

LINEA



INDOOR
SURFACE-MOUNTED
CIRCULAR
DUSTPROOF



LINEA – circular light fittings



LINEA ROUND
p. 114



IP54

LINEA ROUND
p. 114

LINEA ROUND



... indoor circular, plastic, surface-mounting light fitting.

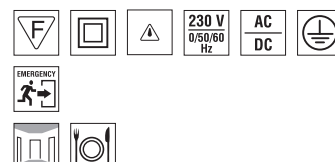
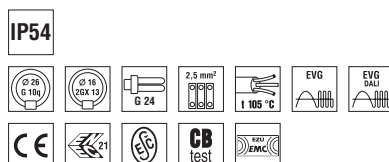
USE

The Linea light fitting line can be used as a comprehensive solution for lighting of office buildings, schools, hospitals, libraries, as well as individual lighting of flat interiors, corridors, sanitary and welfare facilities.

ADVANTAGES

- Light fitting protection **IP54**
- Diffuser: translucent polycarbonate (PC) = high light transmission
- Simple and quick opening of light fitting by its turning in bayonet lock
- Certification: ESĆ, ENEC, CB

It is also available in a **LED** design.
More information is in the TREVOS catalogue of LED light fittings marked as LINEA ROUND.

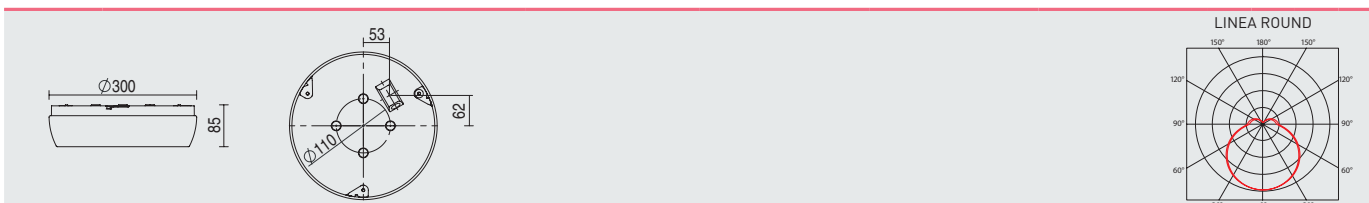


LINEA ROUND



TECHNICAL DESCRIPTION

- Diffuser: translucent polycarbonate (PC), UV stable, impact-resistant
- Body: white polycarbonate (PC), UV stable, impact-resistant
- Reflector: steel sheet, white colour (RAL 9003)
- Rotary cap: polyamide + 10 % glass fibre
- Sealing: polyurethane (PUR), foamed body groove
- Cable glands: rubber, SBS
- Terminal block: screwless, five-pole (basic version)
- Electric equipment: electronic ballast T8; electronic ballast T5; electronic ballast DALI
- Light fitting protection: IP54



Code	Type	Light sources [W]	Lampholder	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]
Diffuser made of translucent polycarbonate - for circular fluorescent lamp						
63710	LINEA ROUND 122 E	1x22	T9 C/G10Q	1350*	64	1,9
63720	LINEA ROUND 122 ET5	1x22	T5 FC/2Gx13	1900*	64	1,7
Diffuser made of translucent polycarbonate - for compact fluorescent lamps						
63730	LINEA ROUND 118 E	1x18	G24q-2	1200*	69	1,5
63740	LINEA ROUND 126 E	1x26	G24q-3	1800*	69	1,5
63750	LINEA ROUND 218 E	2x18	G24q-2	2400*	69	1,7
63760	LINEA ROUND 226 E	2x26	G24q-3	3600*	69	1,7

* - total luminous flux of the light fitting at the temperature of 25 °C

LINEA ROUND

Diffuser made of translucent polycarbonate

Code	Type	M1h	ER DIM	ER DIM M1h	ER DALI	ER DALI M1h	Senzor	Senzor M1h
63710	LINEA ROUND 122 E	63714	x	x	x	x	63711	63712
63720	LINEA ROUND 122 ET5	63724	x	x	63726	x	63721	63722
63730	LINEA ROUND 118 E	x	x	x	63736	x	x	x
63740	LINEA ROUND 126 E	x	x	x	63746	x	x	x
63750	LINEA ROUND 218 E	x	x	x	63756	x	x	x
63760	LINEA ROUND 226 E	x	x	x	63766	x	x	x

Example of type marking: 63727 = LINEA ROUND 122 **ER DALI M1h**

LEGEND

- E** – electronic ballast T8
- ET5** – electronic ballast T5
- ER/ERT5 DALI** – version with electronic digital dimmable ballast controlled by DALI protocol
- ER/ERT5 DIM** – version with electronic analogue dimmable ballast 1-10 V
- Senzor** – microwave motion sensor

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
 - M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
- Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING DETAILED VIEW

LINEA SQUARE



LIGHT FITTING ATTACHMENT

Directly to a ceiling or a wall with the use of screws



ST



BATTEN
INDOOR
FLUORESCENT



ST – indoor batten fluorescent light fittings



ST T5
p. 118



ST T5
p. 119



ST OR T5
p. 122

IP20

ST T8
p. 125



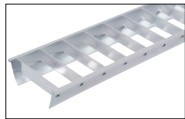
ST T8
p. 126



ST R T8
p. 128

IP20

ST
ACCESSORIES
p. 130



ST T5
p. 130



ST T8
p. 132

ST T5



... indoor batten fluorescent light fitting.

USE

The light fitting is suitable for assembly and production shop floors, supermarkets, warehouses and hallways. The light fitting is suitable for composing long illuminating rows.

ADVANTAGES

- Light fitting protection: **IP20**
- Reflector: opalized acrylate (OP), louvre made of aluminium sheet - polished (PAR) or matted (MAT), excellent optical characteristics
- Easy installation into rows in version with Wieland external terminal block
- Unified size for both single-tube and double-tube version
- Up to 10 % lower electricity consumption when compared to electronic ballast T8
- Up to 40 % lower electricity consumption when compared to inductive ballast T8
- Up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
- Up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
- Maximum luminous flux of the light fitting T5 is achieved at 35 °C (T8 at 25 °C)
- It can be delivered in dimmable or emergency version

IP20

Ø 16
0.5

±2.5 mm

1 105 °C

EVG

EVG DMX

EVG DALI

CE

EMC

F

230 V
0.5/0.60
Hz

AC
DC

⊕

1F

3F

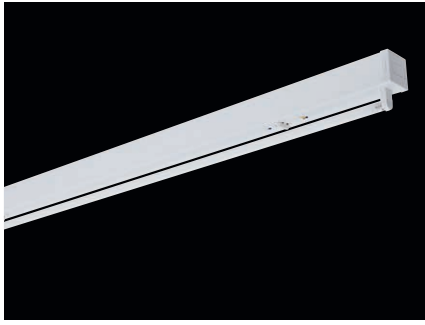
EMERGENCY

⚙️

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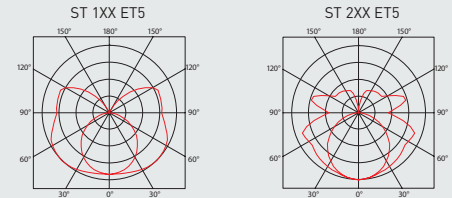
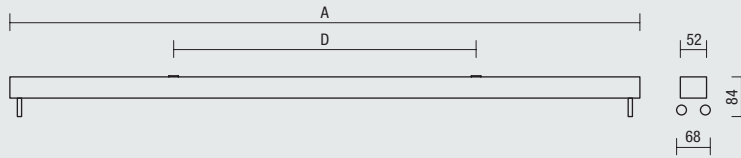
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ST T5



TECHNICAL DESCRIPTION

- Body: steel sheet, white colour (RAL 9003)
- Side covers: white polyamide (PA) or white steel sheet (RAL 9003) in S3F version
- Cable glands: rubber (SBS)
- Terminal block: screwed, three-pole (basic version)
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20



Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Without reflector - electronic ballast HE (effective line) - T5/G5							
27010	ST 114 ET5	1x14	1350*	95	1.1	600	400
27020	ST 128 ET5	1x28	2900*	95	1.7	1200	600
27030	ST 135 ET5	1x35	3650*	95	2.5	1500	900
27040	ST 214 ET5	2x14	2700*	88	1.2	600	400
27050	ST 228 ET5	2x28	5800*	88	1.8	1200	600
27060	ST 235 ET5	2x35	7300*	88	2.6	1500	900
Without reflector - electronic ballast HO (performance line) - T5/G5							
27015	ST 124 ET5	1x24	2000*	95	1.1	600	400
27025	ST 154 ET5	1x54	5000*	95	1.7	1200	600
27075	ST 149 ET5	1x49	4900*	95	2.5	1500	900
27035	ST 180 ET5	1x80	7000*	95	2.5	1500	900
27045	ST 224 ET5	2x24	4000*	88	1.2	600	400
27055	ST 254 ET5	2x54	10000*	88	1.8	1200	600
27085	ST 249 ET5	2x49	9800*	88	2.6	1500	900
27065	ST 280 ET5	2x80	14000*	88	2.6	1500	900

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

ST T5

Code	Type
27010	ST 114 ET5
27020	ST 128 ET5
27030	ST 135 ET5
27040	ST 214 ET5
27050	ST 228 ET5
27060	ST 235 ET5
27015	ST 124 ET5
27025	ST 154 ET5
27075	ST 149 ET5
27035	ST 180 ET5
27045	ST 224 ET5
27055	ST 254 ET5
27085	ST 249 ET5
27065	ST 280 ET5

Without reflector - electronic ballast T5

	1F	3F	M1h	M3h	3F M1h	3F M3h
	x	x	x	x	x	x
	27022	27002	27027	x	27007	x
	27032	27012	27037	x	27017	x
	x	x	x	x	x	x
	27052	27082	27057	x	27087	x
	27062	27092	27067	x	27097	x
	x	x	x	x	x	x
	27026	27006	27028	x	27008	x
	27046	27044	27048	x	27049	x
	27036	27016	27038	x	27018	x
	x	x	x	x	x	x
	27056	27086	27058	x	27088	x
	27076	27074	27078	x	27079	x
	27066	27096	27068	x	27098	x

Example of type marking: 27096 = ST 280 **3F** ET5

ST T5 ER DIM

Without reflector, electronic analogue dimmable ballast T5 DIM 1–10 V

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
27510	ST 114 ERT5 DIM	x	x	x	x	x	x
27520	ST 128 ERT5 DIM	27522	27502	27727	x	27707	x
27530	ST 135 ERT5 DIM	27532	27512	27737	x	27717	x
27540	ST 214 ERT5 DIM	x	x	x	x	x	x
27550	ST 228 ERT5 DIM	27552	27582	27757	x	27787	x
27560	ST 235 ERT5 DIM	27562	27592	27767	x	27797	x
27515	ST 124 ERT5 DIM	x	x	x	x	x	x
27525	ST 154 ERT5 DIM	27526	27506	27724	x	27704	x
27575	ST 149 ERT5 DIM	27546	27544	27744	x	27747	x
27535	ST 180 ERT5 DIM	27536	27516	27734	x	27714	x
27545	ST 224 ERT5 DIM	x	x	x	x	x	x
27555	ST 254 ERT5 DIM	27556	27586	27754	x	27784	x
27585	ST 249 ERT5 DIM	27576	27574	27774	x	27777	x
27565	ST 280 ERT5 DIM	27566	27596	27764	x	27794	x

ST T5 ER DALI

Without reflector, electronic digital dimmable ballast T5 DALI

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
27511	ST 114 ERT5 DALI	x	x	x	x	x	x
27521	ST 128 ERT5 DALI	27523	27503	27728	x	27708	x
27531	ST 135 ERT5 DALI	27533	27513	27738	x	27718	x
27541	ST 214 ERT5 DALI	x	x	x	x	x	x
27551	ST 228 ERT5 DALI	27553	27583	27758	x	27788	x
27561	ST 235 ERT5 DALI	27563	27593	27768	x	27798	x
27517	ST 124 ERT5 DALI	x	x	x	x	x	x
27527	ST 154 ERT5 DALI	27528	27508	27723	x	27703	x
27577	ST 149 ERT5 DALI	27548	27549	27743	x	27748	x
27537	ST 180 ERT5 DALI	27538	27518	27733	x	27713	x
27547	ST 224 ERT5 DALI	x	x	x	x	x	x
27557	ST 254 ERT5 DALI	27558	27588	27753	x	27783	x
27587	ST 249 ERT5 DALI	27578	27579	27773	x	27778	x
27567	ST 280 ERT5 DALI	27568	27598	27763	x	27793	x

ST T5 S1F

Without reflector, electronic ballast T5, through-wiring with the use of external terminal blocks Wieland (S) GST18i3

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
27210	ST 114 S1F ET5	x	x	x	x	x	x	x	x
27220	ST 128 S1F ET5	x	x	x	x	x	x	x	x
27230	ST 135 S1F ET5	x	x	x	x	x	x	x	x
27240	ST 214 S1F ET5	x	x	x	x	x	x	x	x
27250	ST 228 S1F ET5	x	x	x	x	x	x	x	x
27260	ST 235 S1F ET5	x	x	x	x	x	x	x	x
27215	ST 124 S1F ET5	x	x	x	x	x	x	x	x
27225	ST 154 S1F ET5	x	x	x	x	x	x	x	x
27275	ST 149 S1F ET5	x	x	x	x	x	x	x	x
27235	ST 180 S1F ET5	x	x	x	x	x	x	x	x
27245	ST 224 S1F ET5	x	x	x	x	x	x	x	x
27255	ST 254 S1F ET5	x	x	x	x	x	x	x	x
27285	ST 249 S1F ET5	x	x	x	x	x	x	x	x
27265	ST 280 S1F ET5	x	x	x	x	x	x	x	x

ST T5 S3F

Without reflector, electronic ballast T5, through-wiring with the use of external terminal blocks Wieland (S) GST15i5

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
27212	ST 114 S3F ET5	x	x	x	x	x	x	x	x
27222	ST 128 S3F ET5	27228	x	27223	x	x	27224	x	x
27232	ST 135 S3F ET5	27238	x	27233	x	x	27234	x	x
27242	ST 214 S3F ET5	x	x	x	x	x	x	x	x
27252	ST 228 S3F ET5	27258	x	27253	x	x	27254	x	x
27262	ST 235 S3F ET5	27268	x	27263	x	x	27264	x	x
27216	ST 124 S3F ET5	x	x	x	x	x	x	x	x
27226	ST 154 S3F ET5	27208	x	27227	x	x	27221	x	x
27276	ST 149 S3F ET5	27248	x	27277	x	x	27271	x	x
27236	ST 180 S3F ET5	27218	x	27237	x	x	27231	x	x
27246	ST 224 S3F ET5	x	x	x	x	x	x	x	x
27256	ST 254 S3F ET5	27288	x	27257	x	x	27251	x	x
27286	ST 249 S3F ET5	27278	x	27287	x	x	27281	x	x
27266	ST 280 S3F ET5	27298	x	27267	x	x	27261	x	x

Example of type marking: 27261 = ST 280 S3F **ERT5 DALI**

LEGEND

ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol

ERT5 DIM – version with electronic analogue dimmable ballast 1–10 V

1F – 1 phase wiring cables for through-wiring

3F – 3 phase wiring cables for through-wiring

S1F – external terminal block Wieland, 1 phase wiring cables for through-wiring

S3F – external terminal block Wieland, 3 phase wiring cables for through-wiring

M1h – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination

M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

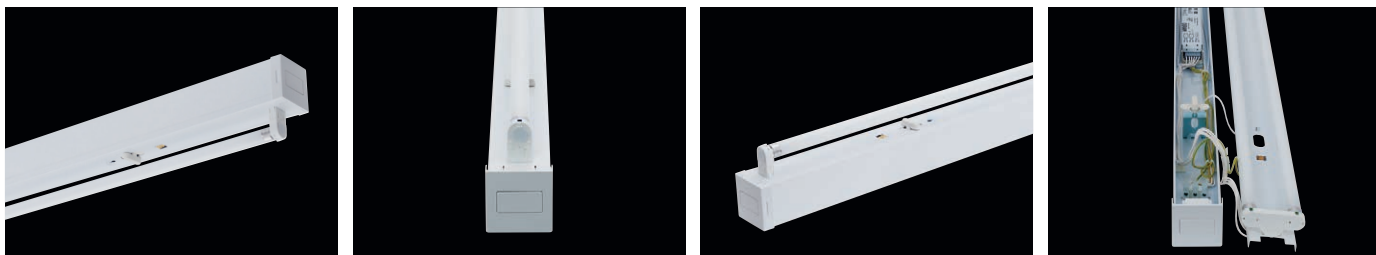
a) Attachment with the use of a busbar system holder or a wire-cord suspension

b) Directly to a ceiling or a wall with the use of screws



LIGHT FITTING DETAILED VIEW

ST T5



ST OR T5



TECHNICAL DESCRIPTION

- Body: steel sheet, white colour (RAL 9003)
- Reflector: rounded steel sheet (OR), white colour RAL 9003
- Side covers: white polyamide (PA) or white steel sheet (RAL 9003)
- Cable glands: rubber (SBS)
- Terminal block: screwed, three-pole (basic version)
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Rounded reflector (OR) - electronic ballast HE (effective line) - T5/G5							
27110	ST 114 OR ET5	1x14	1350*	84	1.6	600	400
27120	ST 128 OR ET5	1x28	2900*	84	2.9	1200	600
27130	ST 135 OR ET5	1x35	3650*	84	4.0	1500	900
27140	ST 214 OR ET5	2x14	2700*	83	1.6	600	400
27150	ST 228 OR ET5	2x28	5800*	83	2.9	1200	600
27160	ST 235 OR ET5	2x35	7300*	83	4.0	1500	900
Rounded reflector (OR) - electronic ballast HO (performance line) - T5/G5							
27115	ST 124 OR ET5	1x24	2000*	84	1.6	600	400
27125	ST 154 OR ET5	1x54	5000*	84	2.9	1200	600
27175	ST 149 OR ET5	1x49	4900*	84	4.0	1500	900
27135	ST 180 OR ET5	1x80	7000*	84	4.0	1500	900
27145	ST 224 OR ET5	2x24	4000*	83	1.6	600	400
27155	ST 254 OR ET5	2x54	10000*	83	2.9	1200	600
27185	ST 249 OR ET5	2x49	9800*	83	4.0	1500	900
27165	ST 280 OR ET5	2x80	14000*	83	4.0	1500	900

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

ST T5 OR

Code	Type	Rounded reflector (OR), electronic ballast T5					
		1F	3F	M1h	M3h	3F M1h	3F M3h
27110	ST 114 OR ET5	x	x	x	x	x	x
27120	ST 128 OR ET5	27122	27102	27127	x	27107	x
27130	ST 135 OR ET5	27132	27112	27137	x	27117	x
27140	ST 214 OR ET5	x	x	x	x	x	x
27150	ST 228 OR ET5	27152	27182	27157	x	27187	x
27160	ST 235 OR ET5	27162	27192	27167	x	27197	x
27115	ST 124 OR ET5	x	x	x	x	x	x
27125	ST 154 OR ET5	27126	27106	27128	x	27108	x
27175	ST 149 OR ET5	27146	27144	27148	x	27149	x
27135	ST 180 OR ET5	27136	27116	27138	x	27118	x
27145	ST 224 OR ET5	x	x	x	x	x	x
27155	ST 254 OR ET5	27156	27186	27158	x	27188	x
27185	ST 249 OR ET5	27176	27174	27178	x	27179	x
27165	ST 280 OR ET5	27166	27196	27168	x	27198	x

Example of type marking: 27196 = ST 280 OR **3F** ET5

ST T5 OR ER DIM

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
27610	ST 114 OR ERT5 DIM	x	x	x	x	x	x
27620	ST 128 OR ERT5 DIM	27622	27602	27927	x	27907	x
27630	ST 135 OR ERT5 DIM	27632	27612	27937	x	27917	x
27640	ST 214 OR ERT5 DIM	x	x	x	x	x	x
27650	ST 228 OR ERT5 DIM	27652	27682	27957	x	27987	x
27660	ST 235 OR ERT5 DIM	27662	27692	27967	x	27997	x
27615	ST 124 OR ERT5 DIM	x	x	x	x	x	x
27625	ST 154 OR ERT5 DIM	27626	27606	27924	x	27904	x
27675	ST 149 OR ERT5 DIM	27646	27644	27944	x	27947	x
27635	ST 180 OR ERT5 DIM	27636	27616	27934	x	27914	x
27645	ST 224 OR ERT5 DIM	x	x	x	x	x	x
27655	ST 254 OR ERT5 DIM	27656	27686	27954	x	27984	x
27685	ST 249 OR ERT5 DIM	27676	27674	27974	x	27977	x
27665	ST 280 OR ERT5 DIM	27666	27696	27964	x	27994	x

Rounded reflector (OR), electronic analogue dimmable ballast T5 DIM 1-10 V

ST T5 OR ER DALI

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
27611	ST 114 OR ERT5 DALI	x	x	x	x	x	x
27621	ST 128 OR ERT5 DALI	27623	27603	27928	x	27908	x
27631	ST 135 OR ERT5 DALI	27633	27613	27938	x	27918	x
27641	ST 214 OR ERT5 DALI	x	x	x	x	x	x
27651	ST 228 OR ERT5 DALI	27653	27683	27958	x	27988	x
27661	ST 235 OR ERT5 DALI	27663	27693	27968	x	27998	x
27617	ST 124 OR ERT5 DALI	x	x	x	x	x	x
27627	ST 154 OR ERT5 DALI	27628	27608	27923	x	27903	x
27677	ST 149 OR ERT5 DALI	27648	27649	27943	x	27948	x
27637	ST 180 OR ERT5 DALI	27638	27618	27933	x	27913	x
27647	ST 224 OR ERT5 DALI	x	x	x	x	x	x
27657	ST 254 OR ERT5 DALI	27658	27688	27953	x	27983	x
27687	ST 249 OR ERT5 DALI	27678	27679	27973	x	27978	x
27667	ST 280 OR ERT5 DALI	27668	27698	27963	x	27993	x

