













19
20



lichtwerk
inspired by light

Symbol key



Colour code/Colour

	traffic white (similar RAL 9016)
	white-aluminium (similar RAL 9006)
	aluminium natural anodized
	stainless steel
	chrome
	silver
	silver grey
	aluminium
	translucent
	clear
	grit grey
	black (similar RAL 9017)

Control gear

ED	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

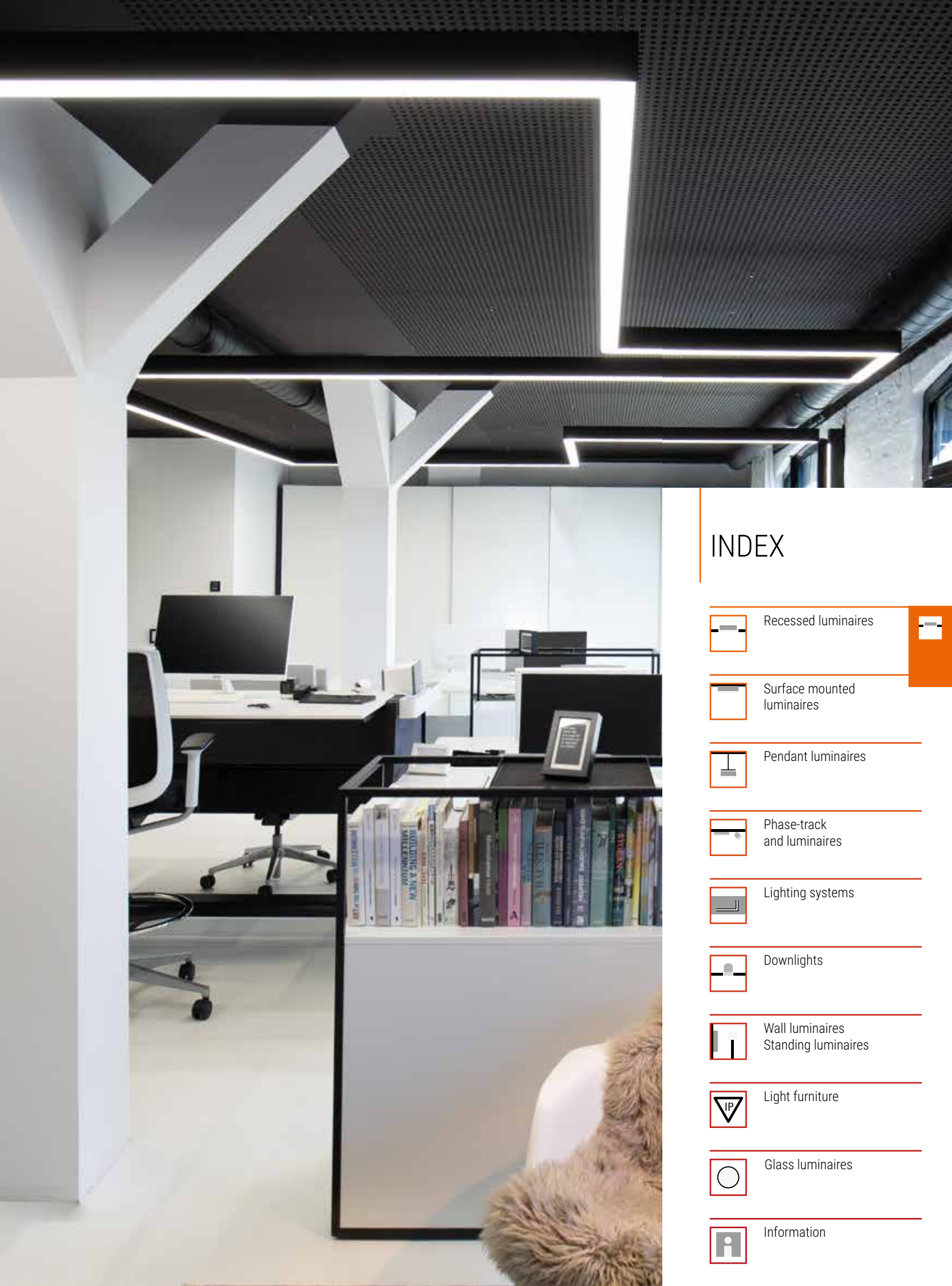
Ceiling systems

	for ceilings with visible T-rails
	for cut-out ceilings

Definition of measurement table variables

L	Length
□L	Length/Width for square luminaires
L2	Additional length
B	Width
H	Height
∅D	Diameter
FL	Length of luminaire base
FB	Width of luminaire base
FD	Diameter of luminaire base
T	Depth
KE	Cable infeed
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 for recessed luminaires
SB	Width of cut for recessed luminaires
SD	Diameter of cut for recessed luminaires
e	Minimum necessary depth for luminaire mounting
Psys	Lighting system performance
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 suspended ceiling





