

Lighting Systems



REGIOLUX

Lighting Systems

functional - effective - efficient

Exclusion of Liability

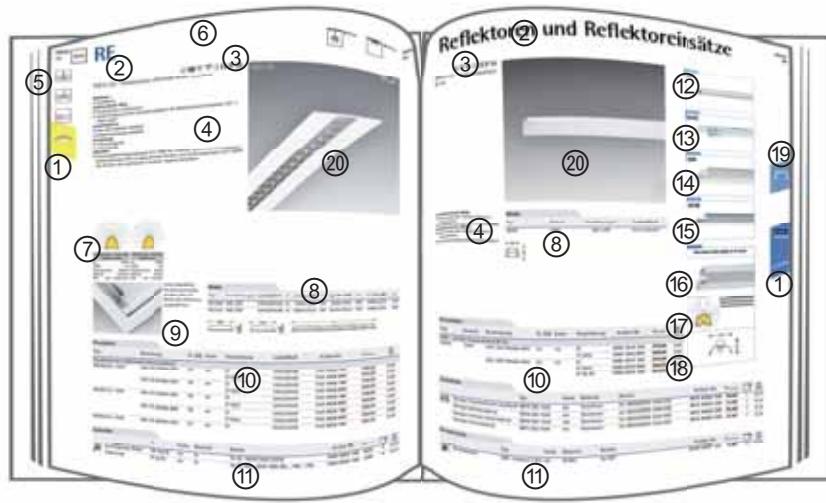
Illustrations, dimensions and weights in our catalogues, price lists and quotations are non-binding. Subject to technical changes, errors and color deviations. All luminaires have been designed for 230V 50Hz mains connection and ambient conditions according to DIN EN 60598 unless otherwise stated, and are supplied without lamps unless otherwise stated. Most of the indications with regard to certifications are presented in our catalogue in a general form. Verification with regard to products can be easily carried out on our website.

Because of the dynamics in the technical development especially in the field of LED modules and their drivers, the information in this paper can only be a snapshot of the current state and are therefore legally not binding. Please refer to our web site for current product specifications.

We point out that the orderer recognises our delivery and payment conditions unless he/she objects in writing when sending his/her order.



Description of page layout

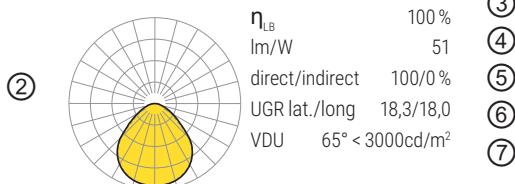


- ① Product group
- ② Luminaire family, type
- ③ Certification: Overview and explanation in Technical information chapter 8: 8.6 Certification, insulation class and protection rating
- ④ Description with regard to lighting technology, housing, miscellaneous
- ⑤ Indications with regard to ceiling systems
- ⑥ Reference to accessories pages and products in other product groups
- ⑦ Light distribution curve (LVK) with data with regard to lighting technology of the reference product.
Explanations in the following area Explanations
- ⑧ Dimensional table and sectional drawings: Explanations of the variables in the following area Explanations
- ⑨ Detail image with explanation
- ⑩ Product table: Explanations of the abbreviations in the following area Explanations
- ⑪ Table with spare parts / accessories (if available): Explanations of the abbreviations in the following area Explanations
- ⑫ Combination quick-fit mounting system: Component mounting rail
- ⑬ Combination quick-fit mounting system: Component device mount
- ⑭ Combination quick-fit mounting system: Component light direction
- ⑮ Combination quick-fit mounting system: Component light direction insert
- ⑯ Quick-fit mounting system: Combination
- ⑰ Quick-fit mounting system: Light distribution curve of the combination, explanations in the following area Explanations
- ⑱ Quick-fit mounting system: Dimensioned drawing of the combination
- ⑲ Indication to the product area mounting rail / device mount / light direction
- ⑳ Product image with icons and indication for functions and features

Explanations

Explanation of lighting technological data

① PNEMP/625 IP54 LED 4400 lm 840



1. Configuration

Possible deviations of luminous flux between magnetic ballasts (Llb) and electronic ballasts (ECG) are not considered.

2. Luminous intensity distribution

Luminous intensity distribution curves shown in the catalogue are represented according to DIN 5032. Only both primary planes are displayed: 0°/180° planes (at right angles to luminaire axis) as a continuous line and 90°/270° (parallel to luminaire axis) as a dotted line. Curves are scaled to represent 1000 lumens of lamp luminous flux.

3. Light output ratios η_{LB}

Light output ratios specified for each luminaire are calculated from the relation of luminous flux $\Phi_L(\tau_i)$ emitted from the luminaire with an ambient luminaire temperature $\tau_L = 25^\circ\text{C}$ and further standardised conditions to the sum of measured luminous flux of the lamps with open distribution transferred individually to the luminaire ballast.

In the case of LED luminaires, the principle of absolute photometry is increasingly applied. In this case, the light output ratio is indicated with 100%. Additionally, the luminous flux is indicated in the form of the measured luminous flux of the luminaire.

4. Luminous efficiency

The luminous efficiency is the luminous flux of a bulb or luminaire related to its electrical power consumption.

In the case of LED luminaires presented according to the principle of absolute photometry (light output ratio 100%), the indication refers to the lumen output of the luminaire which is described by the ratio between luminous flux of the luminaire and system performance of the luminaire.

5. Direct and indirect light components

For evaluating the efficiency and lighting effect of a lighting system within a room, specification of the direct and indirect beam components is helpful.

6. Glare reduction according to UGR method

According to DIN EN 12464-1, not only is reflected glare considered but also direct glare within a specific room. As a standard evaluation system the UGR (Unified Glare Rating) method was introduced in Europe as part of the DIN EN 12464-1 standard. Details concerning the UGR method are described in the CIE 117 publication. The UGR values (lat. and long) of a lighting installation, determined according a table for the position of a standard viewer, are not permitted to exceed the value specified by the standard. In order to compare the direct glare of various luminaires, UGR values of a number of manufacturers are specified with reference to a so-called standard room. Please note that a correct comparison is only possible if all room conditions are identical. In addition it must be noted that UGR values for a real installation may significantly differ to those of the standard room.

Values given are based upon the following definitions.

Room dimensions:

Distance of eye level to luminaire level: H

Room width X = 4H

Room length Y = 8H

Standard reflection factors (0,7 ceiling; 0,5 walls; 0,2 floor)

Luminaire arrangement parallel to Y axis Luminaire distances:

Distance of luminaire to luminaire (spacing) S = 0,25H

Distance of luminaire to wall ½ S = 0,125H

Explanation of lighting technological data

7. Suitability for VDU workstations

Here, the suitability of luminaires for VDU workstations according to DIN EN 12464-1 is specified. The degree number means that the luminance in all luminaire planes beyond that angle does not exceed certain limitation values. Depending on screen quality and screen visualisation, the norm specifies different limitation values. In case of a positive display on screens with an own luminance (< 200 cd/m²), a maximum of 1500 cd/m² and in case of screens with a high luminance (> 200 cd/m²), a maximum of 3000 cd/m² is permissible.

Control gear

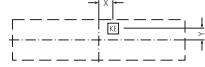
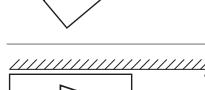
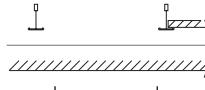
Abbr.	Description
ECG	Electronic ballast
Llb	Low-loss ballast
ind	Inductive, must be compensated on-site
multi	Multiwatt T5
ED	Electronic driver, not dimmable
EDM	Electronic driver Multi, not dimmable (8 or 16 adjustable lighting levels)
DALI	Electronic driver, DALI, dimmable
DALI DT8	Electronic driver, DALI, dimmable, change of light color (Tunable white)
LC.	Device with integrated LC components of special type
M.	Master unit Typ 1-N
S.	Sensor unit Typ 1-N
NL-B1, NL-B3	Emergency light single battery; 1=1h, 3=3h

Explanations

Definition of measurement table variables

Abbr.	Description
A	Distance between the individual luminaires
A1	Fixing distance in case of single mounting
A2	Fixing distance for first or last luminaire in case of light run mounting
A3	Fixing distance for the middle luminaires or between the luminaires in case of light run mounting
A4	Fixing distance (width)
B	Width
D	Diameter
DA	Diameter of cut for recessed luminaires
DA _B	Width of cut for recessed luminaires
DA _L	Length of cut for recessed luminaires
DS min	Minimum ceiling thickness with suspended ceiling
DS max	Maximum ceiling thickness with suspended ceiling
Db	Sensor detection diameter
Dr	Sensor detection diameter ideal movement towards the sensor
Ds	Sensor detection diameter seated activity
Dt	Sensor detection diameter tangential movement parallel towards the sensor
Et	Mounting depth (necessary depth for luminaire mounting)
Et min	Minimum mounting depth (necessary depth for luminaire mounting during ceiling construction)
FB	Width of luminaire groundplate
FD	Diameter of luminaire groundplate
FL	Length of luminaire groundplate
H	Height
HS	Installation height of sensor
KB	Width of luminaire head or ballast box
KD	Diameter of luminaire head or ballast box
KE	Cable infeed
KH	Height of luminaire head or ballast box
KL	Length of luminaire head or ballast box
L	Length
L2	Additional length
MB	Modul (axes) width
ML	Modul (axes) length
P	Suspension length
Pmin	Minimum suspension length
Pmax	Maximum suspension length
P _{Sys}	Luminaire system performance
T	Depth
W	Wall distance
X	Distance from middle of the luminaire to the electrical feed in (X direction = length)
Y	Distance from middle of the luminaire to the electrical feed in (Y direction = width)

Description of measurement table variables

1. Positioning of electrical feed in.
- 
2. Required installation depth "Et" for swivelling of luminaire in visible T rail constructions (lay-in luminaires). Required installation depth "Et" for swivelling luminaire and control gear (if applicable) through ceiling cut-out (clamp mounting).
- 
3. Reduced installation depth "Et min" with aligning of luminaire above T rail construction (during ceiling construction).
- 
4. Required installation depth "Et" for swivelling of mounting bracket (clamp mounting).
- 

Ceiling systems



Ceilings with visible T-rails



For concealed symmetrical rail constructions



For concealed asymmetrical rail constructions



For recessed ceilings



For panel ceilings, module 100, 150, 200

Cross references



Reference accessories



Reference mounting rail installation



Reference mounting note



Reference product groups

Icons / functions features



Configuratlon with sensor available



Configuratlon with emergency light unit available



Luminaires for HCL (human Centric Lighting)



Luminaires suitable for Advanced Services



Luminaires suitable for IoT (Internet of Things)



LED (included)



Beam angle

Explanations

Materials		Colour code	
Abbr.	Description	Abbr.	Colour
A03S-U	Recognised national cable type: measurement voltage 300 V to 300 V; Silicone rubber isolation material, heat-resistant to +180° C; Single-wire conductor, round	al	aluminium
ABS	Acrylonitrile Butadiene Styrene Copolymerisate	aeh	aluminium high gloss
Al	Aluminium	aes	aluminium matt gloss
AlMgSi	Aluminium magnesium silicon (extruded section)	aen	aluminium natural anodized
Cu	Copper	ap	aluminium plate finish
EPDM	Synthetic rubber	am	anthracite metallic
Glass	Glass	bl	blue
Glass matt	Matt glass	bl/cr	blue chrome
Glass (ESG)	Tempered single-pane safety glass	ce	cream
H03VV-F	Harmonised cable: measurement voltage 300 V to 300 V; Isolation material PVC, heat-resistant to +70° C; sheathing material PVC, heat-resistant to +70 °C; fine-strand conductor, flexible	cr	chrome
H05HH-F	Harmonised cable: measurement voltage 300 V to 500 V; Isolation material flat, divisible cable; sheathing material flat, divisible cable; fine-strand conductor, flexible	eg	brushed stainless steel
H05S-U	Harmonised cable: measurement voltage 300 V to 500 V; silicone rubber isolation material, heat-resistant to +180° C; single-wire conductor, round	ge	yellow
H05V2-U	Harmonised cable: measurement voltage 300 V to 500 V; Isolation material PVC, heat-resistant to +90° C; single-wire conductor, round	ge/cr	yellow chrome
H05VV-F	Harmonised cable: measurement voltage 300 V to 500 V; isolation material PVC, heat-resistant to +70° C; sheathing material PVC, heat-resistant to +70 °C; fine-strand conductor, flexible	ga	grey
H07V2-U	Harmonised cable: measurement voltage 450 V to 750 V; isolation material PVC, heat-resistant to +90° C; single-wire conductor, round	gr	green
Inox	Stainless steel	hg	light grey
Inox V2A	Stainless steel (alloy type 1.4301 or X5CrNi18-10)	hgl	high gloss
Inox V4A	Stainless steel (alloy type 1.4401 or X5CrNiMo17-12-2)	kg	pebble grey, RAL 7032
Mix	Diverse materials	kgm	pebble grey metallic, RAL 7032
PA	Polyamide	kl	clear
PC	Polycarbonate	me	metallike
PMMA	Polymethylmethacrylate (acrylic glass)	op	opal white
Polymer	plastic (not defined specifically)	og	orange
Polymer clear	Plastic (crystal clear)	ro	red
Reinforced polymer	Plastic (with admixture of reinforcing materials)	sw	black, RAL 9005
PS	Polystyrene	si	silver
PVC	Polyvinyl chloride	sg	silver-grey, RAL 9006
St	Steel	tz	translucent
StZn	Steel with zinc coating	tp	transparent
		vw	traffic white, RAL 9016
		ws	white
		wa	white-aluminium, RAL 9006



visula



►19

- 20 VSHIG LED
- 20 VSHIMP LED

zatta



►23

- 24 ZTHB LED
- 24 ZTHDA LED
- 24 ZTHXB LED

hokal



►39

- 40 HLHIG LED
- 40 HLHIX LED
- 42 HLHG T5
- 42 HLHIG T5
- 42 HLHD T5
- 42 HLHID T5
- 42 HLHX T5
- 42 HLHIX T5

procube



►45

- 46 CUHX LED
- 47 CUHIG T5
- 47 CUHID T5
- 47 CUHIX T5

Suspended luminaires

alvia



►13

► 14 ALIMPR LED

panella



►27

► 28 PHMPI LED

stail



►31

- 32 SHPI LED
- 32 SHLPI LED
- 34 SHXI LED
- 34 SHLXI LED
- 36 SHPI T5
- 36 SHDI T5
- 36 SHXI T5

cubus



►51

- 52 RSAGHC LED
- 52 RSAHC LED
- 54 RSADIC T5
- 54 RSAVIC T5

peanut



►57

- 58 corridor-HGI LED



 Light strips and
furniture luminaires

ilia ▶ 262



 IL ▶ 264



 Sport hall luminaires

sportler ▶ 466



THL ▶ 474



Suspended luminaires from other chapters



Surface-mounted luminaires

cubus



► 100

lens pro



► 118

lens basic



► 122

Recessed luminaires

panella



► 160



Quick-fit mounting system

SDT-System



► 289



High bay and large area luminaires

cake



► 424

worker



► 434



Damp-proof luminaires

parsa



► 450

PU



► 454

PA



► 458

PC



► 458



alvia



alvia suspended luminaire – weightless light with smart lighting technology

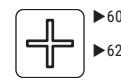
- LED suspended luminaire direct/indirect distribution, separately dimmable
- Ultra-flat shape and light-weight appearance – designed by Busse Design
- Driver integrated into design and also available with Light Control
- Top marks for luminous efficacy and efficiency
- Tunable White technology for Human Centric Lighting HCL



Type overview

- ALIMPR Micro-prismatic diffuser direct/indirect distribution with edge brightening

alvia LED



LED A+ A+ 3000K 90 F CE IP 20

Mounting:

- Suspended

Housing:

- Extruded aluminium profile, natural anodised, visible installation height 23 mm; rounded natural anodised aluminium end faces

Lighting technology ALIMPR:

- Micro-prismatic diffuser; PMMA plastic
- Lighting characteristic direct/indirect distribution
- Suitable for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L80/B10
- CRI $\geq 80 / 3000\text{K}+3000\text{K}$
- CRI $\geq 80 / 4000\text{K}+4000\text{K}$
- CRI $\geq 80 / 3000\text{K}-6000\text{K}$ continuously adjustable DALI DT8

Switching:

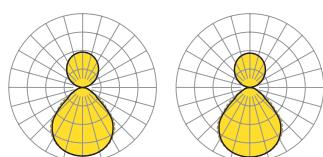
- Various switching modes available
- The number of control gears varies according to the version
- Electronic driver
- 230V 50Hz

Miscellaneous:

- Luminaires with integrated sensors and control available
- Y-wire suspension with translucent connection cable and silver grey ceiling canopy included in the scope of delivery

Accessories:

- Wall switch for DALI LC05 must be ordered separately.
- The apps Osram Control BT, Osram Config BT for DALI LC01 are available in the App store/Google Play



ALIMPR/1400 LED
9100 lm 840/840

ALIMPR/1400 LED
8200 lm 830/830

η_{LB} lm/W	100 %	η_{LB} lm/W	100 %
149	149	138	138
direct/indirect	62/38 %	direct/indirect	63/37 %
UGR lat./long.	15,2/15,9	UGR lat./long.	14,9/15,7
VDU	$65^\circ < 3000\text{cd/m}^2$	VDU	$65^\circ < 3000\text{cd/m}^2$

The long side of the ALIMPR housing conveys a feeling of weightlessness due to the frosted film with the structured backlighting.



