

Configure with MultiOne and SimpleSet

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Information given is indicative and needs validation in the end application by the integrator or customer. On request design-in support can be provided by Philips Lighting.

PHILIPS

Configure with MultiOne and SimpleSet

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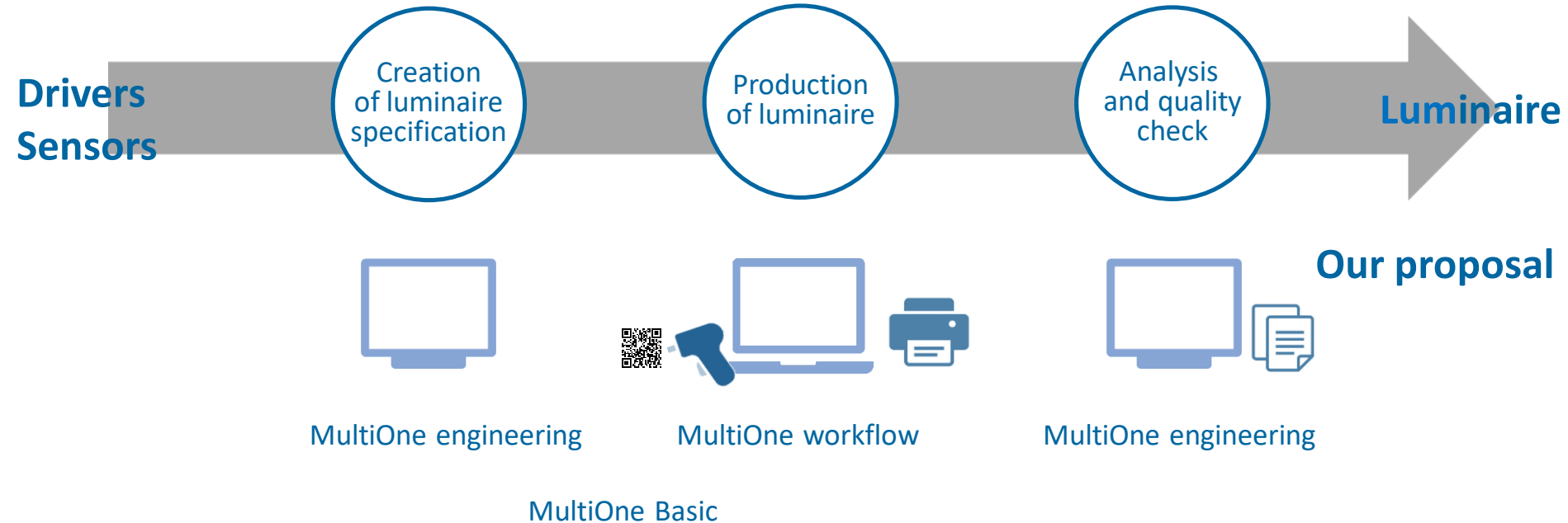