Rounded reflector (OR), electronic digital dimmable ballast T5 DALI

ST T5 OR S1F

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI M1h	ERT5 DALI M3h
27310	ST 114 OR S1F ET5	x	x	x	x	x	x	x
27320	ST 128 OR S1F ET5	x	x	x	x	x	x	x
27330	ST 135 OR S1F ET5	x	x	x	x	x	x	x
27340	ST 214 OR S1F ET5	x	x	x	x	x	x	x
27350	ST 228 OR S1F ET5	x	x	x	x	x	x	x
27360	ST 235 OR S1F ET5	x	x	x	x	x	x	x
27315	ST 124 OR S1F ET5	x	x	x	x	x	x	x
27325	ST 154 OR S1F ET5	x	x	x	x	x	x	x
27375	ST 149 OR S1F ET5	x	x	x	x	x	x	x
27335	ST 180 OR S1F ET5	x	x	x	x	x	x	x
27345	ST 224 OR S1F ET5	x	x	x	x	x	x	x
27355	ST 254 OR S1F ET5	x	x	x	x	x	x	x
27385	ST 249 OR S1F ET5	x	x	x	x	x	x	x
27365	ST 280 OR S1F ET5	x	x	x	x	x	x	x

Rounded reflector (OR), electronic ballast T5, through-wiring with the use of external terminal blocks Wieland (S) GST18i3

ST T5 OR S3F

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI M1h	ERT5 DALI M3h
27312	ST 114 OR S3F ET5	x	x	x	x	x	x	x
27322	ST 128 OR S3F ET5	27328	x	27323	x	x	27324	x
27332	ST 135 OR S3F ET5	27338	x	27333	x	x	27334	x
27342	ST 214 OR S3F ET5	x	x	x	x	x	x	x
27352	ST 228 OR S3F ET5	27358	x	27353	x	x	27354	x
27362	ST 235 OR S3F ET5	27368	x	27363	x	x	27364	x
27316	ST 124 OR S3F ET5	x	x	x	x	x	x	x
27326	ST 154 OR S3F ET5	27308	x	27327	x	x	27321	x
27376	ST 149 OR S3F ET5	27348	x	27377	x	x	27371	x
27336	ST 180 OR S3F ET5	27318	x	27337	x	x	27331	x
27346	ST 224 OR S3F ET5	x	x	x	x	x	x	x
27356	ST 254 OR S3F ET5	27388	x	27357	x	x	27351	x
27386	ST 249 OR S3F ET5	27378	x	27387	x	x	27381	x
27366	ST 280 OR S3F ET5	27398	x	27367	x	x	27361	x

Rounded reflector (OR), electronic ballast T5, through-wiring with the use of external terminal blocks Wieland (S) GST15i5

Example of type marking: 27361 = ST 280 OR S3F ERT5 DALI

LEGEND

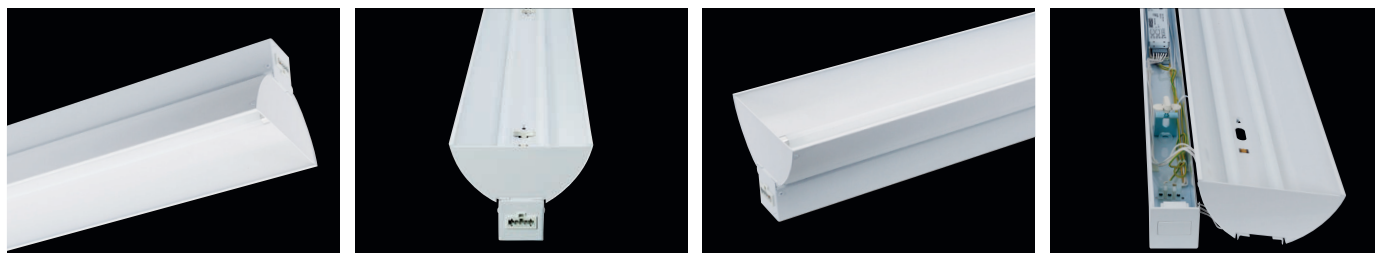
- ERT5 DALI** – version with electronic digital dimmable ballast controlled by DALI protocol
- ERT5 DIM** – version with electronic analogue dimmable ballast 1–10 V
- 1F** – 1 phase wiring cables for through-wiring
- 3F** – 3 phase wiring cables for through-wiring
- S1F** – external terminal block Wieland, 1 phase wiring cables for through-wiring
- S3F** – external terminal block Wieland, 3 phase wiring cables for through-wiring
- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
- M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
- Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

- a) Attachment with the use of a busbar system holder or a wire-cord suspension
- b) Directly to a ceiling or a wall with the use of screws

**LIGHT FITTING DETAILED VIEW**

ST OR T5



ST T8



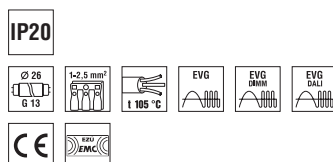
... indoor batten fluorescent light fitting.

USE

The light fitting is suitable for assembly and production shop floors, supermarkets, warehouses and hallways. The light fitting is suitable for composing long illuminating rows.

ADVANTAGES

- Light fitting protection: **IP20**
- Easy installation into rows in version with Wieland external terminal block
- Unified size for both single-tube and double-tube version
- Up to 30 % lower electricity consumption in DALI, DIM version
- It can be delivered in dimmable or emergency version

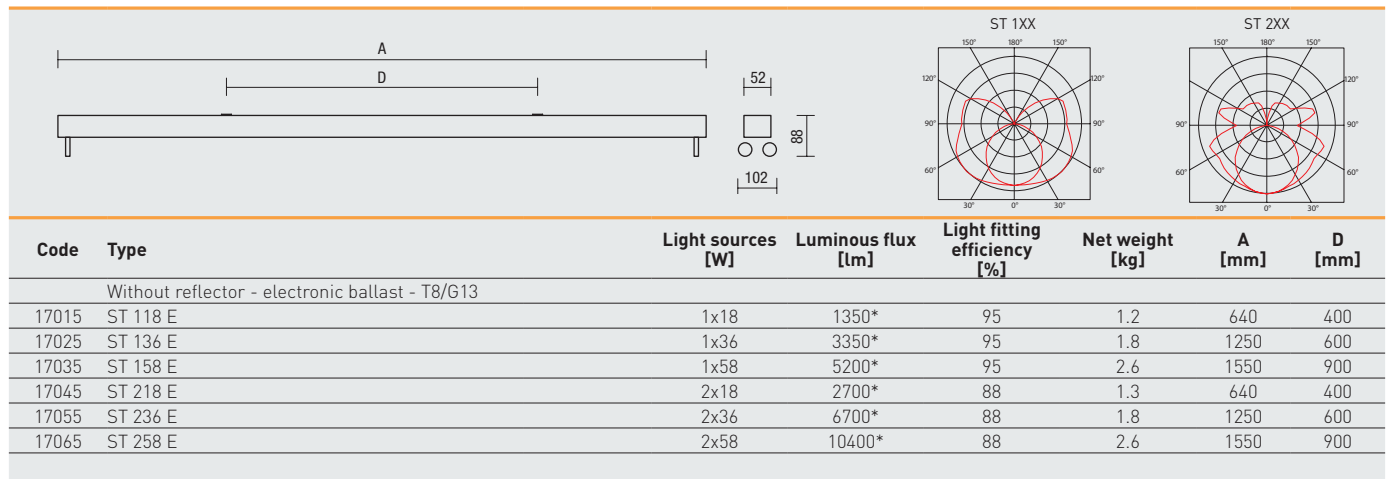


ST T8



TECHNICAL DESCRIPTION

- Body: steel sheet, white colour (RAL 9003)
- Side covers: white polyamide (PA) or white steel sheet (RAL 9003) in S3F version
- Cable glands: rubber (SBS)
- Electric equipment: electronic ballast T8; T8 DALI or T8 DIM
- Terminal block: screwed, three-pole (basic version)
- Light fitting protection: IP20



* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

ST T8 E

Without reflector, electronic ballast T8

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
17015	ST 118 E	x	x	x	x	x	x
17025	ST 136 E	17026	17006	17028	x	17008	x
17035	ST 158 E	17036	17016	17038	x	17018	x
17045	ST 218 E	x	x	x	x	x	x
17055	ST 236 E	17056	17086	17058	x	17088	x
17065	ST 258 E	17066	17096	17068	x	17098	x

ST T8 ER DIM

Without reflector, electronic analogue dimmable ballast T8 DIM 1-10 V

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
17525	ST 136 ER DIM	17526	17506	17527	x	17507	x
17535	ST 158 ER DIM	17536	17516	17537	x	17517	x
17555	ST 236 ER DIM	17556	17586	17557	x	17587	x
17565	ST 258 ER DIM	17566	17596	17567	x	17597	x

ST T8 ER DALI

Without reflector, electronic digital dimmable ballast T8 DALI

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
17523	ST 136 ER DALI	17524	17504	17528	x	17508	x
17533	ST 158 ER DALI	17534	17514	17538	x	17518	x
17553	ST 236 ER DALI	17554	17584	17558	x	17588	x
17563	ST 258 ER DALI	17564	17594	17568	x	17598	x

Example of type marking: 17594 = ST 258 ER DALI **3F**

ST T8 S1F

Without reflector, through-wiring with the use of external terminal blocks Wieland (S) GST18i3

Code	Type	M1h	ER DIM	ER DIM M1h	ER DALI	ER DALI M1h
17215	ST 118 S1F E	x	x	x	x	x
17225	ST 136 S1F E	x	x	x	x	x
17235	ST 158 S1F E	x	x	x	x	x
17245	ST 218 S1F E	x	x	x	x	x
17255	ST 236 S1F E	x	x	x	x	x
17265	ST 258 S1F E	x	x	x	x	x

ST T8 S3F

Without reflector, through-wiring with the use of external terminal blocks Wieland (S) GST15i5

Code	Type	M1h	ER DIM	ER DIM M1h	ER DALI	ER DALI M1h
17216	ST 118 S3F E	x	x	x	x	x
17226	ST 136 S3F E	17228	17224	x	17204	x
17236	ST 158 S3F E	17238	17234	x	17214	x
17246	ST 218 S3F E	x	x	x	x	x
17256	ST 236 S3F E	17258	17254	x	17284	x
17266	ST 258 S3F E	17268	17264	x	17294	x

LEGEND

ER DALI – version with electronic digital dimmable ballast controlled by DALI protocol

ER DIM – version with electronic analogue dimmable ballast 1–10 V

1F – 1 phase wiring cables for through-wiring

3F – 3 phase wiring cables for through-wiring

S1F – external terminal block Wieland, 1 phase wiring cables for through-wiring

S3F – external terminal block Wieland, 3 phase wiring cables for through-wiring

M1h – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination

M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

- a) Attachment with the use of a busbar system holder or a wire-cord suspension
b) Directly to a ceiling or a wall with the use of screws



LIGHT FITTING DETAILED VIEW

ST T8

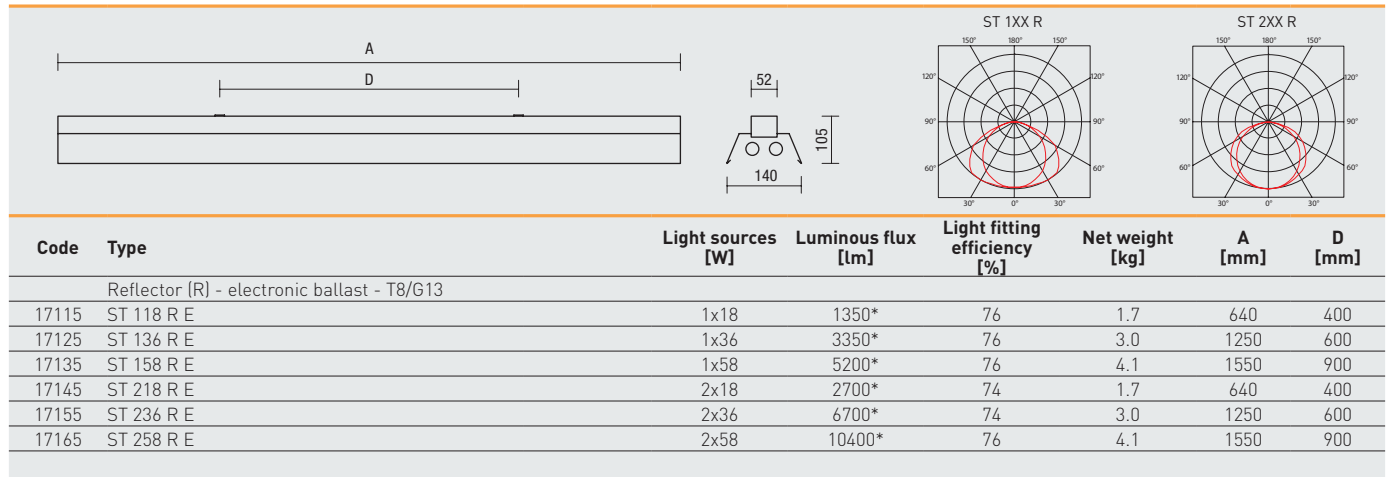


ST R T8



TECHNICAL DESCRIPTION

- Body: steel sheet, white colour (RAL 9003)
- Reflector: steel sheet, white colour (RAL 9003)
- Side covers: white polyamide (PA) or white steel sheet (RAL 9003)
- Cable glands: rubber (SBS)
- Electric equipment: electronic ballast T8; T8 DALI or T8 DIM
- Terminal block: screwed, three-pole (basic version)
- Light fitting protection: IP20



* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

ST T8 R E

Reflector (R), electronic ballast T8

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
17115	ST 118 R E	x	x	x	x	x	x
17125	ST 136 R E	17126	17106	17128	x	17108	x
17135	ST 158 R E	17136	17116	17138	x	17118	x
17145	ST 218 R E	x	x	x	x	x	x
17155	ST 236 R E	17156	17186	17158	x	17188	x
17165	ST 258 R E	17166	17196	17168	x	17198	x

ST T8 R ER DIM

Reflector (R), electronic analogue dimmable ballast T8 DIM 1-10 V

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
17625	ST 136 R ER DIM	17626	17606	17627	x	17607	x
17635	ST 158 R ER DIM	17636	17616	17637	x	17617	x
17655	ST 236 R ER DIM	17656	17686	17657	x	17687	x
17665	ST 258 R ER DIM	17666	17696	17667	x	17697	x

ST T8 R ER DALI

Reflector (R), electronic digital dimmable ballast T8 DALI

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
17623	ST 136 R ER DALI	17624	17604	17628	x	17608	x
17633	ST 158 R ER DALI	17634	17614	17638	x	17618	x
17653	ST 236 R ER DALI	17654	17684	17658	x	17688	x
17663	ST 258 R ER DALI	17664	17694	17668	x	17698	x

Example of type marking: 17694 = ST 258 R ER DALI **3F**

ST T8 R S1F

Reflector (R), through-wiring with the use of external terminal blocks Wieland (S) GST18i3

Code	Type	M1h	ER DIM	ER DIM M1h	ER DALI	ER DALI M1h
17315	ST 118 R S1F E	x	x	x	x	x
17325	ST 136 R S1F E	x	x	x	x	x
17335	ST 158 R S1F E	x	x	x	x	x
17345	ST 218 R S1F E	x	x	x	x	x
17355	ST 236 R S1F E	x	x	x	x	x
17365	ST 258 R S1F E	x	x	x	x	x

ST T8 R S3F

Reflector (R), through-wiring with the use of external terminal blocks Wieland (S) GST15i5

Code	Type	M1h	ER DIM	ER DIM M1h	ER DALI	ER DALI M1h
17316	ST 118 R S3F E	x	x	x	x	x
17326	ST 136 R S3F E	17328	17324	x	17304	x
17336	ST 158 R S3F E	17338	17334	x	17314	x
17346	ST 218 R S3F E	x	x	x	x	x
17356	ST 236 R S3F E	17358	17354	x	17384	x
17366	ST 258 R S3F E	17368	17364	x	17394	x

LEGEND

ER DALI – version with electronic digital dimmable ballast controlled by DALI protocol

ER DIM – version with electronic analogue dimmable ballast 1–10 V

1F – 1 phase wiring cables for through-wiring

3F – 3 phase wiring cables for through-wiring

S1F – external terminal block Wieland, 1 phase wiring cables for through-wiring

S3F – external terminal block Wieland, 3 phase wiring cables for through-wiring

M1h – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination

M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

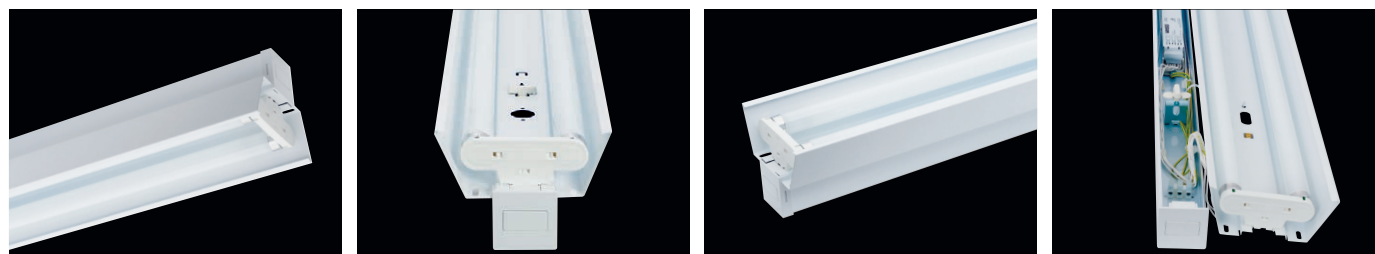
a) Attachment with the use of a busbar system holder or a wire-cord suspension

b) Directly to a ceiling or a wall with the use of screws



LIGHT FITTING DETAILED VIEW

ST R T8



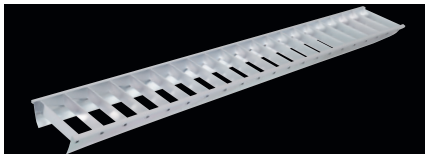
Rounded reflector accessories



Code	Type	Description	Weight [kg]
27811	OR-OP 14	opal acrylic diffuser for rounded reflector for types ST 14/24	0.1
27812	OR-OP 28	opal acrylic diffuser for rounded reflector for types ST 28/54	0.2
27813	OR-OP 35	opal acrylic diffuser for rounded reflector for types ST 35/49/80	0.3



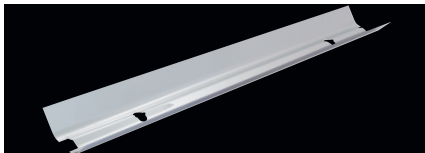
Code	Type	Description	Weight [kg]
27821	OR-PAR 14	polished parabolic louvre for rounded reflector for types ST 14/24	0.1
27822	OR-PAR 28	polished parabolic louvre for rounded reflector for types ST 28/54	0.2
27823	OR-PAR 35	polished parabolic louvre for rounded reflector for types ST 35/49/80	0.3



Code	Type	Description	Weight [kg]
27831	OR-MAT 14	matted parabolic louvre for rounded reflector for types ST 14/24	0.1
27832	OR-MAT 28	matted parabolic louvre for rounded reflector for types ST 28/54	0.2
27833	OR-MAT 35	matted parabolic louvre for rounded reflector for types ST 35/49/80	0.3

PAR – parabolic reflector

It is made of polished aluminium sheet. PAR-ST parabolic reflector serves to direct the luminous flux into narrow and high spaces.