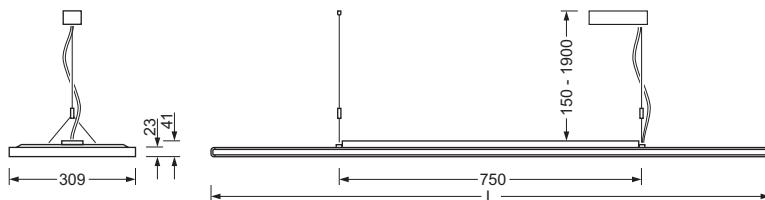
Unusual lighting effects set alvia impressively in the right scene.

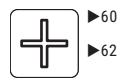
alvia-ALIMPR LC01/1400 LED



Dimensions

Type	Versions	LxBxH/DxH	A1	P min/max
ALI./1100	LED	1122 x 309 x 41	750	150 - 1900 mm
ALI./1400	LED	1394 x 309 x 41	750	150 - 1900 mm





►60

►62



►198

REGIOLUX
15

alvia-ALIMPR/1400 LED



Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Micro-prismatic diffuser direct/indirect distribution with edge brightening</i>								
alvia-ALIMPR/1100	LED 6800 830-860	103	67	aen	DALI DT8 ¹⁾	1122 x 309 x 41	4217 5706 970	5,00
alvia-ALIMPR/1400	LED 8200 830/830	138	60	aen	DALI ¹⁾	1394 x 309 x 41	4216 2516 670	5,40
					Touch	1394 x 309 x 41	4216 2516 570	5,40
					DALI LC05 ³⁾	1394 x 309 x 41	4216 2516 870	5,40
					DALI LC01 ³⁾	1424 x 309 x 41	4216 2518 170	5,55
	LED 9100 840/840	149	62	aen	DALI ¹⁾	1394 x 309 x 41	4216 1416 670	5,40
					Touch	1394 x 309 x 41	4216 1416 570	5,40
					DALI LC05 ³⁾	1394 x 309 x 41	4216 1416 870	5,40
					DALI LC01 ³⁾	1424 x 309 x 41	4216 1418 170	5,55

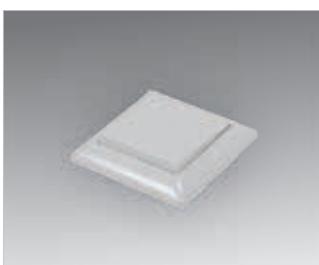
¹⁾ : Luminaires suitable for IoT (Internet of Things)²⁾ : Luminaires with tunable white technology suitable for Human Centric Lighting (HCL)³⁾ : Luminaires with sensors

Accessories

Type	Colour	Material	Details	Art. no.	kg
<i>Electrical technology</i>					
Light Control	LC-PE EnOcean MFB4K	sw	Polymer	EnOcean mini handheld transmitter	8450 7007 100
	LC-RX direct:LC-Taster 2W	ws		wall transmitter, 2 channels (LC05)	8450 6009 207
	LC-RX direct:LC-Taster 4W	ws		wall transmitter, 4 channels (LC05)	8450 6009 205

Wireless Signal

LC-RX direct:LC-Taster



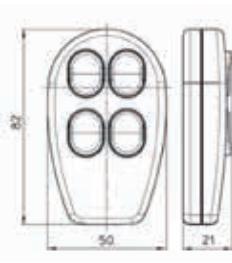
EnOcean control devices 

EnOcean wall transmitter, 2 channel / 4 channel

For individual mounting, rocker switch with neutral middle position, without printing, universally useable, battery-free and maintenance-free, alpine white. Additionally, a receiver for the operation of the control is required. Matching for alvia-ALIMPR LED ED DALI LC05 or corresponding EnOcean wireless controller.

Type	LxBxH/DxH	Art. no.		
LC-RX direct:LC-Taster 2W	80,5 x 80,5	8450 6009 207	1	0,09
LC-RX direct:LC-Taster 4W	80,5 x 80,5	8450 6009 205	1	0,09

LC-PE EnOcean MFB4K



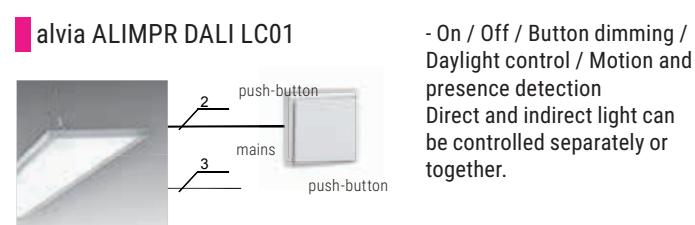
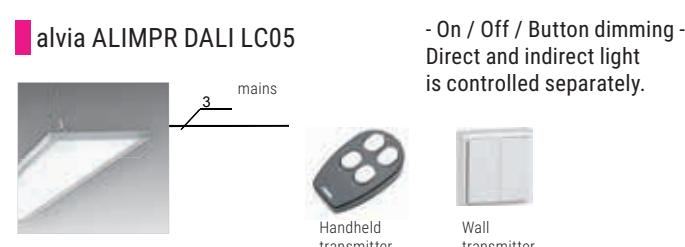
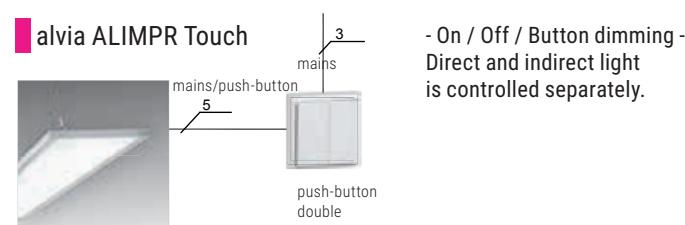
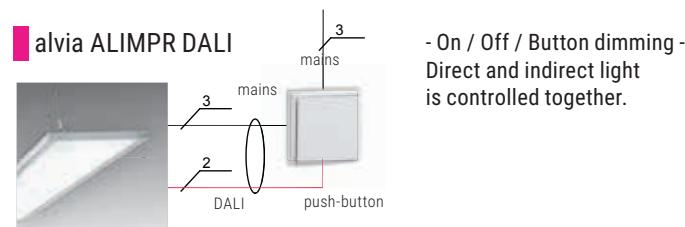
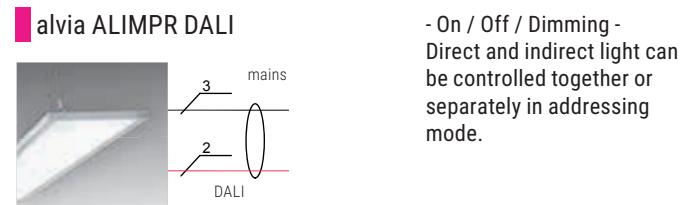
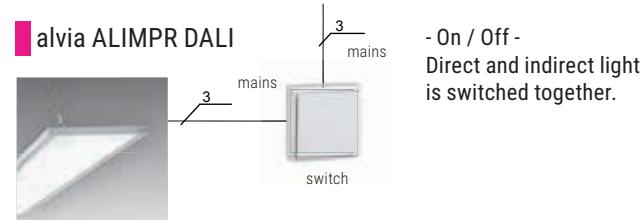
EnOcean mini handheld transmitter, 4 channel

The mini handheld transmitter is suitable for switching and dimming the lighting. It can be switched without batteries and from any location. The small and ergonomic mini handheld transmitter in a closed housing is designed as remote control and has 4 buttons. Colour of the housing: black; colour of the buttons: grey.

Additionally, a receiver for the operation of the control is required. Matching for alvia-ALIMPR LED ED DALI LC05 or the corresponding EnOcean wireless modifications of luminaires.

Type	LxBxH/DxH	Art. no.		
LC-PE EnOcean MFB4K	82 x 50 x 21	8450 7007 100	1	0,08

Application examples



OSRAM BT CONTROL



visula



visula suspended luminaires – design concept for high-quality office lighting

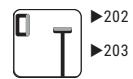
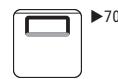
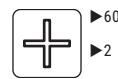
- LED suspended luminaire direct/indirect distribution, separately dimmable
- Ultra-flat shape and light-weight appearance
- Driver integrated into design and also available with Light Control
- Tunable White technology for Human Centric Lighting HCL
- Homogeneous light emission due to LED edge light injection



Type overview

- ▶ VSHIG Diffuser, frosted direct/indirect distribution homogeneous light output through LED edge light injection
- ▶ VSHIMP Micro-prismatic diffuser direct/indirect distribution homogeneous light output through LED edge light injection

visula LED



LED A+ 3000 K 9 V 1 CE IP 20

Mounting:

- Suspended

Housing:

- Natural anodised aluminium frame, visible installation height 30mm

Lighting technology VSHIG:

- Diffuser, frosted; PMMA plastic
- Lighting characteristic direct/indirect distribution

Lighting technology VSHIMP:

- Micro-prismatic diffuser; PMMA plastic
- Lighting characteristic direct/indirect distribution
- Suitable for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K
- CRI ≥ 90 / 2700K-6500K continuously adjustable DALI DT8

Switching:

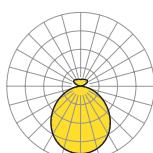
- The number of control gears varies according to the version
- Electronic driver
- 230V 50Hz

Miscellaneous:

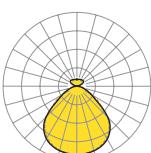
- Luminaires with integrated sensors and control available
- Y-wire suspension with translucent connection cable and silver grey canopy included in the scope of delivery.

Accessories:

- The apps Osram BT Control, Osram BT Config for DALI LC01 are available in the App store/Google Play



VSHIG/1200 LED
4900 lm 840



VSHIMP/1200 LED
4900 lm 840

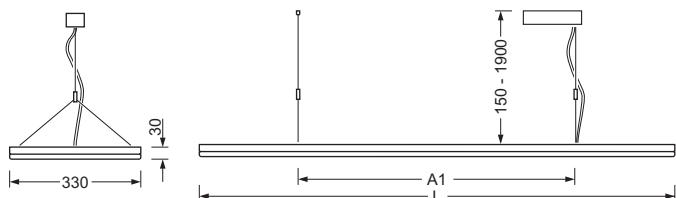
η_{LB} lm/W	100 %	η_{LB} lm/W	100 %
direct/indirect	84/16 %	direct/indirect	84/16 %
UGR lat./long.	20,2/20,0	UGR lat./long.	18,1/18,2
VDU	$65^\circ < 3000 \text{ cd/m}^2$		

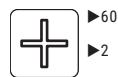
visula-VSHIG LED



Dimensions

Type	Versions	LxBxH/DxH	A1	P min/max
VSHI./1200	LED	1199 x 330 x 30	700	150 - 1900 mm
VSHI./1500	LED	1480 x 330 x 30	863	150 - 1900 mm



►60
►2

►70

►202
►203

Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Diffuser, frosted direct/indirect distribution homogeneous light output through LED edge light injection</i>								
visula-VSHIG/1200	LED 3700 927-965	83	45	aen	DALI DT8 ¹⁾²⁾	1199 x 330 x 30	4322 4016 915	7,60
	LED 4900 840	113	44	aen	ED	1199 x 330 x 30	4322 1014 115	6,30
					DALI ¹⁾	1199 x 330 x 30	4322 1016 615	6,40
visula-VSHIG/1500	LED 4700 927-965	86	55	aen	DALI DT8 ¹⁾²⁾	1480 x 330 x 30	4325 4026 915	9,10
	LED 6300 840	116	55	aen	ED	1480 x 330 x 30	4325 1024 115	7,80
					DALI ¹⁾	1480 x 330 x 30	4325 1026 615	7,90
<i>Micro-prismatic diffuser direct/indirect distribution homogeneous light output through LED edge light injection</i>								
visula-VSHIMP/1200	LED 3700 927-965	82	45	aen	DALI DT8 ¹⁾²⁾	1199 x 330 x 30	4322 4016 975	7,60
	LED 4900 840	112	44	aen	ED	1199 x 330 x 30	4322 1014 175	6,30
					DALI ¹⁾	1199 x 330 x 30	4322 1016 675	6,40
visula-VSHIMP/1500	LED 4700 927-965	85	55	aen	DALI DT8 ¹⁾²⁾	1480 x 330 x 30	4325 4026 975	9,10
	LED 6300 840	115	55	aen	ED	1480 x 330 x 30	4325 1024 175	7,80
					DALI ¹⁾	1480 x 330 x 30	4325 1026 675	7,90
					DALI LC01 ³⁾	1480 x 330 x 30	4325 1028 875	7,90

1) : Luminaires suitable for IoT (Internet of Things)

2) : Luminaires with tunable white technology suitable for Human Centric Lighting (HCL)

3) : Luminaires with sensors



zatta



zatta - with this light raft you will be riding
on the wave of success

- Gracefully lightweight general lighting
- Outstanding for low installation heights
- Light distribution from wide to extra-wide to double asymmetrical distribution
- Output levels from 6,200 up to 8,000 lumen
- Suitable for suspended installation or attachment to 3-phase tracks



Type overview

- ▶ ZTHB Individual.Lens.Optic direct wide distribution
- ▶ ZTHDA Individual.Lens.Optic direct double asymmetrical distribution
- ▶ ZTHXB Individual.Lens.Optic direct extremely wide distribution

 A++  F  IP 20
Mounting:

- Suspended

Housing:

- Sheet steel housing, powder-coated

Lighting technology ZTHB:

- Individual.Lens.Optic; PMMA plastic
- Lighting characteristic direct wide distribution

Lighting technology ZTHDA:

- Individual.Lens.Optic; PMMA plastic
- Lighting characteristic direct double asymmetrical distribution

Lighting technology ZTHXB:

- Individual.Lens.Optic; PMMA plastic
- Lighting characteristic direct extremely wide distribution

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 3000K, 4000K

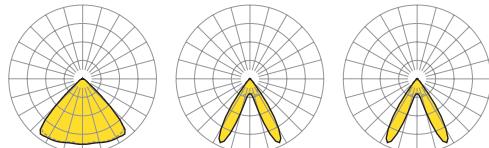
Switching:

- 1 Controller
- Electronic driver
- 230V 50Hz

Miscellaneous:

- Y-wire suspension with color-coordinated connection cable and ceiling canopy included in the scope of delivery. Black available on request

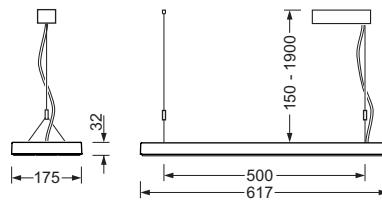
zatta-ZTHDA-3 LED vw



ZTHB-3 LED	7900 lm 840	ZTHDA-3 LED	7500 lm 830	ZTHDA-3 LED	8000 lm 840
η _{LB} lm/W	100 %	η _{LB} lm/W	100 %	η _{LB} lm/W	100 %
direct/indirect	100/0 %	direct/indirect	100/0 %	direct/indirect	100/0 %
UGR lat./long.	20,8/20,9	UGR lat./long.	19,6/18,2	UGR lat./long.	19,9/18,5