Introduction

Configure with MultiOne and SimpleSet

Introduction: one tool

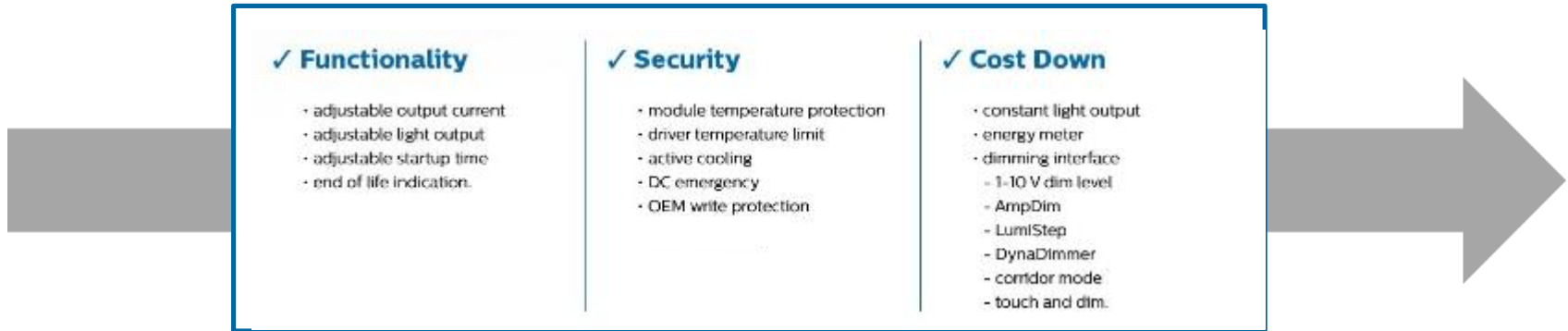
OEM organization



Configure with MultiOne and SimpleSet

Introduction: feature set

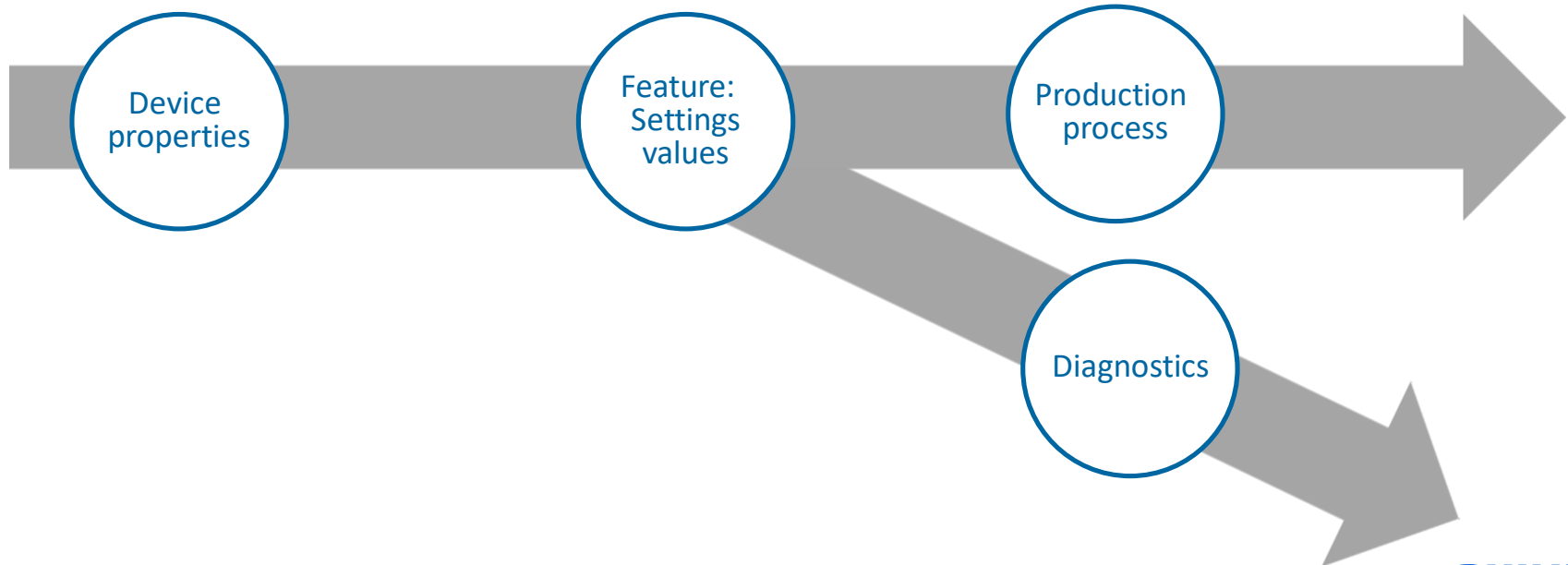
Depending on the type of driver, a set of features and functionality is available



Configure with MultiOne and SimpleSet




introduction: logging data

The collected information during configuration, can be used to set up traceability of product and process



Configure with MultiOne and SimpleSet

Introduction: technology

How to configure with Philips	Use of	Setting/Read out of
Via resistor on driver ➤ Rset, LEDset ➤ High resolution, no discrete steps		Current
Via DALI ➤ Philips MultiOne configurator ➤ Make use of DALI network (*)		Features DALI commands Diagnostics
Via SimpleSet ➤ Philips MultiOne configurator ➤ Make use of NFC technology ➤ Wireless, power less, fast, any stage conf		Current Features Diagnostics

SHIFT

Functionality - Adjustable output current - Adjustable light output - Adjustable Startup Time - Load of the inductor	Security - Multiple Temp Protection - Active cooling - DC emergency - CDM early protection - CDM Incapability	Cost Down - Constant Light Output - Smart driver - Dimming interface - $+1.5V$ pin level - AngDim - LowDim - Dim2Driver - Constant Mode - Touch and Dim - LowTemp
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(*) – More solutions in the market – different competitors



Building blocks for configurability

Configure with MultiOne and SimpleSet

Building blocks for configurability

More than 19.000 users
Used in 85 countries
Worldwide







- Programmable drivers and sensors
- Control devices
- Interface
- PC

- MultiOne Engineering 3.8.1
- User Software Key
- MultiOne Workflow 3.8.1.
- MultiOne Basic 1.0

