

PRESS INFORMATION

Robust and smart control system

Under the brand XARA[®], NORKA presents scalable light management solutions whose robustness exceeds the market standards. The users can thus be provided with the entire lighting and control technology for the projects from under one roof. Besides hardware and software, NORKA also offers support for the planning process or takes care of the complete design, configuration and programming of complex systems on request.

Perfectly harmonised

The name of the NORKA lighting control system says it all: XARA[®] stands for eXtended Application Range. High-quality materials and special design measures ensure that the components that NORKA uses for the lighting control system also provide functional reliability when standard solutions would have long given up. High protection rating, vibration resistance, impact resistance, resistance against aggressive atmospheres – these are all features this technology provides for the use in industrial workshops, cold stores, swimming pools, train station or multi-storey car parks and underpasses. A good example is the wide temperature range the sensors cover: There is a passive infrared sensor that operates at -40 °C to +70 °C and a high-frequency/radar sensor that can be used at ambient temperatures of -20 °C to +60 °C. No matter if the lighting control technology is autonomous or integrated directly into the luminaires, all components have been thoroughly checked for their compatibility with each other and with the NORKA luminaires.

Scalable from the individual luminaire to luminaires for whole properties

From simple motion detection in one corridor through daylight-dependent constant light control with central control panel in a swimming pool to the interconnection of multiple underground stations with all possibilities of lighting control, emergency luminaire and energy monitoring, the tasks, the size and the complexity of lighting control projects can be vastly different. For this reason, NORKA designed XARA[®] as a modular system. There are three levels: BASIC, ADVANCED and PROFESSIONAL.

In case of the BASIC level, light management is realised decentrally. It is basically a simple, sensor-based system, for example for motion-sensitive switching in corridors or shelf aisles. Configuration and parameterisation can be done by the customer, either using the adjusting screws/potentiometers of the sensors or via the IR remote control that is available as an option.

On the ADVANCED level, XARA[®] also operated decentrally, but with this level, more complex solutions can be realised. This could, for example, be a combination of daylight-dependent and motion-sensitive control

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system including a calendar function with integrated touch panels and built-in emergency lighting. For such applications, NORKA offers the factory-configured version of the system; as an alternative, configuration and parameterisation can also be done during commissioning on site by a NORKA specialist. If desired by the customer, they can naturally take care of the programming of the system themselves. For this purpose, the PC software XARA®-WIZARD is available free of charge. It communicates bi-directionally with the DALI components in the lighting control circuit via the link module XARA®-LM. This allows addressing and parameterisation with a user-friendly graphic user interface, but also status requests and monitoring of the DALI bus communication.

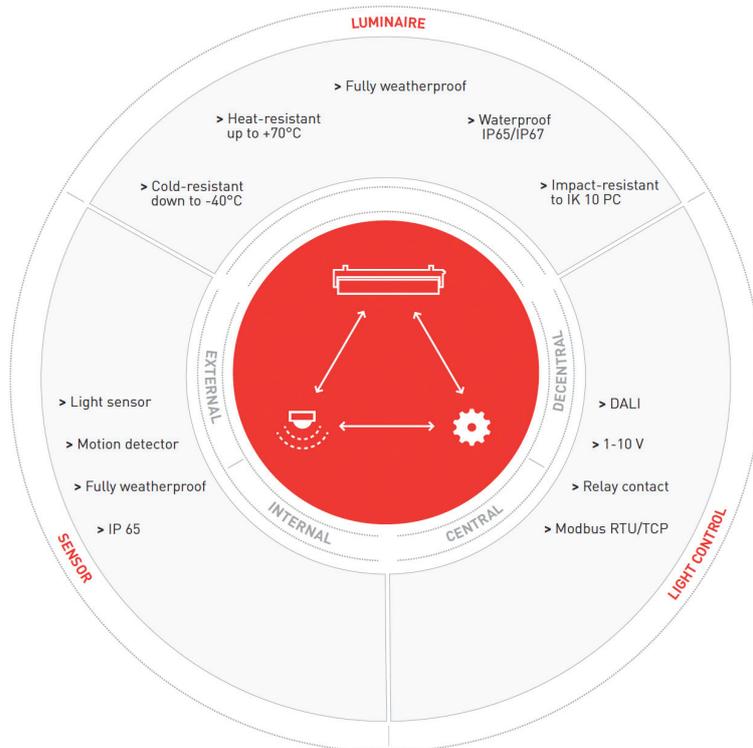
The highest expansion level of the XARA® system is PROFESSIONAL. Maximum functionality and flexibility are realised through the use of programmable logic controllers (PLC). The user is not restricted to a specific communication protocol. Everything that is controllable can be controlled, even across large or spread out properties. Furthermore, energy monitoring, remote maintenance and alerts can be realised via e-mail or text message. Light management is realised centrally and can be part of the primary building automation system on request. Such complex, application-specific solutions are planned and implemented by the control specialist of the NORKA business unit Automation. They have all the competencies required to select, configure and interconnect the various products, protocols and programming options and thus ensure maximum functionality and safety of the system.

From luminaire manufacturer to system integrator

With the launch of the tree-level XARA® light management solution, NORKA substantially extends its competencies. The company now offers services of a specialised luminaire manufacturer, control system manufacturer and system integrator from under one roof. The customers get a “carefree package” custom-made to their individual requirements and also for extremely challenging areas of application. If desired, the NORKA specialists will support them from the planning process to the commissioning of the system. XARA® is no longer only about single luminaires, but provides an efficient, convenient and safe complete solution.

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XARA® lighting control system



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NORKA
 Norddeutsche Kunststoff- und Elektro-
 gesellschaft Stäcker mbH & Co. KG
 Jens Heinrich
 Sportallee 8
 D-22335 Hamburg
 T. +49.40.513009-87
 F. +49.40.513009-8087
 jens.heinrich@norka.de / www.norka.de

AR-PR
 Andrea Rayhrer
 Kommunikation & Public Relations
 Alexanderstraße 126
 D-70180 Stuttgart
 T. +49.711.62007838
 M. +49.163.5001978
 andrea.rayhrer@ar-pr.de
 www.ar-pr.de