Dimensions

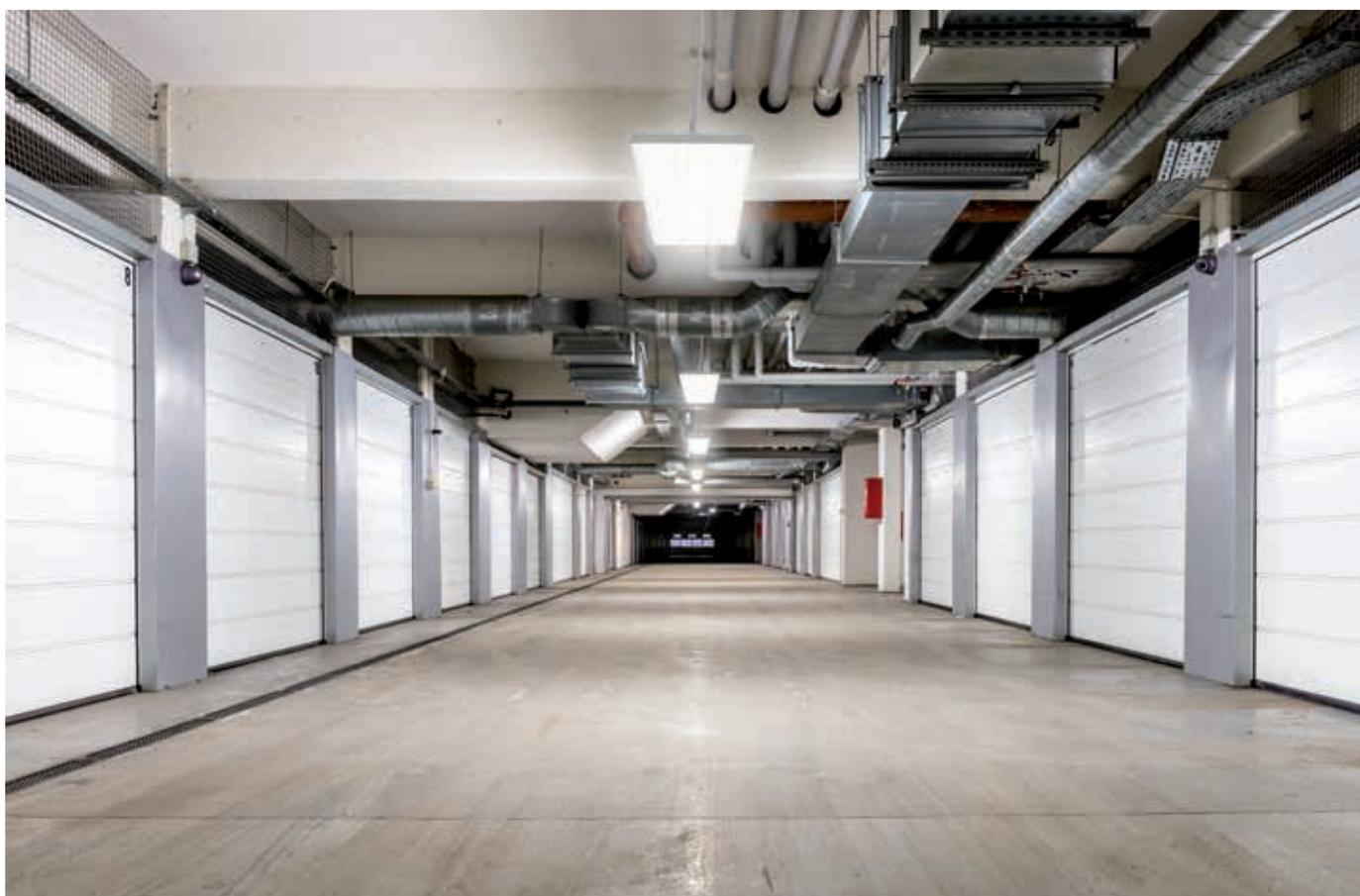
Type	Versions	LxBxH/DxH	A1	P min/max
ZTH-3	LED	617 x 175 x 32	500	150 - 1900 mm



Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxRxH/DxH	Art. no.	kg
<i>Individual.Lens.Optic direct wide distribution</i>								
zatta-ZTHB-3	LED 7400 830	149	49	vw	ED	617 x 175 x 32	4122 0014 120	3,50
				sg	DALI ¹⁾	617 x 175 x 32	4122 0016 620	3,60
	LED 7900 840	160	49	vw	ED	617 x 175 x 32	4122 0014 125	3,50
				sg	DALI ¹⁾	617 x 175 x 32	4122 0016 625	3,60
zatta-ZTHDA-3	LED 7500 830	151	49	vw	ED	617 x 175 x 32	4122 0014 110	3,50
				sg	DALI ¹⁾	617 x 175 x 32	4122 0016 610	3,60
	LED 8000 840	162	49	vw	ED	617 x 175 x 32	4122 0014 115	3,50
				sg	DALI ¹⁾	617 x 175 x 32	4122 0016 615	3,60
<i>Individual.Lens.Optic direct double asymmetrical distribution</i>								
zatta-ZTHXB-3	LED 7400 830	150	49	vw	ED	617 x 175 x 32	4122 0014 130	3,50
				sg	DALI ¹⁾	617 x 175 x 32	4122 0016 630	3,60
	LED 8000 840	161	49	vw	ED	617 x 175 x 32	4122 0014 135	3,50
				sg	DALI ¹⁾	617 x 175 x 32	4122 0016 635	3,60

¹⁾ IoT: Luminaires suitable for IoT (Internet of Things)





panella



panella – the panel luminaire
with a compelling specification

- Flat panel suspended luminaire
- Direct/indirect distribution for a pleasant ambience
- Impressive quality of efficiency, service life and LED driver
- With UV stable micro-prismatic diffuser
for VDU workstations
- Design-integrated suspension



Type overview

- ▶ PHMPI Micro-prismatic diffuser direct/indirect distribution

panella LED



LED A++ A+ □ 3000 lm 19 V 4 CE IP 20

Mounting:

- Suspended

Housing:

- Aluminium, frame white powder coated

Lighting technology PHMPI:

- Micro-prismatic diffuser; PMMA plastic
- Lighting characteristic direct/indirect distribution
- Suitable for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L70/B10
- CRI ≥ 80 / 3000K, 4000K

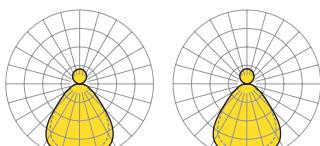
Switching:

- 1 Controller
- Electronic driver
- 230V 50Hz

Miscellaneous:

- Y-wire suspension with 1.8m long white Easy-Plug system connection cable and white ceiling canopy included in the scope of delivery

panella-PHMPI/1200 LED



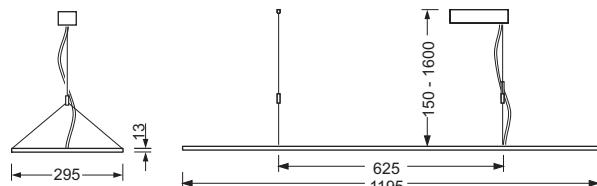
PHMPI/1200 LED	4000 lm 830	PHMPI/1200 LED	4300 lm 840
η_{LB} lm/W	100 %	η_{LB} lm/W	100 %
direct/indirect	78/22 %	direct/indirect	78/22 %
UGR lat./long.	16,7/16,4	UGR lat./long.	16,9/16,6
VDU	$65^\circ < 3000 \text{ cd/m}^2$	VDU	$65^\circ < 3000 \text{ cd/m}^2$



Design-integrated
wire suspension

Dimensions

Type	Versions	LxBxH/DxH	A1	P min/max
PH./1200	LED	1195 x 295 x 13	625	150 - 1600 mm


Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Micro-prismatic diffuser direct/indirect distribution</i>								
panella-PHMPI/1200	LED 4000 830	116	34	vw	ED	1195 x 295 x 13	6020 3034 150	4,60
					DALI ¹⁾	1195 x 295 x 13	6020 3036 650	4,60
	LED 4300 840	125	34	vw	ED	1195 x 295 x 13	6020 4034 150	4,60
					DALI ¹⁾	1195 x 295 x 13	6020 4036 650	4,60

¹⁾ IoT: Luminaires suitable for IoT (Internet of Things)





stail



stail – technical requirement and minimisation

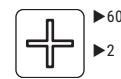
- Suspended luminaire LED or T5 with micro-louvre MIRO-SILVER ® or microprism diffuser
- Sheet steel housing with wide sheet steel end faces and apparent height of only 26 mm
- High quality visual appearance in traffic white or silver grey
- light run arrangement with spacing,
also available as surface-mounted luminaire



Type overview

- ▶ SHPI Micro-prismatic diffuser direct/indirect distribution
- ▶ SHLPI Micro-prismatic diffuser direct/indirect distribution equipped for light run installation
- ▶ SHXI Micro-parabolic louvre, silky matt direct/indirect distribution
- ▶ SHLXI Micro-parabolic louvre, silky matt direct/indirect distribution equipped for light run installation
- ▶ SHDI Micro-parabolic louvre, highly specular direct/indirect distribution

stail LED



LED A+ 3000K 9V CE IP 20

Mounting:

- Suspended

Housing:

- Sheet steel housing, visible construction height 26 mm

Lighting technology SHPI, SHLPI:

- Micro-prismatic diffuser; PMMA plastic
- Lighting characteristic direct/indirect distribution
- Suitable for VDU workstations, $65^\circ < 3000 \text{ cd/m}^2$
- UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L80/B10
- CRI $\geq 80 / 4000\text{K}$

Switching:

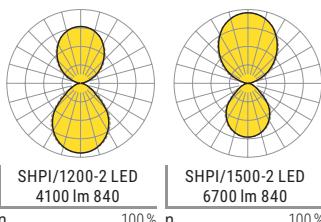
- 1 Controller
- Electronic driver
- 230V 50Hz

Miscellaneous:

- Luminaires with integrated sensors and control available
- Electrical connection via translucent connection cable or via plug-in terminal for SHL types...

Accessories:

- For individual luminaires the suspension set SAYE-PS must be ordered separately; for light run types SHL... the suspension set SAYE-PS must be ordered separately, plus one luminaire connector STAIL-SV and one suspension SAY-DZ per luminaire joint
- The apps Osram BT Control, Osram BT Config for DALI LC01S are available in the App store/Google Play



SHPI/1200-2 LED
4100 lm 840

SHPI/1500-2 LED
6700 lm 840

η_{LB}
lm/W 100%
143 lm/W 100%
direct/indirect 51/49% direct/indirect 40/60%
UGR lat./long. 14,8/15,4 UGR lat./long. 13,6/14,2
VDU $65^\circ < 3000 \text{ cd/m}^2$ VDU $65^\circ < 3000 \text{ cd/m}^2$



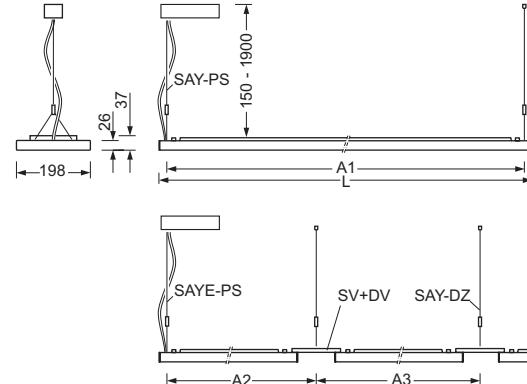
The stail-SHL luminaires can be combined to form light runs. Luminaire connector with suspension. Spacing between luminaires 100 mm.

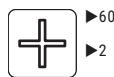
stail-SHPI LED ... wa
stail-SHLPI LED ... wa



Dimensions

Type	Versions	LxBxH/DxH	A1	A2	A3	P min/max
SH./1200-2 LED		1240 x 198 x 37	1216	1279	1342	150 - 1900 mm
SH./1500-2 LED		1540 x 198 x 37	1516	1579	1642	150 - 1900 mm





Products

Type	Lamps	Im/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
Micro-prismatic diffuser direct/indirect distribution								
stail-SHPI/1200-2	LED 4100 840	143	29	vw	ED	1240 x 198 x 37	6031 2024 190	4,51
					DALI ¹⁾	1240 x 198 x 37	6031 2026 690	4,63
				wa	ED	1240 x 198 x 37	6031 2024 195	4,51
					DALI ¹⁾	1240 x 198 x 37	6031 2026 695	4,63
stail-SHPI/1500-2	LED 6700 840	144	46	vw	ED	1540 x 198 x 37	6031 4024 190	5,30
					DALI ¹⁾	1540 x 198 x 37	6031 4026 690	5,42
					DALI LC01S ²⁾	1540 x 198 x 37	6031 4028 890	5,22
				wa	ED	1540 x 198 x 37	6031 4024 195	5,30
					DALI ¹⁾	1540 x 198 x 37	6031 4026 695	5,42
					DALI LC01S ²⁾	1540 x 198 x 37	6031 4028 895	5,22
Micro-prismatic diffuser direct/indirect distribution equipped for light run installation								
stail-SHLPI/1200-2	LED 4100 840	143	29	vw	ED	1240 x 198 x 37	6033 2024 190	4,51
					DALI ¹⁾	1240 x 198 x 37	6033 2026 690	4,63
				wa	ED	1240 x 198 x 37	6033 2024 195	4,51
					DALI ¹⁾	1240 x 198 x 37	6033 2026 695	4,63
stail-SHLPI/1500-2	LED 6700 840	144	46	vw	ED	1540 x 198 x 37	6033 4024 190	5,30
					DALI ¹⁾	1540 x 198 x 37	6033 4026 690	5,42
					DALI LC01S ²⁾	1540 x 198 x 37	6033 4028 890	5,06
				wa	ED	1540 x 198 x 37	6033 4024 195	5,30
					DALI ¹⁾	1540 x 198 x 37	6033 4026 695	5,42
					DALI LC01S ²⁾	1540 x 198 x 37	6033 4028 895	5,06

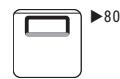
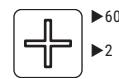
¹⁾ : Luminaires suitable for IoT (Internet of Things)

²⁾ : Luminaires with sensors

Accessories

Type	Colour	Material	Details	Art. no.	kg	
Electrical technology						
Through-wiring cable	stail -DV -3G 710 ws	H05VV-F	3x0.75 mm ² for stail SHL.	6033 9003 100	1 0,21	
	stail -DV -5G 800 ws	H05VV-F	5x0.75 mm ² for stail SHL.	6033 9005 100	1 0,22	
Mounting						
Complete suspension set 3x0,75	SAYE-PS 190	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable, for stail SHL. LED light run	9121 0023 121	1 0,31
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable, for stail SHL. LED light run	9121 0023 135	1 0,31
SAYE-PS 190 5x0,75	SAYE-PS 190	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable, for stail SHL. LED light run	9121 0025 121	1 0,36
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable, for stail SHL. LED light run	9121 0025 135	1 0,36
SAYE-PS-LC01C 190 5x0,75	SAYE-PS-LC01C	vw	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for stail SHL. LED light run	9121 0125 121	1 0,60
		sg	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for stail SHL. LED light run	9121 0125 135	1 0,60
Y-wire suspension SAY -PS 190	SAY -PS 190	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stail individual luminaires LED/T5 and light run luminaires T5	9141 0020 101	1 0,19
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stail individual luminaires LED/T5 and light run luminaires T5	9141 0020 105	1 0,19
	SAY -DZ 190	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=190mm for stail light run	9161 9020 105	1 0,07
Structure						
Luminaire connector	stail -SV 100	vw	St	for stail	6030 1000 100	1 0,18
	stail -SV 100	wa	St	for stail	6030 1000 105	1 1,00

stail LED



LED A+ 1000 19 F CE IP 20

Mounting:

- Suspended

Housing:

- Sheet steel housing, visible construction height 26 mm

Lighting technology SHXI, SHLXI:

- Micro-parabolic louvre, silky matt; Aluminium MIRO-SILVER ®
- Lighting characteristic direct/indirect distribution
- Suitable for VDU workstations, $65^\circ < 1000 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1
- Suitable for VDU workstations, $65^\circ < 1500 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

Switching:

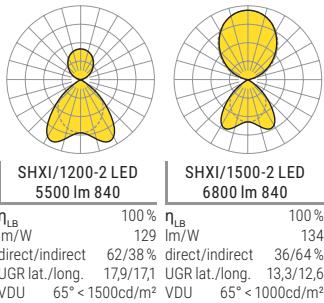
- 1 Controller
- Electronic driver
- 230V 50Hz

Miscellaneous:

- Luminaires with integrated sensors and control available
- Electrical connection via translucent connection cable or via plug-in terminal for SHL types...

Accessories:

- For individual luminaires the suspension set SAYE-PS must be ordered separately; for light run types SHL... the suspension set SAYE-PS must be ordered separately, plus one luminaire connector STAIL-SV and one suspension SAY-DZ per luminaire joint
- The apps Osram Control BT, Osram Config BT for DALI LC01 are available in the App store/Google Play



The stail-SHL luminaires can be combined to form light runs. Luminaire connector with suspension. Spacing between luminaires 100 mm.