- Website www.Philips.com/MultiOne
- MyTechnologyPortal
- Sample webshop
- Design in support

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Basic blocks for configuration – Interface

Type of tool	MultiOne name	Supplier + Basics	More info:
DALI 	LCN8600 MultiOne interface USB2DALI	Philips <ul style="list-style-type: none"> • tool developed by Philips • specific for MultiOne 	<ul style="list-style-type: none"> - Multiple configuration (up to 64 same drivers at the same time) - Also used for DALI functionalities (scheduler, commands,...)
SimpleSet 	LCN 9610 MultiOne interface SimpleSet	FEIG : <ul style="list-style-type: none"> • Tool based on ID ISC.PRH101-USB HF • Aligned with our software -> recognized by LCN code 	<ul style="list-style-type: none"> - Use in production environment (Robust) → driver configuration - Reach up to 3 cm - Push button has no functionality - Parallel detection of signal
SimpleSet 	LCN9620 MultiOne interface SimpleSet	FEIG: <ul style="list-style-type: none"> • Tool based on ID CPR30-USB HF • Aligned with our software -> recognized by LCN code 	<ul style="list-style-type: none"> - Use in every environment -> driver/subassembly and luminaire - Reach up to 1 cm - Parallel detection of signal - Build in table of handheld
SimpleSet 	LCN9630 MultiOne interface SimpleSet	FEIG: <p>...Exists of</p> <ul style="list-style-type: none"> - Mid Range Reader ID ISC.MR102 - Use of different antenna's - Adapter to 12V - USB cable and antenna cable 	<ul style="list-style-type: none"> - Depending on the antenna -> larger reach – up to 10 cm - Detect through thin non metal material - Detection in different directions

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Basic blocks for configuration - Interface 3th tool