INDEX



Recessed luminaires



Surface mounted luminaires



Pendant luminaires



Phase-track and luminaires



Lighting systems



Downlights



Wall luminaires
Standing luminaires



Light furniture



Glass luminaires



Information





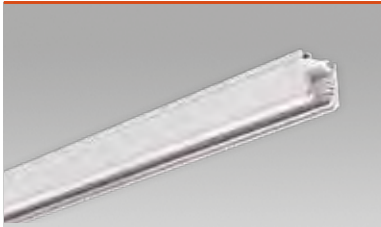
Phase-track and luminaires

3-Phase-track + DALI

Phase-track-luminaires



Phase-track and luminaires



DPSN P. 210



clip-TT-OB P. 216



clip-TT-OTB P. 218



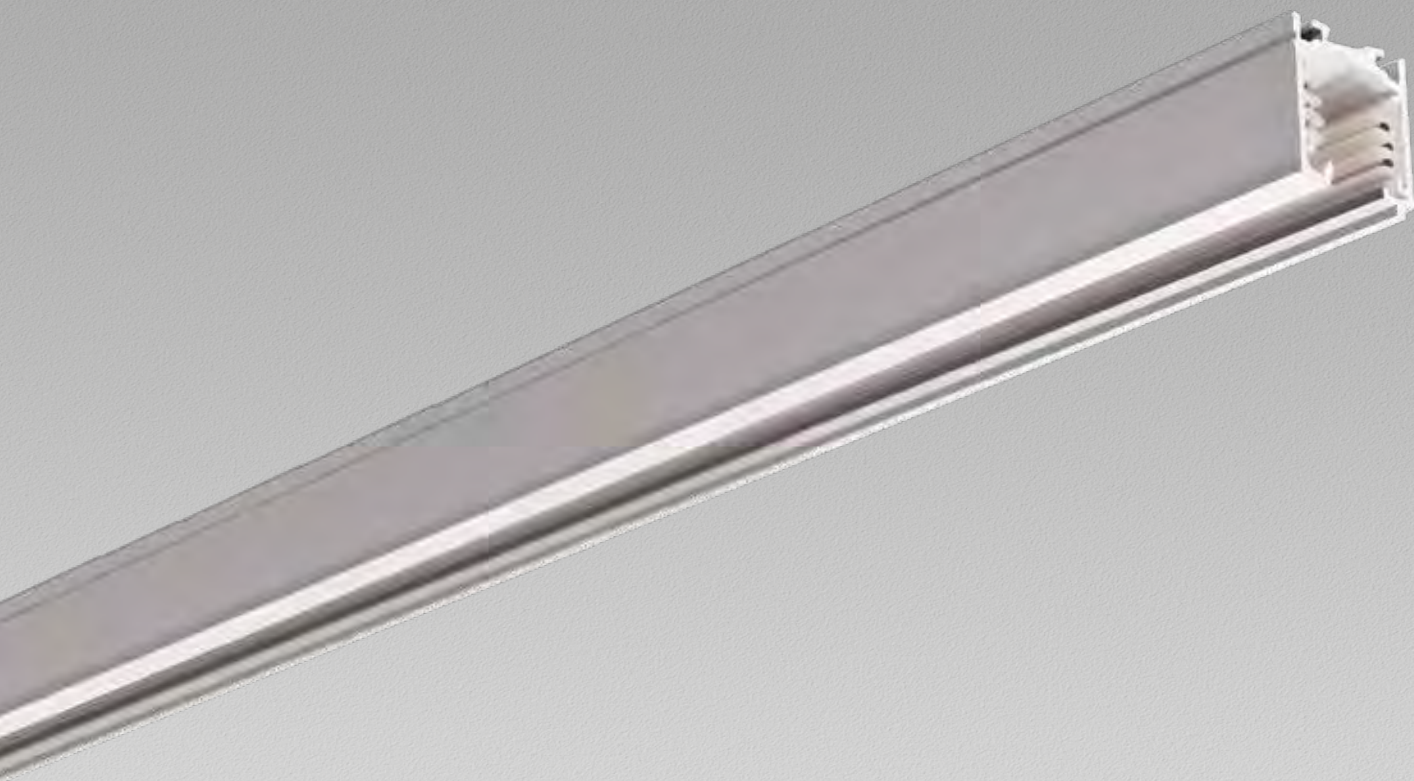
clip-TT-OG P. 220





emphara-EMTT P. 224



spotty-SYTT P. 228



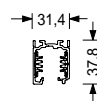
DPSN

IP20  

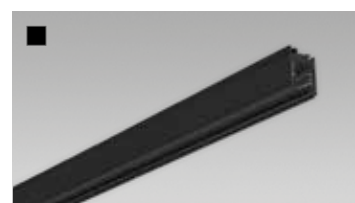
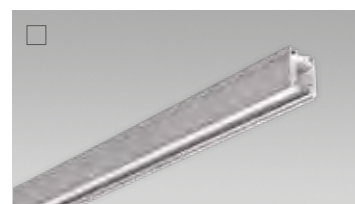
3-phase track + DALI














Extruded aluminium profile, traffic white (similar to RAL 9016), natural anodized or 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. 212



Type	Colour	Material	Details	Item-number	
