

lichtwerk

inspired by light

lichtwerk



SRAM, Schweinfurt @ lichtwerk



Flexible

The all-round inclusive package is our standard when it comes to defining our range of services. lichtwerk reacts flexibly to individual customer requirements.

Emotional

Light creates emotions and only when these satisfy the client's requirements does the lighting achieve the enthusiasm, which we set as our goal.

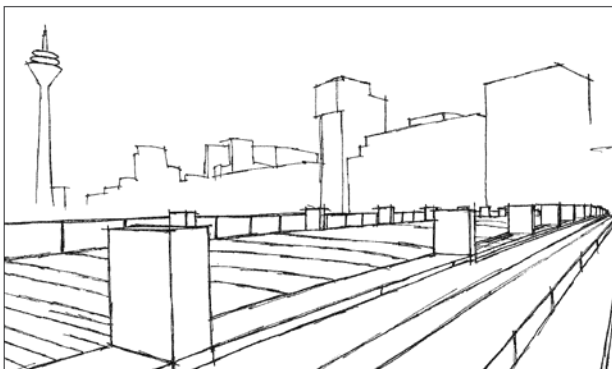
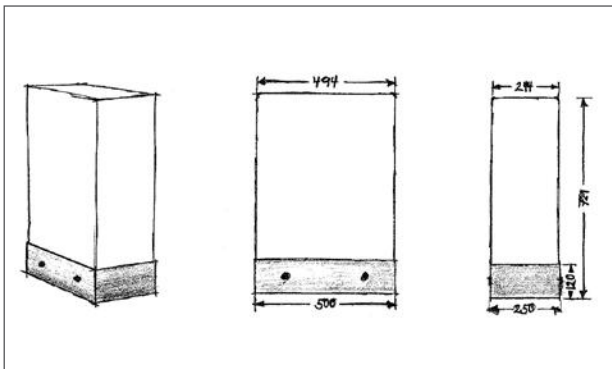
Creative

Due to the heterogeneous customer structure and changing challenges, lichtwerk is accustomed to always thinking new, innovatively and creatively.



Individual luminaires for attractive project solutions

Away from standard luminaires, we develop individual project luminaires, specifically for your lighting needs. In addition to our standard colours, a wide range of RAL colours is available for our high-quality matt textured paint. No wishes remain unfulfilled in the colour selection for your luminaires.



Medienhafen, Düsseldorf @ Tom Reindel, Düsseldorf

From the idea to the product

Inspired by light - Light is the passion, which inspires us over and over again. This enthusiasm makes us creative, lets us go outside the box and exploit the freedom given to its limits.

The flexibility in thinking, which characterizes our corporate philosophy, gives us the pragmatism for which we are appreciated. The key to solving these challenging tasks are flexibility and pragmatism.

Sophisticated projects often can't be realized with standard catalogue products, therefore custom-made solutions are needed.

To meet the requirements of these projects, creativity, high technical competence and an uncompromising customer orientation in consulting, planning and production is necessary - Therefore we have a company orientation, which makes it necessary to examine our own thinking and acting over and over again.

Artisan of light

We are such an artisan of light, able to act with flexibility, sense of lighting by intuition and conceptual thinking of projects, that clearly stand out from the mass market.



Sustainability - lighting for the future



With our efficient technologies, we set a clear signal on the subject of sustainability.

While sustainability used to mean primarily environmental protection, sustainable action today also takes economic and social aspects into account. Modern lighting technology makes a valuable contribution to this:

- efficient light sources,
- optimized luminaires and
- electronic control.

Our luminaire components conserve natural resources and are largely recyclable. At the same time, modern lighting technology makes visual tasks easier and promotes people's sense of well-being, for example with Human Centric Lighting concepts (HCL). A lighting control system ensures that light only switches on in sufficient quantity when it is required.

We are there for you

CONTACT Lighting planning



It all starts with the consultation during the project planning phase. Requirements are defined, framework conditions are established, and a selection is made.

Only when everything is perfectly coordinated the planned effect will be achieved. lichtwerk deals with the subject of lighting in a very emotional way and cultivates a similar relationship with its customers.

Together with you, we develop your individual project solution, so that the lighting achieves the enthusiasm that we set ourselves as our goal.

From planning to implementation, we focus on close cooperation with the client and the executing companies on site.





Table structure

The tabular structure enables an overview of the essential features.

Type	LED Specification		Item-number					
Designation of the luminaire	Luminous flux lumen (lm) Colour rendering index RA Colour temperature Kelvin (K)		543 3044 10...	→ the last digit of the article number indicates the housing colour → ...1				Luminaire net weight (without packaging)
Type	LED Specification	P _{sys} (W)	Driver	Item-number	Colour	Colour	Colour	kg
Sample luminaire	LED 2400lm 840 LB	20	ET	543 3044 10...	■ ...5	□ ...1	■ ...4	3
	LED 4500lm 840 LB	41	DALI	543 3144 10...	■ ...5	□ ...1	■ ...4	3

P_{sys} | Lighting system performance

Driver

ET | Electronic Driver, non dimmable

DALI | Electronic Driver, DALI, dimmable

DALI DT8 | Electronic Driver, DALI, dimmable, Change of light colour

Tast dim | dimmable via push button

NL-B | Emergency light single battery

Colour code/colour

■ | aluminium natural anodized

□ | traffic white (similar RAL 9016)

■ | withe-aluminium (similar RAL 9006)

■ | deep black (similar RAL 9017)

