



Light solutions

for beverage and food industry

Foodstuffs

- a delicate matter



in production and trade



Food is a basic necessity of life. It is therefore not surprising that special requirements are in place when it comes to the production of foodstuffs of any kind. These requirements are meant to ensure that we can purchase foodstuffs and beverages of quite safe quality. When considering the risks, the entire production environment is therefore taken into account.

This is why as part of "Good Manufacturing Practices" (GMP), which forms the basis for risk assessments in the production of medicinal products, foodstuffs and beverages, the lighting system must of course also be taken into consideration. In many cases, these risk assessments are performed in accordance with the "Hazard Analysis Critical Control Point" (HACCP) procedure. In accordance with this procedure, the luminaires manufactured by us were also examined and assessed in regard to the food hygiene requirements of DIN 10500. Therefore on less challenge on the way to meet the high quality requirements. Regiolux offers suitable lighting solutions for professional applications.

Regiolux - Luminaires

for the increased safety requirements in the food industry



The manufacture of foods, as well as production and storage in the chemical and pharmaceutical industry, are subject to particularly strict regulations. Various quality assurance systems and internationally recognised hygiene standards such as HACCP (Hazard Analysis and Critical Control Point) are a possibility of preventing or reducing health risks for personnel in production operations up to the final consumer.

In trade and industry, member companies have developed the International Featured Standard (formerly the International Food Standard) and the BRC Global Standard for Food-Safety as a standard for quality and food safety. Its purpose is to provide a standardised check of the food safety and level of quality of producers. It can be used for all production stages of food processing. IFS standards are developed by and for all supply chain parties. They want to implement these uniform standards to assure food safety and demonstrate the product safety and quality of the products they market or the services they provide.

To meet these stringent safety requirements for production sites and their lighting systems, Regiolux has documented and given evidence by means of an audit by the German Association of Management Systems (DQS) that Regiolux luminaires are suitable for use under these standards.

Luminaires meeting the standards of DIN 10500 fall under the HACCP system for IFS Vers. 6 and/or BRC Global Standard for Food-Safety Vers. 6 certified companies.



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9	CONFIRMATION
	This is to certify that
	REGIOLUX GmbH Helinger Straße 3 97486 Köngsberg Germany
	has implemented and maintains a system for the identification and evaluation of health dangers under special consideration of shatter protection, cleaning and maintenance as well as the chemical and mechanical resistance
	Scope. Manufacture of luminaires with high ingress protection for use in the food and beverage industry
	An audit, documented in a report, has verified that this HACCP system fulfills the requirements of the following regulation:
	DIN 10500 CI May 2003
	The luminaires intended for the lood and beverage industry are generally suitable for use by IFS Vers. 6 and/or BRC Global Standard Food Vers. 7 certified companies of the food and beverages industry.
	Registration No. 516801 HCE
	Frankfurt am Main 2018-10-24 Valid until 2017-10-23
	DQS CFS GmbH Gamear Association for Bastaleshillay
	for the form
let -	LY, beel Salann Mannang, Dentoler Certification Body: DQB CFIS GmbH, August-Schano-Straße 21, 50430 Franklut am Main, Germany

Certificate

By means of an audit, documented in a report, evidence is provided that this HACCP system meets the requirements of the following regulation: DIN 10500, May 2009. The luminaires are generally suitable for use by IFS Vers. 6 and/or BRC Global Standard for Food-Safety Vers. 6 certified companies operating in the food and beverage industry.

We attach this marking to luminaires for the food and beverage industry.



SDT-system

For every requirement the right solution

The diverse SDT system has the right answer for every task. With our quick-fit assembly system, rooms with the most varied of requirements can be illuminated economically. It is predestined for lighting solutions in the fields of industry, production, logistics and shops. Because all device mounts have the time-tested system length restorations can also be easily realized. The various technologies can hereby optimally make the most of their strengths and special possibilities.

Within the new SDT system are device mounts with tunable white technology for Humen Centric Lighting applications.