Interface



antennas

Use inside the luminaire



Use for driver or outside the luminaire

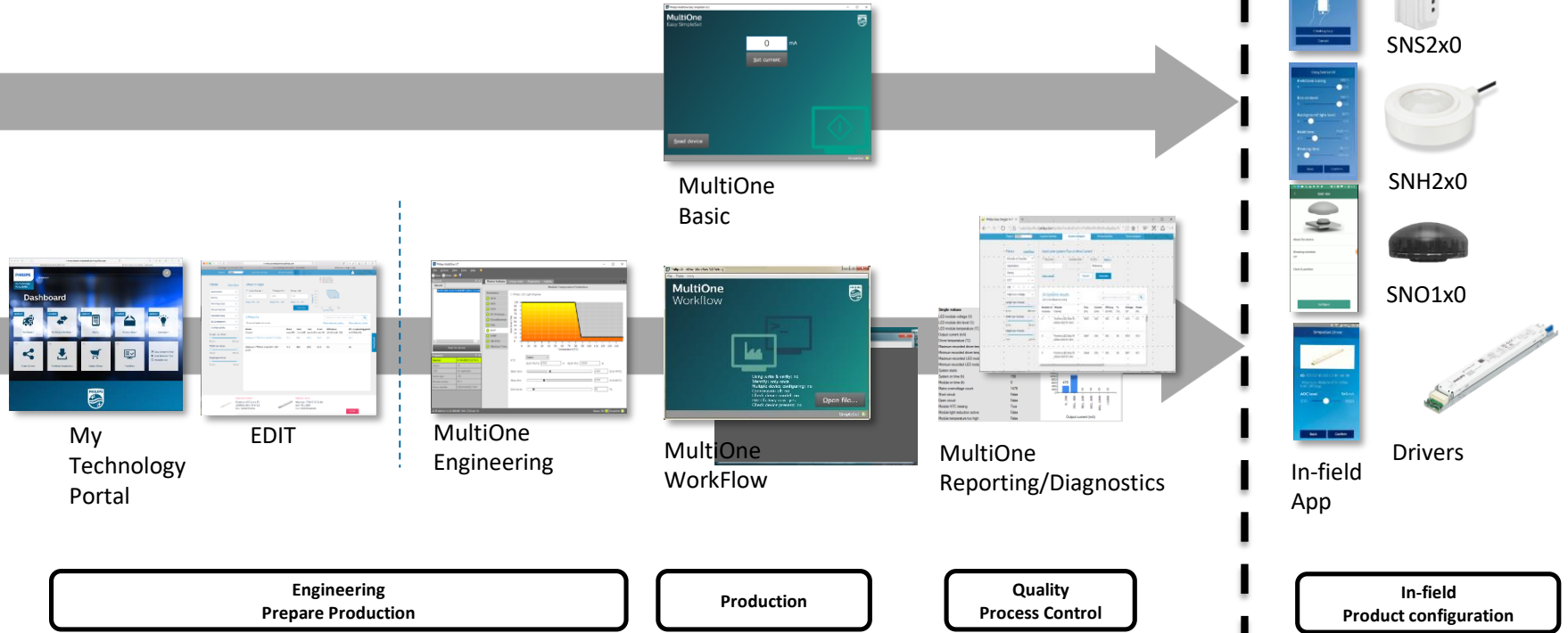


A night view of a modern bridge with blue lighting and a city skyline in the background. The bridge features a central walkway and two lanes of traffic, all illuminated with vibrant blue lights. The bridge's structure is composed of vertical supports and curved beams, creating a rhythmic pattern of light. In the background, a city skyline is visible, with several tall buildings, including a prominent skyscraper, illuminated against the dark night sky. The overall scene is a striking display of modern architecture and urban lighting.

Set up the configuration system

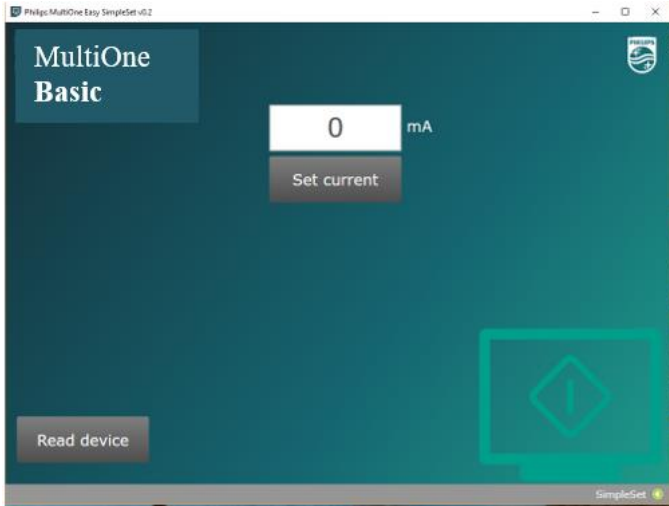
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Setting up the main flow of configuration



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Setting up the configuration system – Basic

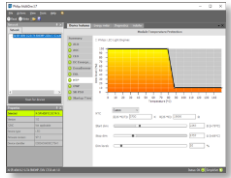


- Install the software
- Connect the interface tool
- Start working
 - Press read device
 - All properties of the driver are visible

 - Fill value of current to be set
 - Press set current
 - Wait until green V
 - Driver is programmed

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Setting up the configuration system – customized workflow



Barcode:

- Feature file (xml file)
- 2 custom fields
- quantity



Feature file (barcode)
Settings station



Product portfolio
Interface



Label - direct printing
Datalogging xml file

Datalogging (xml file):

- Driver info
- Features + values
- Production process

Label (csv file):

- Current
- 2 Custom fields
- Date
- Device ID
- Version
- QR code

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Setting up the configuration system – Future



The image features a vibrant blue, illuminated structure that resembles a roller coaster track or a data visualization. The structure is composed of multiple parallel tracks that curve and rise in a wave-like pattern, creating a sense of depth and movement. The tracks are set against a dark night sky, with the faint lights of a city skyline visible in the background. The overall scene is lit with a strong blue glow, giving it a futuristic and high-tech appearance. The text "Data logging and traceability" is overlaid on the central part of the image.

Data logging and traceability

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Datalogging

Information free to use and available in the datalogging :

Product

DeviceName
DeviceVersion
FirmwareRevision
DeviceIdentifier
TwelveNc
Feature 1
setting 1
setting 2
Feature 2
Feature

Production

DateTime
BatchSize
BatchProgress
Production successful
scheduler file location
FeatureFileLocation
Protocol
WorkflowType
Verify
IdentifyAlways
MultiDevice
CommissionAll
CheckDevicemodel
DaliFactoryNew
CheckDevicePresent

Customer

CustomField1
CustomField2

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Traceability

Feature Luminaire info:

Content format ID:	<input type="text" value="Unformatted content"/>
GTIN (EAN13):	<input type="text" value="9999999999999"/>
Identification number:	<input type="text" value="18446744073709551615"/> <input type="checkbox"/> Use device UID
Additional info (101):	<input type="text" value="Some extra information"/>

- contains three mandatory fields:
 - Content format ID -> select the content format,
 - GTIN of the luminaire (13 digits)
 - Identification number of the luminaire (up till 15 digits)
 - >used as traceability information for OEMs
- Depending on Content format ID -> additional fields are available for storing more detailed information