■ | silver grey

■ | stainless steel

■ | grit grey

cr | chrome

si | silver matt

sig | silver gloss

tc | translucent

cl | clear

NEW

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



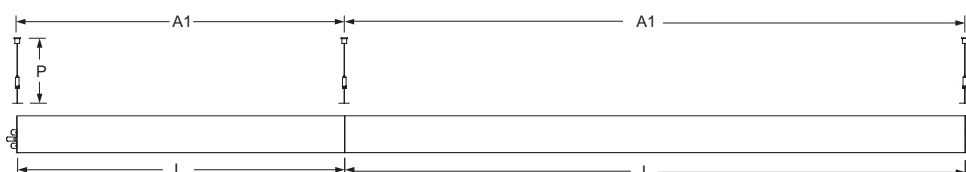
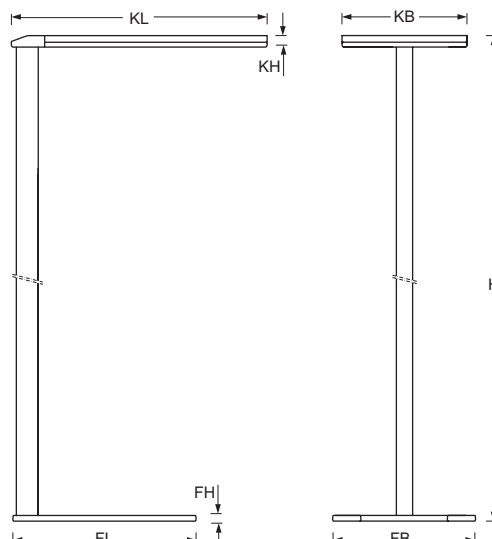
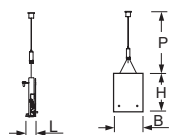
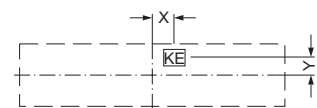
Because of the dynamics in the technical development especially in the field of LED modules and their drivers, the information in this paper can only be a snapshot of the current state and are therefore legally not binding. Please refer to our web site for current product specifications. The QR code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

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

Registration number: DE 40859830



Definition of measurement table variants

L | Length

□L | Length/Width for square luminaires

L2 | Additional length

B | Width

H | Height

ØD | Diameter

FL | Length of luminaire base

FB | Width of luminaire base

FD | Diameter of luminaire base

T | Depth

KE | Electrical feed in

KL | Length of luminaire head or ballast box

KB | Width of luminaire head or ballast box

KH | Height of luminaire head or ballast box

KD | Diameter of luminaire head or ballast box

A1 | Fixing distance in case of single mounting

A2 | Fixing distance between the luminaires in case of light run mounting

X | Distance from centre of the luminaire to the electrical feed in (x direction = length)

Y | Distance from centre of the luminaire to the electrical feed in (y direction = width)

SL | Length of cut out for recessed luminaires

SB | Width of cut out for recessed luminaires

SD | Diameter of cut out for recessed luminaires

e | Minimum necessary depth for luminaire mounting

ML | Modul (axis) Length

MB | Modul (axis) Width

P | Wire suspension

P min/max | Min./Max. length wire suspension

DS min/max | Min./Max. ceiling thickness in case of cut out ceilings



for ceilings with visible T-rails



for cut-out ceilings

Recessed luminaires

Surface mounted luminaires

Pendant luminaires

Phase-track and luminaires

Lighting systems

Downlights

Wall luminaires
Standing luminaires

Light furniture

Glass luminaires

Licht control

Information





PHASE-TRACK AND LUMINAIRES

DPSNA

268



Luminaries for 3-Phase-Track + DALI

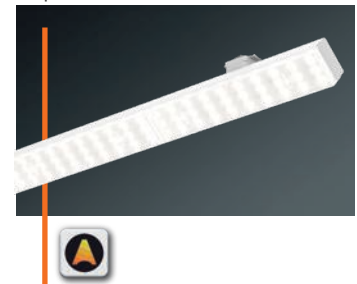


swivable

clip-TTS-OTB 272



clip-TTS-OA 274



clip-TT-OB 278



clip-TT-OTB 282



clip-TT-OG 286



emphara-EMTT 290



spotty-SYTT 294



clip-OTB for VDU workplaces!

narrow-wide distribution



The narrow-wide single lens optic convinces with it's first class lighting technology.

UGR < 19, light density 65° < 3.000cd/m².