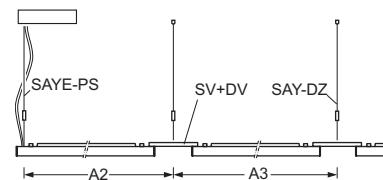
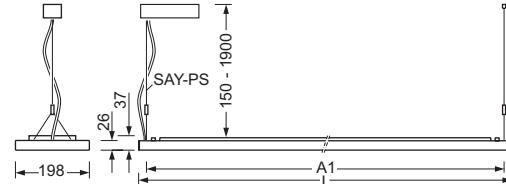
stail-SHXI LED ... vw
stail-SHLXI LED ... vw

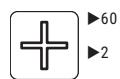
Advanced IoT Services



Dimensions

Type	Versions	LxBxH/DxH	A1	A2	A3	P min/max
SH./1200-2 LED		1240 x 198 x 37	1216	1279	1342	150 - 1900 mm
SH./1500-2 LED		1540 x 198 x 37	1516	1579	1642	150 - 1900 mm





►60
►2



REGOLUX
35

Products

Type	Lamps	Im/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Micro-parabolic louvre, silky matt direct/indirect distribution</i>								
stail-SHXI/1200-2	LED 5500 840	129	43	vw	ED	1240 x 198 x 37	6031 2024 160	4,11
					DALI ¹⁾	1240 x 198 x 37	6031 2026 660	4,23
				wa	ED	1240 x 198 x 37	6031 2024 165	4,11
					DALI ¹⁾	1240 x 198 x 37	6031 2026 665	4,23
stail-SHXI/1500-2	LED 6800 840	134	50	vw	ED	1540 x 198 x 37	6031 4024 160	4,81
					DALI ¹⁾	1540 x 198 x 37	6031 4026 660	4,93
					DALI LC01S ²⁾	1540 x 198 x 37	6031 4028 860	5,00
				wa	ED	1540 x 198 x 37	6031 4024 165	4,81
					DALI ¹⁾	1540 x 198 x 37	6031 4026 665	4,93
					DALI LC01S ²⁾	1540 x 198 x 37	6031 4028 865	5,00
<i>Micro-parabolic louvre, silky matt direct/indirect distribution equipped for light run installation</i>								
stail-SHLXI/1200-2	LED 5500 840	129	43	vw	ED	1240 x 198 x 37	6033 2024 160	4,11
					DALI ¹⁾	1240 x 198 x 37	6033 2026 660	4,23
				wa	ED	1240 x 198 x 37	6033 2024 165	4,11
					DALI ¹⁾	1240 x 198 x 37	6033 2026 665	4,23
stail-SHLXI/1500-2	LED 6800 840	134	50	vw	ED	1540 x 198 x 37	6033 4024 160	4,81
					DALI ¹⁾	1540 x 198 x 37	6033 4026 660	4,93
					DALI LC01S ²⁾	1540 x 198 x 37	6033 4028 860	5,45
				wa	ED	1540 x 198 x 37	6033 4024 165	4,81
					DALI ¹⁾	1540 x 198 x 37	6033 4026 665	4,93
					DALI LC01S ²⁾	1540 x 198 x 37	6033 4028 865	5,45

¹⁾ : Luminaires suitable for IoT (Internet of Things)

²⁾ : Luminaires with sensors

Accessories

Type	Colour	Material	Details	Art. no.	kg	
<i>Electrical technology</i>						
Through-wiring cable	stail -DV -3G 710 ws	H05VV-F	3x0.75 mm ² for stail SHL.	6033 9003 100	1 0,21	
	stail -DV -5G 800 ws	H05VV-F	5x0.75 mm ² for stail SHL.	6033 9005 100	1 0,22	
<i>Mounting</i>						
Complete suspension set 3x0,75	SAYE-PS 190 vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable, for stail SHL. LED light run	9121 0023 121	1 0,31	
	sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable, for stail SHL. LED light run	9121 0023 135	1 0,31	
SAYE-PS 190 5x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable, for stail SHL. LED light run	9121 0025 121	1 0,36	
	sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable, for stail SHL. LED light run	9121 0025 135	1 0,36	
SAYE-PS-LC01C 190 5x0,75	vw	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for stail SHL. LED light run	9121 0125 121	1 0,60	
	sg	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for stail SHL. LED light run	9121 0125 135	1 0,60	
Y-wire suspension SAY -PS 190	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stail individual luminaires LED/T5 and light run luminaires T5	9141 0020 101	1 0,19	
	sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stail individual luminaires LED/T5 and light run luminaires T5	9141 0020 105	1 0,19	
SAY -DZ 190	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=190mm for stail light run	9161 9020 105	1 0,07	
<i>Structure</i>						
Luminaire connector	stail -SV 100	vw	St	for stail	6030 1000 100	1 0,18
	stail -SV 100	wa	St	for stail	6030 1000 105	1 1,00

stail T5



►60



►81

Products

Type	Lamps	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	
<i>Micro-prismatic diffuser direct/indirect distribution</i>							
stail-SHPI	T5 1x28/54W	30	vw	ECG	1240 x 198 x 37	6030 1944 190	3,50
			wa	ECG	1240 x 198 x 37	6030 1944 195	3,50
	T5 1x35/49/80W	38	vw	ECG	1540 x 198 x 37	6030 1954 190	4,00
			wa	ECG	1540 x 198 x 37	6030 1954 195	4,00
	T5 2x28/54W	60	vw	ECG	1240 x 198 x 37	6030 2944 190	3,90
		116	wa	ECG	1240 x 198 x 37	6030 2944 195	3,90
	T5 2x35/49W	76	vw	ECG	1540 x 198 x 37	6030 2964 190	4,00
			wa	ECG	1540 x 198 x 37	6030 2964 195	4,00
<i>Micro-parabolic louvre, highly specular direct/indirect distribution</i>							
stail-SHDI	T5 1x28/54W	58	vw	ECG	1240 x 151 x 37	6030 1944 170	3,50
			wa	ECG	1240 x 151 x 37	6030 1944 175	3,50
	T5 1x35/49/80W	52	vw	ECG	1540 x 151 x 37	6030 1954 170	4,00
			wa	ECG	1540 x 151 x 37	6030 1954 175	4,00
	T5 2x28/54W	116	vw	ECG	1240 x 198 x 37	6030 2944 170	3,90
			wa	ECG	1240 x 198 x 37	6030 2944 175	3,90
	T5 2x35/49W	104	vw	ECG	1540 x 198 x 37	6030 2964 170	4,40
			wa	ECG	1540 x 198 x 37	6030 2964 175	4,40
<i>Micro-parabolic louvre, silky matt direct/indirect distribution</i>							
stail-SHXI	T5 1x28/54W	58	vw	ECG	1240 x 151 x 37	6030 1944 160	3,50
			wa	ECG	1240 x 151 x 37	6030 1944 165	3,50
	T5 1x35/49/80W	52	vw	ECG	1540 x 151 x 37	6030 1954 160	4,00
			wa	ECG	1540 x 151 x 37	6030 1954 165	4,00
	T5 2x28/54W	116	vw	ECG	1240 x 198 x 37	6030 2944 160	3,90
			wa	ECG	1240 x 198 x 37	6030 2944 165	3,90
	T5 2x35/49W	104	vw	ECG	1540 x 198 x 37	6030 2964 160	4,40
			wa	ECG	1540 x 198 x 37	6030 2964 165	4,40

Accessories

Type	Colour	Material	Details	Art. no.		
<i>Mounting</i>						
Y-wire suspension	SAY -PS 190	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stail individual luminaires LED/T5 and light run luminaires T5	9141 0020 101	1 0,19
		wa	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stail individual luminaires LED/T5 and light run luminaires T5	9141 0020 105	1 0,19
	SAY -DZ 190	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=190mm for stail light run	9161 9020 105	1 0,07
<i>Structure</i>						
Luminaire connector	stail -SV 100	vw	St	for stail	6030 1000 100	1 0,18
	stail -SV 100	wa	St	for stail	6030 1000 105	1 1,00







hokal



hokal – universal light run system

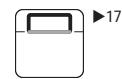
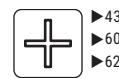
- Light run channel and suspended luminaire LED and T5
- Optionally with micro-parabolic louvre or opal diffuser
- Sheet steel housing with attachable die-cast end faces
- With visually continuous louvres in light run installations
- VDU workstation suitable according to DIN-EN 12464-1
- Surface-mounted and recessed luminaires



Type overview

- ▶ HLHIG Diffuser, satined direct/indirect distribution
- ▶ HLHIX Micro-parabolic louvre, silky matt direct/indirect distribution
- ▶ HLHG Diffuser, satined direct distribution
- ▶ HLHD Micro-parabolic louvre, highly specular direct distribution
- ▶ HLHID Micro-parabolic louvre, highly specular direct/indirect distribution
- ▶ HLHX Micro-parabolic louvre, silky matt direct distribution

hokal LED



LED A++ A+ 1000 19 F □ CE IP 20

Mounting:

- Suspended

Housing:

- Sheet steel housing

Lighting technology HLHIG:

- Diffuser, satinized; PC plastic
- Lighting characteristic direct/indirect distribution

Lighting technology HLHIX:

- Micro-parabolic louvre, silky matt MIRO-SILVER ®
- Lighting characteristic direct/indirect distribution
- Suitable for VDU workstations, $65^\circ < 1000 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

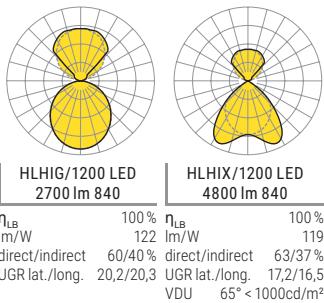
Switching:

- 1 Controller
- Electronic driver
- 230V 50Hz

Accessories:

- The end faces and the suspension set SAYE-PS must be ordered separately for individual luminaires; for light run installation the end faces and the suspension set SAYE-PS must be ordered separately, plus one luminaire connector hokal-HLV and one suspension SAY-DZ per luminaire joint

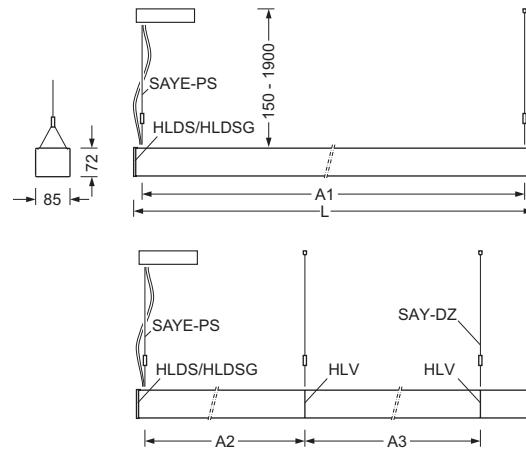
hokal-HLHIG LED ... sg

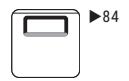
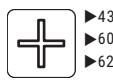


Luminaires are supplied with open ends. End faces and connectors must be ordered separately.

Dimensions

Type	Versions	LxBxH/DxH	A1	A2	A3	P min/max
HLH./1200	LED	1176 x 85 x 72	1100	1138	1176	150 - 1900 mm
HLH./1500	LED	1476 x 85 x 72	1400	1438	1476	150 - 1900 mm





hokal-HLHIX LED ... vw



Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Diffuser, satined direct/indirect distribution</i>								
hokal-HLHIG/1200	LED 2700 840	122	22	vw	ED	1176 x 85 x 72	6051 1024 180	3,20
					DALI ¹⁾	1176 x 85 x 72	6051 1026 680	3,20
				sg	ED	1176 x 85 x 72	6051 1024 185	3,20
					DALI ¹⁾	1176 x 85 x 72	6051 1026 685	3,20
hokal-HLHIG/1500	LED 3500 840	116	30	vw	ED	1476 x 85 x 72	6051 3024 180	3,80
					DALI ¹⁾	1476 x 85 x 72	6051 3026 680	3,80
				sg	ED	1476 x 85 x 72	6051 3024 185	3,80
					DALI ¹⁾	1476 x 85 x 72	6051 3026 685	3,70
<i>Micro-parabolic louvre, silky matt direct/indirect distribution</i>								
hokal-HLHIX/1200	LED 4800 840	119	40	vw	ED	1176 x 85 x 72	6051 1024 160	3,20
					DALI ¹⁾	1176 x 85 x 72	6051 1026 660	3,20
				sg	ED	1176 x 85 x 72	6051 1024 165	3,20
					DALI ¹⁾	1176 x 85 x 72	6051 1026 665	3,20
hokal-HLHIX/1500	LED 5400 840	118	46	vw	ED	1476 x 85 x 72	6051 3024 160	3,80
					DALI ¹⁾	1476 x 85 x 72	6051 3026 660	3,80
				sg	ED	1476 x 85 x 72	6051 3024 165	3,80
					DALI ¹⁾	1476 x 85 x 72	6051 3026 665	3,80

¹⁾ IoT: Luminaires suitable for IoT (Internet of Things)

hokal T5

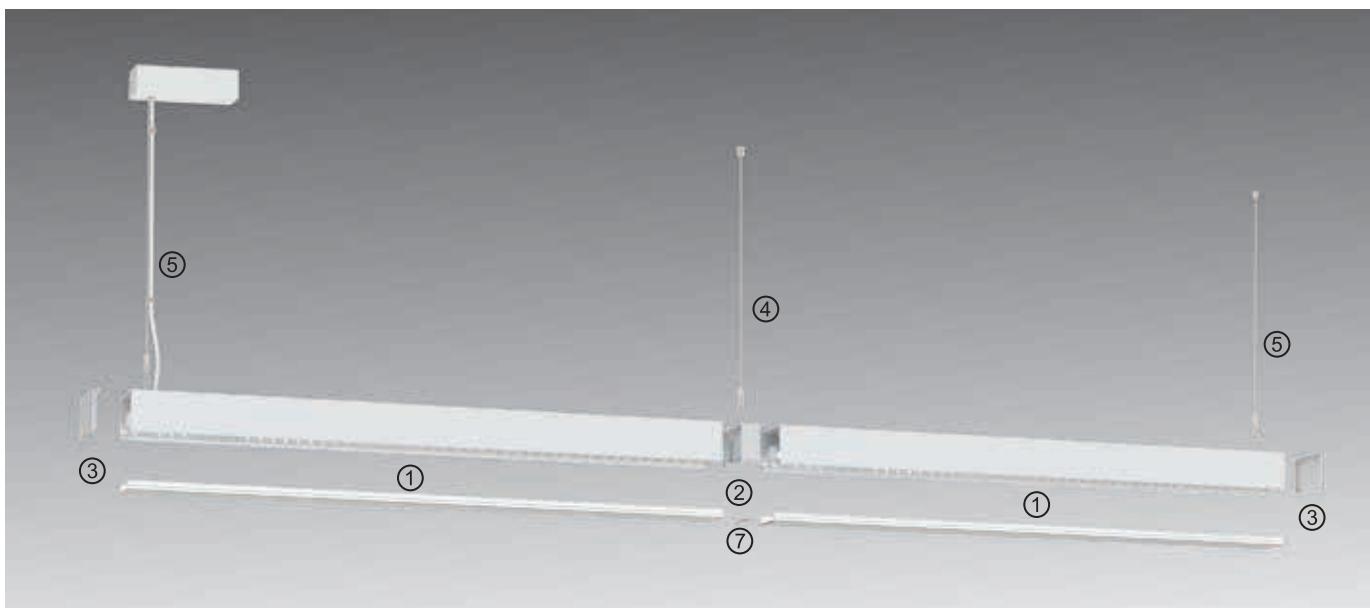


Products

Type	Lamps	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	
<i>Diffuser, satinized direct distribution</i>							
hokal-HLHG	T5 1x28/54W	58	vw	ECG	1176 x 85 x 72	6053 1944 180	2,56
			vw	DALI ¹⁾	1176 x 85 x 72	6053 1946 680	2,56
			sg	ECG	1176 x 85 x 72	6053 1944 185	2,56
			sg	DALI ¹⁾	1176 x 85 x 72	6053 1946 685	2,56
	T5 1x35/49/80W	52	vw	ECG	1476 x 85 x 72	6053 1954 180	3,11
			vw	DALI ¹⁾	1476 x 85 x 72	6053 1956 680	3,11
			sg	ECG	1476 x 85 x 72	6053 1954 185	3,11
			sg	DALI ¹⁾	1476 x 85 x 72	6053 1956 685	3,11
<i>Diffuser, satinized direct/indirect distribution</i>							
hokal-HLHIG	T5 1x28/54W	58	vw	ECG	1176 x 85 x 72	6051 1944 180	2,93
			vw	DALI ¹⁾	1176 x 85 x 72	6051 1946 680	2,93
			sg	ECG	1176 x 85 x 72	6051 1944 185	2,93
			sg	DALI ¹⁾	1176 x 85 x 72	6051 1946 685	2,93
	T5 1x35/49/80W	52	vw	ECG	1476 x 85 x 72	6051 1954 180	3,51
			vw	DALI ¹⁾	1476 x 85 x 72	6051 1956 680	3,51
			sg	ECG	1476 x 85 x 72	6051 1954 185	3,51
			sg	DALI ¹⁾	1476 x 85 x 72	6051 1956 685	3,51
<i>Micro-parabolic louvre, highly specular direct distribution</i>							
hokal-HLHD	T5 1x28/54W	58	vw	ECG	1176 x 85 x 72	6053 1944 170	2,54
			vw	DALI ¹⁾	1176 x 85 x 72	6053 1946 670	2,54
			sg	ECG	1176 x 85 x 72	6053 1944 175	2,54
			sg	DALI ¹⁾	1176 x 85 x 72	6053 1946 675	2,54
	T5 1x35/49/80W	52	vw	ECG	1476 x 85 x 72	6053 1954 170	3,09
			vw	DALI ¹⁾	1476 x 85 x 72	6053 1956 670	3,09
			sg	ECG	1476 x 85 x 72	6053 1954 175	3,09
			sg	DALI ¹⁾	1476 x 85 x 72	6053 1956 675	3,09
<i>Micro-parabolic louvre, highly specular direct/indirect distribution</i>							
hokal-HLHID	T5 1x28/54W	58	vw	ECG	1176 x 85 x 72	6051 1944 170	2,91
			vw	DALI ¹⁾	1176 x 85 x 72	6051 1946 670	2,91
			sg	ECG	1176 x 85 x 72	6051 1944 175	2,91
			sg	DALI ¹⁾	1176 x 85 x 72	6051 1946 675	2,91
	T5 1x35/49/80W	52	vw	ECG	1476 x 85 x 72	6051 1954 170	3,49
			vw	DALI ¹⁾	1476 x 85 x 72	6051 1956 670	3,49
			sg	ECG	1476 x 85 x 72	6051 1954 175	3,49
			sg	DALI ¹⁾	1476 x 85 x 72	6051 1956 675	3,49
<i>Micro-parabolic louvre, silky matt direct distribution</i>							
hokal-HLHX	T5 1x28/54W	58	vw	ECG	1176 x 85 x 72	6053 1944 160	2,54
			vw	DALI ¹⁾	1176 x 85 x 72	6053 1946 660	2,54
			sg	ECG	1176 x 85 x 72	6053 1944 165	2,54
			sg	DALI ¹⁾	1176 x 85 x 72	6053 1946 665	2,54
	T5 1x35/49/80W	52	vw	ECG	1476 x 85 x 72	6053 1954 160	3,09
			vw	DALI ¹⁾	1476 x 85 x 72	6053 1956 660	3,09
			sg	ECG	1476 x 85 x 72	6053 1954 165	3,09
			sg	DALI ¹⁾	1476 x 85 x 72	6053 1956 665	3,09
<i>Micro-parabolic louvre, silky matt direct/indirect distribution</i>							
hokal-HLHIX	T5 1x28/54W	58	vw	ECG	1176 x 85 x 72	6051 1944 160	2,91
			vw	DALI ¹⁾	1176 x 85 x 72	6051 1946 660	2,91
			sg	ECG	1176 x 85 x 72	6051 1944 165	2,91
			sg	DALI ¹⁾	1176 x 85 x 72	6051 1946 665	2,91
	T5 1x35/49/80W	52	vw	ECG	1476 x 85 x 72	6051 1954 160	3,49
			vw	DALI ¹⁾	1476 x 85 x 72	6051 1956 660	3,49
			sg	ECG	1476 x 85 x 72	6051 1954 165	3,49
			sg	DALI ¹⁾	1476 x 85 x 72	6051 1956 665	3,49