Code	Type	Description	Weight [kg]
27851	ST-PAR 14	parabolic reflector, narrow-angle for type ST T5 14/24	0.1
27852	ST-PAR 28	parabolic reflector, narrow-angle for type ST T5 28/54	0.2
27853	ST-PAR 35	parabolic reflector, narrow-angle for type ST T5 35/49/80	0.2

Connection cables and joints S3F

Joints and 3 phase wiring cables Wieland for through-wiring S3F



Code	Type	Description	Weight [kg]
27401	GST 15i5-S1	5-pole wiring terminal block	0.1



Code	Type	Description	Weight [kg]
27421	GST 15i5-S21	interconnecting cable 5x1.5 mm ² - female/male L=1m	0.2
27422	GST 15i5-S22	interconnecting cable 5x1.5 mm ² - female/male L=2m	0.3
27423	GST 15i5-S23	interconnecting cable 5x1.5 mm ² - female/male L=3m	0.4
27424	GST 15i5-S24	interconnecting cable 5x1.5 mm ² - female/male L=4m	0.5
27425	GST 15i5-S25	interconnecting cable 5x1.5 mm ² - female/male L=5m	0.6
27426	GST 15i5-S26	interconnecting cable 5x1.5 mm ² - female/male L=6m	0.7
27427	GST 15i5-S27	interconnecting cable 5x1.5 mm ² - female/male L=7m	0.8
27428	GST 15i5-S28	interconnecting cable 5x1.5 mm ² - female/male L=8m	0.9



Code	Type	Description	Weight [kg]
27431	GST 15i5-S31	connecting cable 5x1.5 mm ² - male/free end L=1m	0.2
27432	GST 15i5-S32	connecting cable 5x1.5 mm ² - male/free end L=2m	0.3
27433	GST 15i5-S33	connecting cable 5x1.5 mm ² - male/free end L=3m	0.4
27434	GST 15i5-S34	connecting cable 5x1.5 mm ² - male/free end L=4m	0.5
27435	GST 15i5-S35	connecting cable 5x1.5 mm ² - male/free end L=5m	0.6
27436	GST 15i5-S36	connecting cable 5x1.5 mm ² - male/free end L=6m	0.7
27437	GST 15i5-S37	connecting cable 5x1.5 mm ² - male/free end L=7m	0.8
27438	GST 15i5-S38	connecting cable 5x1.5 mm ² - male/free end L=8m	0.9



Code	Type	Description	Weight [kg]
27441	GST 15i5-S41	connecting cable 5x1.5 mm ² - female/free end L=1m	0.2
27442	GST 15i5-S42	connecting cable 5x1.5 mm ² - female/free end L=2m	0.3
27443	GST 15i5-S43	connecting cable 5x1.5 mm ² - female/free end L=3m	0.4
27444	GST 15i5-S44	connecting cable 5x1.5 mm ² - female/free end L=4m	0.5
27445	GST 15i5-S45	connecting cable 5x1.5 mm ² - female/free end L=5m	0.6
27446	GST 15i5-S46	connecting cable 5x1.5 mm ² - female/free end L=6m	0.7
27447	GST 15i5-S47	connecting cable 5x1.5 mm ² - female/free end L=7m	0.8
27448	GST 15i5-S48	connecting cable 5x1.5 mm ² - female/free end L=8m	0.9

Connection cables and joints S1F

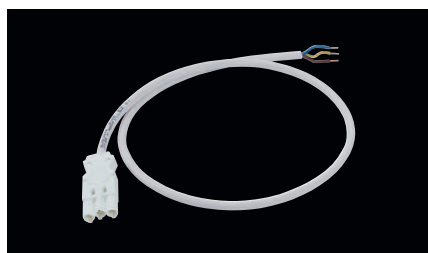
Joints and 1 phase wiring cables Wieland for through-wiring S1F



Code	Type	Description	Weight [kg]
17401	GST 18i3-S1	3-pole wiring terminal block	0.1



Code	Type	Description	Weight [kg]
17421	GST 18i3-S21	interconnecting cable 3x1.5 mm ² - female/male L=1m	0.2
17422	GST 18i3-S22	interconnecting cable 3x1.5 mm ² - female/male L=2m	0.3
17423	GST 18i3-S23	interconnecting cable 3x1.5 mm ² - female/male L=3m	0.4
17424	GST 18i3-S24	interconnecting cable 3x1.5 mm ² - female/male L=4m	0.5
17425	GST 18i3-S25	interconnecting cable 3x1.5 mm ² - female/male L=5m	0.6
17426	GST 18i3-S26	interconnecting cable 3x1.5 mm ² - female/male L=6m	0.7
17427	GST 18i3-S27	interconnecting cable 3x1.5 mm ² - female/male L=7m	0.8
17428	GST 18i3-S28	interconnecting cable 3x1.5 mm ² - female/male L=8m	0.9



Code	Type	Description	Weight [kg]
17431	GST 18i3-S31	connecting cable 3x1.5 mm ² - male/free end L=1m	0.2
17432	GST 18i3-S32	connecting cable 3x1.5 mm ² - male/free end L=2m	0.3
17433	GST 18i3-S33	connecting cable 3x1.5 mm ² - male/free end L=3m	0.4
17434	GST 18i3-S34	connecting cable 3x1.5 mm ² - male/free end L=4m	0.5
17435	GST 18i3-S35	connecting cable 3x1.5 mm ² - male/free end L=5m	0.6
17436	GST 18i3-S36	connecting cable 3x1.5 mm ² - male/free end L=6m	0.7
17437	GST 18i3-S37	connecting cable 3x1.5 mm ² - male/free end L=7m	0.8
17438	GST 18i3-S38	connecting cable 3x1.5 mm ² - male/free end L=8m	0.9



Code	Type	Description	Weight [kg]
17441	GST 18i3-S41	connecting cable 3x1.5 mm ² - female/free end L=1m	0.2
17442	GST 18i3-S42	connecting cable 3x1.5 mm ² - female/free end L=2m	0.3
17443	GST 18i3-S43	connecting cable 3x1.5 mm ² - female/free end L=3m	0.4
17444	GST 18i3-S44	connecting cable 3x1.5 mm ² - female/free end L=4m	0.5
17445	GST 18i3-S45	connecting cable 3x1.5 mm ² - female/free end L=5m	0.6
17446	GST 18i3-S46	connecting cable 3x1.5 mm ² - female/free end L=6m	0.7
17447	GST 18i3-S47	connecting cable 3x1.5 mm ² - female/free end L=7m	0.8
17448	GST 18i3-S48	connecting cable 3x1.5 mm ² - female/free end L=8m	0.9

Suspension to KBA system



Code	Type	Description	Weight [kg]
70001	KBA 40ZU	light fitting suspended holder - Canalis KBA system	0.1
70002	KBC 10CC211	output connector with cable 3x1,5mm ² , 1m long - Canalis KBA system	0.2

Connection cables and joints S3F

Joints and 3 phase wiring cables Wieland for through-wiring S3F



Code	Type	Description	Weight [kg]
27401	GST 15i5-S1	5-pole wiring terminal block	0.1



Code	Type	Description	Weight [kg]
27421	GST 15i5-S21	interconnecting cable 5x1.5 mm ² - female/male L=1m	0.2
27422	GST 15i5-S22	interconnecting cable 5x1.5 mm ² - female/male L=2m	0.3
27423	GST 15i5-S23	interconnecting cable 5x1.5 mm ² - female/male L=3m	0.4
27424	GST 15i5-S24	interconnecting cable 5x1.5 mm ² - female/male L=4m	0.5
27425	GST 15i5-S25	interconnecting cable 5x1.5 mm ² - female/male L=5m	0.6
27426	GST 15i5-S26	interconnecting cable 5x1.5 mm ² - female/male L=6m	0.7
27427	GST 15i5-S27	interconnecting cable 5x1.5 mm ² - female/male L=7m	0.8
27428	GST 15i5-S28	interconnecting cable 5x1.5 mm ² - female/male L=8m	0.9



Code	Type	Description	Weight [kg]
27431	GST 15i5-S31	connecting cable 5x1.5 mm ² - male/free end L=1m	0.2
27432	GST 15i5-S32	connecting cable 5x1.5 mm ² - male/free end L=2m	0.3
27433	GST 15i5-S33	connecting cable 5x1.5 mm ² - male/free end L=3m	0.4
27434	GST 15i5-S34	connecting cable 5x1.5 mm ² - male/free end L=4m	0.5
27435	GST 15i5-S35	connecting cable 5x1.5 mm ² - male/free end L=5m	0.6
27436	GST 15i5-S36	connecting cable 5x1.5 mm ² - male/free end L=6m	0.7
27437	GST 15i5-S37	connecting cable 5x1.5 mm ² - male/free end L=7m	0.8
27438	GST 15i5-S38	connecting cable 5x1.5 mm ² - male/free end L=8m	0.9



Code	Type	Description	Weight [kg]
27441	GST 15i5-S41	connecting cable 5x1.5 mm ² - female/free end L=1m	0.2
27442	GST 15i5-S42	connecting cable 5x1.5 mm ² - female/free end L=2m	0.3
27443	GST 15i5-S43	connecting cable 5x1.5 mm ² - female/free end L=3m	0.4
27444	GST 15i5-S44	connecting cable 5x1.5 mm ² - female/free end L=4m	0.5
27445	GST 15i5-S45	connecting cable 5x1.5 mm ² - female/free end L=5m	0.6
27446	GST 15i5-S46	connecting cable 5x1.5 mm ² - female/free end L=6m	0.7
27447	GST 15i5-S47	connecting cable 5x1.5 mm ² - female/free end L=7m	0.8
27448	GST 15i5-S48	connecting cable 5x1.5 mm ² - female/free end L=8m	0.9

Connection cables and joints S1F

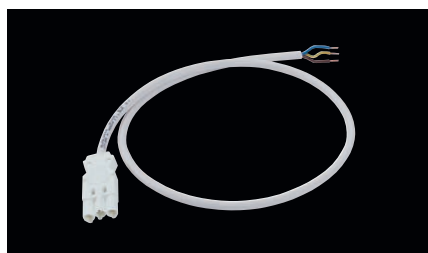
Joints and 1 phase wiring cables Wieland for through-wiring S1F



Code	Type	Description	Weight [kg]
17401	GST 18i3-S1	3-pole wiring terminal block	0.1



Code	Type	Description	Weight [kg]
17421	GST 18i3-S21	interconnecting cable 3x1.5 mm ² - female/male L=1m	0.2
17422	GST 18i3-S22	interconnecting cable 3x1.5 mm ² - female/male L=2m	0.3
17423	GST 18i3-S23	interconnecting cable 3x1.5 mm ² - female/male L=3m	0.4
17424	GST 18i3-S24	interconnecting cable 3x1.5 mm ² - female/male L=4m	0.5
17425	GST 18i3-S25	interconnecting cable 3x1.5 mm ² - female/male L=5m	0.6
17426	GST 18i3-S26	interconnecting cable 3x1.5 mm ² - female/male L=6m	0.7
17427	GST 18i3-S27	interconnecting cable 3x1.5 mm ² - female/male L=7m	0.8
17428	GST 18i3-S28	interconnecting cable 3x1.5 mm ² - female/male L=8m	0.9



Code	Type	Description	Weight [kg]
17431	GST 18i3-S31	connecting cable 3x1.5 mm ² - male/free end L=1m	0.2
17432	GST 18i3-S32	connecting cable 3x1.5 mm ² - male/free end L=2m	0.3
17433	GST 18i3-S33	connecting cable 3x1.5 mm ² - male/free end L=3m	0.4
17434	GST 18i3-S34	connecting cable 3x1.5 mm ² - male/free end L=4m	0.5
17435	GST 18i3-S35	connecting cable 3x1.5 mm ² - male/free end L=5m	0.6
17436	GST 18i3-S36	connecting cable 3x1.5 mm ² - male/free end L=6m	0.7
17437	GST 18i3-S37	connecting cable 3x1.5 mm ² - male/free end L=7m	0.8
17438	GST 18i3-S38	connecting cable 3x1.5 mm ² - male/free end L=8m	0.9



Code	Type	Description	Weight [kg]
17441	GST 18i3-S41	connecting cable 3x1.5 mm ² - female/free end L=1m	0.2
17442	GST 18i3-S42	connecting cable 3x1.5 mm ² - female/free end L=2m	0.3
17443	GST 18i3-S43	connecting cable 3x1.5 mm ² - female/free end L=3m	0.4
17444	GST 18i3-S44	connecting cable 3x1.5 mm ² - female/free end L=4m	0.5
17445	GST 18i3-S45	connecting cable 3x1.5 mm ² - female/free end L=5m	0.6
17446	GST 18i3-S46	connecting cable 3x1.5 mm ² - female/free end L=6m	0.7
17447	GST 18i3-S47	connecting cable 3x1.5 mm ² - female/free end L=7m	0.8
17448	GST 18i3-S48	connecting cable 3x1.5 mm ² - female/free end L=8m	0.9

Suspension to KBA system



Code	Type	Description	Weight [kg]
70001	KBA 40ZU	light fitting suspended holder - Canalis KBA system	0.1
70002	KBC 10CC211	output connector with cable 3x1,5mm ² , 1m long - Canalis KBA system	0.2

Polished reflector ALR

The version with the polished reflector ALR can be made-to-order.



RPK



INDOOR
BATTEN
FLUORESCENT



RPK – indoor batten fluorescent light fittings



RPK T5
p. 136



IP20

RPK T5
p. 136

RPK T8
p. 139



IP20

RPK T8
p. 139

RPK
ACCESSORIES
p. 142



RPK T5,T8
p. 142

RPK T5



... indoor suspended fluorescent light fitting.

USE

The light fitting is suitable for shops, salons, offices and flats.

ADVANTAGES

- Light fitting protection: **IP20**
 - Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent acrylate (AC)
 - Up to 10 % lower electricity consumption when compared to electronic ballast T8
 - Up to 40 % lower electricity consumption when compared to inductive ballast T8
 - Up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
 - Up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
 - Maximum luminous flux of the light fitting T5 is achieved at 35 °C (T8 at 25 °C)
 - It can be delivered in dimmable or emergency version
- It can be delivered in colour version (RAL)
 - Light fittings can be interconnected into various shapes

IP20

Ø 16
0.5

CE

2,5 mm²

1 105 °C

EVG

EVG DMX

EVG DALI

F

230 V
0.5/60 Hz

AC
DC

⊕

3F

EMERGENCY

🛒

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RPK T5



TECHNICAL DESCRIPTION

- Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent acrylate (AC)
- Body: aluminium profile, white (RAL 9003) or silver (RAL 9006) colour
- Reflector: parabolic polished aluminium
- Terminal block: 2x screwed, five-pole, 3 phase wiring
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	L [mm]
White plastic louvre - electronic ballast HE/HO (intelligent) - T5/G5							
13511	RPK 114/24 ET5	1x14/24	1350/2000*	73/73	1.1	734	525
13541	RPK 121/39 ET5	1x21/39	2100/3500*	73/73	1.5	1030	820
13521	RPK 128/54 ET5	1x28/54	2900/5000*	73/73	1.8	1335	1125
13531	RPK 135/49/80 ET5	1x35/49/80	3650/4900/7000*	73/73/73	2.5	1630	1420

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

RPK T5

Electronic ballast T5, white colour RAL 9003/silver colour RAL 9006 (s)

Code	Type	Ch	AC	s	Ch s	AC s
13511	RPK 114/24 ET5	13811	13711	13512	13812	13712
13541	RPK 121/39 ET5	13841	13741	13542	13842	13742
13521	RPK 128/54 ET5	13821	13721	13522	13822	13722
13531	RPK 135/49/80 ET5	13831	13731	13532	13832	13732

RPK T5 ER DIM

Electronic analogue dimmable ballast T5 DIM 1-10V, white colour RAL 9003/silver colour RAL 9006 (s)

Code	Type	Ch	AC	s	Ch s	AC s
13517	RPK 114/24 ERT5 DIM	13817	13717	13557	13857	13757
13547	RPK 121/39 ERT5 DIM	13847	13747	13587	13887	13787
13527	RPK 128/54 ERT5 DIM	13827	13727	13567	13867	13767
13537	RPK 135/49/80 ERT5 DIM	13837	13737	13577	13877	13777

RPK T5 ER DALI

Electronic digital dimmable ballast T5 DALI, white colour RAL 9003/silver colour RAL 9006 (s)

Code	Type	Ch	AC	s	Ch s	AC s
13518	RPK 114/24 ERT5 DALI	13818	13718	13558	13858	13758
13548	RPK 121/39 ERT5 DALI	13848	13748	13588	13888	13788
13528	RPK 128/54 ERT5 DALI	13828	13728	13568	13868	13768
13538	RPK 135/49/80 ERT5 DALI	13838	13738	13578	13878	13778

Example of type marking: 13738 = RPK 135/49/80 AC ERT5 DALI

MADE-TO-ORDER VERSION

* we can also deliver made-to-order light fittings equipped with back-up source for both permanent and emergency illumination

RPK T5 M1h	Emergency back-up source with operating time of 1 hour for both permanent and emergency illumination
RPK T5 M3h	Emergency back-up source with operating time of 3 hours for both permanent and emergency illumination

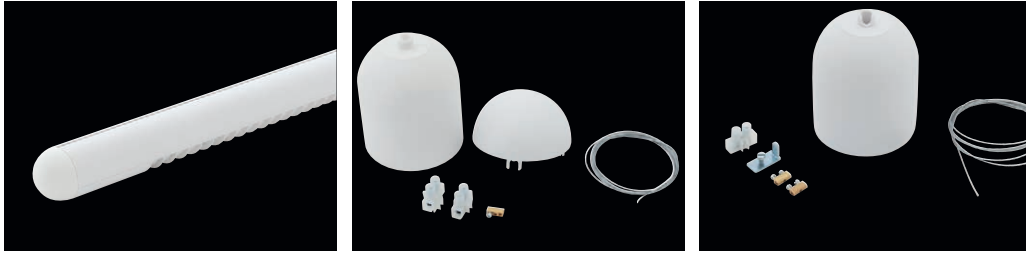
LEGEND

- Ch** – chrome-plated lamella louvre
- AC** – diffuser made of transparent acrylate
- s** – silver colour RAL 9006
- ERT5 DALI** – version with electronic digital dimmable ballast controlled by DALI protocol
- ERT5 DIM** – version with electronic analogue dimmable ballast 1-10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
 - M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
- Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

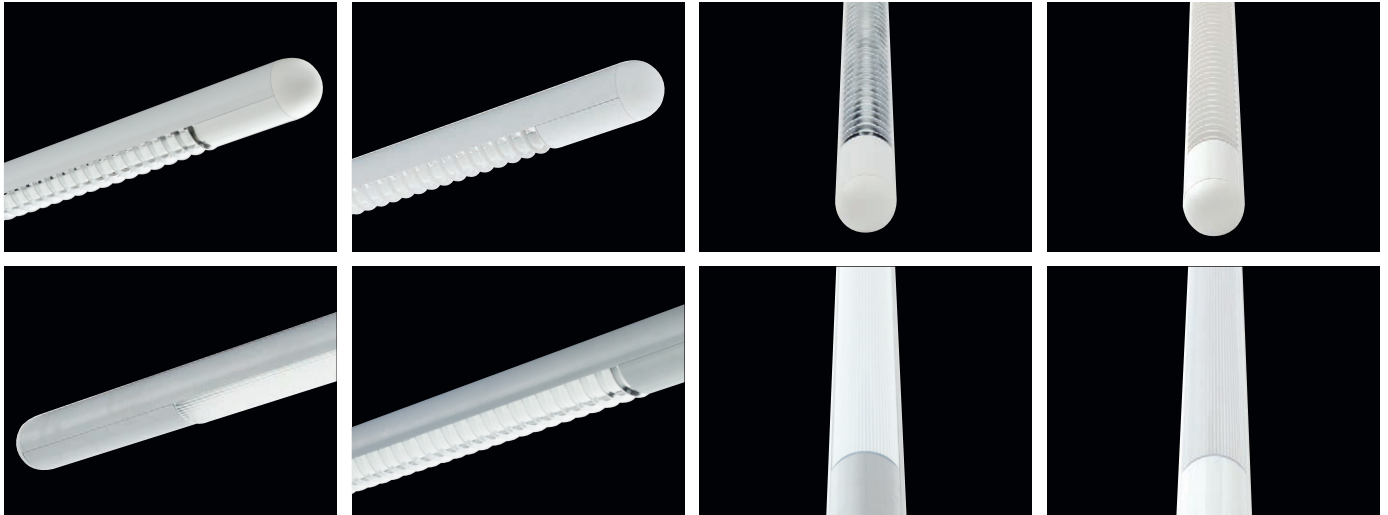
LIGHT FITTING ATTACHMENT

With the use of wire-cord suspensions and joints



LIGHT FITTING DETAILED VIEW

RPK T5



RPK T8



... indoor suspended fluorescent light fitting.

USE

The light fitting is suitable for shops, salons, offices and flats.