DPSN-1000		Al	3x 16A + DALI, L=1000mm	324 4100 100	1,1
		Al	3x 16A + DALI, L=1000mm	324 4100 105	1,1
		Al	3x 16A + DALI, L=1000mm	324 4100 104	1,1
DPSN-2000		Al	3x 16A + DALI, L=2000mm	324 4200 100	2,1
		Al	3x 16A + DALI, L=2000mm	324 4200 105	2,1
		Al	3x 16A + DALI, L=2000mm	324 4200 104	2,1
DPSN-3000		Al	3x 16A + DALI, L=3000mm	324 4300 100	3,4
		Al	3x 16A + DALI, L=3000mm	324 4300 105	3,4
		Al	3x 16A + DALI, L=3000mm	324 4300 104	3,4
DPSN-4000		Al	3x 16A + DALI, L=4000mm	324 4400 100	4,5
		Al	3x 16A + DALI, L=4000mm	324 4400 105	4,5
		Al	3x 16A + DALI, L=4000mm	324 4400 104	4,5



DPSN Accessories

Accessoires for 3-phase track + DALI for building various structures.

All power supplies and connectors 7-pin; prepared for DALI wiring.

Mounting material for ceiling or grid ceiling and pendant mounting.

Adapter for connecting various luminaires to the DPSN 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 ☐ ☒



