PHILIPS

TrustSight

LED emergency systems

LED

Safety, compliance and **peace of mind**

TrustSight LED emergency drivers

They'll never see it
until they need it

Without reliable and compliant emergency lighting in place power cuts can have devastating consequences in offices, retail environments and public buildings. Not only can open areas and internal spaces be plunged into darkness but escape routes can also become impossible to find.

We are a global market leader with recognized expertise in the development, manufacturing and application of innovative lighting solutions, including emergency lighting. With Philips Bodine, market leader in emergency lighting in the US, we have more than 60 years' experience in emergency lighting. Philips emergency lighting products are solidly engineered so that, in the event of an emergency situation requiring building evacuation, emergency lighting guides occupants along a well lit exit route. We help to prevent injury en route and play a key role in the smooth, swift, successful passage of occupants to safety. And by doing so improving the lives of people.

TrustSight LED
emergency systems

what's new?

The new generation Philips TrustSight LED emergency drivers and batteries are a failsafe solution. A simple choice if you design or manufacture fixtures for indoor applications that do not have emergency power as a back up for their lighting.

TrustSight systems include a range of features that have been designed to optimize system value:

› Increased forward voltage window for wider LED board coverage

› Increased flexibility with SimpleSet and MultiOne programming in DALI range

› Compatibility with Lithium and NiMH battery chemistries

› Genuine 21mm driver and battery height

› Easy to install and commission via automatic current-setting and battery detection

Easy to design-in to a wide range of luminaires and applications

Luminaires:
› Office (surface mounted, recessed or suspended)
› Waterproof
› High bay
› Downlights

Applications:
› Office buildings
› Public buildings (airports, cinemas, hospitals, exhibition halls)
› Retail (fashion, supermarkets, DIY)
› Industry (factories, warehouses)
› Education (schools, colleges, universities)

TrustSight
emergency drivers

There are many configuration options we offer with our new generation of Trustsight LED emergency drivers. The safety extra low voltage (SELV) version is perfect for OEM manufacturers who require SELV or for downlight applications and the high voltage version provides an industry leading emergency load range for all linear and mid/highbay applications. All variants are designed to charge and manage both NiMH and Lithium battery chemistries.

" As LEDs become more efficient, LED generation management will become one of your most complex challenges."

TrustSight at a glance:

› Easy to design-in thanks to Constant Power Output and auto current setting

› Automatic battery detection reducing number of part codes required in stock for 2W, 3W, 4W, 5W versions

› Easy wiring & strain relief caps for conversion to independent use

› Battery duration minimum 3 hours

› Driver tcmax 75°C allowing design flexibility

› Monthly automatic function test with periodic full duration test cycle for long battery life

› Designed for Philips Fortimo/CertaFlux and third party modules

› Compatible with NiMH and Lithium batteries

› Extra-wide Vf window up to 300V for industrial and highbay applications

Flexible and smart
As LEDs become more efficient, LED generation management will become one of your most complex challenges. TrustSight LED emergency systems make things simple. The future-proof design works with practically all the latest generation LED drivers and modules. The dedicated systems support SELV sources (15 – 55V) and high voltage LED sources (45 – 300V). The smart system is optimized to work with Xitanium LED drivers with Fortimo LED lines, strips, squares SLM and DLM systems.

A design-in dream
TrustSight LED emergency systems have the flexibility to complement original architectural and lighting designs. The small dimensions are easy to design into a wide range of applications from downlights and linear fixtures to square or high bay solutions. You can even have the option of a complete independent solution with additional accessories. They're also easy to install and configure, saving valuable time and reducing installation costs. Combination with Sensor Ready drivers and sensors will also enable you to make your emergency system part of a connected system for controlling, monitoring and reporting.

Small is beautiful
Standard housing and small system dimension make TrustSight easy to design into luminaires.

