DATA DEVICES	Networking	Firewall	Provides the functions of a router as well as industry standard functions for firewalls	FW
DATA DEVICES	Networking	Router	A layer 3 management device that provides these potential services:IP address assignments (DHCP server)SubnettingMay also provide modem functions	RS
DATA DEVICES	Power Sourcing Equipment	Midspan Aliases: Injector	IEEE 802.3 Compliant Power Over Ethernet Midspan	MPS
DATA DEVICES	Power Sourcing Equipment	Source	Generalized term to refer to a DC power source for PoE lighting and automation applicationsMay convert power from AC or Class 4 power	SPS
DATA DEVICES	Power Sourcing Equipment	Switch	IEEE 802.3 Compliant Power Over Ethernet Switch	SWP
COMMUNICATION DEVICES	Powered Device	Actuator	Specific type of node to perform actuator functions including shades, curtains, valves, etc.	APD
COMMUNICATION DEVICES	Powered Device	Driver	Specific type of node to perform a specific action of driving a motor or LED	PDD
COMMUNICATION DEVICES	Powered Device	Node	Generalized intelligent edge device that performs an automated function. May be used functionally as an LED driver, motor or actuator driver, controller, or other element.	PDN
COMMUNICATION DEVICES	Powered Device	Relay Controller	Relay Controller for AC and DC loads	PDR
COMMUNICATION DEVICES	Powered Device	Sensor	Specific type of node to perform the specific action of receiving analog or digital sensor signals, including IR, Video, temperature, humidity, vape/smoke, daylight, etc.	SPD

DEVICE - LIGHT (F)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DETAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	DIMENSIONS	LIGHTING SOURCE SYMBOL SIZE	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	ELECTRICAL	LAMP	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	ELECTRICAL	WATTAGE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	ELECTRICAL - LIGHTING	CALCULATE COEFFICIENT OF UTILIZATION (default)	Yes/No	COMMON	Used most often for instance properties when the parameter is defined with either a Yes or No.
#DEFAULT	ELECTRICAL - LIGHTING	COEFFICIENT OF UTILIZATION	Number	COMMON	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
#DEFAULT	ELECTRICAL - LOADS	APPARENT LOAD	Apparent Power	ELECTRICAL	The current multiplied by the electrical potential in AC systems.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	PHOTOMETRICS	COLOR FILTER	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	DIMMING LAMP COLOR TEMPERATURE SHIFT	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	INITIAL COLOR	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	INITIAL INTENSITY	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	LIGHT LOSS FACTOR	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
PARAM	Data	Lighting Perfomance Specifications	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.
PARAM	Data	Number of inputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Light Source Symbol Length	Length	Common	The length of the symbol that represents a spotlight in 2D and 3D views, extending from the spotlight outwards. This parameter is available when the Light distribution setting is Spot.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Electrical	DC Voltage	Number	COMMON	Forward voltage for diode - 12 - 48 Volt DC
PARAM	Electrical	Emergency Lighting	Text	COMMON	Complies with Emergency Lighting Standards or not for emergency lighting
PARAM	Electrical	Type	Text	Common	monochromatic, dynamic CCT, RGB, RGBW,RGBWC,RGBAWC
PARAM	Electrical – Loads	Input Voltage	Number	Common	Forward voltage for diode - 12 - 48 Volt DC. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Input Wattage	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Rated output current	Number	Common	Constant Current Rating for Fixture/Node - measured in mA
PARAM	Photometrics	CCT	Text	Common	Completely customizable. Can be used to collect unique data.