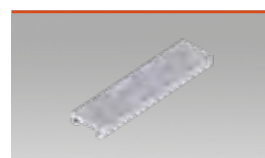
DPSN KF ☐ ☒



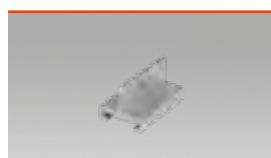
DPSN EK ☐ ☒



DPSN DB ☐ ☒



DPSN SV ☐ ☒



DPSN AK ☐ ☒



DPSN KWI/KWA ☐ ☒



DPSN KTIR/KTIL ☐ ☒



DPSN KX ☐ ☒



DPSN TSB ☐ ☒



DPSN DH ☐ ☒



DPSN CS ☐ ☒



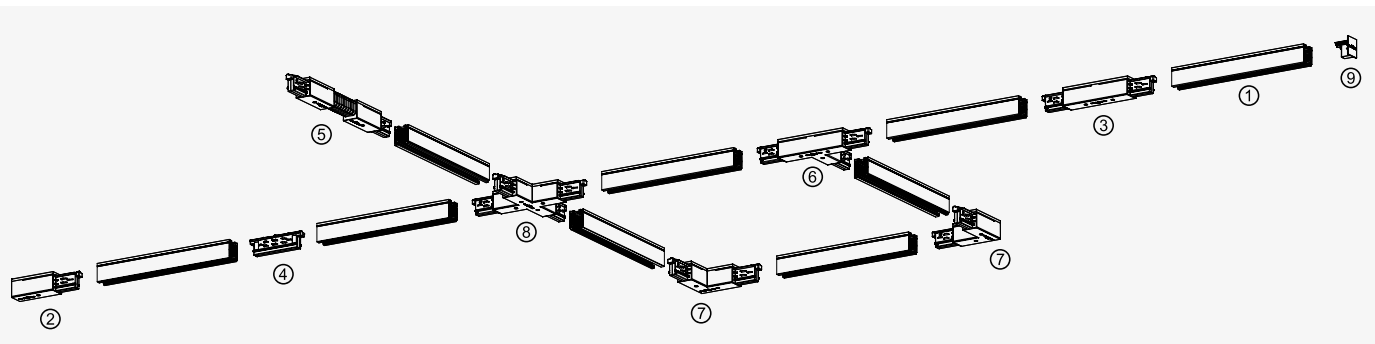
DPSN LBW ☐ ☒







































DPSN AET ☐ ☒



DPSN ADA ☐ ☒



- ① 3-phase track + DPSN DALI
- ② Power supply DPSN ESL/ESR
- ③ Power supply, center DPSN ESM
- ④ Electrical rail connector DPSN KE
- ⑤ Multiflex connector DPSN KF
- ⑥ T-rail connector DPSN KTIL/KTIR
- ⑦ Angle connector DPSN KWA/KWI
- ⑧ Cross connector DPSN KX
- ⑨ End cap DPSN EK

Accessories	Type	Colour	Material	Details	Item-number	kg
 ② Power supply	DPSN ESL		PA	Power supply for DPSN, left	324 4002 100	0,1
			PA	Power supply for DPSN, left	324 4002 104	0,1
	DPSN ESR		PA	Power supply for DPSN, right	324 4001 100	0,1
			PA	Power supply for DPSN, right	324 4001 104	0,1
③ Power supply center	DPSN ESM		PA	Power supply for DPSN, center	324 4003 100	0,19
			PA	Power supply for DPSN, center	324 4003 104	0,19
④ Rail connector	DPSN KE		PA	Rail connector for DPSN, electrical	324 4004 100	0,05
			PA	Rail connector for DPSN, electrical	324 4004 104	0,05
	DPSN KM		PA	Rail connector for DPSN, mechanical	324 4005 100	0,05
			PA	Rail connector for DPSN, mechanical	324 4005 104	0,05
⑤ Rail connector multiflex	DPSN KF		PA	Multiflex connector for DPSN, 0°-360°; horizontal und vertical	324 4006 100	0,24
			PA	Multiflex connector for DPSN, 0°-360°; horizontal und vertical	324 4006 104	0,24
⑥ T-rail connector right	DPSN KTIR		Mix	Rail connector for DPSN, right inside	324 4015 100	0,29
			Mix	Rail connector for DPSN, right inside	324 4015 104	0,29
	DPSN KTIL		Mix	Rail connector for DPSN, left inside	324 4018 100	0,29
			Mix	Rail connector for DPSN, left inside	324 4018 104	0,29
⑦ Angle connector right	DPSN KWI		Mix	Angle connector for DPSN, right inside	324 4014 100	0,19
			Mix	Angle connector for DPSN, right inside	324 4014 104	0,19
	DPSN KWA		Mix	Angle connector for DPSN, left outside	324 4017 100	0,19
			Mix	Angle connector for DPSN, left outside	324 4017 104	0,19
⑧ Cross connector	DPSN KX		Mix	Cross connector for DPSN	324 4019 100	0,38
			Mix	Cross connector for DPSN	324 4019 104	0,38
⑨ End cap	DPSN EK		PA	End cap for DPSN	324 4007 100	0,01
			PA	End cap for DPSN	324 4007 104	0,01
	DPSN TSB		Mix	24mm t-rail mounting for DPSN	324 4020 100	0,01
Mounting 24mm t-rail						
Hook to attach deco elements	DPSN DH		Mix	Ceiling clamp for DPSN	324 4021 100	0,01
			Mix	Ceiling clamp for DPSN	324 4021 105	0,01
Wire suspension (set)	DPSN CS		Mix	Wire suspension set 5200mm	324 4009 115	0,04
Cutting tool	DPSN LBW			for adjusting the length of the copper conductors	324 4010 100	0,1
Adapter	DPSN AET		PC	DPSN-ED-adapter	324 4023 100	0,04
			PC	DPSN-ED-adapter	324 4023 104	0,04
	DPSN ADA		PC	DPSN-DALI-adapter	324 4022 100	0,04
			PC	DPSN-DALI-adapter	324 4022 104	0,04
Ceiling mounting	DPSN DB		Al	Ceiling mounting for DPSN	324 4008 105	0,02
Rail connector	DPSN SV		Al	Rail connector for DPSN	324 4012 105	0,03
Suspension clamp	DPSN AK		Al	Suspension clamp for DPSN	324 4011 105	0,02