SDGO

SDGL

SDGV

Individual.Lens.Optic

≤ 10.000 lm

UGR 19

IP20 / IP54

Linear.Lens.Profil

≤ 17.000 lm UGR 22 IP20 Diffuser + reflector

≤ 7.000 lm UGR 25 IP20 / IP40 / IP54



Please refer to the current data for LED luminaires under www.regiolux.de

*For information about the manufacturer's guarantee for LED luminaires, see http://www.regiolux.de/fi leadmin/REGIOLUX/Service/Garantie/Warranty_LED_en.pdf

SDGO... (IP20)/SDGVO... (IP20)/ SDGSO... (IP54) up to 10000Im/unit

- wide distribution ...В
- ...ТВ narrow/wide distribution
- narrow distributionT
- ...Н extremely narrow distribution use in high-level racks
- double asymmetric distribution ...DA

Housina:

- · Device mount made of galvanised, profiled sheet steel, surface coated with polyester resin enamel. Toolless fastening with two integrated pressure locks.
- Lighting technology:
- · light distribution using Individual.Lens.Optic made of PMMA plastic
- · Continuous optics.
- Good glare limitation. Lamps:
- - Inclusive LED 50000 h L80/B10
 CRI ≥ 80 / 4000K
 - Switching:
 - 1 Ballasť

 - Electronic driver
- Plug part of device mount firmly (SDGO/ SDGSO) or variable (SDGVO) with tool-free phase preselection and locating finger.





SDGL... (IP20)/SDGVL... (IP20) up to 17000lm/unit

- wide distribution ...В
-B-2 wide distribution
- double-row for highest lumen output
-T narrow distributionT-2 narrow distribution
- double-row for highest lumen outputH extremely narrow distribution
- use in high-level racks with diffuse distributing optics for the ...K
- indirect lighting component
- Housing:
- · Device mount made of galvanised, profiled sheet steel, surface coated with polyester resin enamel with two integrated lateral lever locks. LED unit in housing length for optically seamless light run.
- Lighting technology:
- · light distribution using Individual.Lens.Optic made of PMMA plastic
- · Continuous optics.
- Lamps: Inclusive LED 50000 h L80/B10
- CRI ≥ 80 / 4000K
- Switching:
- 1 Ballast
- Electronic driver
- · Plug part of device mount firmly (SDGS) or variable (SDGVL/SDGV) with tool-free phase preselection and locating finger.

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SDGVL... (IP20)/SDGV... (IP40)/SDGS... (IP54) up to 7000lm/unit

Diffuse distribution, upgradable with mirror reflectors

SDFB/SDFBL	wide distribution		
SDFT/SDFTL	narrow distribution		

SDFH	extremely narrow distribution
	use in high-level racks
SDFA/SDFAL	asymmetric distribution

- Housing:
- · Device mount made of galvanised, profiled sheet steel, surface coated with polyester resin enamel with two integrated lateral lever locks (SDGVL) or two integrated rotary catches (SDGV/SDGS); LED unit (SDGVL) in housing length for optically seamless light run. Device mount (SDGVL/SDGV) can be variably positioned on the mounting rail. Lighting technology:
- · Direct, general diffuse distribution.
- · LED diffuser cover made of polycarbonate.
- Lamps:
- Inclusive LED 50000 h L80/B10
- CRI ≥ 80 / 4000K
- Switching:
- 1 Ballast
- · Plug part of device mount firmly (SDGS) or variable (SDGVL/SDGV) with tool-free phase preselection and locating finger.



Project practice



Hygienic safety and energy saving

Hygienic safety and energy saving - these two arguments were decisive when the Regiolux SDT-LED light run were selected for use at Recheis Teigwaren GmbH in Hall in Tyrol. Luminaires for the beverage and foodstuffs industry must satisfy high requirements and their suitability must be verified. For Recheis company, this meant that "only luminaires that are suitable in accordance with IFS (International Featured Standard, formerly International Food Standard) would be considered for use in order to ensure the highest degree of product safety possible". Martin Terzer, Managing Director of Recheis, further explained, "This assures us that we will be able to comply with the increasing requirements with regard to safety and hygiene guidelines in the future as well". An external testing institute (DQS) has certified compliance of the SDT system manufactured by Regiolux with DIN 10500, which also verifies compliance with the requirements of IFS and BRC (Global Standard for Food).