ADVANTAGES

- Light fitting protection: **IP20**
- Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent acrylate (AC)
- Up to 30 % lower electricity consumption in DALI, DIM version
- It can be delivered in dimmable or emergency version
- It can be delivered in colour version (RAL)
- Light fittings can be interconnected into various shapes
- Through-wiring in basic version

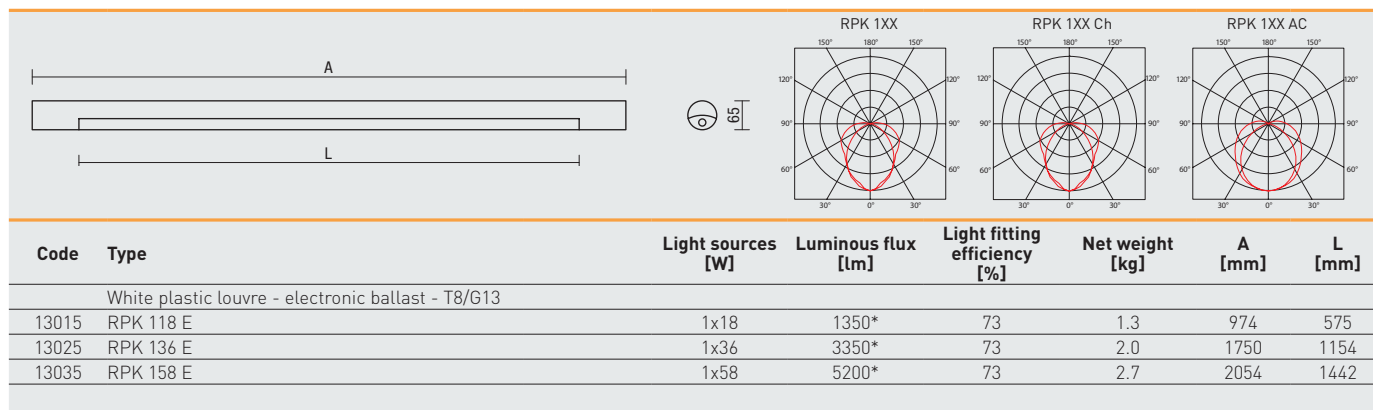


RPK T8



TECHNICAL DESCRIPTION

- Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent acrylate (AC)
- Body: aluminium profile, white (RAL 9003) or silver (RAL 9006) colour
- Reflector: parabolic polished aluminium
- Terminal block: 2x screwed, five-pole, 3 phase wiring
- Electric equipment: electronic ballast T8; T8 DALI or T8 DIM
- Light fitting protection: IP20



* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

RPK T8 E

Electronic ballast T8, white colour RAL 9003/silver colour RAL 9006 (s)

Code	Type	Ch	AC	s	Ch s	AC s
13015	RPK 118 E	13615	13315	13016	13616	13316
13025	RPK 136 E	13625	13325	13026	13626	13326
13035	RPK 158 E	13635	13335	13036	13636	13336

RPK T8 ER DIM

Electronic analogue dimmable ballast T8 DIM 1-10V, white colour RAL 9003/silver colour RAL 9006 (s)

Code	Type	Ch	AC	s	Ch s	AC s
13017	RPK 118 ER DIM	13617	13317	13047	13647	13347
13027	RPK 136 ER DIM	13627	13327	13057	13657	13357
13037	RPK 158 ER DIM	13637	13337	13067	13667	13367

RPK T8 ER DALI

Electronic digital dimmable ballast T8 DALI, white colour RAL 9003/silver colour RAL 9006 (s)

Code	Type	Ch	AC	s	Ch s	AC s
13018	RPK 118 ER DALI	13618	13318	13048	13648	13348
13028	RPK 136 ER DALI	13628	13328	13058	13658	13358
13038	RPK 158 ER DALI	13638	13338	13068	13668	13368

Example of type marking: 13338 = RPK 158 **AC** ER DALI

MADE-TO-ORDER VERSION

* we can also deliver made-to-order light fittings equipped with back-up source for both permanent and emergency illumination

RPK T8 M1h Emergency back-up source with operating time of 1 hour for both permanent and emergency illumination

RPK T8 M3h Emergency back-up source with operating time of 3 hours for both permanent and emergency illumination

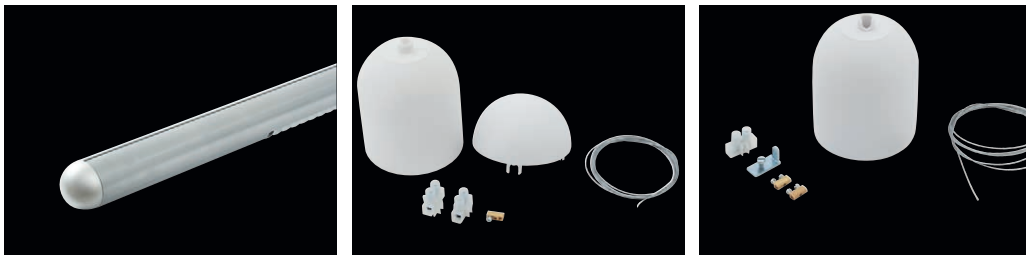
LEGEND

- Ch** – chrome-plated lamella louvre
- AC** – diffuser made of transparent acrylate
- s** – silver colour RAL 9006
- ER DALI** – version with electronic digital dimmable ballast controlled by DALI protocol
- ER DIM** – version with electronic analogue dimmable ballast 1-10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
 - M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
- Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

With the use of wire-cord suspensions and joints



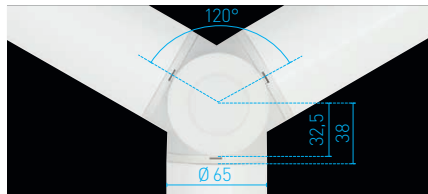
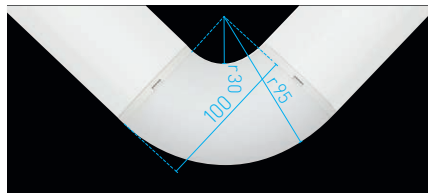
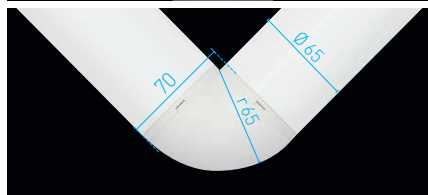
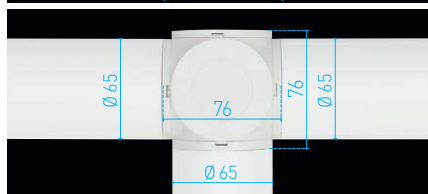
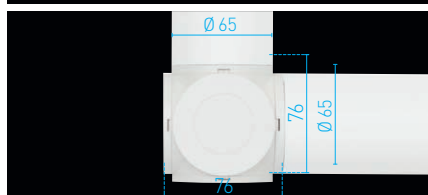
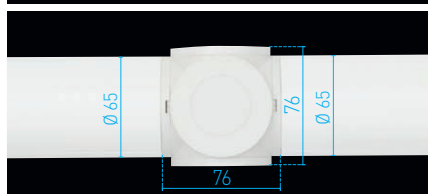
LIGHT FITTING DETAILED VIEW

RPK T8



Plastic joints including suspension

Plastic joints serve to interconnect light fittings into various shapes.



Code	Type	Description	Weight [kg]
13111	RPK-F0	suspension and ending of row of light fittings, white RAL 9003	0.1
13112	RPK-F0 s	suspension and ending of row of light fittings, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13121	RPK-F02	direct connection of light fittings into row and suspension, white RAL 9003	0.1
13122	RPK-F02 s	direct connection of light fittings into row and suspension, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13131	RPK-F2	direct connection of light fittings into row and suspension, white RAL 9003	0.1
13132	RPK-F2 s	direct connection of light fittings into row and suspension, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13141	RPK-F2d	connection and suspension of light fittings in L shape with angle of 90°, white RAL 9003	0.1
13142	RPK-F2d s	connection and suspension of light fittings in L shape with angle of 90°, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13151	RPK-F3	connection and suspension of light fittings in T shape with angles of 90°, white RAL 9003	0.1
13152	RPK-F3 s	connection and suspension of light fittings in T shape with angles of 90°, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13161	RPK-F4	connection and suspension of light fittings in X shape with angles of 90°, white RAL 9003	0.1
13162	RPK-F4 s	connection and suspension of light fittings in X shape with angles of 90°, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13171	RPK-F5k	connection of light fittings with angle of 90° and radius of R=65mm, white RAL 9003	0.2
13172	RPK-F5k s	connection of light fittings with angle of 90° and radius of R=65mm, silver RAL 9006	0.2

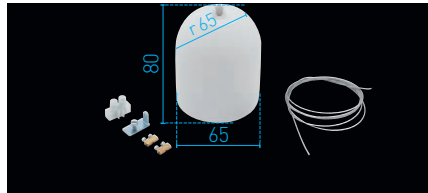
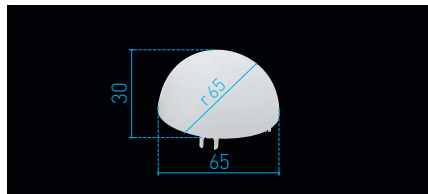
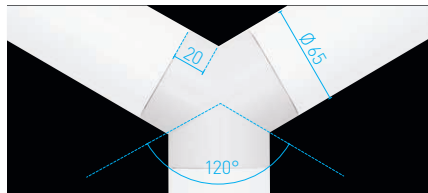
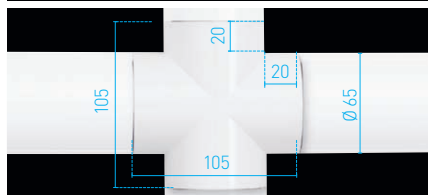
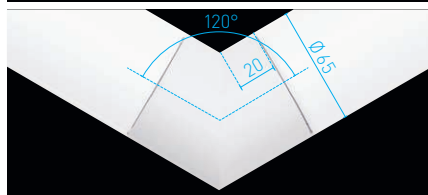
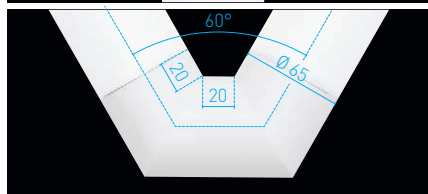
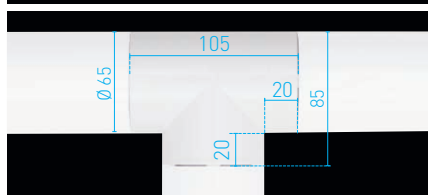
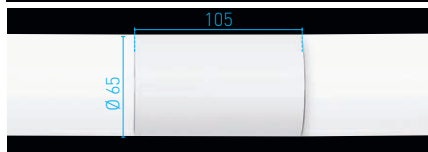
Code	Type	Description	Weight [kg]
13181	RPK-F5d	connection of light fittings with angle of 90° and radius of R=90mm, white RAL 9003	0.2
13182	RPK-F5d s	connection of light fittings with angle of 90° and radius of R=90mm, silver RAL 9006	0.2

Code	Type	Description	Weight [kg]
13101	RPK-F7	connection and suspension of light fittings with angle of 120°, white RAL 9003	0.1
13102	RPK-F7 s	connection and suspension of light fittings with angle of 120°, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
13002	RPK tube body	tube body for addition of set shape, max. length 2m, white	according to length
13003	RPK tube cover	tube cover for addition of set shape, max. length 2m, white	according to length
13202	RPK tube body-s	tube body for addition of set shape, max. length 2m, silver	according to length
13203	RPK tube cover-s	tube cover for addition of set shape, max. length 2m, silver	according to length

Plastic joints including suspension

Metal joints serve to interconnect light fittings into various shapes.



Code	Type	Description	Weight [kg]
13190	RPK-0	direct connection of light fittings into row	0.1

Code	Type	Description	Weight [kg]
13911	RPK-I	direct connection of light fittings into row (105 mm), white RAL 9003	0.2
13912	RPK-I s	direct connection of light fittings into row (105 mm), silver RAL 9006	0.2

Code	Type	Description	Weight [kg]
13921	RPK-L	connection of light fittings in L shape with angle of 90°, white RAL 9003	0.3
13922	RPK-L s	connection of light fittings in L shape with angle of 90°, silver RAL 9006	0.3

Code	Type	Description	Weight [kg]
13931	RPK-T	connection of light fittings in T shape with angles of 90°, white RAL 9003	0.4
13932	RPK-T s	connection of light fittings in T shape with angles of 90°, silver RAL 9006	0.4

Code	Type	Description	Weight [kg]
13941	RPK-U	connection of light fittings with angles from 45° to 89° - standardly supplied angle is 60°; other angles can be made-to-order, white RAL 9003	0.3
13942	RPK-U s	connection of light fittings with angles from 45° to 89° - standardly supplied angle is 60°; other angles can be made-to-order, silver RAL 9006	0.3

Code	Type	Description	Weight [kg]
13951	RPK-V	connection of light fittings with angles from 91° to 175° - standardly supplied angle is 120°; other angles can be made-to-order, white RAL 9003	0.3
13952	RPK-V s	connection of light fittings with angles from 91° to 175° - standardly supplied angle is 120°; other angles can be made-to-order, silver RAL 9006	0.3

Code	Type	Description	Weight [kg]
13961	RPK-X	connection of light fittings in X shape with angles of 90°, white RAL 9003	0.5
13962	RPK-X s	connection of light fittings in X shape with angles of 90°, silver RAL 9006	0.5

Code	Type	Description	Weight [kg]
13971	RPK-Y	connection of light fittings with angle of 120°, white RAL 9003	0.4
13972	RPK-Y s	connection of light fittings with angle of 120°, silver RAL 9006	0.4

Code	Type	Description	Weight [kg]
13104	RPK-K	plastic end cap, white RAL 9003	0.1
13106	RPK-K s	plastic end cap, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
16101	Z4-F1	ceiling wire-cord suspension for type MO/RPK, white RAL 9003	0.1
16102	Z4-F1 s	ceiling wire-cord suspension for type MO/RPK, silver RAL 9006	0.1

Supply cable

The twisted cable for electricity supply into a set of light fittings.



Code	Type	Description	Weight [kg]
13401	KPK 3x0.5 KR	cable, length 30 - 80 cm - short - white	0.1
13402	KPK 3x0.5 DL	cable, length 80 - 160 cm - long - white	0.2
13403	KPK 3x0.75 KR	cable, length 30 - 80 cm - short - white	0.1
13404	KPK 3x0.75 DL	cable, length 80 - 160 cm - long - white	0.2
13405	KPK 3x1.0 KR	cable, length 30 - 60 cm - short - white	0.1
13406	KPK 3x1.0 DL	cable, length 60 - 120 cm - long - white	0.2
13408	KPK 3x1.5 DL	cable, length 60 - 120 cm - long - white	0.2
13415	KPK 4x1.0 KR	cable, length 30 - 60 cm - short - white	0.1
13416	KPK 4x1.0 DL	cable, length 60 - 120 cm - long - white	0.2
13426	KPK 5x1.0 DL	cable, length 60 - 120 cm - long - white	0.2
13434	KPK 3x0.75 DL cr	cable, length 80 - 160 cm - long - black	0.2



MO



INDOOR
BATTEN
FLUORESCENT



MO – indoor batten fluorescent light fittings



MO T5
p. 148



IP20

MO T5
p. 148

MO T8
p. 151



IP20

MO T8
p. 151

MO Asymmetric
p. 154



IP20

MO AS T5
p. 155

MO AS T8
p. 156

MO
ACCESSORIES
p. 157



MO ACCESSORIES
p. 157

MO T5



... indoor suspended fluorescent light fitting.

USE

The light fitting is suitable for shops, salons, offices and flats.

ADVANTAGES

- Light fitting protection: **IP20**
 - Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent polycarbonate (PC)
 - Light fittings can be interconnected into various shapes
 - Up to 10 % lower electricity consumption when compared to electronic ballast T8
 - Up to 40 % lower electricity consumption when compared to inductive ballast T8
 - Up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
 - Up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
 - Maximum luminous flux of the light fitting T5 is achieved at 35 °C (T8 at 25 °C)
- It can be delivered in dimmable or emergency version
 - It can be delivered in colour version (RAL)
 - Through-wiring in basic version

It is also available in a **LED** design.
More information is in the TREVOS catalogue of LED light fittings marked as MO LED.

IP20

Ø 16
LED
0.5

2,5 mm²
EPCB

1 105 °C

EVG

EVG
DIM

EVG
DALI

CE

F

230 V
0.5/0.60
Hz

AC
DC

⊕

3F

EMERGENCY

🛒

♿

🏠

🍴

MO T5



TECHNICAL DESCRIPTION

- Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent polycarbonate (PC)
- Body: aluminium profile, white (RAL 9003) or silver (RAL 9006) colour
- Reflector: parabolic polished aluminium
- Terminal block: 2x screwed, five-pole, 3 phase wiring
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	L [mm]
White plastic louvre - electronic ballast HE/HO (intelligent) - T5/G5							
16511	MO 114/24 ET5	1x14/24	1350/2000*	65/65	2.1	770	520
16571	MO 121/39 ET5	1x21/39	2100/3500*	65/65	2.6	1070	820
16521	MO 128/54 ET5	1x28/54	2900/5000*	65/65	3.0	1370	1120
16531	MO 135/49/80 ET5	1x35/49/80	3650/4900/7000*	65/65/65	4.1	1670	1420
16541	MO 214/24 ET5	2x14/24	2700/4000*	55/55	2.1	770	520
16581	MO 221/39 ET5	2x21/39	4200/7000*	55/55	2.6	1070	820
16551	MO 228/54 ET5	2x28/54	5800/10000*	55/55	3.0	1370	1120
16561	MO 235/49 ET5	2x35/49	7300/9800*	60/60	4.1	1670	1420
16591	MO 280 ET5	2x80	14000*	60	4.1	1670	1420

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

MO T5

Electronic ballast T5, white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	Ch	PC	s	Ch s	PC s
16511	MO 114/24 ET5	16811	16711	16512	16812	16712
16571	MO 121/39 ET5	16871	16771	16572	16872	16772
16521	MO 128/54 ET5	16821	16721	16522	16822	16722
16531	MO 135/49/80 ET5	16831	16731	16532	16832	16732
16541	MO 214/24 ET5	16841	16741	16542	16842	16742
16581	MO 221/39 ET5	16881	16781	16582	16882	16782
16551	MO 228/54 ET5	16851	16751	16552	16852	16752
16561	MO 235/49 ET5	16861	16761	16562	16862	16762
16591	MO 280 ET5	16891	16791	16592	16892	16792

MO T5 ER DIM

Electronic analogue dimmable ballast T5 DIM 1-10V, white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	Ch	PC	s	Ch s	PC s
16515	MO 114/24 ERT5 DIM	16815	16715	16516	16816	16716
16575	MO 121/39 ERT5 DIM	16875	16775	16576	16876	16776
16525	MO 128/54 ERT5 DIM	16825	16725	16526	16826	16726
16535	MO 135/49/80 ERT5 DIM	16835	16735	16536	16836	16736
16545	MO 214/24 ERT5 DIM	16845	16745	16546	16846	16746
16585	MO 221/39 ERT5 DIM	16885	16785	16586	16886	16786
16555	MO 228/54 ERT5 DIM	16855	16755	16556	16856	16756
16565	MO 235/49 ERT5 DIM	16865	16765	16566	16866	16766
16595	MO 280 ERT5 DIM	16895	16795	16596	16896	16796

Example of type marking: 16895 = MO 280 Ch ERT5 DIM

MO T5 ER DALI

Electronic digital dimmable ballast T5 DALI, white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	Ch	PC	s	Ch s	PC s
16517	MO 114/24 ERT5 DALI	16817	16717	16518	16818	16718
16577	MO 121/39 ERT5 DALI	16877	16777	16578	16878	16778
16527	MO 128/54 ERT5 DALI	16827	16727	16528	16828	16728
16537	MO 135/49/80 ERT5 DALI	16837	16737	16538	16838	16738
16547	MO 214/24 ERT5 DALI	16847	16747	16548	16848	16748
16587	MO 221/39 ERT5 DALI	16887	16787	16588	16888	16788
16557	MO 228/54 ERT5 DALI	16857	16757	16558	16858	16758
16567	MO 235/49 ERT5 DALI	16867	16767	16568	16868	16768
16597	MO 280 ERT5 DALI	16897	16797	16598	16898	16798

Example of type marking: 16897 = MO 280 Ch ERT5 DALI

MADE-TO-ORDER VERSION

* we can also deliver made-to-order light fittings equipped with back-up source for both permanent and emergency illumination

MO T5 M1h Emergency back-up source with operating time of 1 hour for both permanent and emergency illumination

MO T5 M3h Emergency back-up source with operating time of 3 hours for both permanent and emergency illumination

LEGEND

- Ch** – chrome-plated lamella louvre
- PC** – diffuser made of transparent polycarbonate
- s** – silver colour RAL 9006
- ERT5 DALI** – version with current feed with DALI interface– digitally controlled by DALI protocol
- ERT5 DIM** – version with electronic analogue dimmable ballast 1–10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
 - M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
- Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

With the use of wire-cord suspensions and joints



LIGHT FITTING DETAILED VIEW

MO T5



MO T8



... indoor suspended fluorescent light fitting.

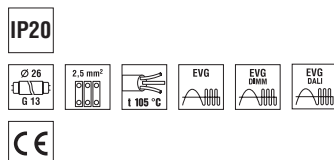
USE

The light fitting is suitable for shops, salons, offices and flats.

ADVANTAGES

- Light fitting protection: **IP20**
- Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent polycarbonate (PC)
- Light fittings can be interconnected into various shapes
- Up to 30 % lower electricity consumption in DALI, DIM version
- It can be delivered in dimmable or emergency version
- It can be delivered in colour version (RAL)
- Through-wiring in basic version

It is also available in a **LED** design.
More information is in the TREVOS catalogue
of LED light fittings marked as MO LED.



MO T8



TECHNICAL DESCRIPTION

- Diffuser: white plastic louvre, chrome-plated plastic louvre (Ch), transparent polycarbonate (PC)
- Body: aluminium profile, white (RAL 9003) or silver (RAL 9006) colour
- Reflector: parabolic polished aluminium
- Terminal block: 2x screwed, five-pole, 3 phase wiring
- Electric equipment: electronic ballast T8; T8 DALI or T8 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	L [mm]
White plastic louvre - electronic ballast - T8/G13							
16015	MO 118 E	1x18	1350*	65	2.3	1000	587
16025	MO 136 E	1x36	3350*	65	3.2	1600	1187
16035	MO 158 E	1x58	5200*	65	4.3	2070	1480
16045	MO 218 E	2x18	2700*	55	2.9	1000	587
16055	MO 236 E	2x36	6700*	55	3.4	1600	1187
16065	MO 258 E	2x58	10400*	60	4.6	2070	1480

* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

MO T8 E

Electronic ballast T8, white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	Ch	PC	s	Ch s	PC s
16015	MO 118 E	16615	16315	16016	16616	16316
16025	MO 136 E	16625	16325	16026	16626	16326
16035	MO 158 E	16635	16335	16036	16636	16336
16045	MO 218 E	16645	16345	16046	16646	16346
16055	MO 236 E	16655	16355	16056	16656	16356
16065	MO 258 E	16665	16365	16066	16666	16366

MO T8 ER DIM

Electronic analogue dimmable ballast T8 DIM 1-10V, white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	Ch	PC	s	Ch s	PC s
16028	MO 136 ER DIM	16628	16328	16008	16608	16308
16038	MO 158 ER DIM	16638	16338	16018	16618	16318
16058	MO 236 ER DIM	16658	16358	16078	16678	16378
16068	MO 258 ER DIM	16668	16368	16088	16688	16388

MO T8 ER DALI

Electronic digital dimmable ballast T8 DALI, white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	Ch	PC	s	Ch s	PC s
16029	MO 136 ER DALI	16629	16329	16009	16609	16309
16039	MO 158 ER DALI	16639	16339	16019	16619	16319
16059	MO 236 ER DALI	16659	16359	16079	16679	16379
16069	MO 258 ER DALI	16669	16369	16089	16689	16389

Example of type marking: 16369 = MO 258 **PC** ER DALI

M0 Asymmetric



... indoor suspended fluorescent light fitting.