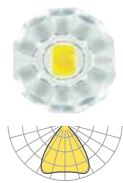


4 Lighting technologies for your applications



-OB

Lens optic
wide distribution



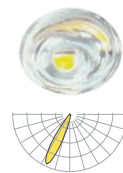
-OTB

Lens optic
narrow-wide
distribution



-OG

Lens optic
diffuse



-OA

Lens optic
asymmetrical

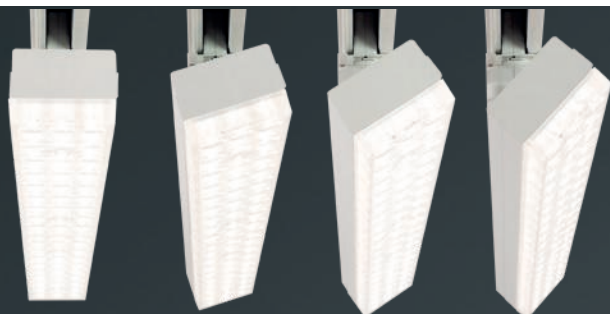


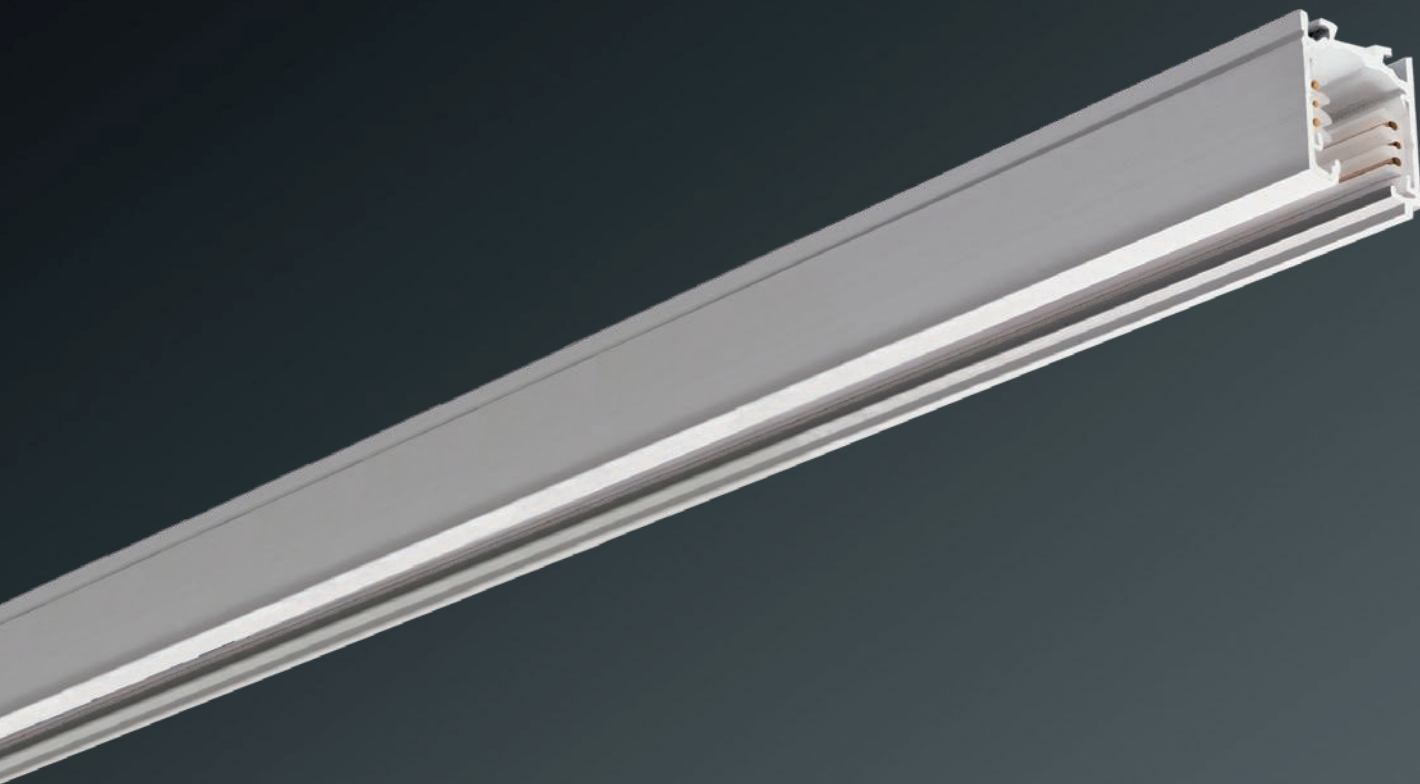
clip-TTS

perfect shop illumination

The clip-TTS is specially designed to be mounted on phase tracks and enables you to illuminate your goods by its swiveling housing perfectly. In combination with the DPSNA 3-phase track clip-TTS is also available as DALI dimmable variant. Thanks to the large phase track accessories, any light structure can be created.

housing can be swiveled
up to 60°





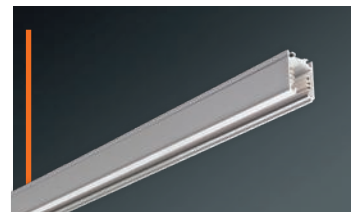
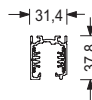
DPSNA phase track



3-phase track + DALI

Extruded aluminium profile natural anodized, traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Track can be shortened to any length by using suitable accessories. 7-pin track, 3x 16A/N/PE + DALI.

Accessories - P. 270



■ natural anodized



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



□ traffic white

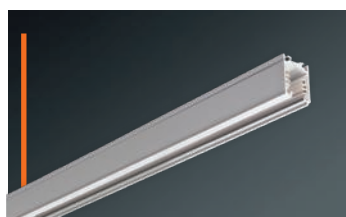


■ deep black

Type	Details	Item-number	Colour	Colour	Colour	kg
DPSNA-1000	3x 16A + DALI, L=1000mm	324 4110 10...	■ ...5	□ ...0	■ ...4	1,1
DPSNA-2000	3x 16A + DALI, L=2000mm	324 4210 10...	■ ...5	□ ...0	■ ...4	2,1
DPSNA-3000	3x 16A + DALI, L=3000mm	324 4310 10...	■ ...5	□ ...0	■ ...4	3,4
DPSNA-4000	3x 16A + DALI, L=4000mm	324 4410 10...	■ ...5	□ ...0	■ ...4	4,5



Accessories for phase-track DPSNA



DPSNA



DPSNA Casambi Ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x and further system components to be ordered separately P.484-487.

Accessoires

All power supplies and connectors 7-pin; prepared for DALI wiring. Mounting material for ceiling or grid ceiling and pendant mounting. Adapter for connecting other luminaires to the DPSNA phase-track. DPSN-LBW for adjusting the length of the copper conductor after shortening the track on site.



