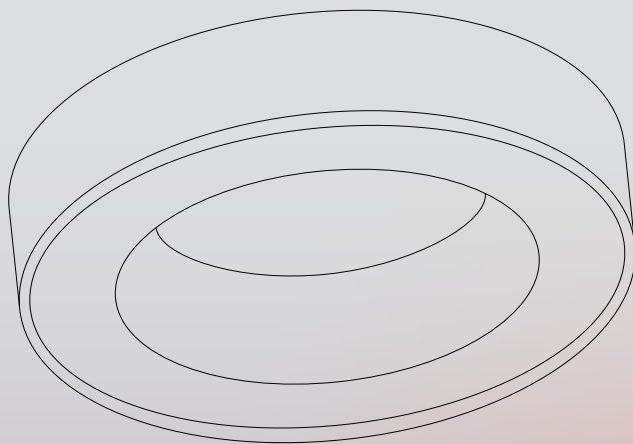


ewo





# PROJECT OVERVIEW

Kassel, Germany

<i>Type</i>	Public Space
<i>Location</i>	Kassel, Germany
<i>Client</i>	Städtische Werke Netz + Service GmbH
<i>Lighting System</i>	Bespoke Luminaire
<i>Specification Design</i>	Client
<i>Engineering</i>	ewo
<i>Year of Installation</i>	2018-2019
<i>Quantity</i>	63 pieces



Why do  
we innovate?

## COMPETITIVE ADVANTAGE

ewolIndividual

For ewolIndividual projects, we produce illumination systems that satisfy special demands, both in terms of technology and design. Working with architects and planners, we contribute our know-how, technical precision and craftsmanship.

ewolIndividual is about innovation, creating unique products based on our collaborations with you, so that our expertise can make your project shine.



## PROJECT INSPIRATION

An artistic legacy

The cultural and historic legacy of Kassel inspired ewo's lighting and luminaire designers to produce something special on request.

ewo's customised luminaire was unlike any the company had produced before, satisfying numerous aesthetic and operational specifications, delivering a theatricality befitting the town's stature as a cultural landmark.

Street lighting shines down from an elegant ring's flat underside to illuminate the most important areas for pedestrians and road traffic.



Which lighting effects were possible  
within a single luminaire?

## EFFECT LIGHTING

Functional and colourful

The walls of the 200 mm deep exterior, produce a 360-degree 'effect lighting show' projected to the surrounding buildings when needed, showering the street scene with a variety of RGBW-configured colours, for important events.

White light also provides functional illumination, contributing to a full range of practical, aesthetic and ceremonially appropriate settings, easily controllable by the client on demand.