USE

The light fitting is suitable for illumination of school blackboards, shop shelves and also displayed exhibits.

ADVANTAGES

- Light fitting protection: **IP20**
- Asymmetric reflector directs luminous flux to wall
- Light fittings can be interconnected into various shapes
- Light fitting with electronic ballast T5 has up to 10 % lower electricity consumption when compared to electronic ballast T8
- Light fitting with electronic ballast T5 has up to 40 % lower electricity consumption when compared to inductive ballast T8
- Light fitting with electronic ballast T5 has up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
- Light fitting with tubes T5 has up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
- Maximum luminous flux of the light fitting T5 is achieved at 35 °C (T8 at 25 °C)
- It can be delivered in dimmable or emergency version
- It can be delivered in colour version (RAL)
- Through-wiring in basic version

IP20

Ø 16
0.5

Ø 26
0.15

2.5 mm²
3000

1 105 °C

EVG

EVG
DALI

EVG
DIM

CE

F

230 V
0.5/0.60
Hz

AC
DC

⊕

3F

EMERGENCY
→

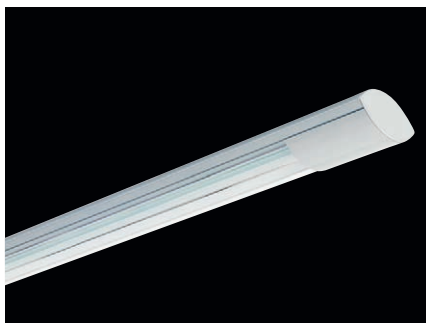
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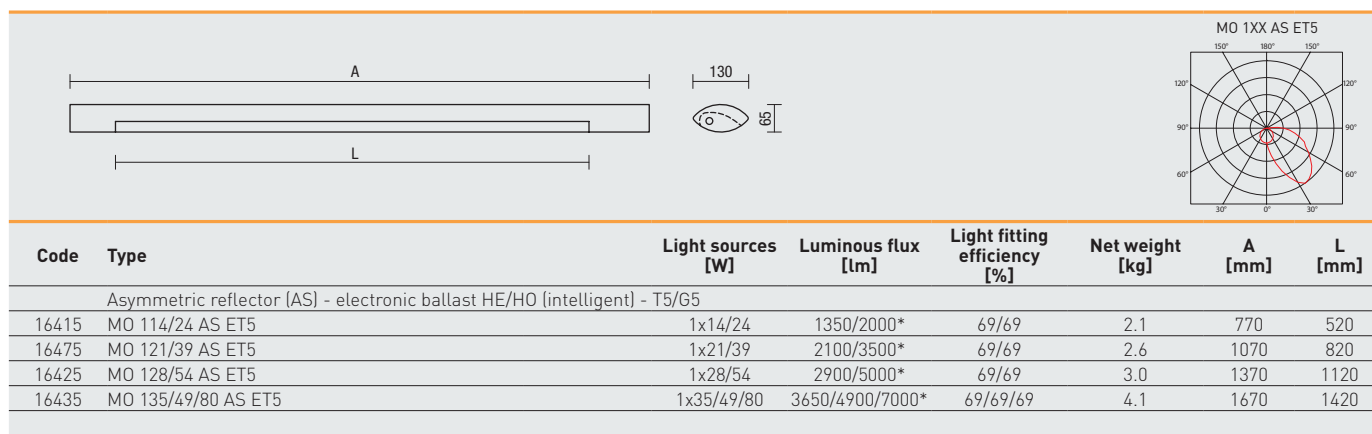
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MO AS T5



TECHNICAL DESCRIPTION

- Body: aluminium profile, white (RAL 9003) or silver (RAL 9006) colour
- Reflector: asymmetric parabolic polished aluminium (AS)
- Terminal block: 2x screwed, five-pole, 3 phase wiring
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20



* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

MO T5 AS

Asymmetric reflector (AS), white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	ERT5 DIM	ERT5 DALI	s	ERT5 DIM s	ERT5 DALI s
16415	MO 114/24 AS ET5	16416	16417	16445	16446	16447
16475	MO 121/39 AS ET5	16476	16477	16485	16486	16487
16425	MO 128/54 AS ET5	16426	16427	16455	16456	16457
16435	MO 135/49/80 AS ET5	16436	16437	16465	16466	16467

Example of type marking: 16467 = MO 135/49/80 AS ERT5 DALI s

MADE-TO-ORDER VERSION

* we can also deliver made-to-order light fittings equipped with back-up source for both permanent and emergency illumination

MO T5 M1h

Emergency back-up source with operating time of 1 hour for both permanent and emergency illumination

MO T5 M3h

Emergency back-up source with operating time of 3 hours for both permanent and emergency illumination

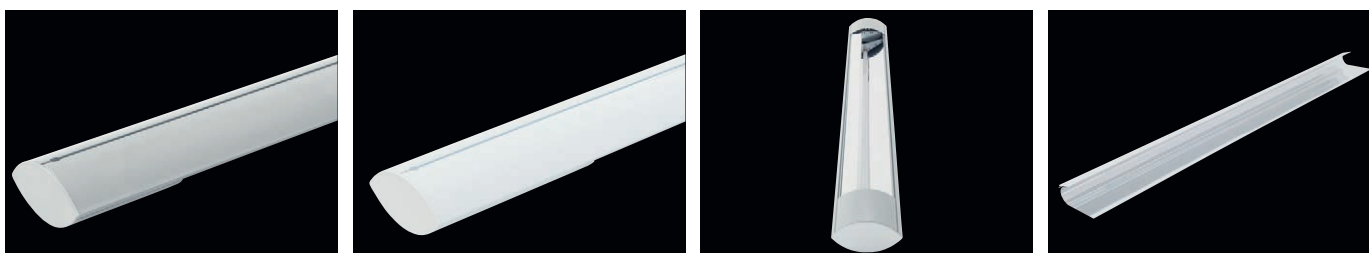
LEGEND

- AS** – asymmetric reflector made of polished aluminium
s – silver colour RAL 9006
ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol
ERT5 DIM – version with electronic analogue dimmable ballast 1-10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
 Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT AND ITS DETAILED VIEW

With the use of wire-cord suspensions and joints



MO AS T8



TECHNICAL DESCRIPTION

- Body: aluminium profile, white (RAL 9003) or silver (RAL 9006) colour
- Reflector: asymmetric parabolic polished aluminium (AS)
- Terminal block: 2x screwed, five-pole, 3 phase wiring
- Electric equipment: electronic ballast T8; T8 DALI or T8 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	L [mm]
Asymmetric reflector (AS) - electronic ballast - T8/G13							
16411	MO 118 AS E	1x18	1350*	69	2.3	1000	587
16421	MO 136 AS E	1x36	3350*	69	3.2	1600	1187
16431	MO 158 AS E	1x58	5200*	69	4.3	2070	1480

* - total luminous flux of the light fitting with T8/840 sources at the temperature of 25 °C

MO T8 AS

Asymmetric reflector (AS), white colour RAL 9003 / silver colour RAL 9006 (s)

Code	Type	ER DIM	ER DALI	s	ER DIM s	ER DALI s
16411	MO 118 AS E	16412	16413	16441	16442	16443
16421	MO 136 AS E	16422	16423	16451	16452	16453
16431	MO 158 AS E	16432	16433	16461	16462	16463

Example of type marking: 16463 = MO 158 AS **ER DALI s**

MADE-TO-ORDER VERSION

* we can also deliver made-to-order light fittings equipped with back-up source for both permanent and emergency illumination

MO T8 M1h	Emergency back-up source with operating time of 1 hour for both permanent and emergency illumination
MO T8 M3h	Emergency back-up source with operating time of 3 hours for both permanent and emergency illumination

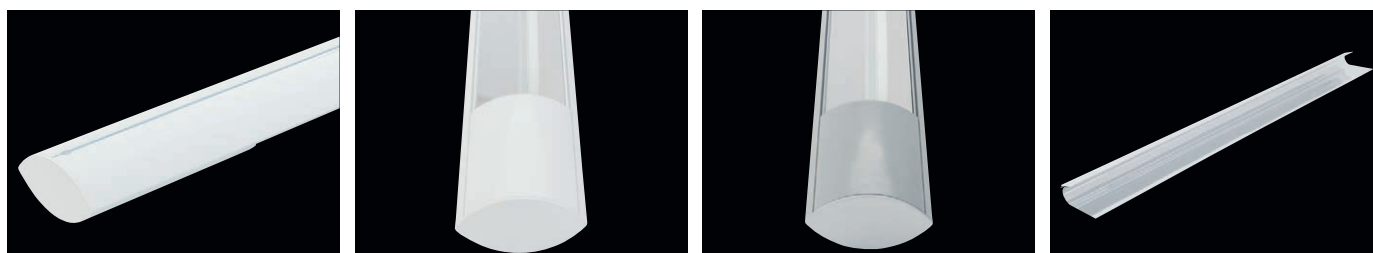
LEGEND

- AS** – asymmetric reflector made of polished aluminium
- s** – silver colour RAL 9006
- ER DALI** – version with electronic digital dimmable ballast controlled by DALI protocol
- ER DIM** – version with electronic analogue dimmable ballast 1-10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
 - M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
- Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

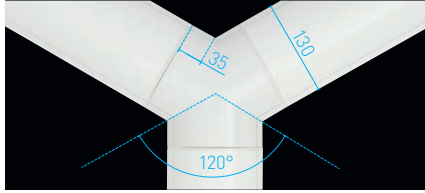
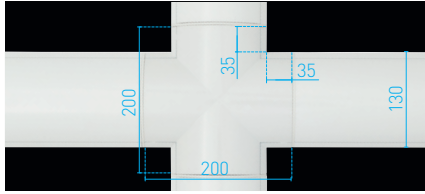
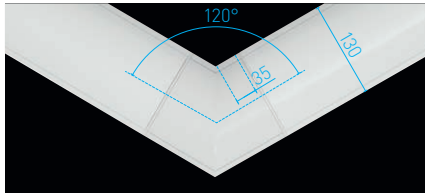
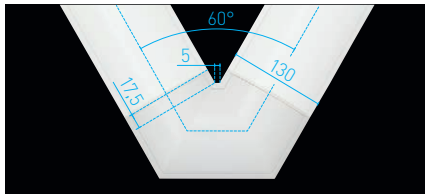
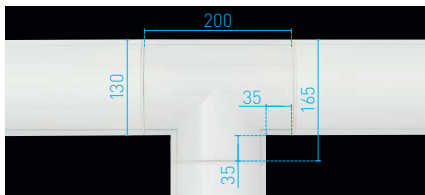
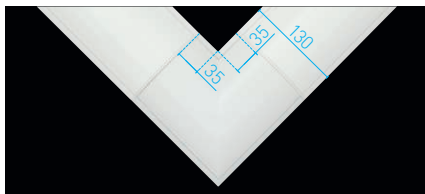
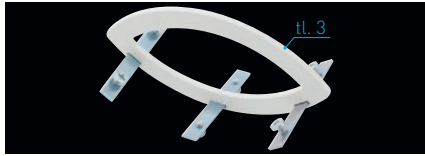
LIGHT FITTING ATTACHMENT AND ITS DETAILED VIEW

With the use of wire-cord suspensions and joints



Metal joints

Metal joints in RAL colour serve to interconnect light fittings into various shapes. Joints are including connecting material.



Code	Type	Description	Weight [kg]
16190	MO-S	direct connection of light fittings into row, white RAL 9003	0.1
16192	MO-S s	direct connection of light fittings into row, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
16111	MO-I	direct connection of light fittings into row (200 mm), white RAL 9003	0.5
16112	MO-I s	direct connection of light fittings into row (200 mm), silver RAL 9006	0.5

Code	Type	Description	Weight [kg]
16121	MO-L	connection of light fittings in L shape with angle of 90°, white RAL 9003	0.6
16122	MO-L s	connection of light fittings in L shape with angle of 90°, silver RAL 9006	0.6

Code	Type	Description	Weight [kg]
16131	MO-T	connection of light fittings in T shape with angles of 90°, white RAL 9003	0.7
16132	MO-T s	connection of light fittings in T shape with angles of 90°, silver RAL 9006	0.7

Code	Type	Description	Weight [kg]
16141	MO-U	connection of light fittings with angles from 45° to 89° - standardly supplied angle is 60°; other angles can be made-to-order, white RAL 9003	0.6
16142	MO-U s	connection of light fittings with angles from 45° to 89° - standardly supplied angle is 60°; other angles can be made-to-order, silver RAL 9006	0.6

Code	Type	Description	Weight [kg]
16151	MO-V	connection of light fittings with angles from 91° to 175° - standardly supplied angle is 120°; other angles can be made-to-order, white RAL 9003	0.6
16152	MO-V s	connection of light fittings with angles from 91° to 175° - standardly supplied angle is 120°; other angles can be made-to-order, silver RAL 9006	0.6

Code	Type	Description	Weight [kg]
16161	MO-X	connection of light fittings in X shape with angles of 90°, white RAL 9003	0.8
16162	MO-X s	connection of light fittings in X shape with angles of 90°, silver RAL 9006	0.8

Code	Type	Description	Weight [kg]
16171	MO-Y	connection of light fittings with angle of 120°, white RAL 9003	0.7
16172	MO-Y s	connection of light fittings with angle of 120°, silver RAL 9006	0.7

Code	Type	Description	Weight [kg]
16181	MO-K	plastic end cap, white RAL 9003	0.1
16182	MO-K s	plastic end cap, silver RAL 9006	0.1

Code	Type	Description	Weight [kg]
16002	MO tube body	tube body for addition of set shape, max. length 2m, white	according to length
16003	MO tube cover	tube cover for addition of set shape, max. length 2m, white	according to length
16202	MO tube body-s	tube body for addition of set shape, max. length 2m, silver	according to length
16203	MO tube cover-s	tube cover for addition of set shape, max. length 2m, silver	according to length

Z4 - ceiling suspension

Steel wire cord 1.1m, wire-cord brackets, metal slider into tube groove, plastic cap on ceiling in white or silver colour.



Code	Type	Description	Weight [kg]
16101	Z4-F1	ceiling wire-cord suspension for type MO/RPK, white RAL 9003	0.1
16102	Z4-F1 s	ceiling wire-cord suspension for type MO/RPK, silver RAL 9006	0.1

Supply cable

The twisted cable for electricity supply into a set of light fittings.



Code	Type	Description	Weight [kg]
13401	KPK 3x0.5 KR	cable, length 30 - 80 cm - short - white	0.1
13402	KPK 3x0.5 DL	cable, length 80 - 160 cm - long - white	0.2
13403	KPK 3x0.75 KR	cable, length 30 - 80 cm - short - white	0.1
13404	KPK 3x0.75 DL	cable, length 80 - 160 cm - long - white	0.2
13405	KPK 3x1.0 KR	cable, length 30 - 60 cm - short - white	0.1
13406	KPK 3x1.0 DL	cable, length 60 - 120 cm - long - white	0.2
13408	KPK 3x1.5 DL	cable, length 60 - 120 cm - long - white	0.2
13415	KPK 4x1.0 KR	cable, length 30 - 60 cm - short - white	0.1
13416	KPK 4x1.0 DL	cable, length 60 - 120 cm - long - white	0.2
13426	KPK 5x1.0 DL	cable, length 60 - 120 cm - long - white	0.2
13434	KPK 3x0.75 DL cr	cable, length 80 - 160 cm - long - black	0.2



LUXOR



INDOOR
METAL
FLUORESCENT



LUXOR – indoor batten fluorescent light fittings



LUXOR T5
p. 162

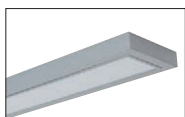


LUXOR T5 PAR
p. 163



LUXOR T5 MAT
p. 165

IP20

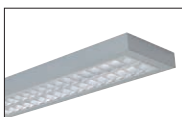


LUXOR T5 OP
p. 167

LUXOR T5 DI-IN
p. 169



LUXOR T5 PAR DI-IN
p. 170



LUXOR T5 MAT DI-IN
p. 172

IP20

LUXOR ACCESSORIES
p. 174



LUXOR
ACCESSORIES
p. 174

LUXOR T5



... indoor metal fluorescent light fitting.

USE

The light fitting is suitable for offices, hallways, school interiors, libraries, lecture rooms, hospitals and passenger terminals.

ADVANTAGES

- Light fitting protection: **IP20**
- Diffuser: parabolic louvre (PAR) – polished aluminium, matted louvre (MAT) – matted aluminium or cover made of opalized acrylate (OP)
- Up to 10 % lower electricity consumption when compared to electronic ballast T8
- Up to 40 % lower electricity consumption when compared to inductive ballast T8
- Up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
- Up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
- Maximum luminous flux of the light fitting T5 is achieved at 35 °C (T8 at 25 °C)
- It can be delivered in dimmable or emergency version

IP20

Ø 16
G 5

CE

±2.5 mm
6 x 28

1 105 °C

EVG

EVG DALI

EVG DIM

F

230 V
0.5/60 Hz

AC
DC

⊕

EMERGENCY

⊕

⊕

⊕

LUXOR T5 PAR



TECHNICAL DESCRIPTION

- Body: steel sheet, white (RAL 9003) or silver (RAL 9006) colour
- Diffuser: parabolic louvre made of polished aluminium sheet (PAR)
- Terminal block: screwless, three-pole
- Cable gland: rubber (SBS), white
- Springs: for cover attachment
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Parabolic louvre made of polished aluminium sheet (PAR) - body: silver RAL 9006 (s) - electronic ballast HE/HO (intelligent) - T5/G5							
26112	LUXOR 114/24 PAR ET5 s	1x14/24	1350/2000*	60/60	2.5	645	400
26122	LUXOR 128/54 PAR ET5 s	1x28/54	2900/5000*	60/60	4.2	1240	900
26132	LUXOR 135/49/80 PAR ET5 s	1x35/49/80	3650/4900/7000*	60/60/60	5.0	1540	1200
26142	LUXOR 214/24 PAR ET5 s	2x14/24	2700/4000*	59/59	3.0	645	400
26152	LUXOR 228/54 PAR ET5 s	2x28/54	5800/10000*	59/59	5.0	1240	900
26162	LUXOR 235/49 PAR ET5 s	2x35/49	7300/9800*	59/59	6.0	1540	1200
26172	LUXOR 280 PAR ET5 s	2x80	14000*	59	6.0	1540	1200

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

LUXOR T5 PAR s

Parabolic louvre made of polished aluminium sheet (PAR), electronic ballast T5, silver (s)

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26112	LUXOR 114/24 PAR ET5 s	26119	x	26115	26215	x	26117	26217	x
26122	LUXOR 128/54 PAR ET5 s	26129	x	26125	26225	x	26127	26227	x
26132	LUXOR 135/49/80 PAR ET5 s	26139	x	26135	26235	x	26137	26237	x
26142	LUXOR 214/24 PAR ET5 s	26149	x	26145	26245	x	26147	26247	x
26152	LUXOR 228/54 PAR ET5 s	26159	x	26155	26255	x	26157	26257	x
26162	LUXOR 235/49 PAR ET5 s	26169	x	26165	26265	x	26167	26267	x
26172	LUXOR 280 PAR ET5 s	26179	x	26175	26275	x	26177	26277	x

LUXOR T5 PAR

Parabolic louvre made of polished aluminium sheet (PAR), electronic ballast T5, white

26110	LUXOR 114/24 PAR ET5	26118	x	26114	26214	x	26116	26216	x
26120	LUXOR 128/54 PAR ET5	26128	x	26124	26224	x	26126	26226	x
26130	LUXOR 135/49/80 PAR ET5	26138	x	26134	26234	x	26136	26236	x
26140	LUXOR 214/24 PAR ET5	26148	x	26144	26244	x	26146	26246	x
26150	LUXOR 228/54 PAR ET5	26158	x	26154	26254	x	26156	26256	x
26160	LUXOR 235/49 PAR ET5	26168	x	26164	26264	x	26166	26266	x
26170	LUXOR 280 PAR ET5	26178	x	26174	26274	x	26176	26276	x

Example of type marking: 26174 = LUXOR 280 PAR **ERT5 DIM**

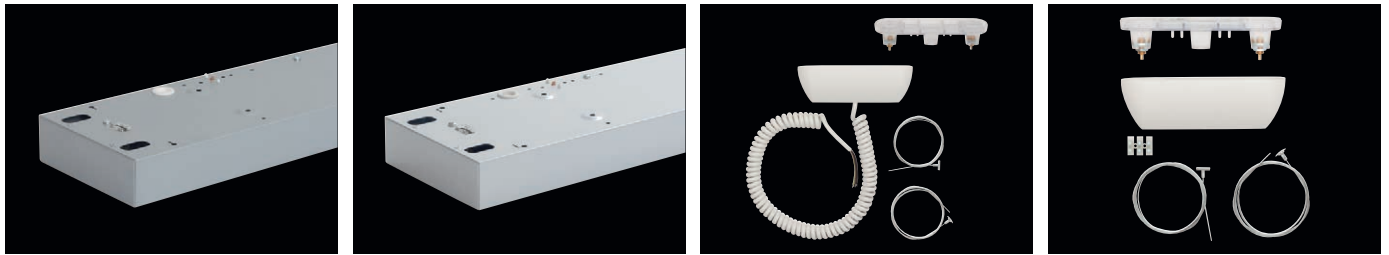
LEGEND

- s** – silver colour RAL 9006
PAR – parabolic louvre made of polished aluminium sheet
ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol
ERT5 DIM – version with electronic analogue dimmable ballast 1–10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
 Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws
- b) By suspending to a ceiling with the use of wire-cord suspensions