☐ ☒ DPSN ESL/ESR



☐ ☒ DPSN ESM



☐ ☒ DPSN KE



☐ ☒ DPSN KM



☐ ☒ DPSN KF



☐ ☒ DPSN KTIR/KTIL



☐ ☒ DPSN KWI/KWA



☐ ☒ DPSN KX



☐ ☒ DPSN AET



☐ ☒ DPSN ADA



☐ ☒ DPSN EK



☒ DPSN TSB



☐ ☒ DPSN DH



DPSN CS



☒ DPSN AK



☒ DPSN DB

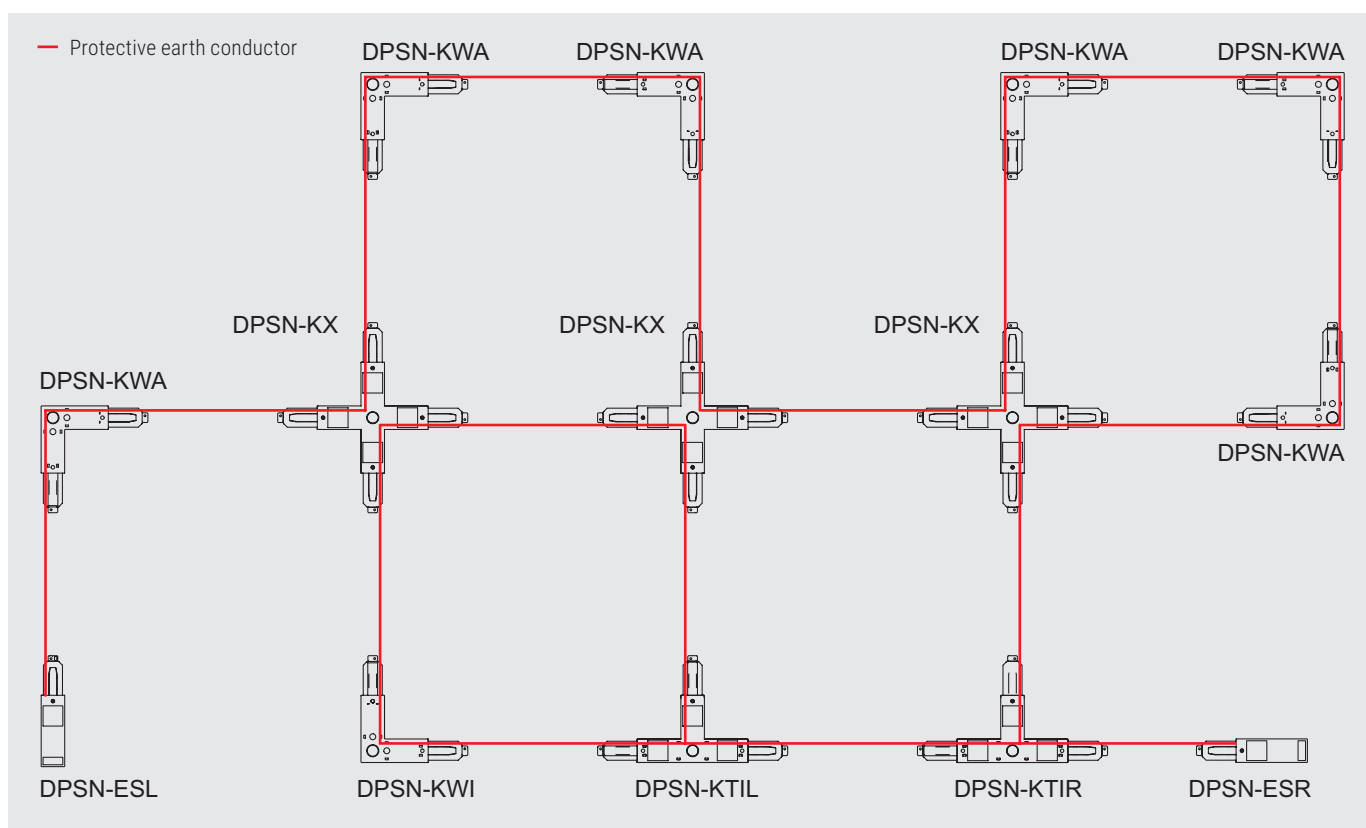


☒ DPSN SV



DPSN LBW

Connection scheme top view



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Accessories	Type	Material	Details	Item-number	Colour	Colour	Colour	kg
Feed in	DPSN ESL	PA	Feed in for DPSNA, left	324 4002 10...	□ ...0	■ ...4	■ ...4	0,1
	DPSN ESR	PA	Feed in for DPSNA, right	324 4001 10...	□ ...0	■ ...4	■ ...4	0,1
Feed in center	DPSN ESM	PA	Feed in for DPSNA, center	324 4003 10...	□ ...0	■ ...4	■ ...4	0,19
Rail connector	DPSN KE	PA	Rail connector for DPSNA, electrical	324 4004 10...	□ ...0	■ ...4	■ ...4	0,05
Rail connector	DPSN KM	PA	Rail connector for DPSNA, mechanical	324 4005 10...	□ ...0	■ ...4	■ ...4	0,05
Rail connector multiflex	DPSN KF	PA	Multiflex connector for DPSNA, 0°-360°; horizontal and vertical	324 4006 10...	□ ...0	■ ...4	■ ...4	0,24
T-rail connector right	DPSN KTIR	Mix	Rail connector for DPSNA, right inside	324 4015 10...	□ ...0	■ ...4	■ ...4	0,29
T-rail connector left	DPSN KTIL	Mix	Rail connector for DPSNA, left inside	324 4018 10...	□ ...0	■ ...4	■ ...4	0,29
Angle connector right	DPSN KWI	Mix	Angle connector for DPSNA, right inside	324 4014 10...	□ ...0	■ ...4	■ ...4	0,19
Angle connector left	DPSN KWA	Mix	Angle connector for DPSNA, left outside	324 4017 10...	□ ...0	■ ...4	■ ...4	0,19
Cross connector	DPSN KX	Mix	Cross connector for DPSNA	324 4019 10...	□ ...0	■ ...4	■ ...4	0,38
Adapter	DPSN AET	PC	ED-adapter for DPSNA	324 4023 10...	□ ...0	■ ...4	■ ...4	0,04
	DPSN ADA	PC	DALI-Adapter for DPSNA	324 4022 10...	□ ...0	■ ...4	■ ...4	0,04
End cap	DPSN EK	PA	End cap for DPSNA	324 4007 10...	□ ...0	■ ...4	■ ...4	0,01
Mounting 24mm t-rail	DPSN TSB	Mix	24mm t-rail mounting for DPSNA	324 4020 100				0,01
Hook to attach deco elements	DPSN DH	Mix	Deco hook for DPSNA	324 4021 10...	□ ...0	■ ...5	■ ...5	0,01
Wire suspension (set)	DPSN CS	Mix	Wire suspension set 5200mm	324 4009 115				0,04
Suspension clamp	DPSN AK	Al	Suspension clamp for DPSNA	324 4011 105				0,02
Ceiling mounting	DPSN DB	Al	Ceiling mounting for DPSNA	324 4008 105				0,02
Rail connector	DPSN SV	Al	Stabilisation connector for DPSNA	324 4012 105				0,03
Cutting tool	DPSN LBW		for adjusting the length of the copper conductors	324 4010 100				0,1





clip-TTS-OTB for 3-phase-track DPSNA

clip-TTS-OTB



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to RAL 9006) or deep black (similar to RAL 9005).
Other housing colours on request.
Perfect vertical illumination thanks to housing which can be swiveled up to 60°.

