



Light for parks, nature and public spaces



IL
InstaLighting



Ferry terminal Oste
LEDLUX LH3, light and facade line



Plaza Nube Cloud Square, Saragossa
OGL1 1060 LX, in-ground light

Light is part of nature. In landscape planning, therefore, lighting should integrate into the natural environment and create spaces where both people and animals enjoy spending time.

Glare-free optics that direct light only where it is needed prevent light pollution and protect biodiversity. On traffic areas and paths, in parks, and on walkways, bridges, and public squares where people gather, good lighting ensures safety and aids orientation.

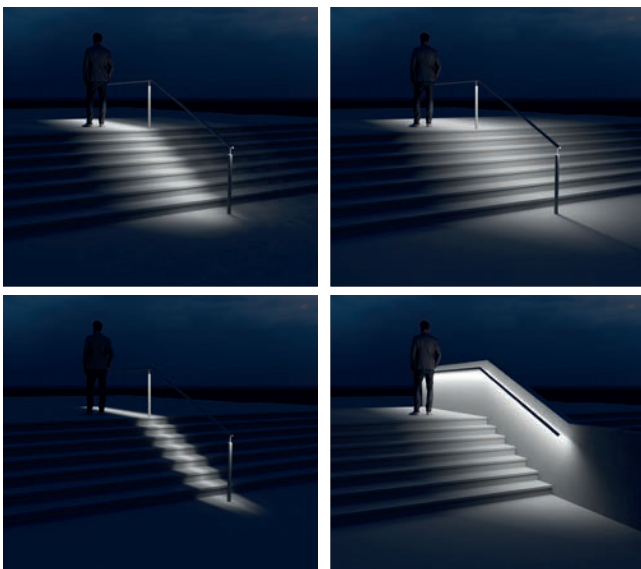
At the same time, parks, recreational areas, and the landscape in general contribute to a location's identity and form part of sustainable tourism concepts. Lighting shapes the character of a place, creates a sense of distinctiveness and recognizability, and fosters an atmosphere of well-being.

Minimalism and flexibility

Integration of light into landscape and architecture

Light is a central element of landscape planning and design. In its product development, InstaLighting consistently focuses on the effect of the light itself. At the same time, the luminaires are designed to remain inconspicuous and integrate seamlessly into architectural or landscape design elements.

Durable materials, modular product concepts, flicker-free dimming, and optics specifically developed for landscape planning form the foundation of InstaLighting's product portfolio, making our luminaires a versatile toolkit for lighting designers and landscape architects.



OHR Handrail light insert| LEDLUX inside

- standardized profile made of highly durable V4A stainless steel, integrable into all commercially available handrail systems
- flicker-free dimming across the entire range from 1% to 100%
- wide range of optics and light colors
- different sizes – can be linked together
- 230 V version without power supply saves installation time and space



„Himmelstreppe“, Meschede
 LEDLUX LH2, light & facade line
 OHR1 4020 LH2, handrail light insert
 OGL4 LH2, in-ground light





Seekurgarten, NordenNorddeich
OS1 3050, Outdoor spotlights

Safety and Aesthetics

Creating identity for public spaces

Well-designed lighting concepts not only create a safe environment but also highlight architectural features and landmarks. Pathway lighting, striking accents, or innovative light installations shape the character of a city or municipality. With control systems from InstaLighting, lighting can be designed to adapt to various occasions, events, and seasons.

Lighting technology from InstaLighting enables intuitive wayfinding and creates spaces for lingering, as well as zones for relaxation or activity. Our modular technology concepts —“Elements” and „LEDLUX“ — for point and linear lighting offer a wide range of precision optics and control options, along with all standard light colors, from monochromatic to Tunable White and colored light.



in-ground LED-point OGL3 3090

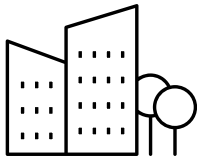
- compact, single color orientation light
- robust, weather-resistant, and vandal-proof
- uniform, non-slip illuminated surface



Priwall, Travemünde
OHR1 4020, handrail light inserts
OGL3 3090, in-ground lights
OGL4, in-ground lights

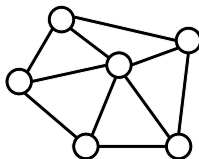
Building automation with KNX

The solution for complex lighting projects and the central control of multiple buildings



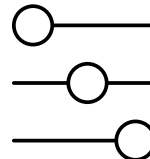
Mesh networks with Casambi

Controlling individual light points without wiring using Bluetooth or Zigbee



Integration of common control technologies

Full-service implementation of control concepts using DALI and DMX – from planning to commissioning.



