

The background of the advertisement is a high-angle photograph of a warehouse aisle. On the left, tall blue metal shelving units are filled with wooden pallets stacked high. The floor is a light grey concrete with yellow and blue safety lines. At the bottom of the frame, two men are walking towards the camera. One man, wearing a dark blue blazer and glasses, is pointing towards the left. The other man, in a light blue button-down shirt, is holding a tablet and looking at it. In the top right corner, there is a circular logo with a rainbow-colored border and the letters 'LED' in white. The overall scene is brightly lit, suggesting a well-lit industrial environment.

PHILIPS

TrustSight

LED emergency
systems



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.

“**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 technologies.

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 53406
	LED Indicator high brightness	9290 016 53606
	Battery harness NiMH	9290 016 82206
	Battery harness LFP	9290 016 82006



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