Lighting technology -OTB

Direct narrow-wide light distribution.
Translucent lens optics made of acrylic with additional lateral transmission.
For VDU workstations $65^\circ < 3000 \text{ cd/m}^2$ according to DIN EN 12464-1.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI-luminaires casambi ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x
and further system components to be ordered separately P.484-487.

Miscellaneous

Electrical connection via 3-phase + DALI track adaption type DPSN (dimmable) or universal adaption for ED (switchable).

Accessories

Tool clip-TT ERW to unlock luminaire from phase-track must be ordered separately.



□ traffic white

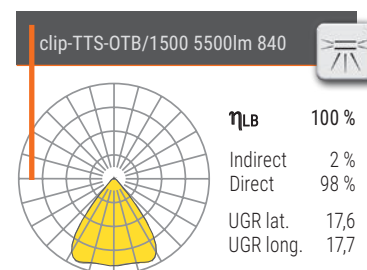
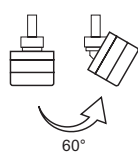


■ white aluminium



■ deep black

Type	L	B	H
clip-TTS/900	915	55	40
clip-TTS/1200	1220	55	40
clip-TTS/1500	1525	55	40



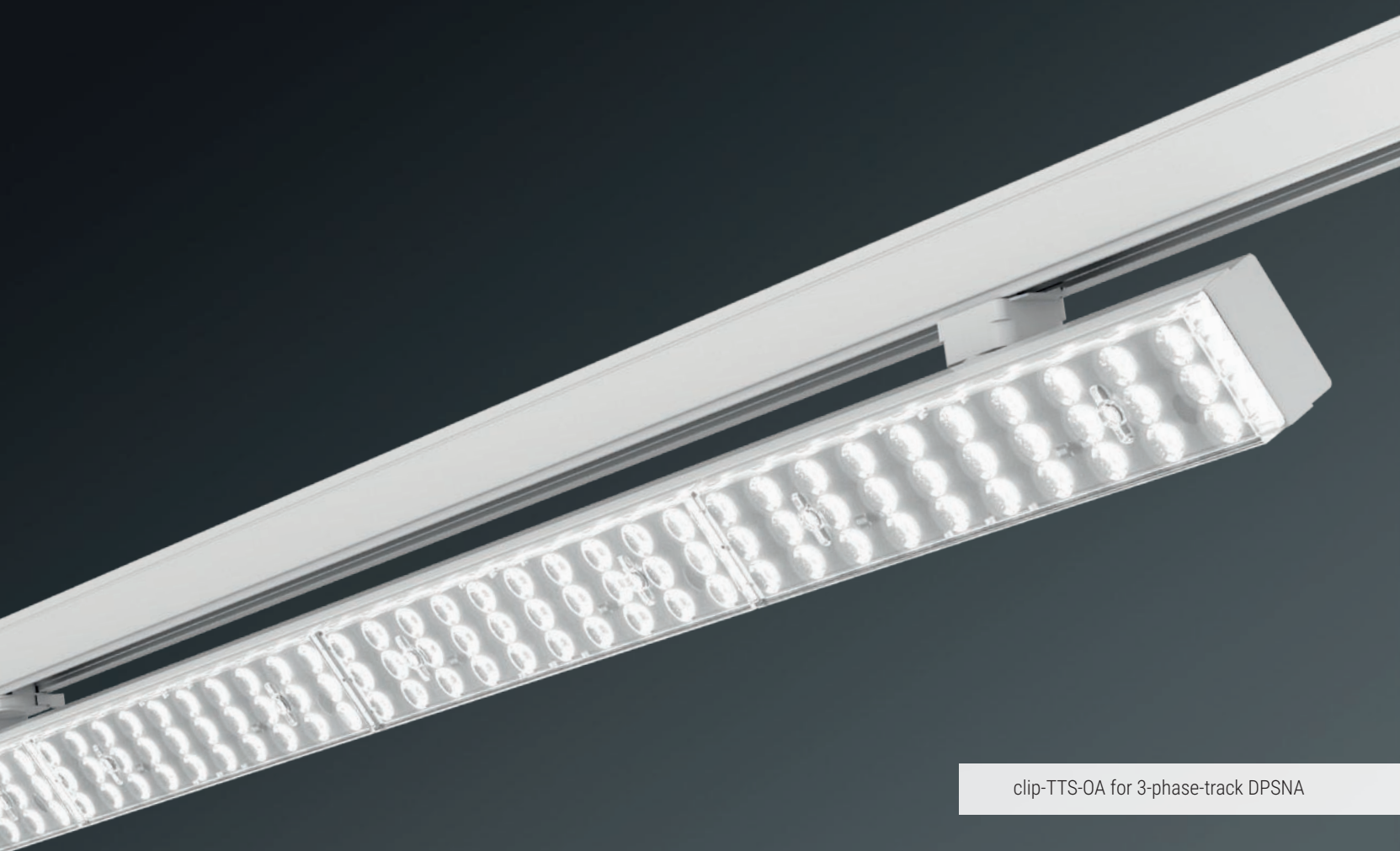
Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{Sys} (W)	Driver	Item-Number	Colour	Colour	Colour	kg
clip-TTS-OTB/900	LED 3300lm 840	20	ED	773 3344 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	1,6
	LED 3300lm 840	20	DALI	773 3346 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	1,6
clip-TTS-OTB/1200	LED 4400lm 840	27	ED	773 3444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
	LED 4400lm 840	27	DALI	773 3446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
clip-TTS-OTB/1500	LED 5500lm 840	33	ED	773 3544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8
	LED 5500lm 840	33	DALI	773 3546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8