Staging and functionality

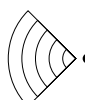
Dynamic control concepts

InstaLighting's control concepts make traffic routes intelligent. For instance, the energy consumption of a lighting system can be significantly reduced through the use of motion sensors without compromising safety.

In addition, digital, intelligent lighting control can reduce energy consumption while simultaneously enhancing the quality of the space. Lighting can thus dynamically adapt to a wide range of usage concepts. The Hunte Bridge in Diepholz, for example, shines in the colors of its French twin city, Thouars, or displays dynamic light sequences evoking the beach and sun, snowfall, or spring meadows – giving the bridge a constantly changing appearance. However, as soon as pedestrians or cyclists approach the bridge, their path across it is illuminated with white light in accordance with current DIN EN13201 standards.

InstaLighting's control expertise

Our products are not only compatible with all standard control technologies; we also offer the corresponding services for planning, programming, and commissioning.





New Hunte Bridge, Diepholz
OHR1 4020 LS, handrail light inserts

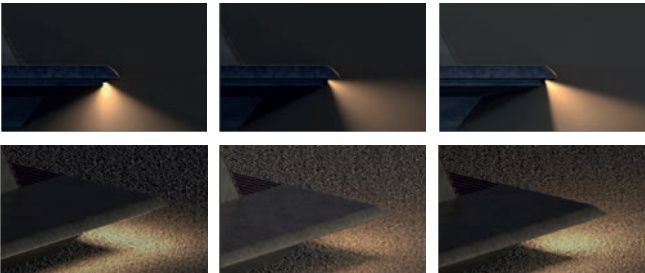


Theodor Heuss Platz, Düren
OHR1 4020 LS, handrail light inserts

Dark Sky and Nature Conservation

Creating habitats for people and animals

By reducing excessive artificial lighting, we not only create a breathtaking starry sky but also preserve biodiversity. „Dark Sky“ concepts rely on low-intensity lighting that respects the natural environment. Various design approaches can be combined to achieve this: intelligent planning, warm light tones, lighting controls and dimming sensors, and precision optics that eliminate stray light work together to help us preserve ecosystems and protect natural habitats for nocturnal animals such as bats and owls.



OHR1 SYM, clear
LEDLUX LH3 inside

OHR1 SYM, diffuse
LEDLUX LH3 inside

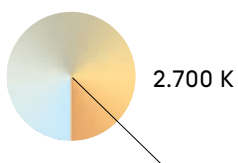
OHR2 A1 Wallwash
LEDLUX optics inside

LEDLUX light lines
LEDLUX is a modular, flexible system that allows various forms and types of LED lighting—such as linear and area applications—to be combined within a single project. LEDLUX light inserts are suitable for everything from simple applications like cove lighting to integration into complex building installations using KNX or Casambi.

Combining functional and architectural lighting

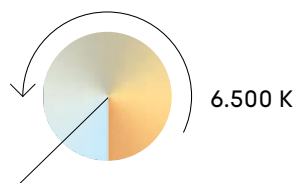
Tunable White for Outdoor Areas

In lighting design, „Tunable White“ is typically associated with indoor spaces — for instance, to create daylight-like scenarios that boost human health and motivation. However, Tunable White can also play a role in ambitious outdoor lighting designs. For example, light intensity can be dynamically reduced to low levels to meet environmental and insect protection requirements. Sensor-based controls allow for reduced energy costs and the creation of dynamic lighting scenarios — ranging from the spectacular to the subtle — that integrate functional and architectural lighting.



Warm-white light

with reduced light intensity and a high proportion of yellow, orange, or red light attracts fewer insects than cool light.



Cool white light

significantly increases the visibility of road users and, consequently, safety.