Übertöpfe

Werbung!
Zantedeschia
6.49



clip-TT-OB on phase track DPSN

clip-TT-OB

IP20    

Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to 9006) or black (similar to RAL 9005).

Lighting technology -OB

Direct wide light distribution.

Translucent lens optics made of acrylic with additional lateral transmission.

Rated life time = L80 B10 50.000h.

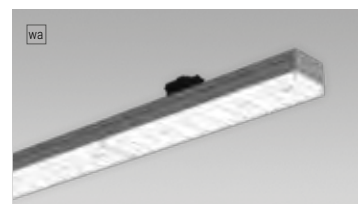
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

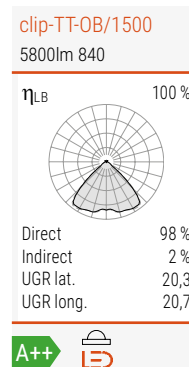
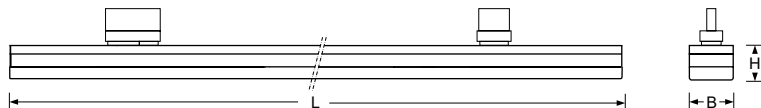
Electrical connection via 3-Phase + DALI track adaption type DPSN (dimnable) or universal adaption for ED (switchable).