Another central aspect was work safety. By implementing the LED light run manufactured by Regiolux, the lighting level was raised by 75 %. At the same time, it was possible to reduce annual operating costs for lighting by almost 90 % by switching technologies from fluorescent lamps to LEDs and by implementing an additional control technology system (presence and daylight control).





Project data

Awarding authority / Building owner: Planning

Execution: Project location: Recheis Teigwaren GmbH Andreas Dunzinger, Christian Ipsmiller / Euro Unitech Andreas Schmid / Firma Recheis Elektro Larcher, Absam Hall near Innsbruck



Recessed luminaires

Diffuser, micro-prismatic direct distribution

Diffuser, satined direct distribution

direct distribution

Diffuser, opal

protection up to 4700lm/unit

protection-PREMP

-PREG

-PREO

planara up to 4700lm/unit

Housing:	
nousing.	

- Sheet steel
- Suitable for ceiling system: ceilings with visible T-rails; concealed symmetrical rail construction; cut-out ceilings

Lighting technology: • Diffuser, plastic PMMA

- · Lighting characteristic direct distribution Lamps:
- Inclusive LED 50000 h L80/B10 CRI ≥ 80 / 4000K Switching:

- 1 Ballast
- Accessories:
- UBM universal mounting bracket for concealed symmetrical rail constructions and cut-out ceilings and SCT safety clips for ceilings with visible T-rails: to be ordered separately.





planara-PNEMP	Diffuser, micro-prismatic direct distribution	Housing: • Sheet steel	
-PNEG	Diffuser, satined direct distribution	Suitable for ceiling system: ceilings with visible T-rails/24mm	
-PNEO	Diffuser, opal direct distribution	Lighting technology: • Diffuser, plastic PMMA • Lighting characteristic direct distribution suited for VDU workstations, 65° < 3000 cd/m ²	
		Lampa	

- Lamps: Inclusive LED 100000 h L80/B10 CRI ≥ 80 / 4000K Switching:

- 1 Ballast





protection up to 5000lm/unit

protection-PRAMP -PRAG	Diffuser, micro-prismatic direct distribution Diffuser, satined	Housing: • Sheet steel Lighting technology:	
110/10	direct distribution	 Diffuser, plastic PMMA 	the second s
-PRAO	Diffuser, opal direct distribution	 Lighting characteristic direct distribution suited for VDU workstations, 65° < 3000 cd/m² Lamps: Inclusive LED 50000 h L80/B10 CRI ≥ 80 / 4000K Switching: 1 Ballast 	

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peanut up to 4700lm/unit

peanut corridor-AGI Diffuser, matt direct/indirect distribution

- Housing:
- · Polycarbonate, injection moulded,
- transparent Lighting technology:
- Diffuser, matt; plastic PC
- Lighting characteristic direct/indirect
 distribution
- Lamps:
- Inclusive LED 50000 h L80/B10
- CRI ≥ 80 / 4000K
- Switching:
- 1 Ballast

Hall luminaires

worker up to 29800Im/unit

worker-WOHB direct wide distribution -WOHTB direct narrow/wide distribution -WOHT direct narrow distribution

Mounting:

- Ceiling surface mounting
- Suspended mounting
- Housing:
- · Sheet steel housing, powder-coated
- Lighting technology: • Individual.Lens.Optic; PMMA plastic
- Lamps:
- LED SDCM 3
- CRI ≥ 80 / 4000K
- Switching:
- Electronic driver
- 230 V 50 Hz.
- Accessories:
- Surface-mounting kit DW 235/80 for ceiling mounting and suspension kit KSH 4 or KKH 4 for chain suspension to be ordered separately









Other special applications

HUMAN CENTRIC LIGHTING (HCL)

Our brochures and information on the subject:





Human Centric Lighting

Tunable white luminaires for Human Centric Lighting

Our Label for Human Centric Lighting

Regiolux highlights the special characteristics and options of this product group with an own label



Photo index

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