Accessories	Type	Details	Item-Number	kg
Unlocking tool	clip-TT ERW	Unlocking tool to release luminaire	722 9000 100	0,2





clip-TTS-OA for 3-phase-track DPSNA

clip-TTS-OA



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to RAL 9006) or deep black (similar to RAL 9005).
Other housing colours on request.
Perfect vertical illumination thanks to housing which can be swiveled up to 60°.

Lighting technology -OA

Direct asymmetrical distribution.
Translucent lens optics made of acrylic with additional lateral transmission.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI-luminaires casambi ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x
and further system components to be ordered separately P.484-487.

Miscellaneous

Electrical connection via 3-phase + DALI track adaption type DPSN (dimmable) or universal adaption for ED (switchable).

Accessories

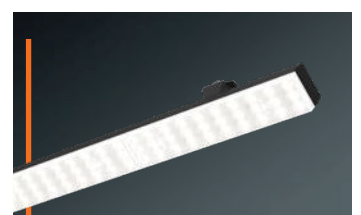
Tool clip-TT ERW to unlock luminaire from phase-track must be ordered separately.



□ traffic white

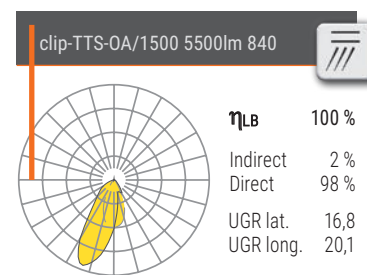
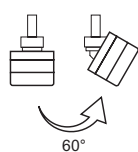


■ white aluminium



■ deep black

Type	L	B	H
clip-TTS/900	915	55	40
clip-TTS/1200	1220	55	40
clip-TTS/1500	1525	55	40



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour	kg
clip-TTS-OA/900	LED 3300lm 840	20	ED	773 5344 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	1,6
	LED 3300lm 840	20	DALI	773 5346 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	1,6
clip-TTS-OA/1200	LED 4400lm 840	27	ED	773 5444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
	LED 4400lm 840	27	DALI	773 5446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
clip-TTS-OA/1500	LED 5500lm 840	33	ED	773 5544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8
	LED 5500lm 840	33	DALI	773 5546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8

Accessories	Type	Details	Item-Number	kg
Unlocking tool	clip-TT ERW	Unlocking tool to release luminaire	722 9000 100	0,2







clip-TT-OB for 3-phase-track DPSNA

clip-TT-OB



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to 9006) or deep black (similar to RAL 9005). Other housing colours on request.

Lighting technology -OB

Direct wide light distribution.

Translucent lens optics made of acrylic with additional lateral transmission.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI-luminaires casambi ready

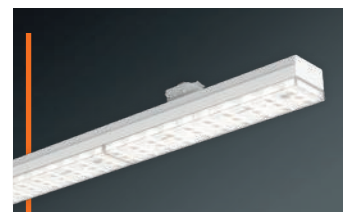
LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x and further system components to be ordered separately P.484-487.

Miscellaneous

Electrical connection via 3-phase + DALI track adaption type DPSN (dimnable) or universal adaption for ED (switchable).

Accessories

Tool clip-TT ERW to release luminaire from track must be ordered separately.



□ traffic white

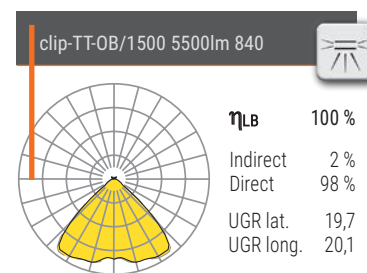


■ white aluminium



■ deep black

Type	L	B	H
clip-TT/1200	1220	55	40
clip-TT/1500	1525	55	40
clip-TT/1800	1830	55	40



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour	kg
clip-TT-OB/1200	LED 4400lm 840	27	ED	772 1444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
	LED 4400lm 840	27	DALI	772 1446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
clip-TT-OB/1500	LED 5500lm 840	33	ED	772 1544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8
	LED 5500lm 840	33	DALI	772 1546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8
clip-TT-OB/1800	LED 6600lm 840	40	ED	772 1644 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	3,3
	LED 6600lm 840	40	DALI	772 1646 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	3,3

Accessories	Type	Details	Item-Number	kg
Unlocking tool	clip-TT ERW	Unlocking tool to release luminaire	722 9000 100	0,2









clip-TT-OTB for 3-phase-track DPSNA

clip-TT-OTB



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to 9006) or deep black (similar to RAL 9005). Other housing colours on request.

Lighting technology -OTB

Direct narrow-wide light distribution.

Translucent lens optics made of acrylic with additional lateral transmission.

For VDU workstations $65^\circ < 3000 \text{ cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.

Rated life time = L80 B10 100.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI-luminaires casambi ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x and further system components to be ordered separately P.484-487.

Miscellaneous

Electrical connection via 3-phase + DALI track adaption type DPSN (dimnable) or universal adaption for ED (switchable).

Accessories

Tool clip-TT ERW to release luminaire from track must be ordered separately.