Dynamic lighting scenarios

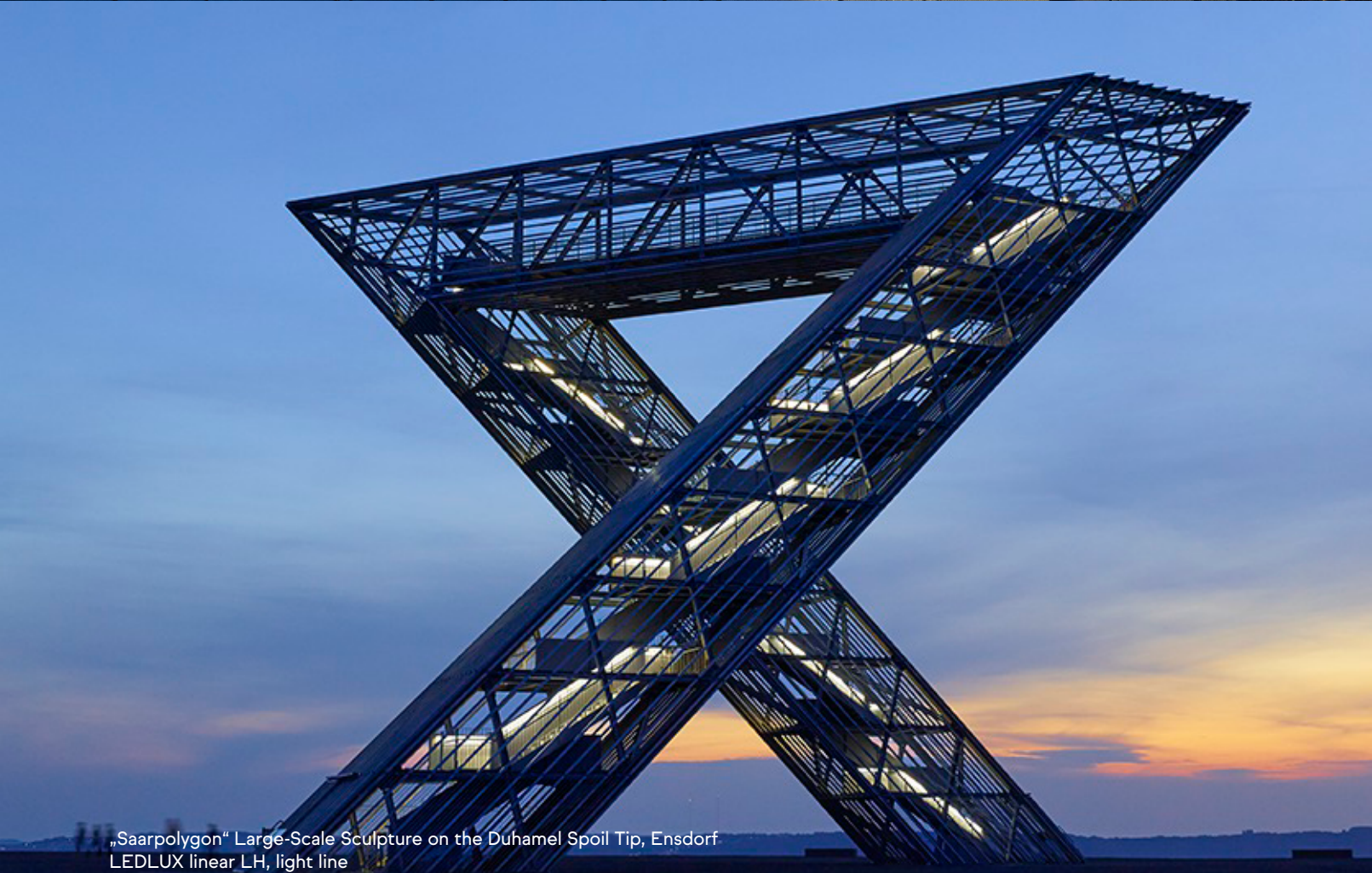
...combine functional and architectural lighting requirements on the Neckar Bridge in Stuttgart. The lighting can respond to users, showcase the movement of passing trains, and adapt to the needs of animals living along the riverbank.