Accessories

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



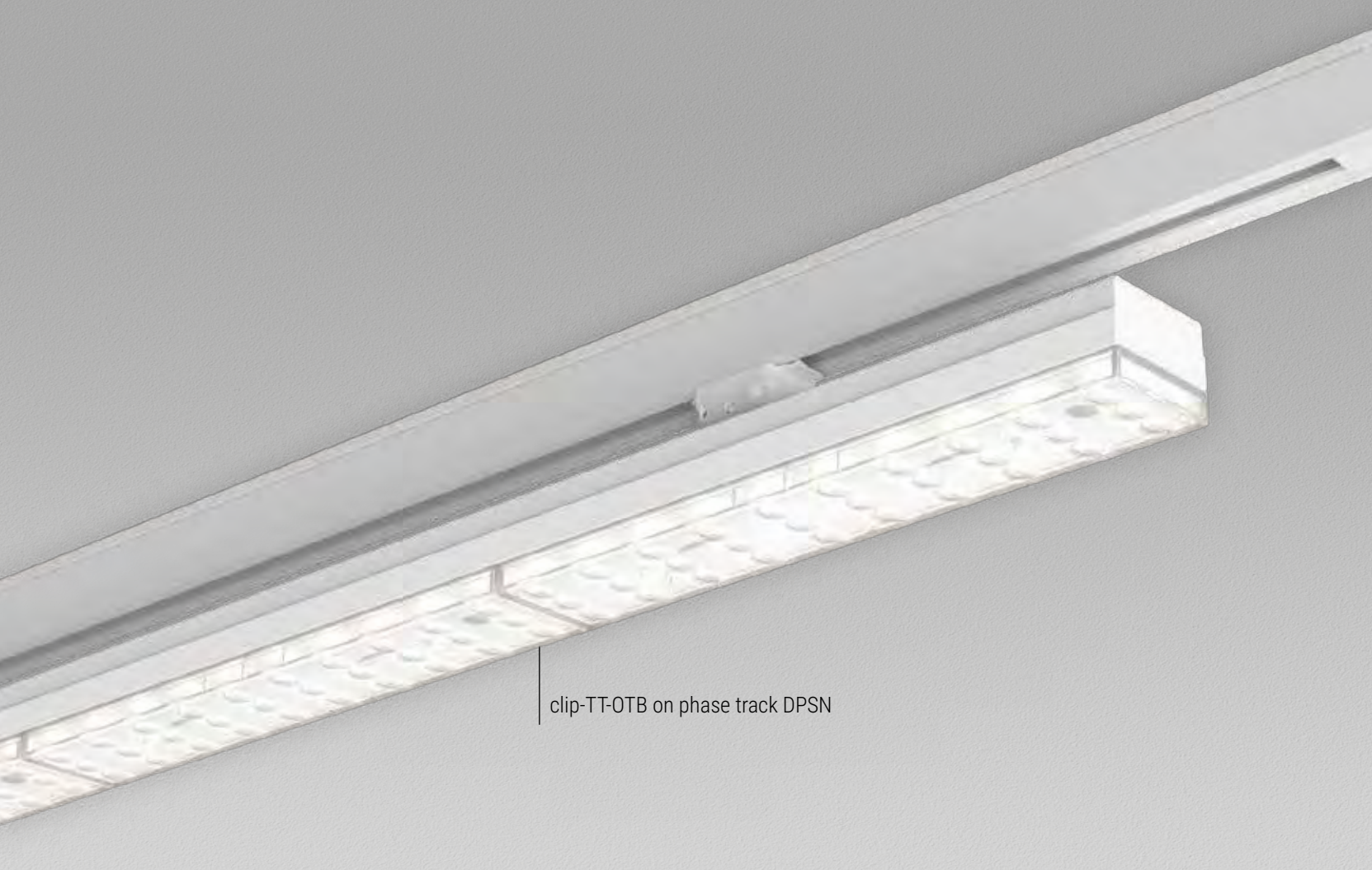
Type	L	B	H
clip-TT/1200	1220	55	40
clip-TT/1500	1525	55	40
clip-TT/1800	1830	55	40



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
clip-TT-OB/1200		LED 4600lm 840	31	772 1444 100	772 1446 600	2,2
		LED 4600lm 840	31	772 1444 106	772 1446 606	2,2
		LED 4600lm 840	31	772 1444 104	772 1446 604	2,2
clip-TT-OB/1500		LED 5800lm 840	39	772 1544 100	772 1546 600	2,8
		LED 5800lm 840	39	772 1544 106	772 1546 606	2,8
		LED 5800lm 840	39	772 1544 104	772 1546 604	2,8
clip-TT-OB/1800		LED 6900lm 840	47	772 1644 100	772 1646 600	3,3
		LED 6900lm 840	47	772 1644 106	772 1646 606	3,3
		LED 6900lm 840	47	772 1644 104	772 1646 604	3,3

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

Accessories	Type	Details	Item-number	
	Tool	clip-TT ERW	Release tool	772 9000 100
				0,2



clip-TT-OTB on phase track DPSN

clip-TT-OTB

IP20      

Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to 9006) or black (similar to RAL 9005).

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.