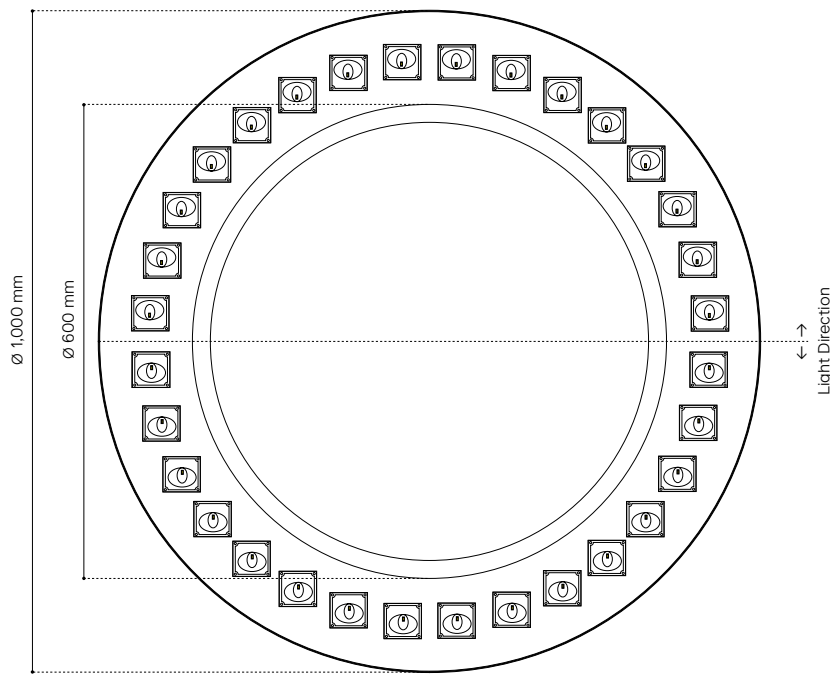


## ARTISANS OF LIGHT

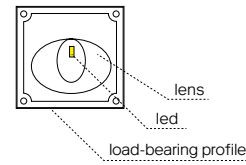
Handmade in Italy

The circular design emits light from two different sources. For the primary functional street lighting, each luminaire houses 32 LS13 wide asymmetric street lighting lenses with a warmth of 3,000 K, mounted to the ring with a 1 m diameter predetermined by the city of Kassel. RGBW LEDs are attached to the rim for effect lighting, to illuminate the PMMA cover of the lamp from the inside.

LIGHT SOURCE 1



COMPONENTS



COLOUR TEMPERATURE



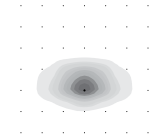
Warm white → 3,000 K  
CRI ≥ 80

LENS



LS13 Wide Asymmetric

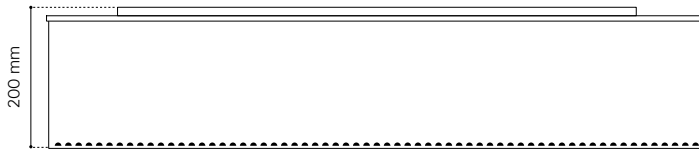
LIGHT DISTRIBUTION



LEDs SPECS

Colour temperature	3,000 K
CRI	≥ 80
Driver	DALI driver
Quantity	32 LEDs per luminaire
Lens	LS13 Wide Asymmetric
Output	151.5 W (12,708 lm) 3,000 K

LIGHT SOURCE 2



RGBW LIGHT

RGB	1,600 mcd
White	600 lm (3,000 K)
Max. Power	77 W

RGBW



MOUNTING

Carrying rope DM	6-11 mm
	Cable holder remains on suspension cable, but can be separated
	Cable holder horizontal, vertical (180 mm min.) with an adjustable axel
	4 attachment points for each luminaire

MATERIAL

Cover	Satin finish flat cover, PMMA
Materials	Aluminium with polyester-powder coated DB703
	Anthracite fine structure ring
Dimensions	200 mm depth
	1,000 mm diameter (predetermined)

PRODUCT SPECS

Type	C2-classified street lighting, in compliance with the EN 13201 standard
Output	151.5 W (12,708 lm) 3,000 K / 77 W RGBW
Controlled by	Power line communication

# TECHNICAL INFORMATION

ewo's modular concept

Illuminations are controlled by a power line communication, for which two controllers are installed on each luminaire. One unit regulates the functional light and the other controls the effect lighting. Depending on the desired lighting scene, the luminaires can be adjusted together or individually.

The luminaires are installed in pairs on a grid of wire ropes, each with four fixing points. A second order was made for an additional set of luminaires in 2019.



ewo creates high-quality lighting systems for public spaces. At the main facility of this family-run business, headquartered in South Tyrol, ewo develops products which illuminate streets, squares, buildings and walking trails, urban gathering points and airports. A modular LED unit forms the basis of the company's sustainable and efficient lighting projects, irrespective of scale.

The company's progressive technology, know-how and open creativity made it a trendsetter for the sector. Even in the most challenging scenarios, ewo provides custom-tailored products and lighting designs for distributing and controlling light, features that are a notable standard of quality in the design of public spaces.

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*Photography: Oskar DaRiz, Jacopo Coen*

*Version 1*  
*We reserve the right to make technical changes.*

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