Neckar Bridge, Stuttgart
OHR1 4020 LX, handrail light insert



Dam Möhnesee
OHR1 4020 LS, handrail light inserts



„Saarpolygon“ Large-Scale Sculpture on the Duhamel Spoil Tip, Ens Dorf
LEDLUX linear LH, light line

Robust and durable

Waterproof and vandal-resistant products for outdoor use

To extend the service life of LED components and protect them from dirt and moisture, InstaLighting employs vacuum and encapsulation processes during manufacturing. This technology ensures high light quality and bubble-free optics — benefits that are particularly valuable for outdoor applications, where luminaires are exposed to the elements, intense UV radiation, and significant temperature fluctuations. Precise, high-quality encapsulation results in a longer service life for the LED components, a high ingress protection rating, and resistance to external factors such as moisture and heat.



Outdoor spotlights family OS4 | powered by Elements

- various sizes for all applications
- Aluminum housing with a minimalist design
- Free combination of light colors and optics from InstaLighting's „Elements“ technology platform
- Individually controllable light pixels
- robust, weather-resistant, and durable



Outdoor spotlights

OS4 2x2 | powered by Elements

OS4 1x12 | powered by Elements



Available light color



Optics and light distribution



Luminous flux

Wide Flood Flood
Medium Spot
Wallwash Flood
Wallwash Medium

3.000 K	TW	RGB
1.340 lm	1.100 lm	335 lm
1.510 lm	1.250 lm	540 lm
1.340 lm	1.100 lm	405 lm
1.340 lm	1.100 lm	405 lm
1.220 lm		
1.220 lm	1.000 lm	305 lm

3.000 K	TW	RGB
4.020 lm	4.340 lm	1.100 lm
4.530 lm	4.890 lm	1.620 lm
4.020 lm	4.340 lm	1.215 lm
4.020 lm	4.340 lm	1.215 lm
3.660 lm	3.950 lm	
3.660 lm	3.950 lm	910 lm

Power

20,5W 17W 25W

66W 51W 74W

Characteristics



Connection type

free end of line

free end of line

Color rendering index

typ. 92

typ. 92

Housing material

Aluminium, toughened safety glass

Aluminium, toughened safety glass

Control / Dimming

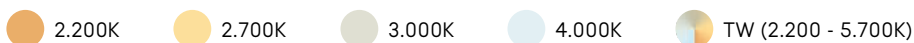
1 - 100% with DALI/DMX

1 - 100% with DALI/DMX

Dimension

Variant	L	B	H
OS4 2x2	190	40	245
OS4 1x12	550	40	180
OS4 2x12	550	40	245

light color legend



OS4 2x12 | powered by Elements



OS5 1x2 | powered by Elements



OS5 1x4 | powered by Elements



3.000 K	TW	RGB
6.160 lm	6.650 lm	2.200 lm
7.000 lm	7.560 lm	1.840 lm
6.160 lm	6.650 lm	1.900 lm
6.160 lm	6.650 lm	1.900 lm
5.460 lm	5.900 lm	
5.460 lm	5.900 lm	1.270 lm
93W	95W	96W

3.000 K
460 lm
735 lm
550 lm
550 lm
415 lm
415 lm
11,1W

3.000 K	TW	RGB
920 lm	760 lm	340 lm
1.470 lm	1.220 lm	540 lm
1.100 lm	915 lm	405 lm
1.100 lm	915 lm	405 lm
830 lm	685 lm	
830 lm	685 lm	685 lm
22,2W	22,6W	22 W

1-100

D-WIRE R-WIRE IK 08/10

IP67

LED

MADE IN GERMANY

SDCM 3

MONO

TW

RGB

IP67

Elements

free end of line

typ. 92

Aluminium, toughened safety glass

1 – 100% with DALI/DMX

free end of line

typ. 92

Aluminium, toughened safety glass

1 – 100% with DALI/DMX

free end of line

typ. 92

Aluminium, toughened safety glass

1 – 100% with DALI/DMX

Variante	L	W	H
OS5 1x2	95	50	100
OS4 1x4	177	50	100

Outdoor spotlights

OS1 3050



Available light color



Optics and light distribution



Luminous flux and Power

3.000K	
10°	4.400 lm; 42W
30°	4.100 lm; 42W
68°	3.850 lm; 42W

Characteristics



Connection type

free end of line

Color rendering index

typ. 85

Housing material

Aluminium, toughened safety glass

Control / Dimming

1 – 100% mit DALI/DMX

Dimension (mm)