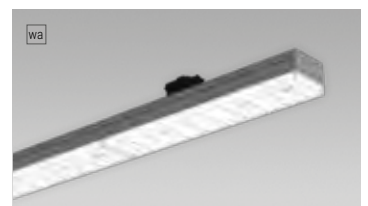
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

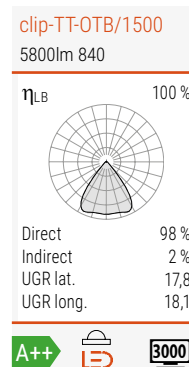
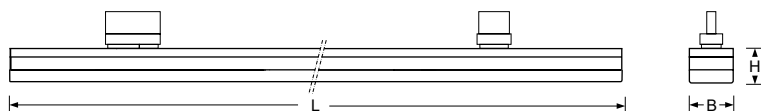
Electrical connection via 3-Phase + DALI track adaption type DPSN (dimmable) or universal adaption for ED (switchable).

Accessories

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




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



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
clip-TT-OTB/1200		LED 4600lm 840	31	772 3444 100	772 3446 600	2,2
		LED 4600lm 840	31	772 3444 106	772 3446 606	2,2
		LED 4600lm 840	31	772 3444 104	772 3446 604	2,2
clip-TT-OTB/1500		LED 5800lm 840	39	772 3544 100	772 3546 600	2,8
		LED 5800lm 840	39	772 3544 106	772 3546 606	2,8
		LED 5800lm 840	39	772 3544 104	772 3546 604	2,8
clip-TT-OTB/1800		LED 6900lm 840	47	772 3644 100	772 3646 600	3,3
		LED 6900lm 840	47	772 3644 106	772 3646 606	3,3
		LED 6900lm 840	47	772 3644 104	772 3646 604	3,3

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

Accessories	Type	Details	Item-number	
	Tool	clip-TT ERW	Release tool	722 9000 100
				0,2



clip-TT-OG on phase track DPSN

clip-TT-OG

IP20

Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016), painted white aluminium (similar to 9006) or black (similar to RAL 9005).

Lighting technology - OG

Direct diffuse radiant.

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

Rated life time = L80 B10 100.000h.

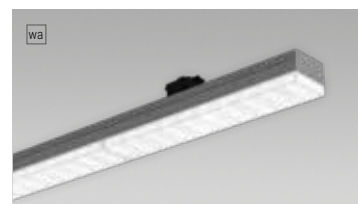
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

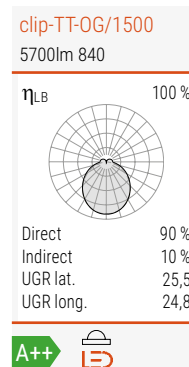
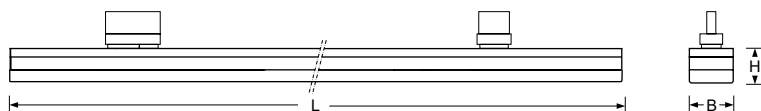
Electrical connection via 3-Phase + DALI track adaption type DPSN (dimnable) or universal adaption for ED (switchable).

Accessories

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



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



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
clip-TT-OG/1200		LED 4500lm 840	31	772 7444 100	772 7446 600	2,2
	wa	LED 4500lm 840	31	772 7444 106	772 7446 606	2,2
		LED 4500lm 840	31	772 7444 104	772 7446 604	2,2
clip-TT-OG/1500		LED 5700lm 840	39	772 7544 100	772 7546 600	2,8
	wa	LED 5700lm 840	39	772 7544 106	772 7546 606	2,8
		LED 5700lm 840	39	772 7544 104	772 7546 604	2,8
clip-TT-OG/1800		LED 6800lm 840	47	772 7644 100	772 7646 600	3,3
	wa	LED 6800lm 840	47	772 7644 106	772 7646 606	3,3
		LED 6800lm 840	47	772 7644 104	772 7646 604	3,3

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

Accessories	Type	Details	Item-number	
	Tool	clip-TT ERW	Release tool	772 9000 100
				0,2







emphara-EMTT

IP20    

Housing

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

Lighting technology -EMTT

Direkt narrow distribution.
reflector made of highly faceted reflector 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.