LIGHT FITTING DETAILED VIEW

LUXOR T5 PAR



LUXOR T5 MAT



TECHNICAL DESCRIPTION

- Body: steel sheet, white (RAL 9003) or silver (RAL 9006) colour
- Diffuser: parabolic louvre made of matted aluminium sheet (MAT)
- Terminal block: screwless, three-pole
- Cable gland: rubber (SBS), white
- Springs: for cover attachment
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Parabolic louvre made of matted aluminium sheet (MAT) - body: silver RAL 9006 (s) - electronic ballast HE/HO (intelligent) - T5/G5							
26012	LUXOR 114/24 MAT ET5 s	1x14/24	1350/2000*	54/54	2.5	645	400
26022	LUXOR 128/54 MAT ET5 s	1x28/54	2900/5000*	54/54	4.2	1240	900
26032	LUXOR 135/49/80 MAT ET5 s	1x35/49/80	3650/4900/7000*	54/54/54	5.0	1540	1200
26042	LUXOR 214/24 MAT ET5 s	2x14/24	2700/4000*	55/55	3.0	645	400
26052	LUXOR 228/54 MAT ET5 s	2x28/54	5800/10000*	55/55	5.0	1240	900
26062	LUXOR 235/49 MAT ET5 s	2x35/49	7300/9800*	55/55	6.0	1540	1200
26072	LUXOR 280 MAT ET5 s	2x80	14000*	55	6.0	1540	1200

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

LUXOR T5 MAT s

Code	Type
26012	LUXOR 114/24 MAT ET5 s
26022	LUXOR 128/54 MAT ET5 s
26032	LUXOR 135/49/80 MAT ET5 s
26042	LUXOR 214/24 MAT ET5 s
26052	LUXOR 228/54 MAT ET5 s
26062	LUXOR 235/49 MAT ET5 s
26072	LUXOR 280 MAT ET5 s

Parabolic louvre made of matted aluminium sheet (MAT), electronic ballast T5, silver (s)

M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26019	x	26015	26211	x	26017	26213	x
26029	x	26025	26221	x	26027	26223	x
26039	x	26035	26231	x	26037	26233	x
26049	x	26045	26241	x	26047	26243	x
26059	x	26055	26251	x	26057	26253	x
26069	x	26065	26261	x	26067	26263	x
26079	x	26075	26271	x	26077	26273	x

LUXOR T5 MAT

26010	LUXOR 114/24 MAT ET5
26020	LUXOR 128/54 MAT ET5
26030	LUXOR 135/49/80 MAT ET5
26040	LUXOR 214/24 MAT ET5
26050	LUXOR 228/54 MAT ET5
26060	LUXOR 235/49 MAT ET5
26070	LUXOR 280 MAT ET5

Parabolic louvre made of matted aluminium sheet (MAT), electronic ballast T5, white

26018	x	26014	26210	x	26016	26212	x
26028	x	26024	26220	x	26026	26222	x
26038	x	26034	26230	x	26036	26232	x
26048	x	26044	26240	x	26046	26242	x
26058	x	26054	26250	x	26056	26252	x
26068	x	26064	26260	x	26066	26262	x
26078	x	26074	26270	x	26076	26272	x

Example of type marking: 26074 = LUXOR 280 MAT **ERT5 DIM**

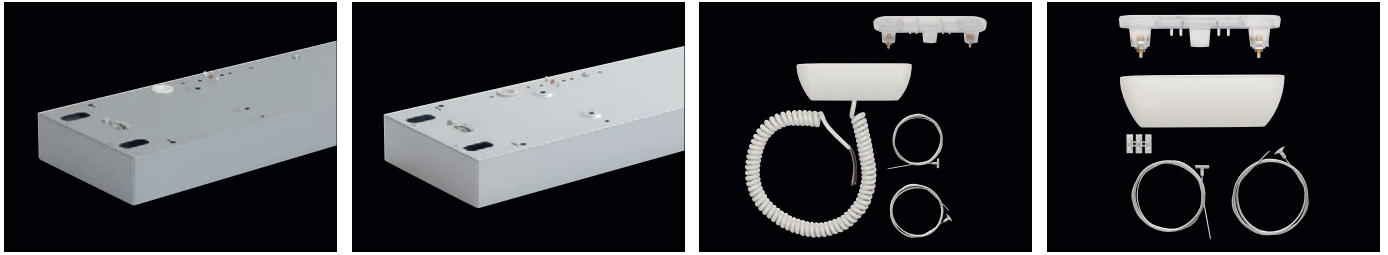
LEGEND

- s** – silver colour RAL 9006
MAT – parabolic louvre made of matted aluminium sheet
ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol
ERT5 DIM – version with electronic analogue dimmable ballast 1–10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
 Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

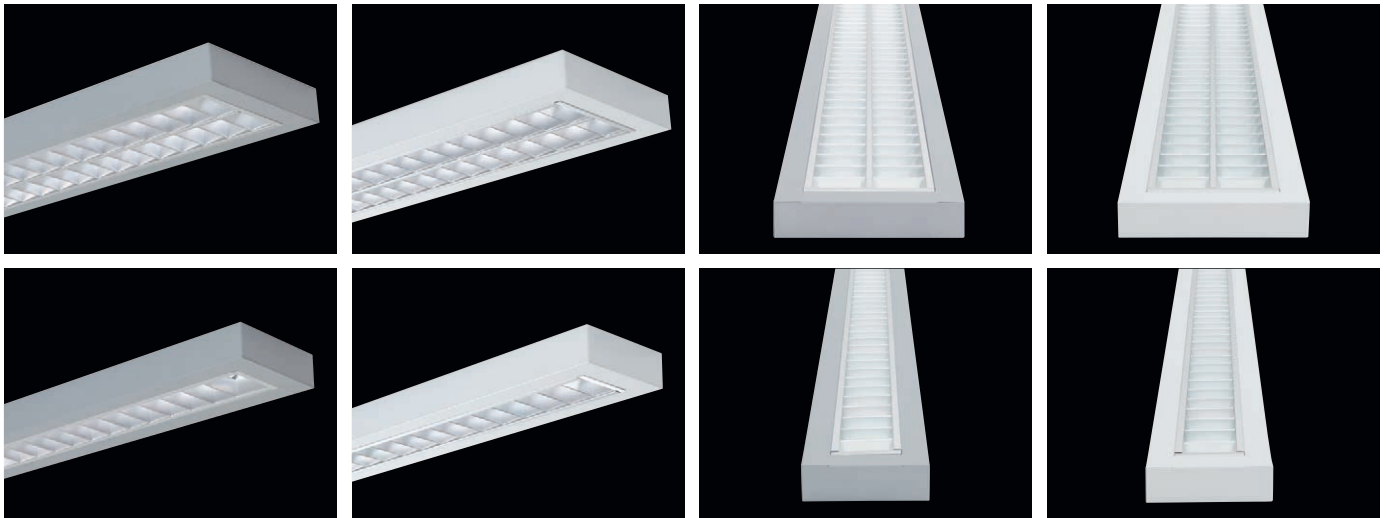
LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws
- b) By suspending to a ceiling with the use of wire-cord suspensions



LIGHT FITTING DETAILED VIEW

LUXOR T5 MAT



LUXOR T5 OP



TECHNICAL DESCRIPTION

- Body: steel sheet, white (RAL 9003) or silver (RAL 9006) colour
- Diffuser: opalized acrylate in frame (OP)
- Terminal block: screwless, three-pole
- Cable gland: rubber (SBS), white
- Springs: for cover attachment
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of opalized acrylate (OP) - body: silver RAL 9006 (s) - electronic ballast HE/HO (intelligent) - T5/G5							
26312	LUXOR 114/24 OP ET5 s	1x14/24	1350/2000*	54/54	2.4	645	400
26322	LUXOR 128/54 OP ET5 s	1x28/54	2900/5000*	54/54	4.1	1240	900
26332	LUXOR 135/49/80 OP ET5 s	1x35/49/80	3650/4900/7000*	54/54/54	4.9	1540	1200
26342	LUXOR 214/24 OP ET5 s	2x14/24	2700/4000*	55/55	2.9	645	400
26352	LUXOR 228/54 OP ET5 s	2x28/54	5800/10000*	55/55	4.9	1240	900
26362	LUXOR 235/49 OP ET5 s	2x35/49	7300/9800*	55/55	5.9	1540	1200
26372	LUXOR 280 OP ET5 s	2x80	14000*	55	5.9	1540	1200

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

LUXOR T5 OP s

Diffuser made of opalized acrylate (OP), electronic ballast T5, silver (s)

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26312	LUXOR 114/24 OP ET5 s	26319	x	26315	26313	x	26317	26219	x
26322	LUXOR 128/54 OP ET5 s	26329	x	26325	26323	x	26327	26229	x
26332	LUXOR 135/49/80 OP ET5 s	26339	x	26335	26333	x	26337	26239	x
26342	LUXOR 214/24 OP ET5 s	26349	x	26345	26343	x	26347	26249	x
26352	LUXOR 228/54 OP ET5 s	26359	x	26355	26353	x	26357	26259	x
26362	LUXOR 235/49 OP ET5 s	26369	x	26365	26363	x	26367	26269	x
26372	LUXOR 280 OP ET5 s	26379	x	26375	26373	x	26377	26279	x

LUXOR T5 OP

Diffuser made of opalized acrylate (OP), electronic ballast T5, white

Code	Type	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26310	LUXOR 114/24 OP ET5	26318	x	26314	26311	x	26316	26218	x
26320	LUXOR 128/54 OP ET5	26328	x	26324	26321	x	26326	26228	x
26330	LUXOR 135/49/80 OP ET5	26338	x	26334	26331	x	26336	26238	x
26340	LUXOR 214/24 OP ET5	26348	x	26344	26341	x	26346	26248	x
26350	LUXOR 228/54 OP ET5	26358	x	26354	26351	x	26356	26258	x
26360	LUXOR 235/49 OP ET5	26368	x	26364	26361	x	26366	26268	x
26370	LUXOR 280 OP ET5	26378	x	26374	26371	x	26376	26278	x

Example of type marking: 26374 = LUXOR 280 OP ERT5 DIM

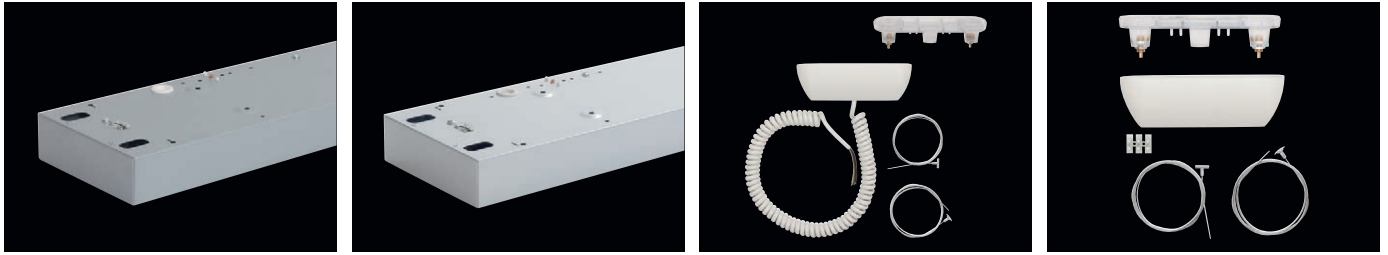
LEGEND

- s** – silver colour RAL 9006
OP – diffuser made of opalized acrylate
ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol
ERT5 DIM – version with electronic analogue dimmable ballast 1–10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
 Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws
- b) By suspending to a ceiling with the use of wire-cord suspensions



LIGHT FITTING DETAILED VIEW

LUXOR T5 OP



LUXOR T5 DI-IN



... indoor metal fluorescent light fitting.

USE

The light fitting is suitable for both direct and indirect illumination of offices, hallways, school interiors, libraries, lecture rooms, hospitals and passenger terminals.

ADVANTAGES

- Light fitting protection: **IP20**
 - Diffuser: parabolic louvre (PAR) – polished aluminium, matted louvre (MAT) – matted aluminium or cover
 - Body shape is modified for both direct and indirect illumination
 - Up to 10 % lower electricity consumption when compared to electronic ballast T8
 - Up to 40 % lower electricity consumption when compared to inductive ballast T8
 - Up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
 - Up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
- Maximum luminous flux of the light fitting T5 is achieved at 35 °C (T8 at 25 °C)
 - It can be delivered in dimmable or emergency version

IP20

Ø 16
G 5

CE

±2.5 mm²
6-20

1 105 °C

EVG

EVG DALI

EVG DIM

F

230 V
0/50/60 Hz

AC
DC

⊕

EMERGENCY

⚠

⚠

⚠

⚠

LUXOR T5 PAR DI-IN



TECHNICAL DESCRIPTION

- Body: perforated steel sheet, white (RAL 9003) or silver (RAL 9006) colour
- Diffuser: parabolic louvre made of polished aluminium sheet (PAR)
- Terminal block: screwless, three-pole
- Cable gland: rubber (SBS), white
- Springs: for cover attachment
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Parabolic louvre made of polished aluminium sheet (PAR) - body: silver RAL 9006 (s) - electronic ballast HE/HO (intelligent) - T5/G5							
26113	LUXOR 114/24 PAR ET5 DI-IN s	1x14/24	1350/2000*	78/78	2.5	645	400
26123	LUXOR 128/54 PAR ET5 DI-IN s	1x28/54	2900/5000*	78/78	4.2	1240	900
26133	LUXOR 135/49/80 PAR ET5 DI-IN s	1x35/49/80	3650/4900/7000*	78/78/78	5.0	1540	1200
26143	LUXOR 214/24 PAR ET5 DI-IN s	2x14/24	2700/4000*	77/77	3.0	645	400
26153	LUXOR 228/54 PAR ET5 DI-IN s	2x28/54	5800/10000*	77/77	5.0	1240	900
26163	LUXOR 235/49 PAR ET5 DI-IN s	2x35/49	7300/9800*	77/77	6.0	1540	1200
26173	LUXOR 280 PAR ET5 DI-IN s	2x80	14000*	77	6.0	1540	1200

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

LUXOR T5 PAR DI-IN s

Code	Type
26113	LUXOR 114/24 PAR DI-IN ET5
26123	LUXOR 128/54 PAR DI-IN ET5
26133	LUXOR 135/49/80 PAR DI-IN ET5
26143	LUXOR 214/24 PAR DI-IN ET5
26153	LUXOR 228/54 PAR DI-IN ET5
26163	LUXOR 235/49 PAR DI-IN ET5
26173	LUXOR 280 PAR DI-IN ET5

Parabolic louvre made of polished aluminium sheet (PAR)
electronic ballast T5, for both direct and indirect illumination, silver (s)

	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26519	x		26515	26511	x	26517	26513	x
26529	x		26525	26521	x	26527	26593	x
26539	x		26535	26531	x	26537	26533	x
26549	x		26545	26541	x	26547	26543	x
26559	x		26555	26551	x	26557	26553	x
26569	x		26565	26561	x	26567	26563	x
26579	x		26575	26571	x	26577	26573	x

LUXOR T5 PAR DI-IN

Code	Type
26111	LUXOR 114/24 PAR DI-IN ET5
26121	LUXOR 128/54 PAR DI-IN ET5
26131	LUXOR 135/49/80 PAR DI-IN ET5
26141	LUXOR 214/24 PAR DI-IN ET5
26151	LUXOR 228/54 PAR DI-IN ET5
26161	LUXOR 235/49 PAR DI-IN ET5
26171	LUXOR 280 PAR DI-IN ET5

Parabolic louvre made of polished aluminium sheet (PAR)
electronic ballast T5, for both direct and indirect illumination, white

	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26518	x		26584	26510	x	26516	26582	x
26528	x		26524	26520	x	26526	26592	x
26538	x		26534	26530	x	26536	26532	x
26548	x		26544	26540	x	26546	26542	x
26558	x		26554	26550	x	26556	26552	x
26568	x		26564	26560	x	26566	26562	x
26578	x		26574	26570	x	26576	26572	x

Example of type marking: 26574 = LUXOR 280 PAR DI-IN **ERT5 DIM**

LEGEND

- s** – silver colour RAL 9006
PAR – parabolic louvre made of polished aluminium sheet
ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol
ERT5 DIM – version with electronic analogue dimmable ballast 1-10 V

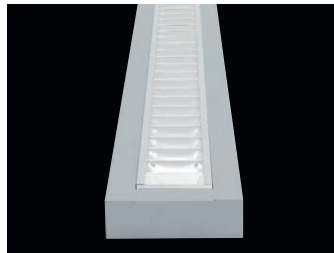
- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
 Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

- a) Directly to a ceiling or a wall with the use of screws
- b) By suspending to a ceiling with the use of wire-cord suspensions

**LIGHT FITTING DETAILED VIEW**

LUXOR T5 PAR DI-IN



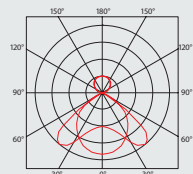
LUXOR T5 MAT DI-IN



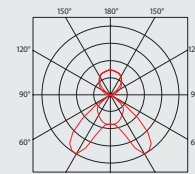
TECHNICAL DESCRIPTION

- Body: perforated steel sheet, white (RAL 9003) or silver (RAL 9006) colour
- Diffuser: parabolic louvre made of matted aluminium sheet (MAT)
- Terminal block: screwless, three-pole
- Cable gland: rubber (SBS), white
- Springs: for cover attachment
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP20

LUXOR 1XX MAT ET5 DI-IN



LUXOR 2XX MAT ET5 DI-IN



Code	Type	Light sources [W]	Luminous flux [lm]	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Parabolic louvre made of matted aluminium sheet (MAT) - body: silver RAL 9006 (s) - electronic ballast HE/HO (intelligent) - T5/G5							
26013	LUXOR 114/24 MAT ET5 DI-IN s	1x14/24	1350/2000*	78/78	2.5	645	400
26023	LUXOR 128/54 MAT ET5 DI-IN s	1x28/54	2900/5000*	78/78	4.2	1240	900
26033	LUXOR 135/49/80 MAT ET5 DI-IN s	1x35/49/80	3650/4900/7000*	78/78/78	5.0	1540	1200
26043	LUXOR 214/24 MAT ET5 DI-IN s	2x14/24	2700/4000*	77/77	3.0	645	400
26053	LUXOR 228/54 MAT ET5 DI-IN s	2x28/54	5800/10000*	77/77	5.0	1240	900
26063	LUXOR 235/49 MAT ET5 DI-IN s	2x35/49	7300/9800*	77/77	6.0	1540	1200
26073	LUXOR 280 MAT ET5 DI-IN s	2x80	14000*	77	6.0	1540	1200

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

LUXOR T5 MAT DI-IN s

Code	Type
26013	LUXOR 114/24 MAT ET5 DI-IN s
26023	LUXOR 128/54 MAT ET5 DI-IN s
26033	LUXOR 135/49/80 MAT ET5 DI-IN s
26043	LUXOR 214/24 MAT ET5 DI-IN s
26053	LUXOR 228/54 MAT ET5 DI-IN s
26063	LUXOR 235/49 MAT ET5 DI-IN s
26073	LUXOR 280 MAT ET5 DI-IN s

Parabolic louvre made of matted aluminium sheet (MAT),
electronic ballast T5, for both direct and indirect illumination, silver (s)

	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26419	x		26415	26411	x	26417	26413	x
26429	x		26425	26421	x	26427	26423	x
26439	x		26435	26431	x	26437	26433	x
26449	x		26445	26441	x	26447	26443	x
26459	x		26455	26451	x	26457	26453	x
26469	x		26465	26461	x	26467	26463	x
26479	x		26475	26471	x	26477	26473	x

LUXOR T5 MAT DI-IN

Code	Type
26011	LUXOR 114/24 MAT ET5 DI-IN
26021	LUXOR 128/54 MAT ET5 DI-IN
26031	LUXOR 135/49/80 MAT ET5 DI-IN
26041	LUXOR 214/24 MAT ET5 DI-IN
26051	LUXOR 228/54 MAT ET5 DI-IN
26061	LUXOR 235/49 MAT ET5 DI-IN
26071	LUXOR 280 MAT ET5 DI-IN

Parabolic louvre made of matted aluminium sheet (MAT),
electronic ballast T5, for both direct and indirect illumination, white

	M1h	M3h	ERT5 DIM	ERT5 DIM M1h	ERT5 DIM M3h	ERT5 DALI	ERT5 DALI M1h	ERT5 DALI M3h
26418	x		26414	26410	x	26416	26412	x
26428	x		26424	26420	x	26426	26422	x
26438	x		26434	26430	x	26436	26432	x
26448	x		26444	26440	x	26446	26442	x
26458	x		26454	26450	x	26456	26452	x
26468	x		26464	26460	x	26466	26462	x
26478	x		26474	26470	x	26476	26472	x

Example of type marking: 26474 = LUXOR 280 MAT DI-IN ERT5 DIM

LEGEND

- s** – silver colour RAL 9006
MAT – parabolic louvre made of matted aluminium sheet
ERT5 DALI – version with electronic digital dimmable ballast controlled by DALI protocol
ERT5 DIM – version with electronic analogue dimmable ballast 1-10 V

- M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination
M3h – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination
 Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

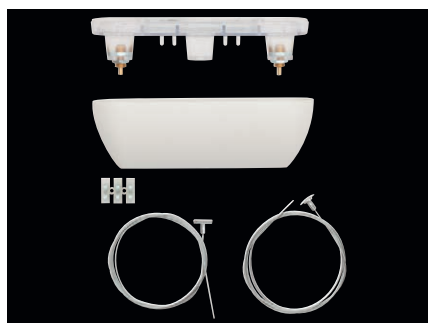
- a) Directly to a ceiling or a wall with the use of screws
- b) By suspending to a ceiling with the use of wire-cord suspensions

**LIGHT FITTING DETAILED VIEW**

LUXOR T5 PAR DI-IN



Ceiling suspension



Code	Type	Description	Weight [kg]
26001	LUXOR 1	wire-cord suspension for suspending with maximum length of 1.5 m (ceiling busbar, steel wire cord - 2 pcs, terminal block for wire cord fixation - 2 pcs)	0.2



Code	Type	Description	Weight [kg]
26002	LUXOR 2	wire-cord suspension for suspending with maximum length of 1.5 m including supply cable (ceiling busbar, steel wire cord - 2 pcs, terminal block for wire cord fixation - 2 pcs, twisted supply cable)	0.3



EMERGENCY



HELIOS



HELIOS – all-plastic emergency light fittings



HELIOS
p. 178



IP42 **IP65**

HELIOS
p. 178

HELIOS
ACCESSORIES
p. 181



HELIOS
ACCESSORIES
p. 181

HELIOS



... emergency and orientation illumination.