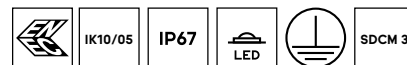
L	W	H
190	40	245

OS2 3065



3.000K

10°	940 lm; 9,5W
30°	860 lm; 9,5W
68°	820 lm; 9,5W



free end of line

typ. 85

Aluminium, toughened safety glass

switchable

L	W	H
105	110	167

light color legend



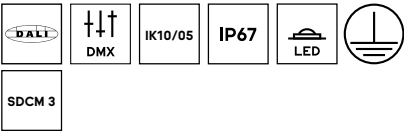
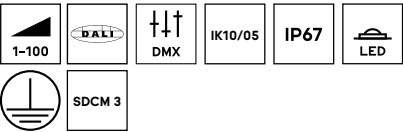
OS3 1065 A

OS3 1065 B



3.000K	
10°	5.020 lm; 53W
29°	4.800 lm; 53W
40°	4.520 lm; 53W
66°	4.720 lm; 53W
3D 48°x12°	4.780 lm; 53W
4D 11°x44°	4.560 lm; 53W
5D 11°x41°	4.750 lm; 53W

3.000K	
10°	2.510 lm; 27,8W
29°	2.400 lm; 27,8W
40°	2.260 lm; 27,8W
66°	2.360 lm; 27,8W
3D 48°x12°	2.390 lm; 27,8W
4D 11°x44°	2.280 lm; 27,8W
5D 11°x41°	2.375 lm; 27,8W



free end of line

Connector / free end of line

typ. 85

typ. 85

Aluminium

Aluminium

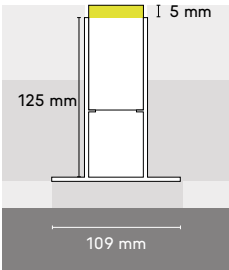
1 – 100% with DALI/DMX

1 – 100% with DALI/DMX

L	W	H
920	70	164

L	W	H
500	70	164

In-ground lights

	OGL4 LH3 LEDLUX inside	OGL4 LS LEDLUX inside
Voltage	 230V	 28V
		
Available light color		
Optics and light distribution	 Diffuse 110°	 Diffuse 110°
Luminous flux and power	@4.000 K: 420 lm/m; 10 W/m	@4.000 K: 900 lm/m; 16 W/m
Characteristics	           	           
Connection type	free cable end	free cable end
Color rendering	typ. 90	typ. 85
Housing material	V4A stainless steel	V4A stainless steel
Controllable / Dimmable	15-100% flicker-free with phase-cut dimming	1 - 100% via DALI → PWM
Dimensions	OGL floor lines are available in the following standard modular lengths (mm): 350, 515, 1000 (custom lengths and maximum length of 1815 mm available upon request). 	
LEDTRIX Control System	 Different light colors can be combined within a single luminaire and controlled individually.	

OGL4 LX | LEDLUX inside

28V



Diffuse
110°

RGBW: 72, 122, 23, 246 lm/m; 16,8 W/m



free cable end
typ. 85 (TW)
V4A stainless steel
1 – 100% via DMX → LEDTRIX

OGL2 | LEDLUX inside

48V



Asymmetric
Wallwash A1
Asymmetric
A2
Narrow NAR
Narrow beam

@4.000 K: 1140 lm/m; 20 W/m



free cable end
typ. 92
V4A stainless steel
1 – 100% via DALI → D-WIRE

OGL2 LX | LEDLUX inside

24V



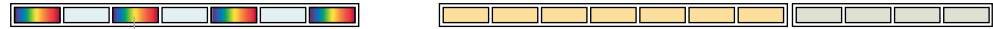
Asymmetric
Wallwash A1
Asymmetric
A2
Narrow NAR
Narrow beam

