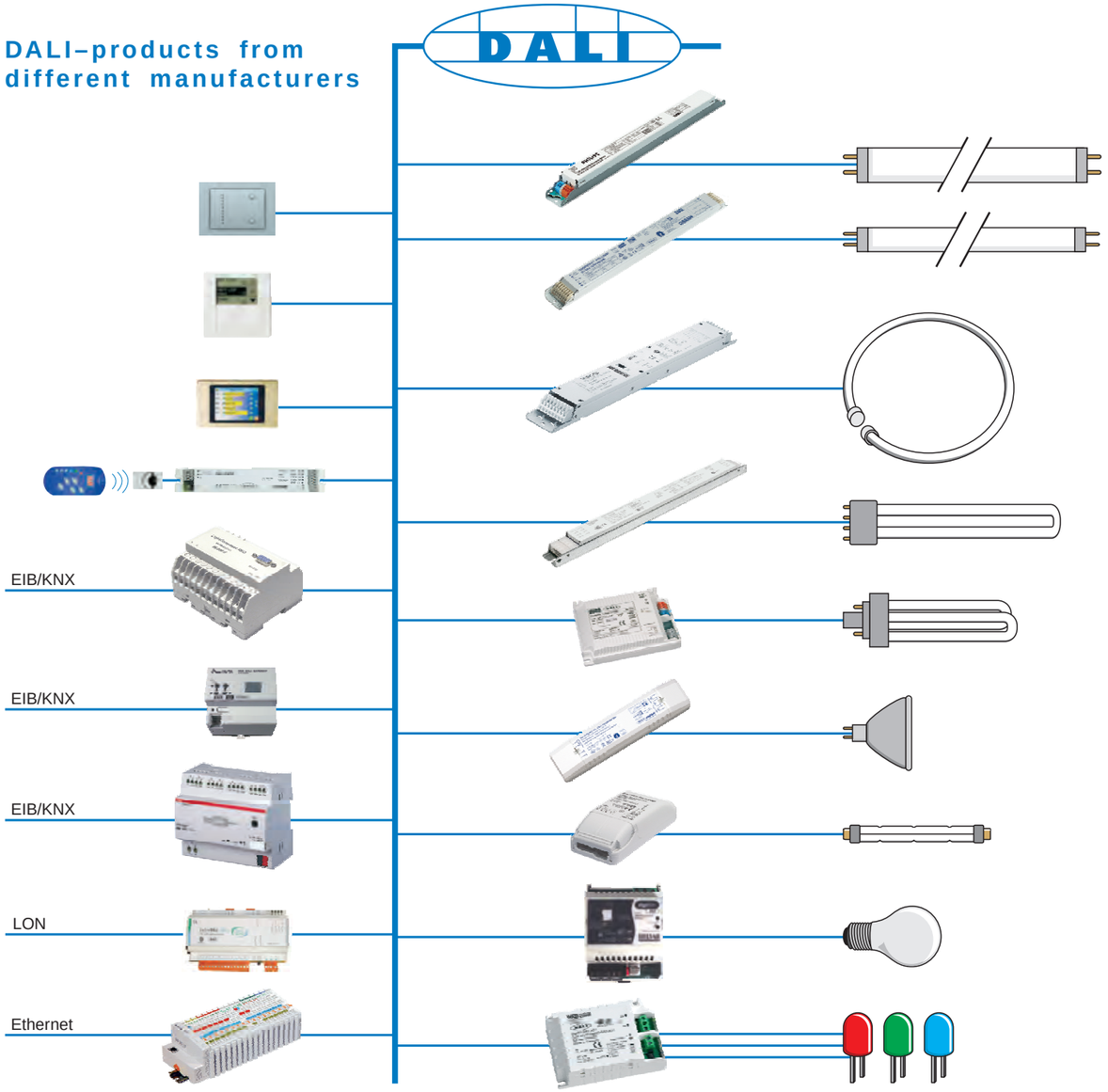
DALI–products from different manufacturers



For more information on DALI please contact your luminaire or control device manufacturer or refer to the DALI manual, which is published by the DALI Activity Group and is also available online at:

www.dali-ag.org

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130 W009 GB 04/06 Subject to technical modifications.
Errors and omissions excepted.

DALI – Planning Standard for Lighting

supported by all leading manufacturers

ABB · BAG electronics · bbeno · CANLYTE Empowering Success · CEAG · DaliPRO A Tridonic Brand · DIAL · ERC · ERCO · ETAP · HADLER · HELVAR · HÜCO · INSTA · Infrance Partner · LIGHTOLIER · lle mc-products · Noko · OSRAM · PHILIPS · SPITTLER · SVEA Building Control Systems · TRIDONIC.ATCO · Universal Lighting Technologies · VS · WAGO · Waldmann

DALI

DALI – an idea becomes reality

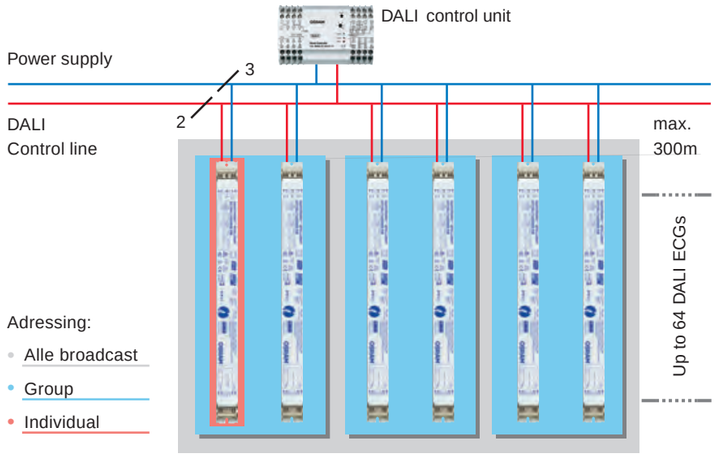
The future of light is dynamic

Modern lighting technology can be divided into three general categories:

- ***Energy saving technology***
- ***Comfort lighting***
- ***Effect lighting***

Energy-saving technology relies on the use of intelligent light management systems with light and movement sensors. Combined with scene control (dimmers), this technology enables comfort lighting. Effect lighting goes from simple colour sequences (time- or event-dependent) right up to night-time colour compositions for building facades.