□ traffic white

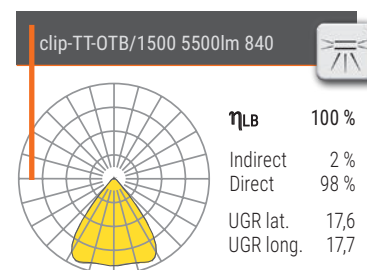
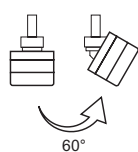


■ white aluminium



■ deep black

Type	L	B	H
clip-TT/1200	1220	55	40
clip-TT/1500	1525	55	40
clip-TT/1800	1830	55	40



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour	kg
clip-TT-OTB/1200	LED 4400lm 840	27	ED	772 3444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
	LED 4400lm 840	27	DALI	772 3446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,2
clip-TT-OTB/1500	LED 5500lm 840	33	ED	772 3544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8
	LED 5500lm 840	33	DALI	772 3546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	2,8
clip-TT-OTB/1800	LED 6600lm 840	40	ED	772 3644 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	3,3
	LED 6600lm 840	40	DALI	772 3646 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	<input checked="" type="checkbox"/> ...4	3,3

Accessories	Type	Details	Item-Number	kg
Unlocking tool	clip-TT ERW	Unlocking tool to release luminaire	722 9000 100	0,2







clip-TT-OG for 3-phase-track DPSNA

clip-TT-OG



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to 9006) or deep black (similar to RAL 9005). Other housing colours on request.

Lighting technology -OG

Direct diffuse light distribution.

Ice-finish Individual Lens Optic made of acrylic with lateral beam.

Rated life time = L80 B10 100.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI-luminaires casambi ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x and further system components to be ordered separately P.484-487.

Miscellaneous

Electrical connection via 3-phase + DALI track adaption type DPSN (dimnable) or universal adaption for ED (switchable).

Accessories

Tool clip-TT ERW to release luminaire from track must be ordered separately.



□ traffic white

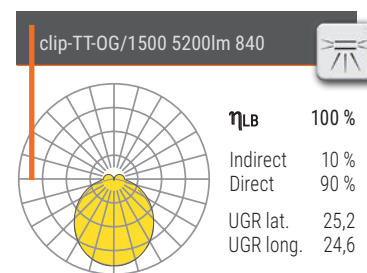


■ white aluminium



■ deep black

Type	L	B	H
clip-TT/1200	1220	55	40
clip-TT/1500	1525	55	40
clip-TT/1800	1830	55	40



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour	kg
clip-TT-OG/1200	LED 4100lm 840	27	ED	772 7444 10...	□...0	WB...6	■...4	2,2
	LED 4100lm 840	27	DALI	772 7446 60...	□...0	WB...6	■...4	2,2
clip-TT-OG/1500	LED 5200lm 840	33	ED	772 7544 10...	□...0	WB...6	■...4	2,8
	LED 5200lm 840	33	DALI	772 7546 60...	□...0	WB...6	■...4	2,8
clip-TT-OG/1800	LED 6200lm 840	40	ED	772 7644 10...	□...0	WB...6	■...4	3,3
	LED 6200lm 840	40	DALI	772 7646 60...	□...0	WB...6	■...4	3,3

Accessories	Type	Details	Item-Number	kg
Unlocking tool	clip-TT ERW	Unlocking tool to release luminaire	722 9000 100	0,2









emphara-EMTT



Housing

Phase-track spotlight, can be turned 350° and swiveled 90°. Compact spotlight unit made of die-cast aluminium with driver integrated into hinged arm. Painted traffic white, silvergrey or black.

Lighting technology -EMTT

Direct narrow distribution. Highly specular faceted reflector made of efficient MIRO-SILVER aluminium with reflection coefficient of 99.8%; beam angle 30°; clear safety glass; Rated life time = L80 B10 50.000h. Light colour: 4000K or 3000K. Other light colours on request.



DALI-luminaires casambi ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x and further system components to be ordered separately P.484-487.

Miscellaneous

Integrated electronic LED driver; connection via universal 3-phase-track adapter, or for dimmable luminaires via 3-phase DALI adapter for DPSNA.

Accessories

Replacement reflector 40° highly specular faceted or 60° matt segmented must be ordered separately.



□ traffic white

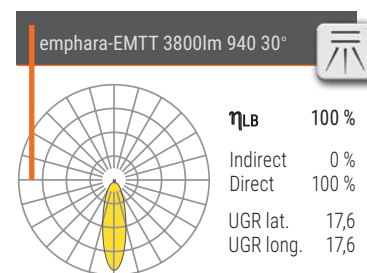
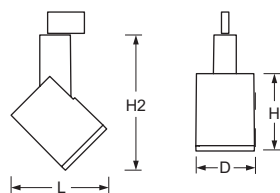


■ silvergrey



■ black

Type	L	H	H2	D
emphara-EMTT	180	145	254	110



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	α	Driver	Item-number	Colour	Colour	Colour	kg
emphara-EMTT/110	LED 2600lm 930	23	30°	ED	351 1084 13...	□ ...0	sg ...5	■ ...4	1,2
	LED 3700lm 930	35	30°	ED	351 2084 13...	□ ...0	sg ...5	■ ...4	1,2
	LED 3700lm 930	35	30°	DALI	351 2086 63...	□ ...0	sg ...5	■ ...4	1,2
	LED 2700lm 940	23	30°	ED	351 1054 13...	□ ...0	sg ...5	■ ...4	1,2
	LED 3800lm 940	35	30°	ED	351 2054 13...	□ ...0	sg ...5	■ ...4	1,2
	LED 3800lm 940	35	30°	DALI	351 2056 63...	□ ...0	sg ...5	■ ...4	1,2



Replacement reflector 40°



Replacement reflector 60°

Accessories	Type	Details	Item-Number	kg
Replacement reflector	40°/D=110	beam angle 40°, highly specular faceted	350 4014 140	0,1
	60°/D=110	beam angle 60°, matt segmented	350 0004 160	0,1







spotty-SYTT



Housing

Phase-track spotlight, can be turned 350° and swiveled 90°. Increased CRI90. Compact spotlight unit made of die-cast aluminium with thermal separated technology housing. Painted traffic white, silvergrey or black.