RGBW: 42; 66; 12; 135 lm/m; 16,8 W/m



free cable end
typ. 92
V4A stainless steel
1 – 100% via DMX → LEDTRIX

Handrail light inserts

	OHR1 LH3 LEDLUX inside	OHR1 LS LEDLUX inside
Voltage	 230V	 28V
		
Available light color	   	  
Optics and light distribution	 Symmetric clear/diffuse  Asymmetric clear	 Symmetric clear/diffuse  Asymmetric clear
Luminous flux and power	@4.000 K: 880 lm/m; 10 W/m	@4.000 K: 1.650 lm/m; 16 W/m
Characteristics	        	        
Connection type	free cable end	free cable end
Color rendering	typ. 90	typ. 85
Housing material	V4A stainless steel	V4A stainless steel
Controllable / Dimmable	15-100% flicker-free with trailing-edge dimming	1 - 100% via DALI → PWM
Dimensions	OHR handrails are available in modular form in the following standard lengths (mm): 385, 710, 1035 (special lengths and maximum length: 1845 mm on request; different lengths for 24 mm slots)	
LEDTRIX Control System	 Different light colors can be combined within a single luminaire and controlled individually.	

OHR1 LX | LEDLUX inside

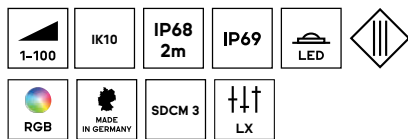


Symmetric
clear/diffuse



Asymmetric
clear

RGBW: 72, 122, 23, 246 lm/m; 16,2 W/m



free cable end
typ. 85 (TW)
V4A stainless steel
DMX → LEDTRIX

OHR2 | LEDLUX inside



OHR2
Wallwash A1

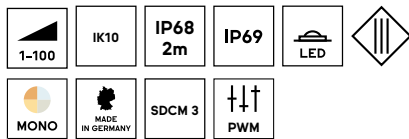


OHR2
Handrail A2



OHR2
Narrow beam
NAR

@4.000 K: 1.502 lm/m; 25 W/m



IP67 connector | Cable length: 80 mm
typ. 92
V4A stainless steel
1 – 100% via DALI → D-WIRE

OHR2 LX | LEDLUX inside



OHR2
Wallwash A1

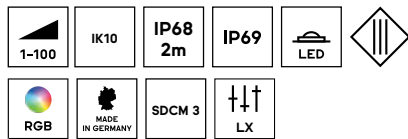


OHR2
Handrail A2

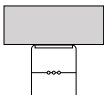


OHR2
Narrow beam
NAR

RGBW: 105, 362, 53 lm/m; 18,9 W/m



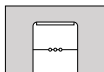
IP67 connector | Cable length: 80 mm
–
V4A stainless steel
1 – 100% via DMX → LEDTRIX



54,0 x 60,0 mm



40,0 x 40,0 mm



60,0 x 40,0 mm



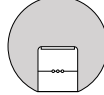
Ø42,4 mm



Ø45,0 mm



Ø48,3 mm



Ø60,3 mm



RGB



RGBW

	LEDLUX LH3	LEDLUX LS
Voltage	 230V	 28V
		
Available light color	   	  
Optics and light distribution	 Directed C070 – 70°  Diffuse S120 – 110°	 Directed C070 – 70°  Diffuse S120 – 110°
Luminous flux and power	@4.000 K: 880 lm/m; 10 W/m	@4.000 K: 1.650 lm/m; 16 W/m
Characteristics	      	      
Connection type	free cable end	free cable end
Color rendering	typ. 90	typ. 85
Housing material	Polycarbonate (PC)	Polycarbonate (PC)
Controllable / Dimmable	15–100% flicker-free with trailing-edge dimming	1 – 100% via DALI → PWM
Dimensions	LEDLUX is available with different grid spacings of 81 mm or 162 mm in the following standard lengths: 334 mm to 1961 mm (special lengths and maximum length up to 3 m on request)	
LEDTRIX Control System	 Different light colors can be combined within a single luminaire and controlled individually.	