DEVICE - LIGHT (FPD)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	DIMENSIONS	LIGHTING SOURCE SYMBOL SIZE	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	ELECTRICAL	LAMP	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	ELECTRICAL	WATTAGE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	ELECTRICAL - LIGHTING	CALCULATE COEFFICIENT OF UTILIZATION (default)	Yes/No	COMMON	Used most often for instance properties when the parameter is defined with either a Yes or No.
#DEFAULT	ELECTRICAL - LIGHTING	COEFFICIENT OF UTILIZATION	Number	COMMON	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
#DEFAULT	ELECTRICAL - LOADS	APPARENT LOAD	Apparent Power	ELECTRICAL	The current multiplied by the electrical potential in AC systems.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	PHOTOMETRICS	COLOR FILTER	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	DIMMING LAMP COLOR TEMPERATURE SHIFT	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	INITIAL COLOR	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	INITIAL INTENSITY	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
#DEFAULT	PHOTOMETRICS	LIGHT LOSS FACTOR	<i>Built-In Parameter</i>	<i>Built-In Parameter</i>	
PARAM	Data	Lighting Perfomance Specifications	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.
PARAM	Data	Number of inputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of Inputs (Excluding PoE)	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of Outputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Light Source Symbol Length	Length	Common	The length of the symbol that represents a spotlight in 2D and 3D views, extending from the spotlight outwards. This parameter is available when the Light distribution setting is Spot.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Electrical	DC Voltage	Number	COMMON	Forward voltage for diode - 12 - 48 Volt DC
PARAM	Electrical	Emergency Lighting	Text	COMMON	Complies with Emergency Lighting Standards or not for emergency lighting
PARAM	Electrical	LED Type	Text	COMMON	Constant Current (CC) or Constant Voltage (CV)
PARAM	Electrical	Type	Text	Common	monochromatic, dynamic CCT, RGB, RGBW,RGBWC,RGBAWC
PARAM	Electrical – Loads	Input Voltage	Number	Common	Forward voltage for diode - 12 - 48 Volt DC. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Input Wattage	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Rated output current	Number	Common	Constant Current Rating for Fixture/Node - measured in mA
PARAM	Photometrics	CCT	Text	Common	Completely customizable. Can be used to collect unique data.

DEVICE - SENSOR (S)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Data Input Method	Text	Common	Data measurement Type: Dry Contact Closure, +24 VDC, 0-10 VDC, 4-20 mA, Pulse Generator, Rheostat, etc.
PARAM	Data	Function	Multiline Text	Common	Occupancy, motion, particulate or smoke detection, etc.
PARAM	Data	Number of inputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Data	Specifications	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.

DEVICE - TOUCH DISPLAY (TD)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Controller, Media Display, kiosk, etc.
PARAM	Data	Operating System	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Data	Software	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.

DEVICE - WALL SWITCH (WS)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Data Input Method	Text	Common	Data measurement Type: Dry Contact Closure, +24 VDC, 0-10 VDC, 4-20 mA, Pulse Generator, Rheostat, etc.
PARAM	Data	Function	Multiline Text	Common	Maintained, momentary, variable
PARAM	Data	Number of inputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.

DEVICE - WINDOW TREATMENT (WT)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Blind, shade, curtain, tint, etc.
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Data	Specifications	Multiline Text	Common	Color transmissivity, etc.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	General	Colors	Multiline Text	Common	Color of housing, and/or fabric



NETWORKING - CONTROLLER (GS)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Communication Protocols	Text	Common	IEEE 802.3, DALI, DMX, BLE, Enoclean, . . .
PARAM	Data	Operating System	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.
PARAM	Data	Power Source	Text	Common	Completely customizable. Can be used to collect unique data.
PARAM	Data	Software	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.

NETWORKING - FIREWALL (FW)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DETAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Number of LAN	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of WAN	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Operating System	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.
PARAM	Data	Software	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.

NETWORKING - ROUTER (RS)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Number of LAN	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of WAN	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Software	Multiline Text	Common	Establishes a parameter in which longer multiline texts strings may be used. Click the browse button from the Properties palette to enter your text string.

POWER SOURCE EQUIPMENT - MIDSPAN (MPS)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DETAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Management	Yes/No	Common	Used most often for instance properties when the parameter is defined with either a Yes or No.
PARAM	Data	Number of Ports	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Total Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.

POWER SOURCE EQUIPMENT - SOURCE (SPS)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Input Power Capacity	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Data	Management	Yes/No	Common	Used most often for instance properties when the parameter is defined with either a Yes or No.
PARAM	Data	Number of Ports	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Output Power Capacity	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Data	Total Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.

POWER SOURCE EQUIPMENT - SWITCH (SWP)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DETAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Management Level	Multiline Text	Common	No, L2, L3
PARAM	Data	Number of Ports	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Total Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.