¹⁾ Luminaires suitable for IoT (Internet of Things)

hokal suspended luminaire accessories



① hokal with FLVWR through-wiring

② Luminaire connector HLV

③ Luminaire end faces set HLDS or HLDG

④ Luminaire suspension SAY-DZ

⑤ Complete suspension set SAY-PS (incl. 1 x SAY-DZ)

⑦ Diffuser connector protection strip GSL

Accessories

	Type	Colour	Material	Details	Art. no.		
<i>Design</i>							
Diffuser connector	GSL -1	tz	PC	Protection strip for 1/.. hokal-HL..G, procube CU..G	8460 1001 100	1	0,06
End faces	hokal -HLDS -1	vw	Al	for hokal-HLA.., hokal-HLH..	6058 1015 100	2	0,12
		sg	Al	for hokal-HLA.., hokal-HLH..	6058 1015 105	2	0,12
	hokal -HLDG -1	vw	Al	for hokal-HLAG T5 1x..,-1 LED; hokal-HLHG. T5 1x..,-1 LED	6058 1025 100	2	0,12
		sg	Al	for hokal-HLAG T5 1x..,-1 LED; hokal-HLHG. T5 1x..,-1 LED	6058 1025 105	2	0,12
<i>Electrical technology</i>							
Through-wiring cable FLVWR 1500	ws	H05V2-U		5x1.5mm ² for light run-capable LED/T5/T8 surface-mounted and suspended luminaires (ECG versions)	1945 1580 100	1	0,16
<i>Protection</i>							
Protective cover IP20 HLIA-1 28/54		tp	Polymer	for hokal-HLHI.	6051 1940 100	1	0,16
HLIA-1 35/49/80 tp			Polymer	for hokal-HLHI.	6051 1950 100	1	0,20
<i>Mounting</i>							
Complete suspension set	SAYE-PS 120 3x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0023 121	1	0,30
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0023 135	1	0,30
	SAYE-PS 120 5x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0025 121	1	0,35
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0025 135	1	0,35
Y-wire suspension	SAY -DZ 120	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=120mm (e.g. light run installation), for hokal, procube, cubus LED/T5	9163 9020 105	1	0,06
Tool	SH 30	sw	Polymer	Suction holder, d=30mm for smooth diffuser covers, narrow design	9203 0030 100	1	0,06
	SH 55	sw	Polymer	Suction holder, d=55mm for smooth diffuser covers, broad design	9203 0065 100	1	0,08
<i>Structure</i>							
Luminaire connector	hokal -HLV -1	vw	St	for hokal HLH, HLA	6058 1000 100	1	0,13





procube



procube – micro luminaire for lighting landscapes

- Light run suspended luminaire with fittings for lighting design schemes
- Optionally with micro-parabolic louvre and diffuser technology
- Master luminaires for daylight linking with presence monitoring
- With visually continuous louvres in light run installations
- Also available as surface-mounted luminaire



Type overview

- ▶ CUHX Micro-parabolic louvre, silky matt direct distribution
- ▶ CUHIG Diffuser, satined direct/indirect distribution
- ▶ CUHID Micro-parabolic louvre, highly specular direct/indirect distribution
- ▶ CUHIX Micro-parabolic louvre, silky matt direct/indirect distribution

procube LED



LED A++ 1500 F CE IP 20

Mounting:

- Suspended

Housing:

- Sheet steel housing

Lighting technology CUHX:

- Micro-parabolic louvre, silky matt MIRO-SILVER ®
- Lighting characteristic direct distribution
- Suitable for VDU workstations, $65^\circ < 1500 \text{ cd/m}^2$

Lamp:

- LED 50000h L80/B10
- CRI $\geq 80 / 4000\text{K}$

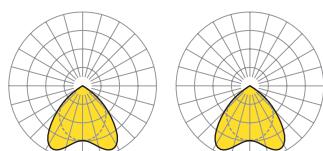
Switching:

- 1 Controller
- Electronic driver
- 230V 50Hz

Accessories:

- The end faces and the suspension set SAYE-PS must be ordered separately for individual luminaires; for light run installation the end faces and the suspension set SAYE-PS must be ordered separately, plus one luminaire connector CUV. and one suspension SAY-DZ per luminaire joint

procube-CUHX LED 1x ... vw



CUHX/1200-1 LED
3400 lm 840

CUHX/1500-1 LED
4300 lm 840

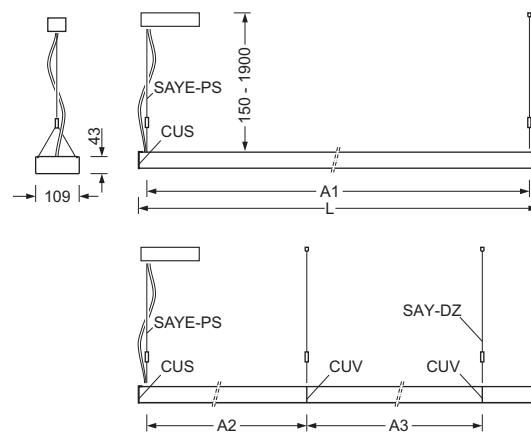
η_{LB} lm/W	100 %	η_{LB} lm/W	100 %
direct/indirect	100/0 %	direct/indirect	100/0 %
UGR lat./long.	20,9/20,2	UGR lat./long.	20,9/20,1
VDU	$65^\circ < 1500 \text{ cd/m}^2$	VDU	$65^\circ < 1500 \text{ cd/m}^2$



Luminaires are supplied with open ends. End faces and connectors must be ordered separately.

Dimensions

Type	Versions	LxBxH/DxH	A1	A2	A3	P min/max
CUH./1200-1 LED		1179 x 109 x 43	1076	1126	1176	150 - 1900 mm
CUH./1500-1 LED		1479 x 109 x 43	1376	1426	1476	150 - 1900 mm



Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Micro-parabolic louvre, silky matt direct distribution</i>								
procube-CUHX/1200-1	LED 3400 840	120	28	vw	ED	1179 x 109 x 43	6043 1024 160	2,85
			DALI ¹⁾			1179 x 109 x 43	6043 1026 660	2,92
<i>procube-CUHX/1500-1</i>								
procube-CUHX/1500-1	LED 4300 840	120	36	vw	ED	1479 x 109 x 43	6043 3024 160	3,29
			DALI ¹⁾			1479 x 109 x 43	6043 3026 660	3,36

¹⁾ IoT: Luminaires suitable for IoT (Internet of Things)



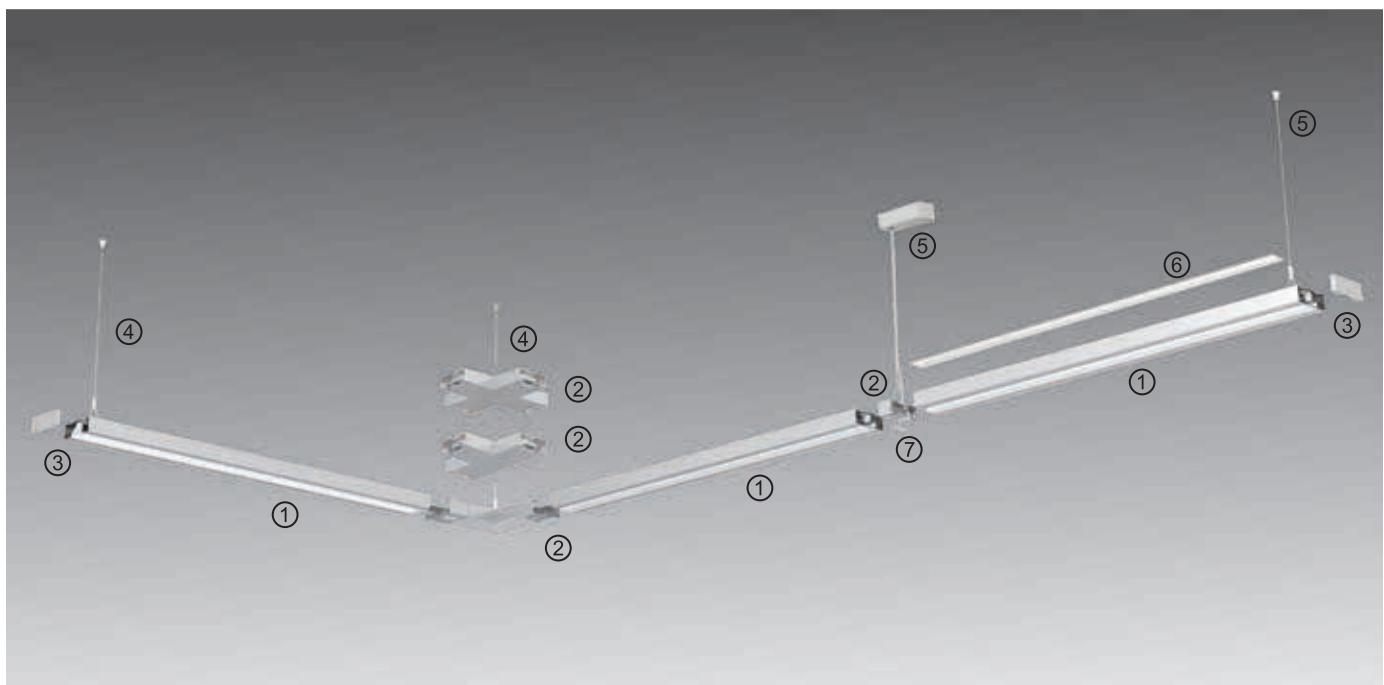
Products

Type	Lamps	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Diffuser, satinied direct/indirect distribution</i>							
procube-CUHIG	T5 1x28/54W	58	vw	ECG	1179 x 109 x 43	6041 1944 180	2,10
			vw	DALI ¹⁾	1179 x 109 x 43	6041 1946 680	2,10
			sg	ECG	1179 x 109 x 43	6041 1944 185	2,10
			sg	DALI ¹⁾	1179 x 109 x 43	6041 1946 685	2,10
	T5 1x35/49/80W	52	vw	ECG	1479 x 109 x 43	6041 1954 180	2,40
			vw	DALI ¹⁾	1479 x 109 x 43	6041 1956 680	2,40
			sg	ECG	1479 x 109 x 43	6041 1954 185	2,40
			sg	DALI ¹⁾	1479 x 109 x 43	6041 1956 685	2,40
	T5 1x49W	52	vw	ECG EM-B3 ²⁾	1479 x 109 x 43	6041 1497 780	3,00
	T5 2x28/54W	116	vw	ECG	1179 x 161 x 43	6041 2944 180	2,60
			vw	DALI ¹⁾	1179 x 161 x 43	6041 2946 680	2,60
			sg	ECG	1179 x 161 x 43	6041 2944 185	2,60
			sg	DALI ¹⁾	1179 x 161 x 43	6041 2946 685	2,60
	T5 2x35/49/80W	104	vw	ECG	1479 x 161 x 43	6041 2954 180	3,10
			vw	DALI ¹⁾	1479 x 161 x 43	6041 2956 680	3,10
			sg	ECG	1479 x 161 x 43	6041 2954 185	3,10
			sg	DALI ¹⁾	1479 x 161 x 43	6041 2956 685	3,10
	T5 2x49W	104	vw	ECG EM-B3 ²⁾	1479 x 161 x 43	6041 2497 780	3,70
<i>Micro-parabolic louvre, highly specular direct/indirect distribution</i>							
procube-CUHID	T5 1x28/54W	58	vw	ECG	1179 x 109 x 43	6041 1944 170	2,10
			vw	DALI ¹⁾	1179 x 109 x 43	6041 1946 670	2,10
			sg	ECG	1179 x 109 x 43	6041 1944 175	2,10
			sg	DALI ¹⁾	1179 x 109 x 43	6041 1946 675	2,10
	T5 1x35/49/80W	52	vw	ECG	1479 x 109 x 43	6041 1954 170	2,40
			vw	DALI ¹⁾	1479 x 109 x 43	6041 1956 670	2,40
			sg	ECG	1479 x 109 x 43	6041 1954 175	2,40
			sg	DALI ¹⁾	1479 x 109 x 43	6041 1956 675	2,40
	T5 1x49W	52	vw	ECG EM-B3 ²⁾	1479 x 109 x 43	6041 1497 770	3,00
	T5 2x28/54W	116	vw	ECG	1179 x 161 x 43	6041 2944 170	2,60
			vw	DALI ¹⁾	1179 x 161 x 43	6041 2946 670	2,60
			sg	ECG	1179 x 161 x 43	6041 2944 175	2,60
			sg	DALI ¹⁾	1179 x 161 x 43	6041 2946 675	2,60
	T5 2x35/49/80W	104	vw	ECG	1479 x 161 x 43	6041 2954 170	3,10
			vw	DALI ¹⁾	1479 x 161 x 43	6041 2956 670	3,10
			sg	ECG	1479 x 161 x 43	6041 2954 175	3,10
			sg	DALI ¹⁾	1479 x 161 x 43	6041 2956 675	3,10
	T5 2x49W	104	vw	ECG EM-B3 ²⁾	1479 x 161 x 43	6041 2497 770	3,70
<i>Micro-parabolic louvre, silky matt direct/indirect distribution</i>							
procube-CUHIX	T5 1x28/54W	58	vw	ECG	1179 x 109 x 43	6041 1944 160	2,10
			vw	DALI ¹⁾	1179 x 109 x 43	6041 1946 660	2,10
			sg	ECG	1179 x 109 x 43	6041 1944 165	2,10
			sg	DALI ¹⁾	1179 x 109 x 43	6041 1946 665	2,10
	T5 1x35/49/80W	52	vw	ECG	1479 x 109 x 43	6041 1954 160	2,40
			vw	DALI ¹⁾	1479 x 109 x 43	6041 1956 660	2,40
			sg	ECG	1479 x 109 x 43	6041 1954 165	2,40
			sg	DALI ¹⁾	1479 x 109 x 43	6041 1956 665	2,40
	T5 1x49W	52	vw	ECG EM-B3 ²⁾	1479 x 109 x 43	6041 1497 760	3,00
	T5 2x28/54W	116	vw	ECG	1179 x 161 x 43	6041 2944 160	2,60
			vw	DALI ¹⁾	1179 x 161 x 43	6041 2946 660	2,60
			sg	ECG	1179 x 161 x 43	6041 2944 165	2,60
			sg	DALI ¹⁾	1179 x 161 x 43	6041 2946 665	2,60
	T5 2x35/49/80W	104	vw	ECG	1479 x 161 x 43	6041 2954 160	3,10
			vw	DALI ¹⁾	1479 x 161 x 43	6041 2956 660	3,10
			sg	ECG	1479 x 161 x 43	6041 2954 165	3,10
			sg	DALI ¹⁾	1479 x 161 x 43	6041 2956 665	3,10
	T5 2x49W	104	vw	ECG EM-B3 ²⁾	1479 x 161 x 43	6041 2497 760	3,70