LEDLUX LX

⚡ 28V



Directed
C070 – 70°

Diffuse
S120 – 110°

RGBW: 72, 122, 23, 246 lm/m; 16,2 W/m

1-100

IK10

IP64

LED

RGB

SDCM 3

free cable end
typ. 85 (TW)
Polycarbonate (PC)
1 – 100% via DMX → LEDTRIX

LEDLUX optics

⚡ 48V



LL OP
Wallwash A1

LL OP
Handrail A2

LL OP
Narrow beam
NAR

@4.000 K: 1.502 lm/m; 25 W/m

IK10

IP65

LED

MONO

SDCM 3

IP67 connector | Cable length: 80 mm
typ. 92
Polycarbonate (PC)
1 – 100% via DALI → D-WIRE

LEDLUX optics LX

⚡ 28V



LL OP-LX
Wallwash A1

LL OP-LX
Handrail A2

LL OP-LX
Narrow beam
NAR

RGBW: 105, 362, 53 lm/m; 18,9 W/m

1-100

IK10

IP65

LED

RGB

SDCM 3

IP67 connector | Cable length: 80 mm
–
Polycarbonate (PC)
1 – 100% via DMX → LEDTRIX

Light and facade lines

OLL1 LEDLUX inside 		OLL1 LEDLUX inside 	
Voltage	 230V	 28V	
			
Available light color	 		
Optics and light distribution	 63° x 28°	 +/- 5°	
Luminous flux and power	@4.000 K: 670 lm/m; 10 W/m	@4.000 K: 875 lm/m; 19 W/m	
Characteristics	      	     	
Color rendering	typ. 85	typ. 85	
Housing material	V2A stainless steel	V2A stainless steel	
Controlable / Dimmable	30-100% flicker-free with standard dimmers	On / Off	
Dimensions	B 40	W 60	L individual



State Parliament, Stuttgart
OHR1 4020 LS, Handrail light inserts

Cover



Light pixels



Micro-reflectors

Maximum light control in a minimal space directs the light exactly where it needs to go.

Optics and light colors can be freely combined within the pixels and individually controlled.



Housing



Wide Flood



Flood



Medium



Spot



Wallwash Medium



Wallwash Flood



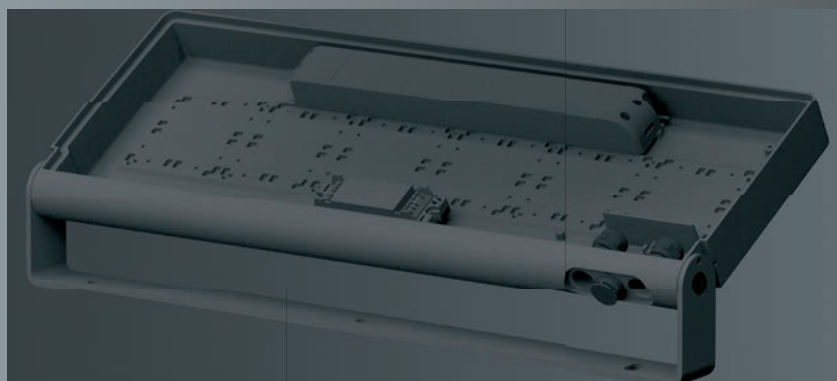
Mono



TW



RGB



Powered by **Elements**

Elements is InstaLighting's modular technology platform, designed to meet the highest standards of lighting quality and planning flexibility. High-quality lighting tools for every conceivable application can be configured from a modular system of optics, light sources, and electronics.

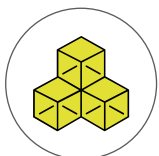
Elements Modular Lighting System

Shape your Light

InstaLighting Elements is an innovative product platform from InstaLighting that offers a wide range of possibilities for developing custom products based on a modular system of LED technologies, optics, light colors, and control systems.

Throughout the entire portfolio, the quality of light consistently remains at the highest level. The housing design can be customized, or the light pixels can be integrated directly into the architecture.

With just a few clicks, individual light pixels can be combined to form indoor and outdoor luminaires for various applications—such as spotlights, wall washers, downlights, accent lights, or linear arrangements—in either surface-mounted or recessed versions. Multiple light distributions and light colors can then be assigned to each individual light pixel. This allows luminaires configured from InstaLighting Elements to create dynamic lighting scenarios or provide balanced ambient lighting.



Modular construction system

Freely combinable system of light distributions, light colors, and control modules

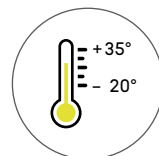


Maximum and consistent light quality

Consistent light quality across the entire portfolio — for all optics, power classes, and light colors.



Flicker-free dimming
across the entire range from
1% to 100%



Stable temperature management
for ambient temperatures
from -20°C to +35°C



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