POWER DEVICE - ACTUATOR (APD)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Shade, curtain, valve, other
PARAM	Data	Number of Outputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.

POWER DEVICE - DRIVER (PDD)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Driver, extender (daisychain), Controller, etc.
PARAM	Data	Number of Inputs (Excluding PoE)	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of Outputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Light Source Symbol Length	Length	Common	The length of the symbol that represents a spotlight in 2D and 3D views, extending from the spotlight outwards. This parameter is available when the Light
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Electrical	DC Voltage	Number	COMMON	Forward voltage for diode - 12 - 48 Volt DC
PARAM	Electrical	LED Type	Text	COMMON	Constant Current (CC) or Constant Voltage (CV)
PARAM	Electrical – Loads	Input Voltage	Number	Common	Forward voltage for diode - 12 - 48 Volt DC. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Input Wattage	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Photometrics	CCT	Text	Common	Completely customizable. Can be used to collect unique data.
PARAM	Photometrics	CCT	Text	Common	Completely customizable. Can be used to collect unique data.



POWER DEVICE - NODE (PDN)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DETAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Driver, extender (daisychain), Controller, etc.
PARAM	Data	Number of Inputs (Excluding PoE)	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of Outputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Electrical	DC Voltage	Number	COMMON	Forward voltage for diode - 12 - 48 Volt DC
PARAM	Electrical	LED Type	Text	COMMON	Constant Current (CC) or Constant Voltage (CV)
PARAM	Electrical – Loads	Input Voltage	Number	Common	Forward voltage for diode - 12 - 48 Volt DC. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Input Wattage	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Photometrics	CCT	Text	Common	Completely customizable. Can be used to collect unique data.

POWER DEVICE - RELAY CONTROLLER (PDR)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Driver, extender (daisychain), Controller, etc.
PARAM	Data	Number of Inputs (Excluding PoE)	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of Outputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Electrical	AC/DC Voltage	Number	COMMON	
PARAM	Electrical – Loads	Number of Relays	Text	Common	Completely customizable. Can be used to collect unique data.

POWER DEVICE - SENSOR (SPD)					
	FAMILY PARAMETER GROUP	PARAMETER	DATATYPE	PARAMETER TYPE	DESCRIPTION
#DEFAULT	CONSTRAINTS	DEFAULT ELEVATION	Length	COMMON	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
#DEFAULT	IDENTITY DATA	ASSEMBLY CODE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	COST	Currency	COMMON	Can be used to create currency parameters.
#DEFAULT	IDENTITY DATA	DESCRIPTION	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	KEYNOTE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MANUFACTURE	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	MODEL	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE COMMENTS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IDENTITY DATA	TYPE IMAGE	Image	COMMON	Establishes a parameter in which a specific raster image can be assigned.
#DEFAULT	IDENTITY DATA	URL	URL	COMMON	Provides a web link to user defined URL.
#DEFAULT	IFC PARAMETERS	EXPORT TYPE TO IFC AS	Text	COMMON	Completely customizable. Can be used to collect unique data.
#DEFAULT	IFC PARAMETERS	TYPE IFC PREDEFINED TYPE	Text	COMMON	Completely customizable. Can be used to collect unique data.
PARAM	Data	Function	Multiline Text	Common	Input, sensor, occupancy
PARAM	Data	Number of Inputs (Excluding PoE)	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	Number of Outputs	Integer	Common	A value that is always expressed as an integer.
PARAM	Data	PoE Types	Multiline Text	Common	IEEE 802.3at, IEE 802.3bt
PARAM	Data	Power Budget	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.
PARAM	Dimension	Depth	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Height	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Dimension	Width	Length	Common	Can be used to establish the length of an element or subcomponent. Can be defined by a formula. This is the default type.
PARAM	Electrical	LED Type	Text	COMMON	Constant Current (CC) or Constant Voltage (CV)
PARAM	Electrical – Loads	Input Voltage	Number	Common	Forward voltage for diode - 12 - 48 Volt DC. Can be defined by a formula. Can also have real numbers.
PARAM	Electrical – Loads	Input Wattage	Number	Common	Used to collect miscellaneous numeric data. Can be defined by a formula. Can also have real numbers.