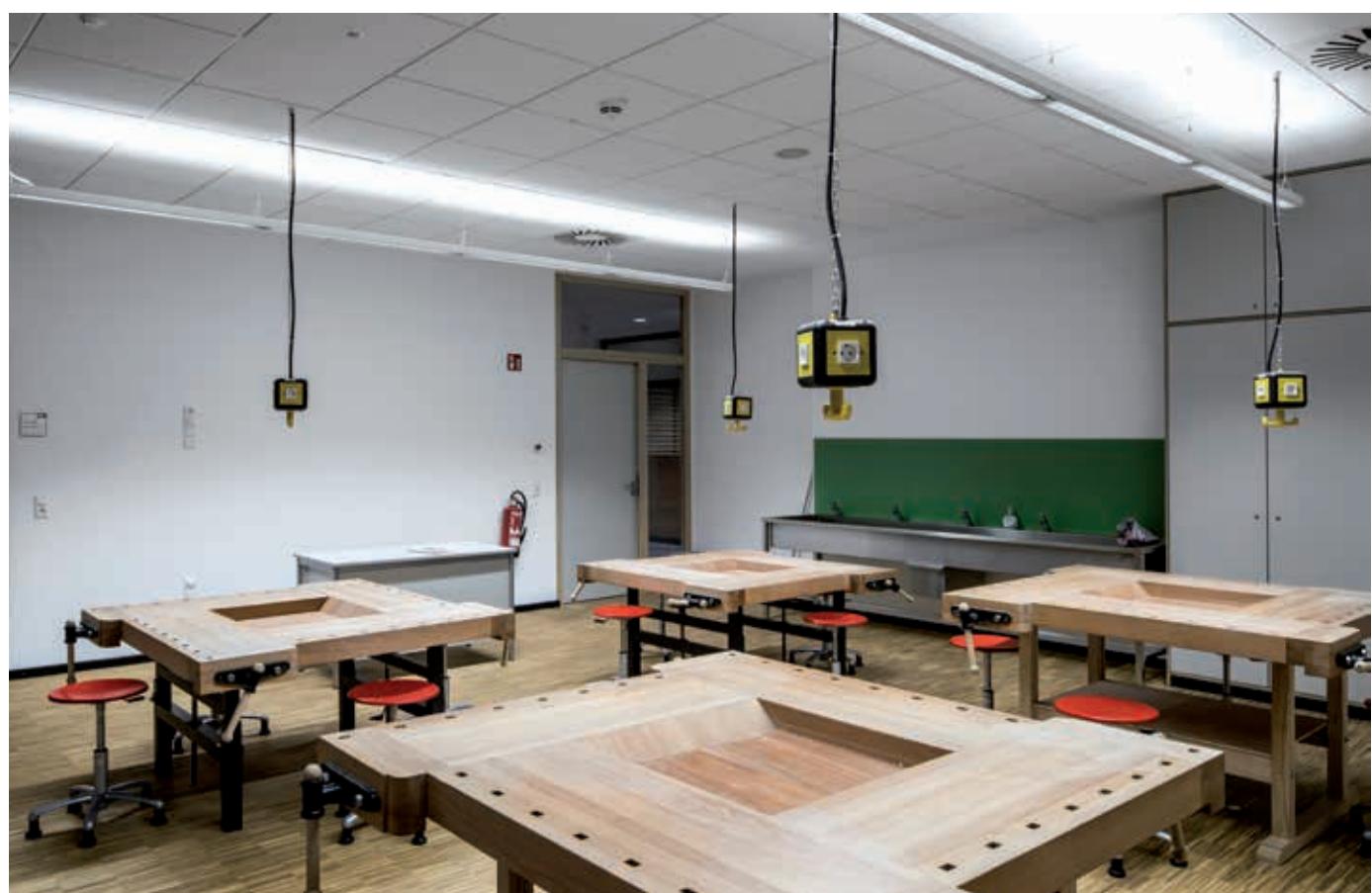
¹⁾ : Luminaires suitable for IoT (Internet of Things)

²⁾ : Luminaires with emergency light unit single battery 3h

procube suspended luminaire accessories



- ① procube with FLVWR through-wiring
- ② Luminaire connectors – straight, L, T and X shapes
- ③ Luminaire end faces set CUS
- ④ Luminaire suspension SAY-DZ
- ⑤ Complete suspension set SAY-PS (incl. 1 x SAY-DZ)
- ⑥ Transparent cover for the indirect lighting component CUIA
- ⑦ Diffuser connector protection strip GSL





Accessories

	Type	Colour	Material	Details	Art. no.		
Design							
Diffuser connector	GSL -1	tz	PC	Protection strip for 1/.. hokal-HL..G, procube CU..G	8460 1001 100	1	0,06
	GSL -2	tz	PC	Protection strip for 2/.. hokal-HL..G, procube CU..G	8460 1002 100	1	0,06
End faces	procube -CUS -1	vw	St	for procube CUA. T5 1x.../-1 LED, CUAWF-1 LED	6049 1005 100	2	0,20
		sg	St	for procube CUA. T5 1x.../-1 LED, CUAWF-1 LED	6049 1005 105	2	0,20
	procube -CUS -2	vw	St	for procube CUA. T5 2x.../-2 LED, CUAWF T5 1x...	6049 2005 100	2	0,33
		sg	St	for procube CUA. T5 2x.../-2 LED, CUAWF T5 1x...	6049 2005 105	2	0,33
Electrical technology							
Through-wiring cable	FLVWR 1500	ws	H05V2-U	5x1.5mm ² for light run-capable LED/T5/T8 surface-mounted and suspended luminaires (ECG versions)	1945 1580 100	1	0,16
Protection							
Protective cover IP20	CUIA-1 28/54	tp	Polymer	for procube-CUHI. 1x 28/54	6049 1940 100	1	0,15
	CUIA-1 35/49/80	tp	Polymer	for procube-CUHI. 1x 35/49/80	6049 1950 100	1	0,19
	CUIA-2 28/54	tp	Polymer	for procube-CUHI. 2x 28/54	6049 2940 100	1	0,21
Mounting							
Complete suspension set	SAYE-PS 120 3x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0023 121	1	0,30
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0023 135	1	0,30
	SAYE-PS 120 5x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0025 121	1	0,35
		sg	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0025 135	1	0,35
Y-wire suspension	SAY -DZ 120	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=120mm (e.g. light run installation), for hokal, procube, cubus LED/T5	9163 9020 105	1	0,06
Tool	SH 30	sw	Polymer	Suction holder, d=30mm for smooth diffuser covers, narrow design	9203 0030 100	1	0,06
	SH 55	sw	Polymer	Suction holder, d=55mm for smooth diffuser covers, broad design	9203 0065 100	1	0,08
Structure							
Luminaire connector	procube -CUV -1	vw	St	0° for procube T5 1x.., CUH.-1 LED	6049 1000 100	1	0,10
	procube -CUV -2	vw	St	0° for procube T5 2x.., CUH.-2 LED	6049 2000 100	1	0,12
	procube -CUVE -1	vw	St	L 90° for procube T5 1x..,-1 LED, incl. wiring	6049 1002 100	1	0,50
		sg	St	L 90° for procube T5 1x..,-1 LED, incl. wiring	6049 1002 105	1	0,50
	procube -CUVE -2	vw	St	L 90° for procube T5 2x..,-2 LED, incl. wiring	6049 2002 100	1	0,82
		sg	St	L 90° for procube T5 2x..,-2 LED, incl. wiring	6049 2002 105	1	0,82
	procube -CUVK -1	vw	St	X 90° for procube T5 1x..,-1 LED, incl. wiring	6049 1004 100	1	0,70
		sg	St	X 90° for procube T5 1x..,-1 LED, incl. wiring	6049 1004 105	1	0,70
	procube -CUVK -2	vw	St	X 90° for procube T5 2x..,-2 LED, incl. wiring	6049 2004 100	1	0,80
		sg	St	X 90° for procube T5 2x..,-2 LED, incl. wiring	6049 2004 105	1	0,80
	procube -CUVT -1	vw	St	T 90° for procube T5 1x..,-1 LED, incl. wiring	6049 1003 100	1	0,60
		sg	St	T 90° for procube T5 1x..,-1 LED, incl. wiring	6049 1003 105	1	0,60
	procube -CUVT -2	vw	St	T 90° for procube T5 2x..,-2 LED, incl. wiring	6049 2003 100	1	0,77
		sg	St	T 90° for procube T5 2x..,-2 LED, incl. wiring	6049 2003 105	1	0,79



cubus



cubus - diversity is the name of the game

- Light run-compatible, square-ended louvre luminaire
- Suitable for RE recessed luminaires
- Also available on request as master luminaires with Light Control components
- With visually continuous louvres in light run installation



Type overview

- ▶ RSAGHC Diffuser, satinized direct distribution
- ▶ RSAXHC Parabolic louvre, silky matt direct distribution
- ▶ RSADIC Parabolic louvre, highly specular direct/indirect distribution
- ▶ RSAXIC Parabolic louvre, silky matt direct/indirect distribution



cubus LED



►60

►62



►184

►188



►100

LED A++ 1000 19 F IP 20

Mounting:

- Suspended

Housing:

- Sheet steel housing, plastic end faces with integrated light run connector

Lighting technology RSAGHC:

- Diffuser, satinized; PC plastic
- Lighting characteristic direct distribution

Lighting technology RSAXHC:

- Parabolic louvre, silky matt; aluminium
- Lighting characteristic direct distribution
- Suitable for VDU workstations, $65^\circ < 1000 \text{ cd/m}^2$, UGR ≤ 19 in accordance with DIN-EN 12464-1

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

Switching:

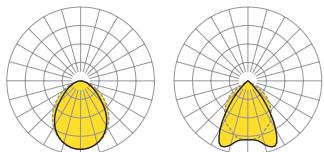
- 1 Controller
- Electronic driver
- 230V 50Hz

Accessories:

- The suspension set SAYE-PS must be ordered separately for individual luminaires; for light run installation the suspension set SAYE-PS must be ordered separately, plus one suspension bracket and one suspension SAY-DZ per luminaire joint.

cubus-RSAGHC LED

IoT

RSAGHC-1200 LED
2600 lm 840

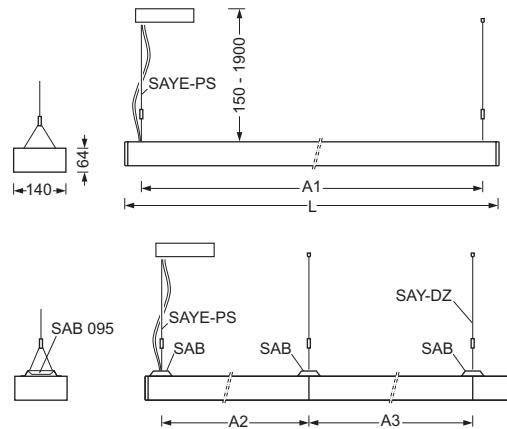
η_{LB} 100 % η_{LB} 100 %
lm/W 121 lm/W 147
direct/indirect 100/0% direct/indirect 100/0%
UGR lat./long. 20,8/22,6 UGR lat./long. 15,3/18,9
VDU 65° < 1000cd/m²

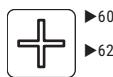


Luminaire connector integrated in luminaire for continuous louvre appearance. The SAB mounting bracket for suspension where luminaires abut must be ordered separately.

Dimensions

Type	Versions	LxBxH/DxH	A1	A2	A3	P min/max
RSA.-1200	LED	1188 x 140 x 64	1076	1126	1176	500 - 1900 mm
RSA.-1500	LED	1488 x 140 x 64	1376	1426	1476	500 - 1900 mm





►60

►62



►184

►188



►100



Products

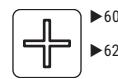
Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Diffuser, satinied direct distribution</i>								
cubus-RSAGHC-1200	LED 2600 840	121	21	vw	ED	1188 x 140 x 64	6524 0014 180	4,05
					DALI ¹⁾	1188 x 140 x 64	6524 0016 680	4,05
cubus-RSAGHC-1500	LED 3200 840	121	26	vw	ED	1488 x 140 x 64	6524 0024 180	4,64
					DALI ¹⁾	1488 x 140 x 64	6524 0026 680	4,64
<i>Parabolic louvre, silky matt direct distribution</i>								
cubus-RSAXHC-1200	LED 3100 840	147	21	vw	ED	1188 x 140 x 64	6524 0014 160	4,05
					DALI ¹⁾	1188 x 140 x 64	6524 0016 660	4,05
cubus-RSAXHC-1500	LED 3900 840	147	26	vw	ED	1488 x 140 x 64	6524 0024 160	4,64
					DALI ¹⁾	1488 x 140 x 64	6524 0026 660	4,64

¹⁾ IoT: Luminaires suitable for IoT (Internet of Things)

Accessories

Type	Colour	Material	Details	Art. no.	kg	
<i>Electrical technology</i>						
Through-wiring cable	FLVWR 1500	ws	H05V2-U 5x1.5mm ² for light run-capable LED/T5 surface-mounted and suspended luminaires (ECG versions)	1945 1580 100	1 0,16	
<i>Mounting</i>						
Complete suspension set	SAYE-PS 120 3x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0023 121	1 0,30
	SAYE-PS 120 5x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0025 121	1 0,35
Y-wire suspension	SAY -DZ 120	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=120mm (e.g. light run installation), for hokal, procube, cubus LED/T5	9163 9020 105	1 0,06
Suspension bracket	SAB 095	me	Inox	0° for T5 cubus	9591 5190 100	1 0,05
Tool	SH 55	sw	Polymer	Suction holder, d=55mm for smooth diffuser covers, broad design	9203 0065 100	1 0,08

cubus T5



►60

►62



►189



►102

Products

Type	Lamps	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Parabolic louvre, highly specular direct/indirect distribution</i>							
cubus-RSADIC	T5 1x28/54W	58	vw	ECG	1188 x 140 x 64	6514 1944 170	3,30
			vw	DALI ¹⁾	1188 x 140 x 64	6514 1946 670	2,96
	T5 1x35/49/80W	52	vw	ECG	1488 x 140 x 64	6514 1954 170	2,70
			vw	DALI ¹⁾	1488 x 140 x 64	6514 1956 670	3,63
cubus-RSAXIC	T5 2x35/49W	104	vw	ECG	1488 x 140 x 64	6514 2964 170	2,70
			vw	DALI ¹⁾	1488 x 140 x 64	6514 2966 670	2,70
<i>Parabolic louvre, silky matt direct/indirect distribution</i>							
cubus-RSAXIC	T5 1x28/54W	58	vw	ECG	1188 x 140 x 64	6514 1944 160	2,65
			vw	DALI ¹⁾	1188 x 140 x 64	6514 1946 660	2,65
	T5 1x35/49/80W	52	vw	ECG	1488 x 140 x 64	6514 1954 160	3,24
			vw	DALI ¹⁾	1488 x 140 x 64	6514 1956 660	3,24
cubus-RSAXIC	T5 2x35/49W	104	vw	ECG	1488 x 140 x 64	6514 2964 160	3,34
			vw	DALI ¹⁾	1488 x 140 x 64	6514 2966 660	3,34

¹⁾ : Luminaires suitable for IoT (Internet of Things)

Accessories

Type	Colour	Material	Details	Art. no.	kg	
<i>Electrical technology</i>						
Through-wiring cable	FLVWR 1500	ws	H05V2-U	5x1.5mm ² for light run-capable LED/T5 surface-mounted and suspended luminaires (ECG versions)	1945 1580 100	1 0,16
<i>Mounting</i>						
Complete suspension set	SAYE-PS 120 3x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0023 121	1 0,30
	SAYE-PS 120 5x0,75	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable, for hokal, procube, cubus LED/T5, lens basic	9123 0025 121	1 0,35
Y-wire suspension	SAY -DZ 120	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=120mm (e.g. light run installation), for hokal, procube, cubus LED/T5	9163 9020 105	1 0,06
Suspension bracket	SAB 095	me	Inox	0° for T5 cubus	9591 5190 100	1 0,05







peanut

peanut – transparent lightness

- Universal, organically shaped, plastic suspended luminaire
- Good maintenance factor due to protected lighting technology in IP55 housing
- Attractive ceiling brightening due to an all-round translucent housing
- Good glare control and suitable for multi use



Type overview

► corridor-HGI Diffuser, matt direct/indirect distribution



peanut LED



LED A++ F VV VV CE IP 55

Mounting:

- Suspended

Housing:

- Polycarbonate, injection-moulded, transparent

Lighting technology corridor-HGI:

- Diffuser, matt; PC plastic
- Lighting characteristic direct/indirect distribution

Lamp:

- LED 50000h L80/B10
- CRI ≥ 80 / 4000K

Switching:

- 1 Controller
- Electronic driver
- 230V 50Hz

Miscellaneous:

- Y-wire suspension with translucent silver grey connection cable and ceiling canopy included in the scope of delivery

peanut corridor-HGI



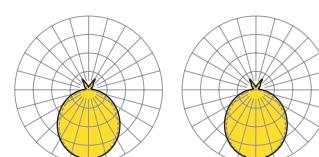
Tolerance adjustment is possible by sliding the fixing clips ± 40 mm.



