

PRESS RELEASE

New product generation of dimmable ballasts

Tridonic presents new features

Dornbirn, 07.12.2011. The new generation of dimmable PCA ballasts from Tridonic provides even more options for fixture manufacturers and users. With new digital interfaces, sensor functions and memory functions the devices meet all the requirements for dimmable light and open up countless possible applications.

The new PCA product range comprises three series: EXCEL one4all, ECO and BASIC.

- The PCA EXCEL one4all series are so versatile and convenient that they open up new lighting solutions. They meet requirements both for fixtures and for applications.
- The PCA ECO series supports all the usual digital communication standards. These devices combine performance with ecological and economic benefits.
- Ballasts in the PCA BASIC series target energy efficiency and provide the basis for simple solutions. They are a real alternative in non-dimmable applications.

Tridonic offers these three series so that customers have a choice of technical features in clearly defined packages. The aim is to provide fixture manufacturers with precisely the functionality that they need for their products.

Energy saving takes priority

The greatest potential energy savings with lighting systems come from automatically adjusting the dimming level according to the amount of freely available daylight. With the new xitec II generation of processors, Tridonic ballasts enable daylight sensors and motion sensors to be directly integrated, so

they can react to the presence or absence of people and the available ambient light. A long series of intelligent functions enables energy to be saved continually and effortlessly. These functions include economical lamp operation, optimum filament heating at every dimmer setting, low power consumption on standby and automation for corridors, storage rooms and car parks.

Plug and play

New lighting systems can be created thanks to high-quality plug-and-play solutions with the SMART interface and the versatile programmability of the EXCEL one4all series. The focus here is on simple installation and uncomplicated connection to lighting systems. To ensure intuitive commissioning, all Tridonic ballasts are equipped with a multi-functional interface. The new generation ballasts support the digital DSI standard, and the devices in the ECO and EXCEL one4all series also support the DALI communication protocol. In addition to the digital standards, they also support simpler methods of control such as switchDIM (control via conventional switches) and corridorFUNCTION (control via conventional motion sensors). A special feature of the PCA series is that each control version is wired via the same connections. The device detects the control version and automatically switches to the appropriate mode. Flexible dimmable lighting systems can therefore be put into operation very quickly and without the need for any additional aids.

First series now available

The PCA BASIC series is already available. Its functionality is designed to save energy. These ballasts have been developed for simple dimming applications. They offer defined dimming functions and dimming values. To do this, they make use of tried and tested DSI and switchDIM technology. The ballasts also support the corridorFUNCTION in its simplest form. With the SMART-Plug cF modules there is also a choice of three preprogrammed profiles for the corridorFUNCTION. The SMART interface also enables PCA BASIC ballasts to offer constant lighting control with the plug-and-play SMART 5D sensor.

The portfolio of the PCA BASIC series covers all the usual lamp types (T5 HO and HE, T8, TC-L, TC-F, T5c, etc.). It also supports special types, such as amalgam lamps and energy-optimised T5 versions.

PCA BASIC at a glance

DSI

corridorFUNCTION with three preprogrammed profiles

switchDIM with memory function

Daylight control via SMART sensor

Dimming range 10 – 100 percent

Ballasts in the PCA ECO and PCA EXCEL one4all series will be available in February.

Press contact

Markus Rademacher

Tridonic GmbH & Co KG

Head of Media & PR

Phone: +43 5572 395 – 45236

markus.rademacher@tridonic.com

About Tridonic

Tridonic, headquartered in Dornbirn/Austria, develops, manufactures and markets equipment for a wide range of light sources, lighting management systems, LED solutions and connectors. Through its active partnership, outstanding service competence and technical expertise Tridonic enables its customers to implement lighting solutions of superior functionality and economy.

In the 2010/11 fiscal year, 2300 employees in 30 locations achieved sales of 437 million euros. More than 250 development engineers create intelligent lighting concepts based on sophisticated systems and products. More than 380 inventions and over 2000 patents are ample evidence of the powers of innovation of Tridonic. Customers include luminaire manufacturers, manufacturers of products that incorporate lighting, architects, electrical system designers, lighting planners, electrical contractors and wholesalers.

The history of Tridonic stretches back more than 60 years and is a success story with many highs. Today, true to its slogan “enlightening your ideas”, Tridonic is synonymous with outstanding products and services related to the fascinating subject of light.

For more information go to www.tridonic.com.