Miscellaneous

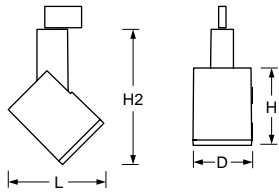
Integrated electronic LED driver; connection via universal 3-phase track adapter, or for dimmable luminaires via 3-phase DALI adapter for DPSN.

Accessories

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



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

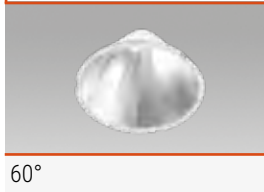


emphara-EMTT	
3000lm 840 30°	
η_{LB}	100 %
Direct	100 %
Indirect	0 %
UGR lat.	16,6
UGR long.	16,6
A++	

Replacement reflector



Replacement reflector



Type	LED Specification	α	P _{sys} (W)	Colour	ED	DALI	Σ kg
emphara-EMTT/110	LED 2900lm 830	30°	25		351 1014 130	351 1016 630	1,2
	LED 2900lm 830	30°	25		351 1014 135	351 1016 635	1,2
	LED 2900lm 830	30°	25		351 1014 134	351 1016 634	1,2
	LED 3900lm 830	30°	36		351 2014 130	351 2016 630	1,2
	LED 3900lm 830	30°	36		351 2014 135	351 2016 635	1,2
	LED 3900lm 830	30°	36		351 2014 134	351 2016 634	1,2
	LED 3000lm 840	30°	25		351 1024 130	351 1026 630	1,2
	LED 3000lm 840	30°	25		351 1024 135	351 1026 635	1,2
	LED 3000lm 840	30°	25		351 1024 134	351 1026 634	1,2
	LED 4100lm 840	30°	36		351 2024 130	351 2026 630	1,2
	LED 4100lm 840	30°	36		351 2024 135	351 2026 635	1,2
	LED 4100lm 840	30°	36		351 2024 134	351 2026 634	1,2

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

Accessories	Type	Colour	Material	Details	Item-number	Σ kg
	Replacement reflector		Al	beam angle 40°, highly specular faceted	350 4014 140	0,1
			Al	beam angle 60°, matt segmented	350 0004 160	0,1







spotty-SYTT

IP20    

Housing

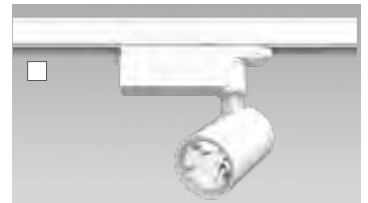
LED track spotlight, can be turned 350° and swivels 90°. Increased CRI90. Compact spotlight unit made of die-cast aluminium with thermal separated technology housing. Painted traffic white, silver or black.

Lighting technology -SYTT

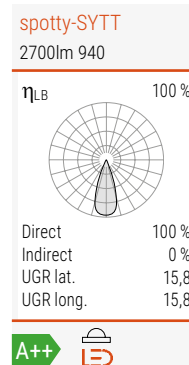
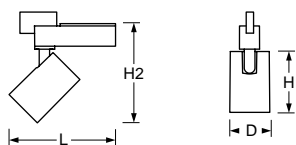
Direct narrow light distribution. Light distribution using matt segmented reflector made of highly efficient MIRO-SILVER aluminium with reflection coefficient of 99.8%; Beam angle 36°; clear safety glass; Rated life time = L80 B50 50.000h. Light colour: 4000K or 3000K. Other light colours on request.








Miscellaneous

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



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



Type	LED Specification	α	P _{sys} (W)	Colour	ED	DALI	
spotty-SYTT	LED 2600lm 930	36°	24		359 1014 130	359 1016 630	0,9
	LED 2600lm 930	36°	24		359 1014 135	359 1016 635	0,9
	LED 2600lm 930	36°	24		359 1014 134	359 1016 634	0,9
	LED 2700lm 940	36°	24		359 1024 130	359 1026 630	0,9
	LED 2700lm 940	36°	24		359 1024 135	359 1026 635	0,9
	LED 2700lm 940	36°	24		359 1024 134	359 1026 634	0,9

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







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