Due to the material-free labyrinth seal the housing is transparent even around the joint.



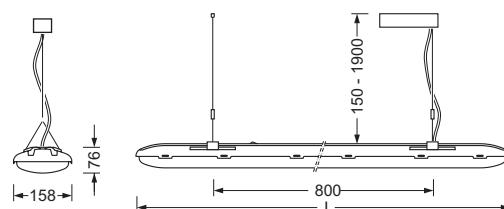
The diffuser is securely closed and opened at the intended points without clips.



corridor-HGI/1200	corridor-HGI/1500
LED 3800 lm 840	LED 4900 lm 840
η_{LB} lm/W	η_{LB} lm/W
100 % 141	100 % 140
direct/indirect 87/13 %	direct/indirect 87/13 %
UGR lat./long. 20,1/19,3	UGR lat./long. 20,2/19,5

Dimensions

Type	Versions	LxBxH/DxH	A1	P min/max
corridor-H./1200	LED	1260 x 158 x 76	800	150 - 1900 mm
corridor-H./1500	LED	1563 x 158 x 76	800	150 - 1900 mm



Products

Type	Lamps	lm/W	P _{Sys} [W]	Colour	Ballast	LxBxH/DxH	Art. no.	kg
<i>Diffuser, matt direct/indirect distribution</i>								
peanut corridor-HGI/1200	LED 3800 840	141	27	tz	ED	1260 x 158 x 76	5262 0044 180	2,48
					DALI ¹⁾	1260 x 158 x 76	5262 0046 680	2,48
peanut corridor-HGI/1500	LED 4900 840	140	35	tz	ED	1563 x 158 x 76	5262 0034 180	3,08
					DALI ¹⁾	1563 x 158 x 76	5262 0036 680	3,08
	LED 6300 840	133	47	tz	ED	1563 x 158 x 76	5262 0094 180	3,08
					DALI ¹⁾	1563 x 158 x 76	5262 0096 680	3,08

¹⁾ IoT: Luminaires suitable for IoT (Internet of Things)



Accessories for alternative suspension



Accessories

	Type	Colour	Material	Details	Art. no.	kg
<i>Electrical technology</i>						
Connection cable power	A-LTG 2300 3x0,75	tp	H03VV-F	I=2300mm, 3x0.75mm ² for suspended luminaires	9570 0237 130	1 0,12
		ws	H03VV-F	I=2300mm, 3x0.75mm ² for suspended luminaires	9570 0237 120	1 0,12
		ga	H03VV-F	I=2300mm, 3x0.75mm ² for suspended luminaires	9570 0237 110	1 0,12
	A-LTG 2300 5x0,75	tp	H03VV-F	I=2300mm, 5x0.75mm ² for suspended luminaires	9570 0257 130	1 0,19
		ws	H03VV-F	I=2300mm, 5x0.75mm ² for suspended luminaires	9570 0257 120	1 0,19
		ga	H03VV-F	I=2300mm, 5x0.75mm ² for suspended luminaires	9570 0257 110	1 0,19
Light Control	LC-PE EnOcean MFB4K	sw	Polymer	EnOcean mini handheld transmitter	8450 7007 100	1 0,08
	LC-RX direct:LC-Taster 2W	ws		wall transmitter, 2 channels	8450 6009 207	1 0,15
	LC-RX direct:LC-Taster 4W	ws		wall transmitter, 4 channels	8450 6009 205	1 0,15
<i>Mounting</i>						
Y-wire suspension	SAY -PS 120	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=120mm, without connection cable	9143 0020 101	1 0,18
		wa	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=120mm, without connection cable	9143 0020 105	1 0,18
	SAY -PS 190	vw	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stall individual luminaires LED/T5 and light run luminaires T5	9141 0020 101	1 0,19
		wa	Mix	Rectangular canopy L=160mm, metal ceiling cylinder, wire D=1.2mm L=1900mm, 2 cross-spans L=190mm, without connection cable, for stall individual luminaires LED/T5 and light run luminaires T5	9141 0020 105	1 0,19
	SAY -DZ 120	me	Mix	Metal ceiling cylinder, wire D=1.2mm L=1900mm, cross-span L=120mm (e.g. light run installation), for hokal, procube, cubus LED/T5	9163 9020 105	1 0,06
Chain suspension	KK	me	St	Node chain I=30m, for SDT, SDT Basic, ATS, suspended luminaires	9282 9300 100	1 4,60



Accessories for DALI/master luminaires

SAYE-PS vw



SAYE-PS wa



System solution with Bluetooth technology

Wire suspension with control unit, set with integrated LC-OM DALIECO BT controller to control up to 32 DALI suspended luminaires DT6 or DT8. Suitable for LC01S

luminaires with integrated LC-OM DALI LS/PD LI sensor. Operation and configuration via the Osram BT control app (can be downloaded from app stores).



Type	Colour	Material	Details	Art. no.		
<i>Complete suspension set Y-wire</i>						
SAYE-PS-LC01C 120 5x0,75	Mix		Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for hokal, procube, cubus LED/T5, lens basic	9123 0125 121	1	0,60
	sg	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for hokal, procube, cubus LED/T5, lens basic	9123 0125 135	1	0,60
<i>Complete suspension set Y-wire</i>						
SAYE-PS-LC01C 190 5x0,75	Mix		Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for stail SHL. LED light run	9121 0125 121	1	0,60
	sg	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable with DALIECO BT controller for DALI DT6, DT8 and master luminaires LC01S, for stail SHL. LED light run	9121 0125 135	1	0,60

System solution wireless with EnOcean technology

Wire suspension with control unit, set with integrated Regiolux direct:LC EnOcean controller to control up to 15 DALI suspended luminaires DT6 or DT8. Must be programmed using the Regiolux direct:LC-App software.



Type	Colour	Material	Details	Art. no.		
<i>Complete suspension set Y-wire</i>						
SAYE-PS-LC04 120 5x0,75	Mix		Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable with EnOcean direct:LC controller for DALI DT6, DT8, for hokal, procube, cubus LED/T5, lens basic	9123 0425 121	1	0,60
	sg	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable with EnOcean direct:LC cont- roller for DALI DT6, DT8, for hokal, procube, cubus LED/T5, lens basic	9123 0425 135	1	0,60
<i>Complete suspension set Y-wire</i>						
SAYE-PS-LC04 190 5x0,75	Mix		Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable with EnOcean direct:LC controller for DALI DT6, DT8, for stail SHL. LED light run	9121 0425 121	1	0,60
	sg	Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable with EnOcean direct:LC cont- roller for DALI DT6, DT8, for stail SHL. LED light run	9121 0425 135	1	0,60



System solution wireless with EnOcean technology

Wire suspension with control unit, set with integrated 1-channel EnOcean radio receiver for button dim control one DALI suspended luminaire.



Type	Colour	Material	Details	Art. no.		
<i>Complete suspension set Y-wire</i>						
SAYE-PS-LC05 120 5x0,75	vw sg	Mix Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable with EnOcean wireless receiver for DALI button dim control, for hokal, procube, cubus LED/T5, lens basic Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable with EnOcean wireless receiver for DALI button dim control, for hokal, procube, cubus LED/T5, lens basic	9123 0525 121 9123 0525 135	1 1	0,60 0,60
SAYE-PS-LC05 190 5x0,75	vw sg	Mix Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable with EnOcean wireless receiver for DALI button dim control, for stail SHL. LED light run Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable with EnOcean wireless receiver for DALI button dim control, for stail SHL. LED light run	9121 0525 121 9121 0525 135	1 1	0,60 0,60

System solution with Bluetooth technology

Wire suspension with control unit, set with integrated basicDIM wireless controller to control one DALI suspended luminaire DT6 or DT8. Operation and configuration via the Casambi app (can be downloaded from app stores).



Type	Colour	Material	Details	Art. no.		
<i>Complete suspension set Y-wire</i>						
SAYE-PS-LC10 120 5x0,75	vw sg	Mix Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, white connection cable with wireless BasicDim controller for DALI DT6, DT8, for hokal, procube, cubus LED/T5, lens basic Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=120mm, transparent connection cable with wireless BasicDim controller for DALI DT6, DT8, for hokal, procube, cubus LED/T5, lens basic	9123 1025 121 9123 1025 135	1 1	0,60 0,60
SAYE-PS-LC10 190 5x0,75	vw sg	Mix Mix	Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, white connection cable with wireless BasicDim controller for DALI DT6, DT8, for stail SHL. LED light run Rectangular canopy L=317mm, metal ceiling cylinder, 2 wires D=1.2mm L=1900mm, 2 cross-spans L=190mm, transparent connection cable with wireless BasicDim controller for DALI DT6, DT8, for stail SHL. LED light run	9121 1025 121 9121 1025 135	1 1	0,60 0,60

Further accessories in chapter Advanced Services.

To select the application-related control components, please contact us at service@regiolux.de

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denismagilov	fotolia.com	22
Jeff Baumgart	fotolia.com	25
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Frank Freihofer, Kitzingen DE	BayWa AG, Großwallstadt, DE	38
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Boris Golz, Arnsberg DE	IGS - Integrierte Gesamtschule Nienburg, Nienburg, DE	48
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Inga Paas, Köln DE	Goldener Ring, Düsseldorf, DE	68
Alex	fotolia.com	72
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Gerhard Hagen, Bamberg DE	Georg Hartmann Realschule, Forchheim, DE	92
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Mila Hacke, Berlin DE	Schweizerhof Grundschule, Berlin, DE	104
Mila Hacke, Berlin DE	Schweizerhof Grundschule, Berlin, DE	107
Dan Ax, Frankfurt/Main DE	Musikhaus Six und Four, Sulzbach/Saar, DE	108
Michael Meschede, Kaufungen DE	Backes Bau- und Transporte GmbH, Stadtkyll, DE	111
Tino Metten, Lichtwerk GmbH, Königsberg DE	Turnhalle TV Hofheim, Hofheim, DE	112
Brückner und Fuchs, Chemnitz DE	Europäisches Gymnasium Waldenburg, Waldenburg, DE	116
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ALHO Holding GmbH, Morsbach DE	Juwı, Wörstadt, DE	124
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Peter Hartung, Fellbach DE	Herder Verlag, Freiburg, DE	130
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Bernd Ullrich, Kleinheubach DE	WIKA, Klingenberg, DE	140
Art Wager	istockphoto.com	142
denismagilov	otolia.com	144
Jana Wenderoth, Kassel DE	medDV GmbH, Fernwald DE	147
Dan Ax, Frankfurt/Main DE	ETZ der Innung für Elektro- und Informationstechnik Stuttgart K.D.Ö.R., Stuttgart, DE	150
Stefan Meyer, Berlin DE	MBFZ toolcraft GmbH, Spalt, DE	154
Jörg Wenderoth, Volker Jakob Industrievertretung Baunatal DE	Orthopädische Praxis, Fritzlar, DE	159
Christian Tech, Fulda DE	Autohaus Herold, Heiligenstadt Ofr., DE	159
Jana Wenderoth, Kassel DE	Einkaufsmarkt, Sandershausen DE	161
Tino Metten, Lichtwerk GmbH, Königsberg DE	Joachim-Schumann-Schule, Babenhausen, DE	163
06photo	stock.adobe.com	165
Frank Freihofer, Kitzingen DE	KÄFER Stahlhandel, Gochsheim, DE	166
Daithi Taylor, Enfield IE	Hewlett Packard Enterprise, Dublin, IE	176
Torsten Kiesslich-Koehler, Regiolux GmbH, Königsberg DE	William Norton House, Dublin, IRL	180
Tom Gundelwein, Saarbrücken DE	Friedrich Wilhelm Gymnasium, Trier, DE	182
Frank Freihofer, Kitzingen DE	TGZ Würzburg, Würzburg, DE	185
Christian Tech, Fulda DE	Lutherschule-Zella-Mehlis, Zella-Mehlis, DE	186
Daithi Taylor, Enfield IE	Hewlett Packard Enterprise, Dublin, IE	190
Frank Freihofer, Kitzingen DE	Rathaus Haßfurt, Haßfurt, DE	192
Michael Meschede, Kaufungen DE	Hotel Kultur- und Kongresszentrum Esperanto, Fulda, DE	194
Hermann Kaufmann, Euro Unitech GmbH Wien AT	Steuerkanzlei Emsenhuber, Melk, AT	196
Hermann Kaufmann, Euro Unitech GmbH Wien AT	Vienna-City-Marathon, Wien, AT	199



Photographer	Project	Page
Frank Freihofer, Kitzingen DE	Rathaus Haßfurt, DE	200
peshkova	stock.adobe.com	204
Helmut Reisinger GmbH, Kapfenberg AT	Boehlerit GmbH & Co KG, Kapfenberg AT	207
Inga Paas, Köln DE	Staffelwache Pfaffenwiese, Frankfurt am Main, DE	208
Boris Golz, Arnsberg DE	IGS - Integrierte Gesamtschule Nienburg, Nienburg, DE	210
Jana Wenderoth, Kassel DE	Firmenzentrale medDV, Fernwald, DE	212
Frank Freihofer, Kitzingen DE	KÄFER Stahlhandel, Gochsheim, DE	214
artJazz	istockphoto.com	218
Boris Golz, Arnsberg DE	IGS - Integrierte Gesamtschule Nienburg, Nienburg, DE	221
Jan-Eric Winkelmann, Rostock DE	Ernst-Moritz-Arndt Universität, Greifswald, DE	222
Robert Endres, Regiolux GmbH, Königsberg DE	Sporthalle Bergtheim, Bergtheim, DE	225
Gerhard Hagen, Bamberg DE	Waldi Finn, Haßfurt, DE	229
Jana Wenderoth, Kassel DE	Firmenzentrale medDV, Fernwald, DE	230
Hermann Kaufmann, Euro Unitech GmbH, Wien DE	Brucha Gesellschaft m.b.H, Michelhausen AT	236
Gemini Create	shutterstock.com	238
Gemini Create	shutterstock.com	239
Hermann Kaufmann, Euro Unitech GmbH, Wien DE	Brucha Gesellschaft m.b.H, Michelhausen AT	242
Mara Zemgaliete	fotolia.com	244
industrieblick	fotolia.com	244
gitusik	fotolia.com	244
rdnzl	fotolia.com	244
ExQuisine	fotolia.com	244
TrudiDesign	fotolia.com	245
eyeQ	fotolia.com	245
dashadima	fotolia.com	245
Oleksandr Delyk	fotolia.com	245
industrieblick	fotolia.com	245
TeamDaf	fotolia.com	245
olgavolodina	fotolia.com	246
Martin Sass, Marktheidenfeld DE	Udo Lermann, Marktheidenfeld DE	248
Gerhard Hagen, Bamberg DE	CleverFit, Bayreuth DE	250
tomazl	istockphoto.com	253
Michael Meschede, Kaufungen DE	Kasseler Bank eG, Kassel DE	258
Daithi Taylor, Enfield IE	Hewlett Packard Enterprise, Dublin, IE	260
Manfred Sass, Marktheidenfeld DE	Udo Lermann GmbH & Co. KG, Marktheidenfeld, DE	264
Christian Tech, Fulda DE	Rundpavillon EGA, Erfurt, DE	267
Frank Freihofer, Kitzingen DE	Fristo Getränkemarkt, Butzbach, DE	268
Frank Freihofer, Kitzingen DE	BayWa, Wilzhofen, DE	271
Frank Freihofer, Kitzinger DE	Elektro Scheuermann, Reichenberg, DE	275
Warakorn	otolia.com	279
Gerhard Hagen, Bamberg DE	Kunststoffwerk Mauer, Drei Gleichen, DE	279
Gerhard Hagen, Bamberg DE	Kunststoffwerk Mauer, Drei Gleichen, DE	281
Jake Campbell, Kiel DE	Autohaus am Bungsberg, Oldenburg, DE	282
Hermann Kaufmann, Euro Unitech GmbHWien AT	Raiffeisen Lagerhaus , Bergland, AT	288
Dan Ax, Frankfurt/Main DE	Bizerba Deutschland, Balingen, DE	293
Peter Weiderer, GautzschGmbH&CoKG Windorf DE	Gautzsch Zentrallager, Rathsmannsdorf-Windorf DE	309
Manfred Sass, Marktheidenfeld DE	Udo Lehrmann GmbH & Co. KG, Marktheidenfeld DE	328
Fa, Oosterberg, Soest NL	Keune Haircosmetics, Soest NL	329
Bernd Ullrich, Kleinheubach DE	Wika, Klingenberg DE	331
Michael Meschede, Kaufungen DE	Groß Druckguss GmbH, Heiligenstadt DE	333
Michael Meschede, Kaufungen DE	Groß Druckguss GmbH, Heiligenstadt DE	336
Jens Arbogast, Gräben-Neudorf DE	Pneu Matthy GmbH, Karlsruhe, DE	339
Inga Paas, Köln DE	Provita Medical, Wermelskirchen, DE	342
Tom Reindel, Düsseldorf DE	Schenker Deutschland AG, Coburg DE	345
Brückner und Fuchs, Chemnitz DE	Bosch Rexroth AG, Chemnitz, DE	355
Frank Freihofer, Kitzingen DE	Seehafen Kiel, Kiel DE	357
Stefan Meyer Architekturfotografie, Berlin DE	OBI GmbH, Schwabhausen DE	361
Frank Freihofer, Kitzingen DE	Elektro Scheuermann, Reichenberg, DE	362
Frank Freihofer, Kitzingen DE	Zentrallager Stadtwerke Würzburg, Würzburg, DE	374
Dan Ax, Frankfurt/Main DE	Edeka Reichert Weinstadt, Weinstadt-Endersbach, DE	379
Jon Norddahl, Frederiksberg DK	Movianto Danmark, Greve DK	381
Inga Paas, Köln DE	Saturn MyZeil, Frankfurt am Main DE	383
Jan Bitter, Berlin DE	Eisschnelllaufhalle Sportforum Marzahn, Berlin, DE	397
Hermann Kaufmann, Euro Unitech GmbH Wien AT	Wolf Systembau Gesellschaft m.b.H, Scharnstein, AT	405
Jana Wenderoth, Kassel DE	Einkaufsmarkt Sandershausen, Sandershausen, DE	415
Frank Freihofer, Kitzingen DE	Liebherr Logistikzentrum, Oberopfingen, DE	418
Matthias Frank Schmidt, Erfurt DE	Freie Universität Berlin, Berlin DE	420
industrieblick	fotolia.com	422
Kzenon	fotolia.com	423
Nyo009	fotolia.com,	427
Frank Freihofer, Kitzingen DE	BayWa AG, Großwallstadt, DE	428