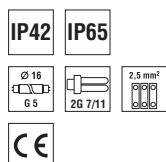
USE

The light fitting is suitable for emergency illumination of hallways, offices, warehouses and production shop floors.

ADVANTAGES

- Light fitting protection **P42 or IP65**
- Diffuser: polycarbonate
- Emergency module 1 hr or 3 hrs
- LED indicator of correct operation
- High-temperature NiCd battery
- Electronic protection against complete battery discharge
- Insulation: Class 2

It is also available in a **LED** design.
More information is in the TREVOS catalogue
of LED light fittings marked as HELIOS LED.

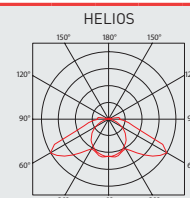
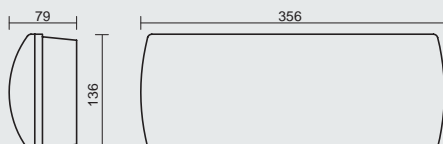


HELIOS



TECHNICAL DESCRIPTION

- Diffuser: transparent polycarbonate, UV stable
- Body: white polycarbonate
- Reflector: white polycarbonate
- Diffuser and body connected by screws
- Electric equipment: electronic ballast T5; emergency module 1 hr or 3 hrs; fluorescent tube
- Recognizing distance: 25 m
- Light fitting protection: IP42 or IP65



Code	Type	Light sources [W]	Lampholder	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]
Diffuser made of transparent polycarbonate - emergency back-up source with operation time of 1 hour [SE] for emergency (non-permanent) illumination - IP42						
43019	HELIOS 108 NM1h	1x8	T5/G5	90**	69	1,0
Diffuser made of transparent polycarbonate - electronic ballast T5 for central battery power supply AC/DC [CB = central battery] - IP42						
43078	HELIOS 108 CB	1x8	T5/G5	430*	69	0,4

* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

** - total luminous flux of the light fitting with T5/840 sources in emergency mode

HELIOS IP42 NM

Diffuser made of transparent polycarbonate, emergency back-up source (SE) for emergency (non-permanent) illumination

Code	Type	NM3h	NM1hAt	NM3hAt
43019	HELIOS 108 NM1h	43039	43049	43069

HELIOS IP65 NM

Diffuser made of transparent polycarbonate, emergency back-up source (SE) for emergency (non-permanent) illumination

43119	HELIOS IP65 108 NM1h	43139	43149	43169
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HELIOS IP42 M

Diffuser made of transparent polycarbonate, emergency back-up source (SA) for both permanent and emergency illumination

Code	Type	M3h	M1hAt	M3hAt
43018	HELIOS 108 M1h	43038	43048	43068

HELIOS IP65 M

Diffuser made of transparent polycarbonate, emergency back-up source (SA) for both permanent and emergency illumination

43118	HELIOS IP65 108 M1h	43138	43148	43168
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Example of type marking: 43162 = HELIOS IP65 118 M3hAt

HELIOS IP42 CB

Code	Type
43078	HELIOS 108 CB

HELIOS IP65 CB

Code	Type
43178	HELIOS IP65 108 CB

Module signalling with autotest (AT)

LED colour	Information
● green	● red
flashing	- battery charging
-	- ashing defective tube
-	- shining defective battery
-	- running test/emergency mode

LEGEND

- M1-3h** – emergency back-up source with operating time of 1 - 3 hours (SA) for both permanent and emergency illumination
- M1-3hAt** – emergency back-up source with operating time of 1 - 3 hours (SA) for both permanent and emergency illumination with autotest
- NM1-3h** – emergency back-up source with operating time of 1 - 3 hours (SE) for emergency (non-permanent) illumination
- NM1-3hAt** – emergency back-up source with operating time of 1 - 3 hours (SE) for emergency (non-permanent) illumination with autotest
- CB** – electronic ballast T5 for central battery power supply AC/DC (CB = central battery)

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

LIGHT FITTING ATTACHMENT

Directly to a ceiling or a wall with the use of screws













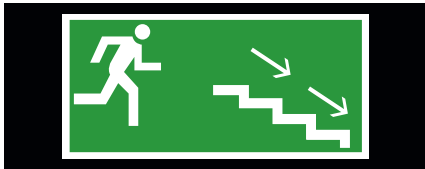
LIGHT FITTING DETAILED VIEW

HELIOS

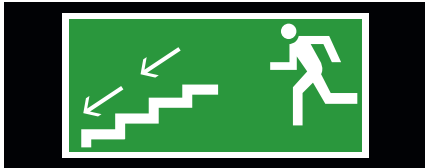


Stickers with pictograms for emergency light fittings

	Code	Type	Description	Dimensions [mm]
	43901	Pictogram 01 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43902	Pictogram 02 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43904	Pictogram 04 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43905	Pictogram 05 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43906	Pictogram 06 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43907	Pictogram 07 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43908	Pictogram 08 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43909	Pictogram 09 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43910	Pictogram 10 HE	for HELIOS type - 25 m distance	125x250
	Code	Type	Description	Dimensions [mm]
	43911	Pictogram 11 HE	for HELIOS type - 25 m distance	125x250



Code	Type	Description	Dimensions [mm]
43912	Pictogram 12 HE	for HELIOS type - 25 m distance	125x250



Code	Type	Description	Dimensions [mm]
43913	Pictogram 13 HE	for HELIOS type - 25 m distance	125x250

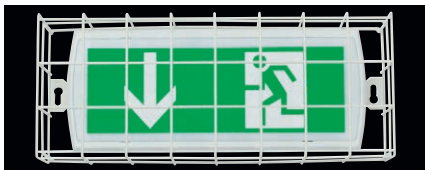


Code	Type	Description	Dimensions [mm]
43914	Pictogram 14 HE	for HELIOS type - 25 m distance	125x250



Code	Type	Description	Dimensions [mm]
43915	Pictogram 15 HE	for HELIOS type - 25 m distance	125x250

Protective grid



Code	Type	Description	Weight [kg]
43900	OM-HE, TG	protective grid for HELIOS	0,4



DALI PROFESSIONAL



CONTROL FOR BIG,
COMPREHENSIVE
APPLICATIONS



DALI PROFESSIONAL

This advanced system means a new trend in illumination control. It adds a new dimension of an easy control and creation of various illuminated scenes to the advantages of the LED technology.

The DALI PROFESSIONAL system is intended for comprehensive applications of illumination control for rooms and floors, the regulation depending on daylight, RGB and the dynamic control of illumination. This system allows us to reach big savings of electricity (ca. 75 %) when compared to existing applications without control.

The configuration and putting into operation is carried out very comfortably with the use of Windows PC software through USB connection. There is a predefined Plug&Play configuration for an immediate use without the necessity of the putting into operation procedure. The handling is carried out by standard switches, which are connected to the DALI PROFESSIONAL Coupler. The **DALI PRO SENSOR Coupler** serves for an easy connection of all lighting and presence sensors. Altogether up to 50 DALI PRO Couplers can be connected. Capacity glass touch panels and a touch screen with very elegant design are used as functional controlling elements.

Application:

- offices
- restaurants
- assembly and industrial shop floors
- warehouses
- shopping areas

DALI PROFESSIONAL advantages:

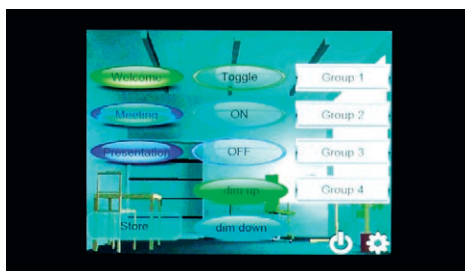
- each DALI circuit can control 64 electronic ballasts
- each DALI (A, B, C, D) circuit can contain 16 groups and save 16 scenes
- controller integrates 4 freely configurable, potential-free relays
- functions overreaching individual circuits
- control of all groups depending on daylight and space use intention with motion detection
- process control depending on space function, e.g. staircases, hallways
- graphic visualisation of device connection

DALI PROFESSIONAL system controlling units:



System accessories:

DALI PRO Touch control touch panel



- 5.7" LCD high-resolution touch screen
- e:bus DALI gateway power supply
- Switching and dimming of all connected light fittings
- Programmable times of switching-on and switching-off for groups
- Own objects such as backgrounds, logos, keys or layout plans can be used

Glass touch panel:



- Smooth surface made of real glass, extremely low profile
- 12 push-button functions
- e:bus DALI gateway power supply

Sensors:
HIGH BAY



Application:

- Industry

Product features:

- 3 - 10 m: people motion detection
- 3 - 13 m: vehicle motion detection (e.g. fork-lift truck)
- Delay time setting: 30 s - 20 min.
- Maximum stand-by electricity consumption: 0.25 W

LS/PD MULTI 3 CI



Application:

- Offices
- Hallways
- School classrooms

Product features:

- Ceiling-mounted sensor with movable sensor head
- Connection through four-pole terminal block or modular 4c4p connector
- Movable head with sensors

DALI REPEATER (DALI REP)

DALI REP LI - REPEATER FOR INSTALLATION DIRECTLY INTO LIGHT FITTING



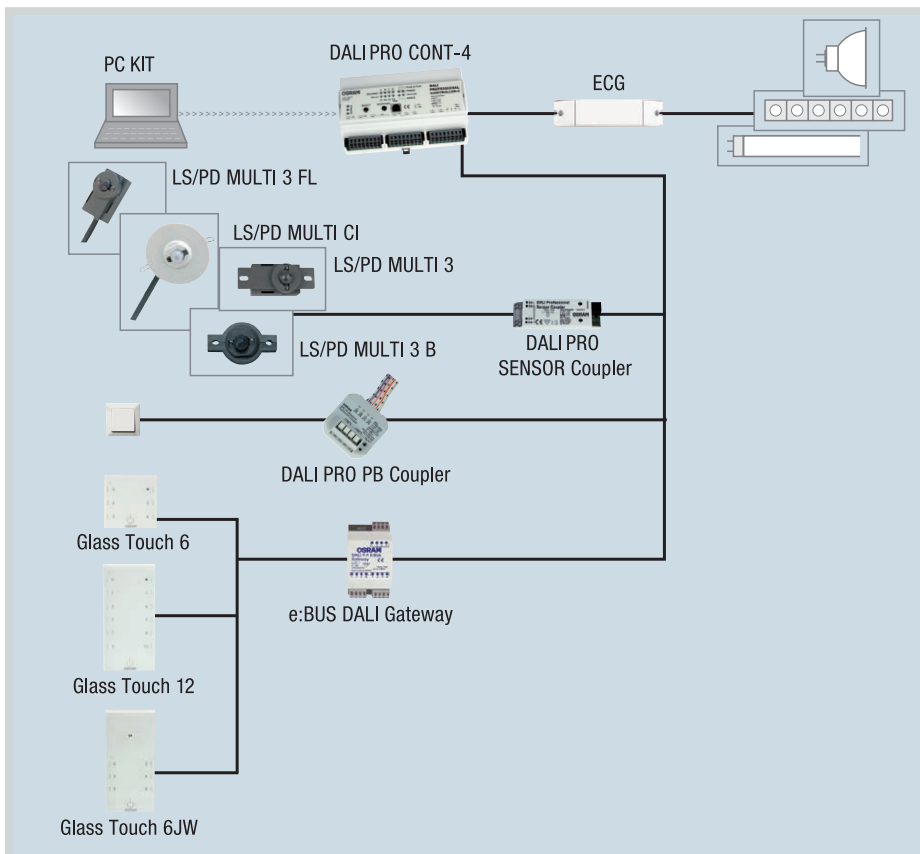
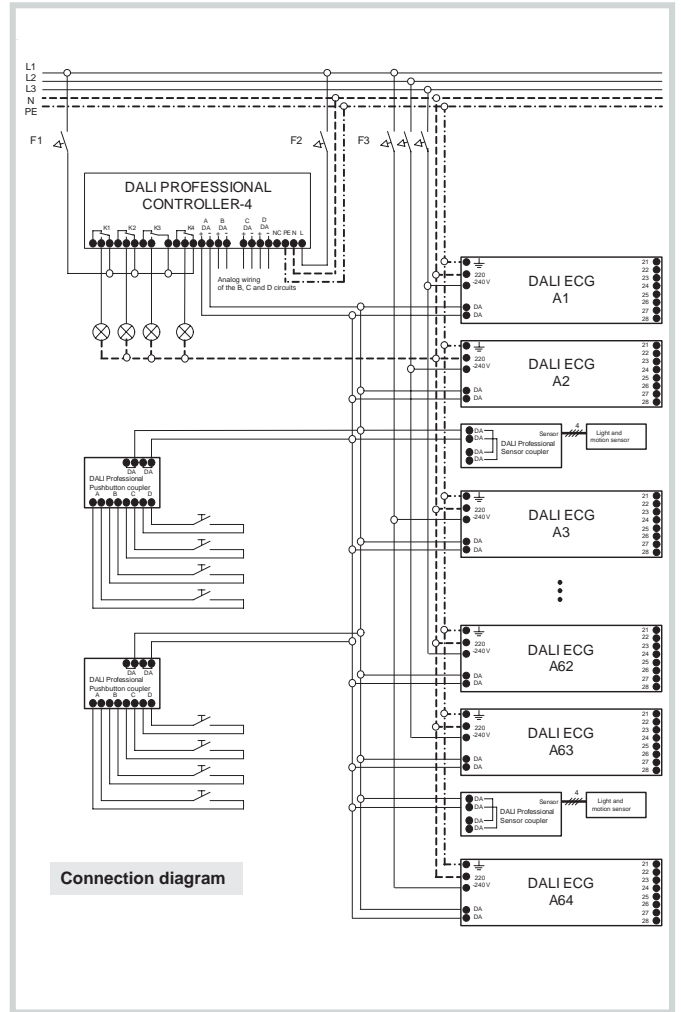
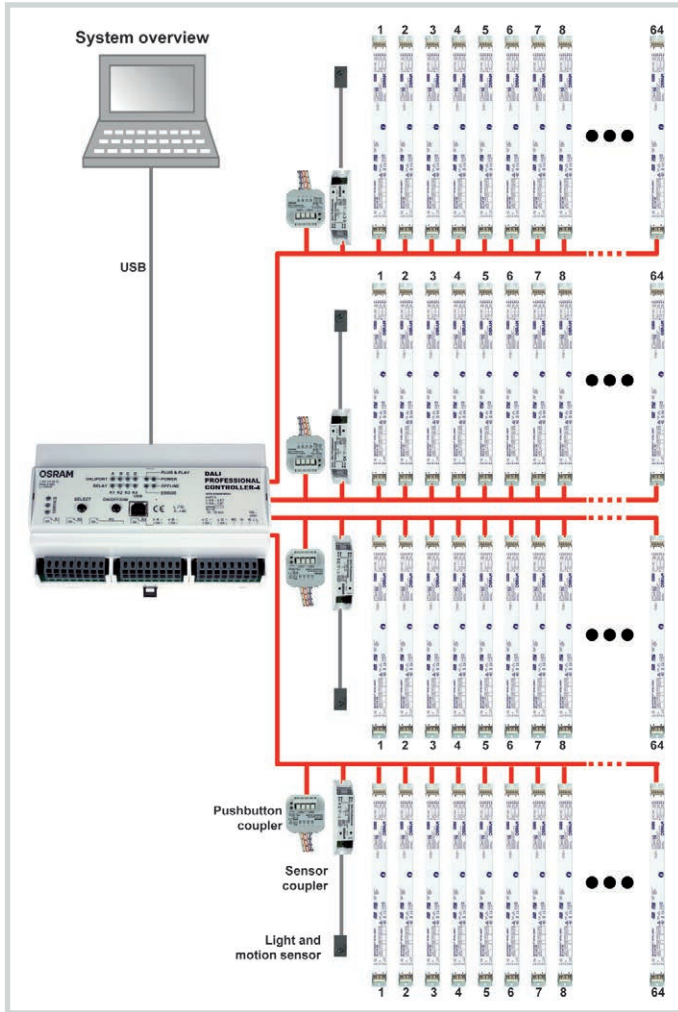
- It enables to add another 64 electronic ballasts to the DALI system
- It enables to extend the DALI line by another 300 m
- Electronic ballasts connected to a repeater work as a group
- Maximum input: 4 W

DALI REP SO - REPEATER FOR INSTALLATION INTO SWITCHBOARD ON DIN BUSBAR







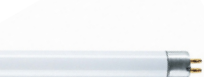


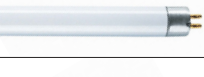





- It enables to add another 64 electronic ballasts to the DALI system
- It enables to extend the DALI line by another 300 m
- Electronic ballasts connected to a repeater work as a group
- Stand-by consumption: max. 1 W

WIRING DIAGRAM:



LIGHT SOURCES AND SYSTEMS - technical parameters

LBS	W	L [mm]	Lampholder	Luminous flux [lm]	t [h]	OSRAM	
Compact fluorescent tubes							
TC-T	13	90	GX24d-1	900	8000	DULUX T 13 W	
TC-T	18	100	GX24d-2	1200	8000	DULUX T 18 W	
TC-T	26	115	GX24d-3	1800	8000	DULUX T 26 W	
TC-D	13	115	G24D-1	900	8000	DULUX D 13 W	
TC-D	18	130	G24D-2	1200	8000	DULUX D 18 W	
TC-D	26	149	G24D-3	1800	8000	DULUX D 26 W	
TC-DEL	13	115	G24q-1	900	10000	DULUX D/E 13 W	
TC-DEL	18	130	G24q-2	1200	10000	DULUX D/E 18 W	
TC-DEL	26	149	G24q-3	1800	10000	DULUX D/E 26 W	
TC-S	9	144	G23	600	8000	DULUX S 9 W	
TC-S	11	214	G23	900	8000	DULUX S 11 W	
TC-L	18	217	2G11	1200	8000	DULUX L 18 W	
TC-L	24	317	2G11	1800	8000	DULUX L 24 W	
TC-L	36	411	2G11	2900	8000	DULUX L 36 W	
Linear fluorescent tubes							
T5	14	549	G5	1350	20000	LUMILUX HE 14 W	
T5	21	849	G5	2100	20000	LUMILUX HE 21 W	
T5	28	1149	G5	2900	20000	LUMILUX HE 28 W	
T5	35	1449	G5	3650	20000	LUMILUX HE 35 W	
T5	24	549	G5	2000	24000	LUMILUX HO 24 W	
T5	39	849	G5	3500	24000	LUMILUX HO 39 W	
T5	49	1449	G5	4900	24000	LUMILUX HO 54 W	
T5	54	1149	G5	5000	24000	LUMILUX HO 54 W	
T5	80	1449	G5	7000	24000	LUMILUX HO 80 W	
T5	24	549	G5	1900	24000	CONSTANT HO 24 W	
T5	39	849	G5	3400	24000	CONSTANT HO 39 W	
T5	49	1449	G5	4300	24000	CONSTANT HO 54 W	
T5	54	1149	G5	4850	24000	CONSTANT HO 54 W	
T5	80	1449	G5	6800	24000	CONSTANT HO 80 W	
ES - energy saver							
T5	25	1149	G5	2900	20000	LUMILUX HE 25 W ES	
T5	32	1449	G5	3650	20000	LUMILUX HE 32 W ES	
T5	45	1449	G5	4900	24000	LUMILUX HO 45 W ES	
T5	50	1149	G5	5000	24000	LUMILUX HO 50 W ES	
T5	73	1449	G5	7000	24000	LUMILUX HO 73 W ES	
XT - with long lifetime							
T5	54	1149	G5	5000	45000	LUMILUX HO 54 W XT	
T5	80	1449	G5	7000	45000	LUMILUX HO 80 W XT	
T8	10	470	G13	650	18000	LUMILUX L 10 W	
T8	15	438	G13	950	18000	LUMILUX L 15 W	
T8	18	590	G13	1350	18000	LUMILUX L 18 W	
T8	30	895	G13	2400	18000	LUMILUX L 30 W	
T8	36	1200	G13	3350	18000	LUMILUX L 36 W	
T8	58	1500	G13	5200	18000	LUMILUX L 58 W	
Circular fluorescent tubes							
T-R 8 (T9 C)	22	216	G10q	1350	10000	LUMILUX L 22 W C	
T-R 8 (T9 C)	32	305	G10q	2250	10000	LUMILUX L 32 W C	
T-R 8 (T9 C)	40	406	G10q	3200	10000	LUMILUX L 40 W C	
T5 FC	22	230	2GX13	1900	12000	LUMILUX FC 22 W	
T5 FC	40	305	2GX13	3400	12000	LUMILUX FC 32 W	
T5 FC	55	305	2GX13	4200	12000	LUMILUX FC 40 W	

LBS - international system of light source marking

Luminous flux [lm] - luminous flux in lumens (in spectrum from 830 to 840)

t [h] - average lifetime of sources in hours (operation with ballast with warm start)

OSRAM - Osram light source offer

OSRAM electronic ballasts

The guarantee of up to 5 years is provided for EBs after registration and the use of OSRAM EBs in combination with OSRAM light sources.