Built-in protection and **peace of mind**

TrustSight LED emergency drivers and batteries are designed to offer you a failsafe solution for total peace of mind. In the event of AC power loss, the emergency driver immediately switches from battery charge mode to illumination mode. It takes over the function of the standard LED driver, operating your LED luminaire as a de-centralized system when mains power fails. So you can promise your customers that their escape routes and exits will always be illuminated.

66 **Lighting manufacturers** can't afford to compromise on safety and compliance."

Features & Benefits

TrustSight LED emergency systems come with the following protection features as standard:

› Fast shift over to emergency mode in case of mains failure

› Integrated automatic self-test

› Conditioned automatic discharge of batteries

› Specially developed batteries for emergency lighting

› Trusted and proven technology

A long and reliable lifetime
The systems promise reliable battery and charge management with a driver lifetime of 70,000 hours at Tcase 75°C and come with a 5-year warranty.
To guarantee a 4-year operation at high temperatures, the NiMH and Lithium Iron Phosphate (LFP)batteries comply with all European Norms. Specially designed for emergency lighting they have a maximum continuous ambient temperature of 50°C for NiMH / 60°C for LFP and are charged and discharged via proven techologies.

Safe and secure installation
Lighting manufacturers can't afford to compromise on safety. With TrustSight LED emergency systems, you won't have to. No jumper setting is required. The TrustSight driver automatically detects the battery pack, making installation straight forward and failsafe. Plus, insulation at the LED driver output means that safe installation is designed in.

EU compliance
TrustSight LED emergency drivers are CE, ENEC- and BSI Kitemark certified to meet all European Norms in emergency lighting. The NiMH and LFP batteries comply with EN60598-2-22, IEC61-951-2 and tested according ICEL1010 E50.

Specifications

TrustSight feature overview

	TrustSight Basic	TrustSight Pro	TrustSight DALI
70khrs lifetime	●	●	●
Constant Power Output	●	●	●
Automatic Battery Detection	●	●	●
Deep discharge Protection	●	●	●
Short– Open Circuit Protection	●	●	●
Automatic Self test		●	●
Configuration with SimpleSet and with MultiOne			●
DALI 2.0*			●
Remote control (via DALI)			●
Diagnostics (via DALI)			●

* Available from April 2019 onwards

TrustSight LED emergency systems high voltage applications

Commercial name	GPC
TrustSight BASIC 45-300V NiMH	9290 016 42706
TrustSight PRO 45-300V NiMH	9290 016 39906
TrustSight DALI 45-300V NiMH	9290 016 40106
TrustSight BASIC 45-300V LFP	9290 016 52006
TrustSight PRO 45-300V LFP	9290 016 52206
TrustSight DALI 45-300V LFP	9290 016 52406

TrustSight LED emergency systems SELV applications

Commercial name	GPC
TrustSight BASIC 15-5 5V NiMH	9290 016 42606
TrustSight PRO 15-5 5V NiMH	9290 016 42806
TrustSight DALI 15-5 5V NiMH	9290 016 40006
TrustSight BASIC 15-55V LFP	9290 016 51906
TrustSight PRO 15-55V LFP	9290 016 52106
TrustSight DALI 15-55V LFP	9290 016 52306
TrustSight Strain Relief Cap	9290 016 53306

TrustSight LED emergency systems batteries

Commercial name	GPC
TrustSight 3.6V 3cell 4000mAh battery NiMH	9290 016 52506
TrustSight 4.8V 4cell 4000mAh battery NiMH	9290 016 52606
TrustSight 6.0V 5cell 4000mAh battery NiMH	9290 016 52706
TrustSight 3.2V 3cell 4500mAh battery LFP	9290 016 53006
TrustSight 6.4V 4cell 3000mAh battery LFP	9290 016 53106
TrustSight 9.6V 6cell 3000mAh battery LFP	9290 016 53206
TrustSight battery box	9290 016 53006
LED Indicator high brightness	
Battery harness NiMH	
Battery harness LFP	

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