Application pictures

Photographer	Project	Page
stokkete	fotolia.com	430
Andrey Kiselev	fotolia.com	430
kuliperko	fotolia.com	431
Frank Freihofer, Kitzingen DE	BayWa AG, Großwallstadt, DE	436
Frank Freihofer, Kitzingen DE	Ruhl-Baustahl, Marktbreit, DE	439
Gerhard Hagen, Bamberg DE	Parkhaus Schaeffler 2.0, Bamberg, DE	440
Nadja Weiß, Lichtwerk GmbH, Königsberg DE	Hallenbad Königsberg, Konigsberg i. Bay., DE	442
Nadja Weiß, Lichtwerk GmbH, Königsberg DE	Hallenbad Königsberg, Konigsberg i. Bay., DE	444
Nadja Weiß, Lichtwerk GmbH, Königsberg DE	Hallenbad Königsberg, Konigsberg i. Bay., DE	447
Jana Wenderoth, Kassel DE	Firmenzentrale medDV, Fernwald, DE	448
Gerhard Hagen, Bamberg DE	Parkhaus Schaeffler 2.0, Bamberg, DE	452
Frank Freihofer, Kitzingen DE	ÜZ Lülsfeld, Lülsfeld, DE	455
ALHO Holding GmbH, Morsbach DE	Fertigungshalle ALHO, Morsbach, DE	456
Hermann Kaufmann, Euro Unitech GmbH Wien AT	Weingut Voelkl, Lengenfeld, AT	459
Frank Freihofer, Kitzingen DE	Zentrallager Stadtwerke Würzburg, Würzburg DE	461
Matthias Frank Schmidt, Erfurt DE	Multifunktionale Halle für Sport und Kultur Meiningen, DE	462
Tino Metten, Lichtwerk GmbH, Königsberg DE	Turnhalle TV Hofheim, Hofheim, DE	464
Jake Campbell, Kiel DE	Fredericia Indraetscenter, Fredericia, DK	471
Frank Freihofer, Kitzingen DE	KETV Karlsruher Eislauft- und Tennisverein, Karlsruhe, DE	472
Robert Endres, Regiolux GmbH, Königsberg DE	Sporthalle Bergtheim, Bergtheim, DE	476
Robert Endres, Regiolux GmbH Königsberg DE	Sporthalle Bergtheim, Bergtheim, DE	478
Gerhard Hagen, Bamberg DE	Frankenhalle Sennfeld, Sennfeld, DE	483
Frank Freihofer, Kitzingen DE	Seehotel, Zeulenroda, DE	484
Frank Freihofer, Kitzingen DE	BayWa Wilzhofen, Wilzhofen, DE	486
guvendemir	istockphoto	488
Robert Endres, Regiolux GmbH Königsberg DE	Reinraum, Regiolux GmbH Königsberg, DE	490
Kadmy	fotolia.com	492
xiaoliangge	fotolia.com	492
Traimak	fotolia.com	492
Sashkin	fotolia.com	492
PhotoSG	fotolia.com	492
fotolaxrender	fotolia.com	492
sudok1	fotolia.com	492
totojang1977	fotolia.com	492
Dmytro Sukharevskyi	fotolia.com	492
Thomas Zechmeister, Fa. Straka, Laa an der Thaya AT	Bio-Bäckerei Öfferl Gaubitsch, Gaubitsch, AT	494
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masterart2680	stock.adobe.com	500
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Robert Endres Regiolux GmbH, Königsberg DE	Regiolux GmbH, Königsberg DE	523
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Frank Freihofer, Kitzingen DE	BayWa Wilzhofen, Wilzhofen DE	535
Frank Freihofer, Kitzingen DE	Fraunhofer Institut ISC III, Würzburg DE	536
Frank Freihofer, Kitzingen DE	Fraunhofer Institut ISC III, Würzburg DE	539
Jana Wenderoth, Kassel DE	Firmenzentrale medDV, Fernwald, DE	554
Jörg Hempel, Aachen DE	Leibniz-Institut für Altersforschung Fritz-Lipmann-Institut e.V., Jena DE	565
TommL	stock.com	567
Frank Freihofer, Kitzingen DE	BayWa AG, Großwallstadt DE	573
Christian Tech, Fulda DE	ZEE - Zentrum für Elektromobilität und Energieeffizienz, Barleben, DE	578
Frank Freihofer, Kitzingen DE	TDZ Würzburg, Würzburg, DE	584
Christian Richters, Münster DE	Mariengymnasium, Essen DE	589
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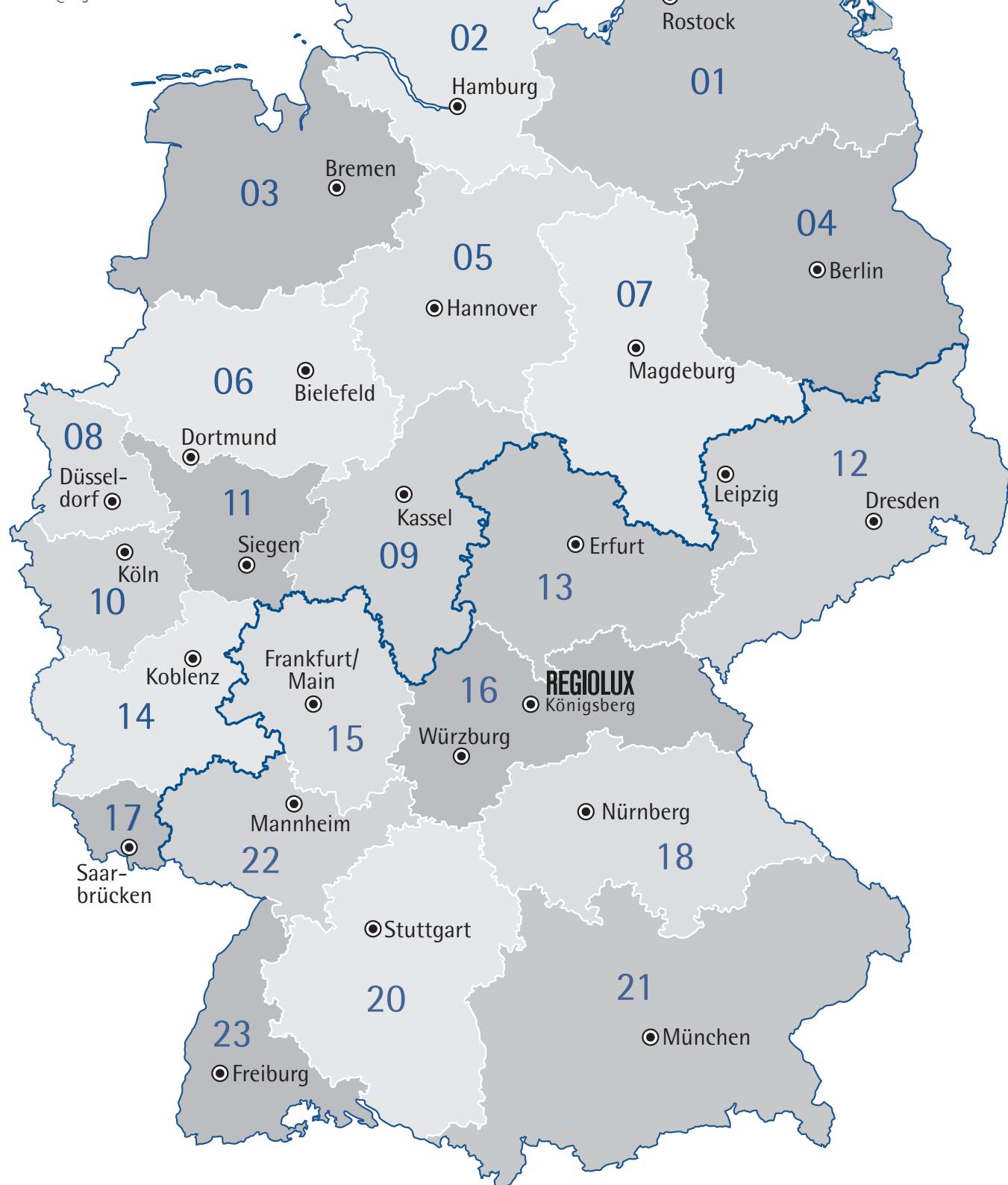
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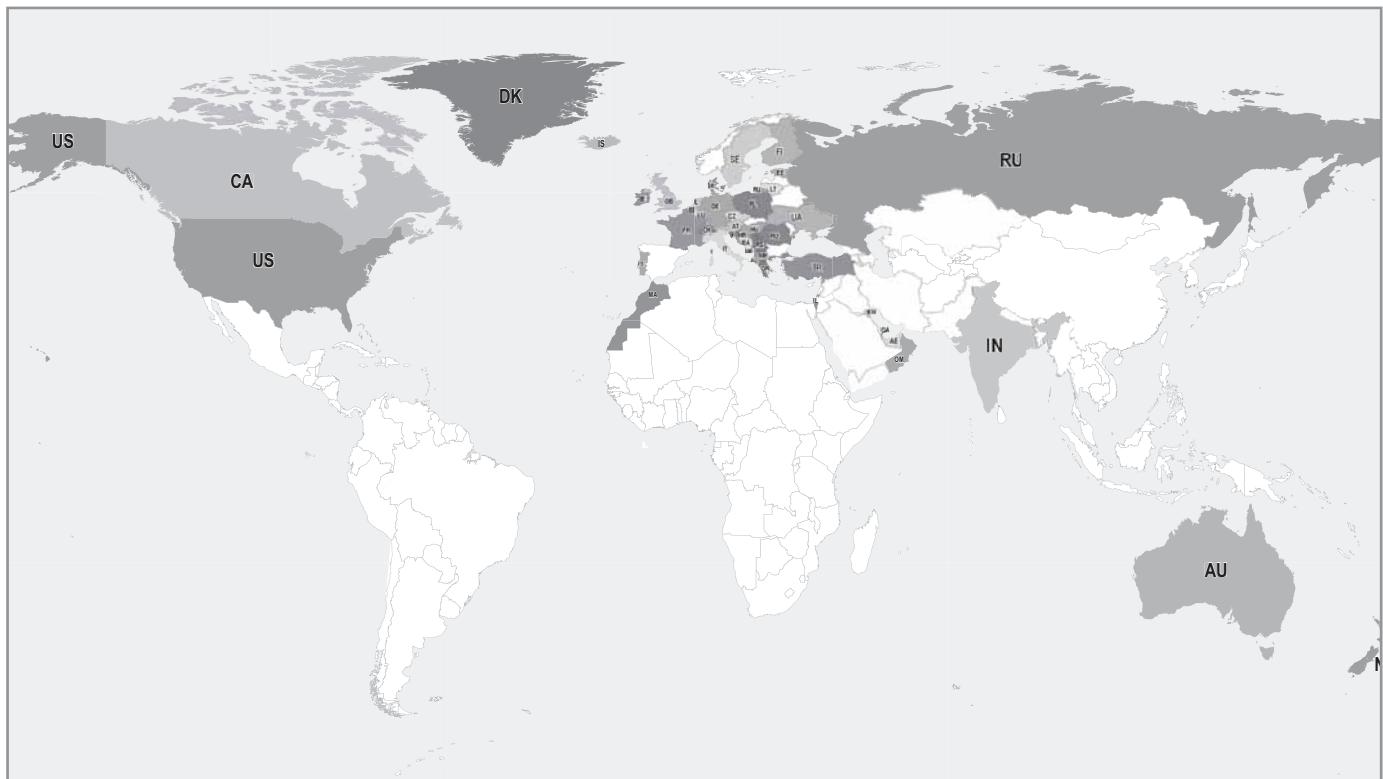
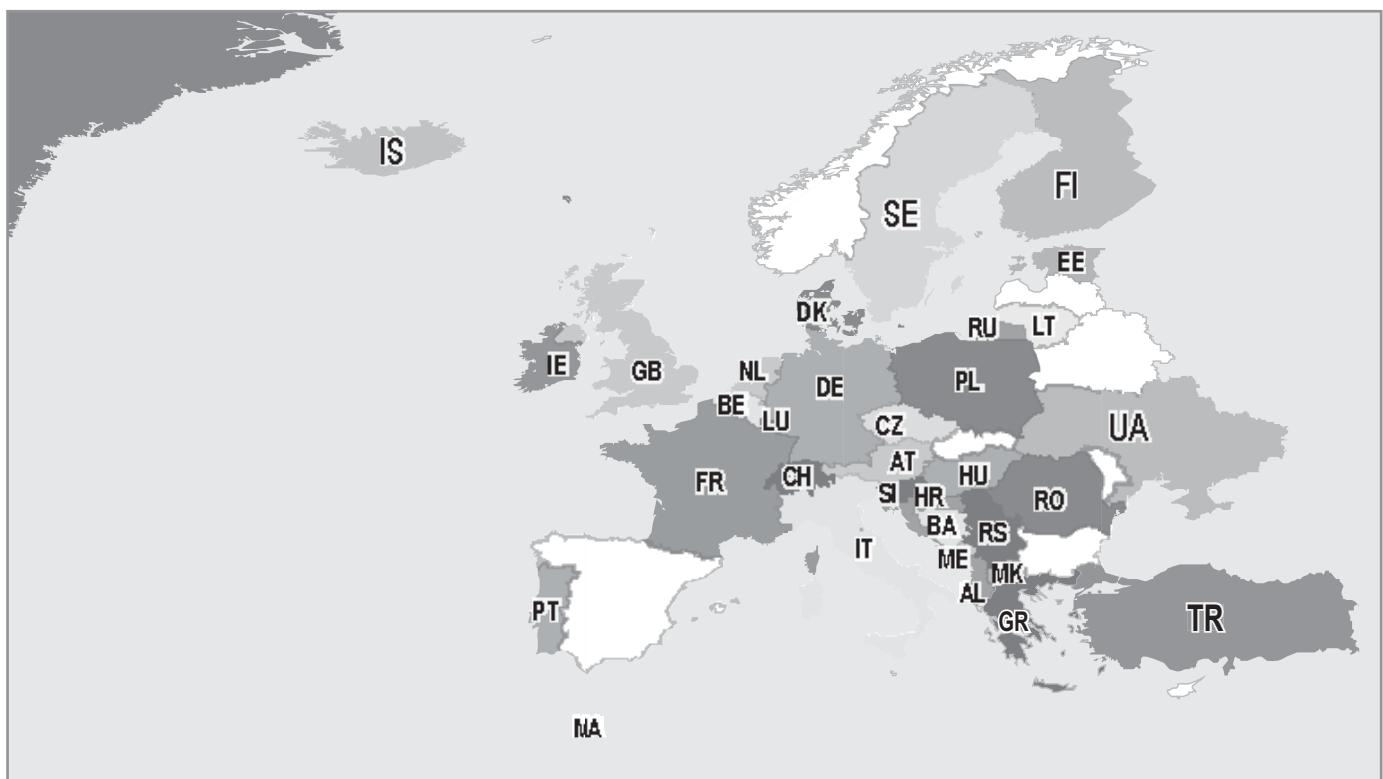
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