If T5 HE and T5 HO fluorescent tubes are in vertical operating position, their base with marking print must be placed down.

If T5 FC fluorescent tube is in vertical operating position, its 2GX13 base must be placed down. In case of light fittings with more fluorescent tubes, T5 HE and T5 HO fluorescent tubes must be always used with their marking print at the same side in order to avoid heating their "cold spot".



LIGHT SOURCES AND SYSTEMS - technical parameters

LBS	W	L [mm]	Lampholder	Luminous flux [lm]	t [h]	OSRAM	
Halide lamps							POWERSTAR
HIT	70	84	G12	5800	9000	HQI-T 70/NDL	
HIT	70	84	G12	5300	9000	HQI-T 70/WDL	
HIT	150	84	G12	13000	9000	HQI-T 150/NDL	
HIT	150	84	G12	13000	9000	HQI-T 150/WDL	
HIT	250	226	E40	20000	12000	HQI-T 250/D PRO	
HIT	250	246	E40	19800	12000	HQI-T 250/N/SI SUPER	
HIT	400	273	E40	42000	12000	HQI-T 400/N	
HIT	400	275	E40	36500	12000	HQI-T 400/N/SI SUPER	
HIT	1000	345	E40	85000	9000	HQI-T 1000/D	
HIT	1000	345	E40	110000	9000	HQI-T 1000/N	
HIT	2000	430	E40	180000	9000	HQI-T 2000/D	
HIT	2000	430	E40	205000	9000	HQI-T 2000/N	
HIT	2000	430	E40	240000	9000	HQI-T 2000/N/E SUPER	
HIT-DE	70	117	RX7s	6500	9000	HQI-TS 70/NDL	
HIT-DE	70	117	RX7s	6200	9000	HQI-TS 70/WDL	
HIT-DE	70	117	RX7s	6200	9000	HQI-TS 70/D	
HIT-DE	150	135	RX7s-24	12500	12000	HQI-TS 150/NDL	
HIT-DE	150	135	RX7s-24	12000	12000	HQI-TS 150/WDL	
HIT-DE	150	135	RX7s-24	13500	12000	HQI-TS 150/D	
HIT-DE	250	162	Fc2	20000	12000	HQI-TS 250/NDL	
HIT-DE	250	162	Fc2	22000	12000	HQI-TS 250/WDL	
HIT-DE	250	162	Fc2	20000	12000	HQI-TS 250/D PRO	
HIT-DE	1000	187	K12s-36	90000	6000	HQI-TS 1000/NDL/S	
HIT-DE	1000	187	K12s-36	90000	6000	HQI-TS 1000/D/S	
HIT-DE	2000	187	K12s-36	215000	4000	HQI-TS 2000/NDL/S	
HIT-DE	2000	187	K12s-36	200000	4000	HQI-TS 2000/D/S	
HIE	70	141	E27	5500	9000	HQI-E 70/NDL/clear	
HIE	70	141	E27	5200	9000	HQI-E 70/WDL/clear	
HIE	100	141	E27	8400	9000	HQI-E 100/NDL/clear	
HIE	100	141	E27	8500	9000	HQI-E 100/WDL/clear	
HIE	150	141	E27	12500	9000	HQI-E 150/NDL/clear	
HIE	150	141	E27	12900	9000	HQI-E 150/WDL/clear	
HIE	250	226	E40	19000	12000	HQI-E 250/D PRO	
HIE	250	244	E40	19200	12000	HQI-E 250/N/SI SUPER	
HIE	400	285	E40	42000	12000	HQI-E 400/N/clear	
HIE	400	290	E40	34000	12000	HQI-E 400/D PRO	
HIE	400	285	E40	35000	12000	HQI-E 400/N/SI SUPER	
Sodium high-pressure lamps							
HST	150	210	E40	15000	24000	NAV-T 150	
HST	150	210	E40	74500	24000	NAV-T 150 SUPER 4Y	
HST	250	257	E40	28000	24000	NAV-T 250	
HST	250	257	E40	33200	24000	NAV-T 250 SUPER 4Y	
HST	400	285	E40	48000	24000	NAV-T 400	
HST	400	285	E40	56500	24000	NAV-T 400 SUPER 4Y	
HST	1000	360	E40	130000	-	NAV-T 1000	
HST-DE	70	120	RX7s	6800	18000	NAV-TS 70 SUPER 4Y	
HST-DE	150	138	RX7s-24	15000	24000	NAV-TS 150 SUPER 4Y	
HSE	70	71	E27	5600	18000	NAV-E 70/E	
HSE	70	71	E27	6300	18000	NAV-E 70 SUPER 4Y	
HSE	100	76	E27	8500	18000	NAV-E 100	
HSE	100	76	E27	10200	18000	NAV-E 100 SUPER 4Y	
HSE	150	91	E40	14500	24000	NAV-E 150	
HSE	150	91	E40	17000	24000	NAV-E 150 SUPER 4Y	
HSE	250	91	E40	27000	24000	NAV-E 250	
HSE	250	91	E40	31100	24000	NAV-E 250 SUPER 4Y	
HSE	400	122	E40	48000	24000	NAV-E 400	
HSE	400	122	E40	55500	24000	NAV-E 400 SUPER 4Y	
Mercury lamps							
HME	50	56	E27	2000	24000	HQL 50 DE LUXE	
HME	80	71	E27	4000	24000	HQL 80 DE LUXE	
HME	125	76	E27	6800	24000	HQL 125 DE LUXE	
HME	250	91	E40	14000	24000	HQL 250 DE LUXE	
HME	400	122	E40	24000	24000	HQL 400 DE LUXE	

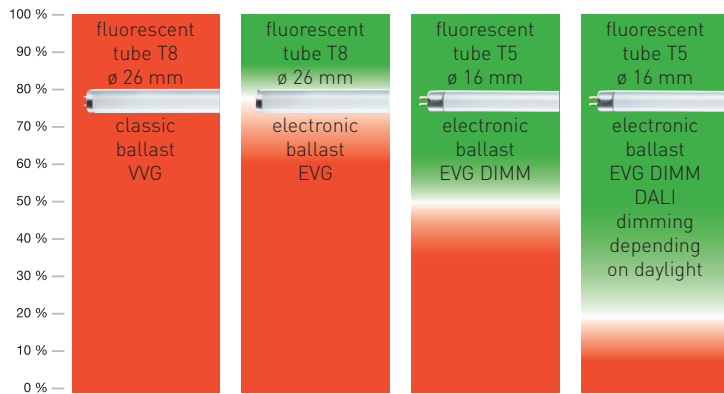
LIGHT SOURCES AND SYSTEMS - technical parameters

Light source type	Input [W]	Max. dimension [mm]	Luminous flux [lm]		System input (active) [W]		System input current to light source [A]		
			at 25°C	at 35°C	EL. b.	EL.-mag. b.	EL. b. compensated	EL.-mag. b.	
							compensated	compensated	uncompensated
Linear fl. tubes - T8 (827, 830, 840)									
	15	438	950	875	15	19	0.07	0.08	0.17
	18	590	1350	1200	18	23	0.08	0.1	0.19
	36	1200	3350	3050	36	43	0.16	0.19	0.42
	58	1500	5200	4600	58	65	0.26	0.29	0.61
Linear fl. tubes - T5 (827, 830, 840)									
	14	549	1200	1350	15		0.07		
	21	849	1900	2100	22		0.1		
	24	549	1750	2000	26		0.12		
	28	1149	2600	2900	31		0.15		
	35	1449	3300	3650	38		0.18		
	39	849	3100	3500	42		0.19		
	49	1449	4300	4900	53		0.24		
	54	1149	4450	5050	58		0.26		
	80	1449	6150	7050	85		0.38		
Circular fl. tubes - T8 (827, 830, 840)									
	22	216	1350	1200	22	26	0.09	0.11	0.21
	32	307	2050	1850	35	37	0.15	0.18	0.31
	40	409	2900	2650	40	45	0.18	0.22	0.35
Circular fl. tubes - T5 (827, 830, 840)									
	22	225	1800	2050	24		0.11		
	40	300	3200	3600	43		0.19		
	55	300	4200	4850	59		0.27		
Square fl. tubes (827, 835)									
	16	141	1050		18	22	0.08	0.11	0.19
	28	207	2050		31	35	0.14	0.17	0.3
Compact fl. tubes (827, 830, 840)									
	9	167	600		11	16	0.05	0.07	0.1
	11	237	900		13	17	0.06	0.08	0.12
	13	115	900		15	19	0.07	0.1	0.13
	18	130	1200		21	25	0.09	0.12	0.18
	26	149	1800		30	34	0.13	0.16	0.26

Fluorescent source colour rendering correct choice	Shot light	Warm white					White				Daylight			Horti-culture
		29	827	927	830	930	25	33	840	940	950	865	965	
Light colour	79													54
CIE division		3	1B	1A	1B	1A	2A	2B	1B	1A	1A	1B	1A	2A
Shop - foodstuff					●				●					
Shop - meat	●								●					
Shop - textiles, leather				●		●				●				
Hairdressers', beauty salons				●		●				●				
Workshops, mechanics									●			●		
Printing										●	●		●	
Warehouses									●					
Paintshops									●			●		
Colour testing											●		●	
Growing of plants														●
Households, restaurants			●	●										
Offices, school rooms					●				●					
Museums						●				●				
Hospital rooms				●		●								
Consulting rooms										●				
Sporting facilities					●				●					
Outdoor illumination		●						●						●

● Recommended ■ Permissible

FLORESCENT TUBE SOURCE ELECTRICITY SAVINGS DEPENDING ON USED BALLAST TYPE

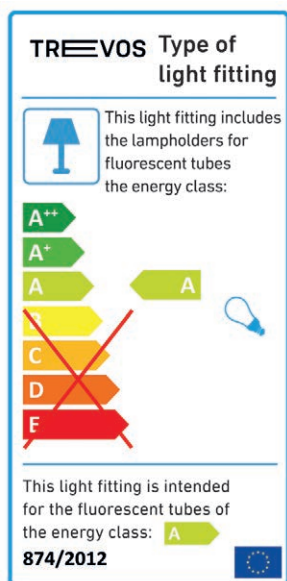


With controlled illumination depending on daylight and presence of persons it is possible to save up to 80% of electricity.

CHEMICAL RESISTANCE OF LIGHT FITTING BODIES

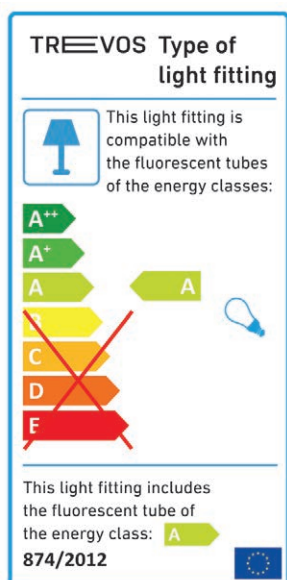
Environment	Maximum concentration	Polycarbonate/PC			Acrylate/AC (SAN, PMMA)			ABS			Aluminium/Al (DIN 230)			Polyamide (PA6/66)		
		Resistance			Resistance			Resistance			Resistance			Resistance		
		yes	partially	no	yes	partially	no	yes	partially	no	yes	partially	no	yes	partially	no
Aceton (ketones)		●		●		●		●		●		●		●		●
Aniline			●	●			●		●		●		●		●	
Ammonia	5%			●		●		●		●		●		●		●
Benzaldehyde			●	●			●		●		●		●		●	
Benzene				●			●		●		●		●		●	
Diethylether (ethers)				●		●		●		●		●		●		●
Potassium nitrate	40%	●		●		●		●		●		●		●		●
Ethanol (alcohols)	50%	●		●		●		●		●		●		●		●
Ethylacetate (esters)				●			●		●		●		●		●	
Ethyl alcohol		●		●		●		●		●		●		●		●
Phenol				●			●		●		●		●		●	
Glycerine			●	●		●		●		●		●		●		●
Heptane				●		●		●		●		●		●		●
Ammonium hydroxide	25%			●		●		●		●		●		●		●
Sodium hydroxide - base	60%			●		●		●		●		●		●		●
Sodium chloride - salt solution	15%	●		●		●		●		●		●		●		●
Sulphur chloride and Calcium chloride		●		●		●		●		●		●		●		●
Carbon tetrachloride and Chloric ether				●			●		●		●		●		●	
Iron dichloride		●		●		●		●		●		●		●		●
Arsenic acid and Oleic acid		●		●		●		●		●		●		●		●
Citric acid	20%	●		●		●		●		●		●		●		●
Nitric acid	20%		●	●		●		●		●		●		●		●
Nitric acid	50%			●			●		●		●		●		●	
Hydrochlorid acid	5%	●		●		●		●		●		●		●		●
Hydrochlorid acid	35%			●			●		●		●		●		●	
Chromic acid	40%		●	●		●		●		●		●		●		●
Formic acid	30%			●		●		●		●		●		●		●
Acetic acid	10%	●		●		●		●		●		●		●		●
Sulphuric acid	30%	●		●		●		●		●		●		●		●
Methanol				●			●		●		●		●		●	
Fuel oil			●	●		●		●		●		●		●		●
Mineral oil			●	●		●		●		●		●		●		●
Vegetable oil			●	●		●		●		●		●		●		●
Rape oil			●	●		●		●		●		●		●		●
Lamp oil			●	●		●		●		●		●		●		●
Hydrogen peroxide	30%	●		●		●		●		●		●		●		●
Ammonium sulphate	15%	●		●		●		●		●		●		●		●
Toluene				●			●		●		●		●		●	
Turpentine oil				●			●		●		●		●		●	
Trichlorethylene				●			●		●		●		●		●	
Sodium carbonate	20%	●		●		●		●		●		●		●		●
Aliphatic hydrocarbons		●		●		●		●		●		●		●		●
Aromatic hydrocarbons				●			●		●		●		●		●	
Alkali				●			●		●		●		●		●	

LIGHT FITTINGS FOR FLUORESCENT TUBES OF ENERGY CLASS A



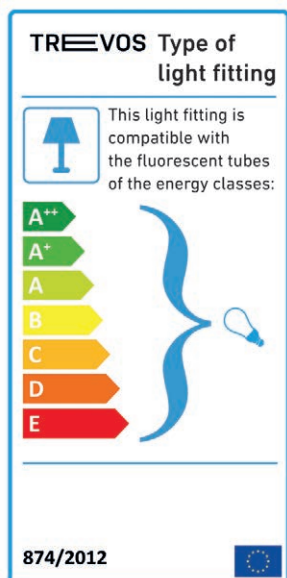
- | | |
|----------------|----------------|
| PRIMA T8 Ex | ST T5 |
| PRIMA T5 | ST OR T5 |
| PRIMA T8 | ST T8 |
| PRIMA T5 VP | ST R T8 |
| PRIMA T8 VP | |
| PRIMA T5 ABS | RPK T5 |
| PRIMA T8 ABS | RPK T8 |
| PRIMA T8 ta60 | MO T5 |
| PRIMA T5 TRS | MO T8 |
| PRIMA T8 TRS | MO AS T5 |
| PRIMA II T5 | MO AS T8 |
| PRIMA II T8 | |
| | LUXOR T5 |
| PERUN T5 | LUXOR T5 DI-IN |
| PERUN T8 | |
| | |
| ALUMAX T5 | |
| ALUMAX T8 | |
| ALUMAX T8 ta60 | |
| | |
| BELTR T8 | |
| BELTR T5 | |

LIGHT FITTINGS SOLD WITH FLUORESCENT TUBE OF ENERGY CLASS A



- SB T8
- HELIOS

LIGHT FITTINGS FOR LIGHT SOURCES OF MORE TYPES OF ENERGY CLASSES



- LINEA ROUND

APPROXIMATE VALUES OF LIGHT FITTING MAINTENANCE FACTOR (LMF)

IP65, IP66 light fittings – PRIMA, PERUN, ALUMAX, LINEA					
	Cleaning intervals in years				
Environment	1,0	1,5	2,0	2,5	3,0
Very clean	0,96	0,93	0,93	0,92	0,92
Clean	0,94	0,91	0,91	0,90	0,90
Common (optional)	0,90	0,88	0,86	0,85	0,84
Dirty (optional)	0,86	0,83	0,81	0,80	0,79

IP20, IP40 light fittings – BELTR, SB, ST, LUXOR					
	Cleaning intervals in years				
Environment	1,0	1,5	2,0	2,5	3,0
Very clean	0,94	0,93	0,91	0,9	0,89
Clean	0,88	0,85	0,83	0,81	0,79
Common (optional)	0,82	0,79	0,77	0,75	0,73
Dirty (optional)	0,77	0,73	0,71	0,68	0,65

The table includes only approximate values that may not match the maintenance values achievable for a specific device.

See also our

LED LUMINAIRES

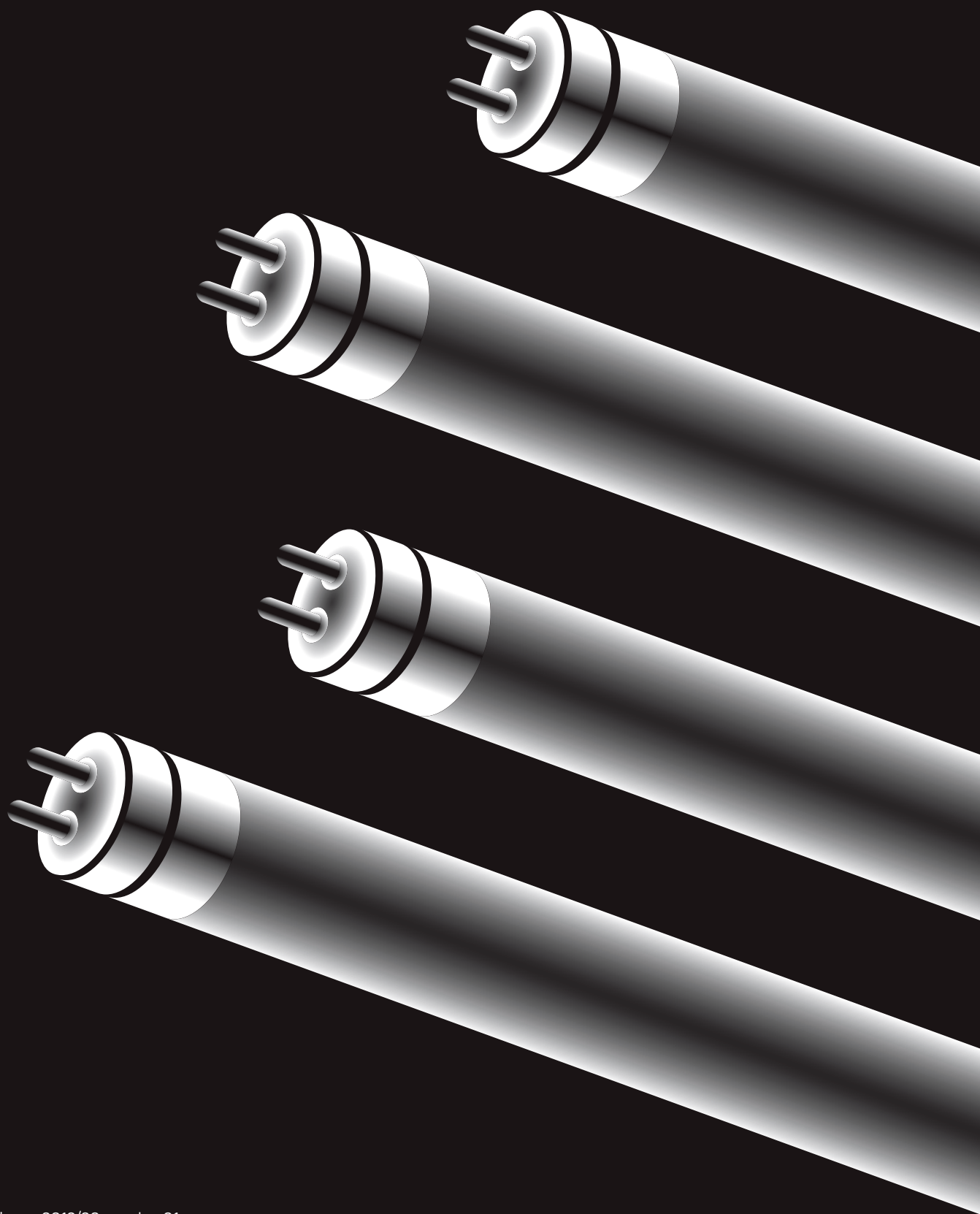
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