Lighting technology -SYTT

Direct narrow light distribution. Highly specular faceted reflector made of efficient MIRO-SILVER aluminium with reflection coefficient of 99.8%; Beam angle 30°; clear safety glass; Rated life time = L80 B50 50.000h. Light colour: 4000K or 3000K. Other light colours on request.



DALI-luminaires casambi ready

LC-canopies SA-PS-FLEX 10x or DPSN-PS-FLEX 10x and further system components to be ordered separately P.484-487.

Miscellaneous

Integrated electronic LED driver; connection via universal 3-phase-track adapter, or for dimmable luminaires via 3-phase DALI adapter for DPSNA.



□ traffic white

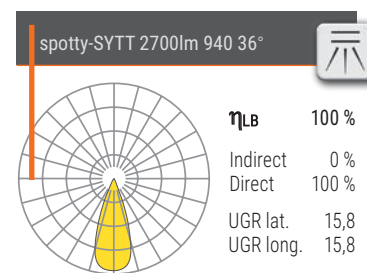
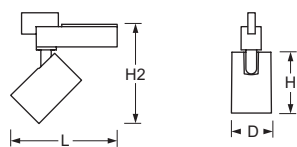


■ sg silvergrey



■ black

Type	L	H	H2	D
spotty-SYTT	201	114	182	75



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	α	Driver	Item-number	Colour	Colour	Colour	kg
spotty-SYTT	LED 2000lm 930	22	30°	ED	359 1014 13...	□ ...0	sg ...5	■ ...4	0,9
	LED 2000lm 930	22	30°	DALI	359 1016 63...	□ ...0	sg ...5	■ ...4	0,9
	LED 2100lm 940	22	30°	ED	359 1024 13...	□ ...0	sg ...5	■ ...4	0,9
	LED 2100lm 940	22	30°	DALI	359 1026 63...	□ ...0	sg ...5	■ ...4	0,9







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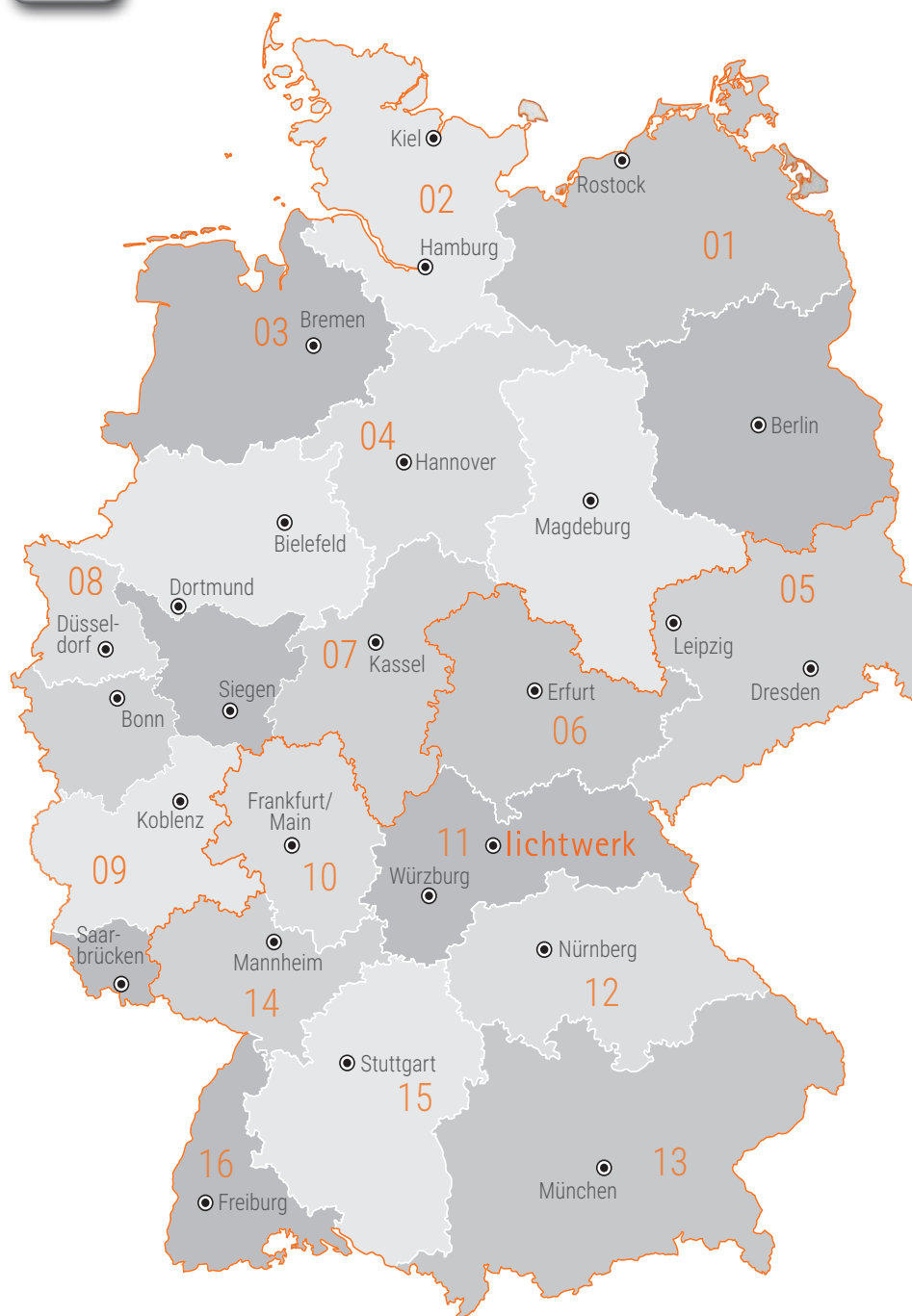
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