Operating devices with increasingly sophisticated (µC-based) technology are used as a basis for all of these applications. Irrespective of the dimming factor, this ensures that any lighting system is kept at its optimum working point during operation, which results in lower maintenance costs due to maximised service life.



The world is digital

As digital technology is rapidly conquering all areas of building management systems, the leading manufacturers of electronic ballasts have joined forces to create a digital standard for electronic operating devices. This standard, known as DALI (Digital Addressable Lighting Interface), forms the basis for both simple applications (involving just a single luminaire) and lighting subsystems as part of overall facility management systems.

To enable joint marketing of and support for the new DALI technology, the international DALI Activity Group was founded under the roof of ZVEI, the German Electrical and Electronic Manufacturers' Association (Zentralverband der Elektrotechnik- und Elektronikindustrie e. V.). At present 37 companies or institutes from the fields of luminaires, ballasts and lighting control devices are members of the DALI Activity Group.

Listen to the lighting market – as a member of the DALI Activity Group

Apart from being able to pass on our own ideas, being a member of the DALI Activity Group gives us ongoing access to the latest information. The work performed by the DALI Activity Group includes:

- ***Commercialisierung of DALI as the world wide standard for lighting applications***
- ***Information exchange with help of AG-DALI web page www.dali-ag.org***
- ***Coordinating of technical wishes and ideas of members during workshops and seminars***
- ***Taking steps to ensure all DALI standards are accepted and observed in agreement with the respective standards committees***
- ***Coordination of test procedures for DALI components***
- ***Permission for use of DALI-Logo***

The membership fees paid to the DALI Activity Group are solely used for the above-mentioned purposes. Hence, every euro the AG receives benefits the members.

DALI, a single standard for all control and operating devices

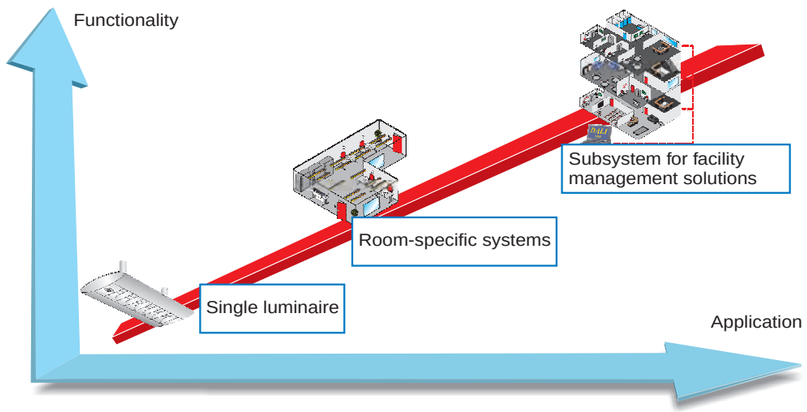
The DALI protocol was added to IEC 62386. Next to DALI operating devices, this standard will also cover control devices and emergency lighting elements.

Control modules: sensors, emergency lighting, control device communication, switches,...

Operating devices: fluorescent lamps, emergency lighting, HID, halogen and incandescent lamps, LED modules,...

DALI: the simple, flexible, digital lighting solution

DALI-operating devices form the basis for all applications (communication with the control device)



DALI benefits at a glance

- ***International standard:***
  Independent from manufacturer
  Future proof
- ***Simple planning and installation:***
  Two-wire line, no need to observe polarity (+/-)
  No need to observe the mains voltage phase (L1, L2, L3)
  The DALI control line can be wired together with the mains supply line (no need for a separate bus)
- ***Flexible lighting groups:***
  Does not need to be wired according to groups or channels, changes by software
  Freely addressable DALI operating devices: all together, group-wise, individual
- ***Advantages of digital operating devices:***
  Scene memory within the DALI operating device (max. 16 scenes)
  Dimming curve to suit the human eye
  DALI operating devices provide individual status reports
  Synchronous scene transitions
  No external switching relay

DALI – a single interface for all Electronic Control Gears and Lighting Control Devices

IEC 62386 Digital Addressable Lighting Interface

Part 100 General Requirements	Part 200 Particular Requirements for Control Gears	Part 300 Particular requirements for Control Devices (in preparation)
Part 101: System	Part 201: Fluorescent Lamps	
Part 102: Control Gears	Part 202: Self-contained Emergency Lighting	
Part 103: Control Devices	Part 203: Discharge Lamps (excluding fluorescent lamps)	
	Part 204: Low Voltage Halogen Lamps	
	Part 205: Incandescent Lamps	
	Part 206: Conversion from Digital Signal into D.C. Voltage	
	Part 207: LED modules	
	Part 208: Switching Function	
	Part 209: Colour control	
	Part 210: Sequencer