

W+W FixLED®IP65 Shaft lighting glare-reduced V2

General information

The LED shaft lighting is appropriate for the homogeneous illumination of the lift shaft. The LED band runs in one piece from the shaft ceiling to the pit, thereby avoiding horizontal shadows which are usually generated by the distance between the lamps.



Mounting example:
Goods lift, load capacity 1.6 t with a shaft surface of 6.4m²



W+W FixLED glare-reduced V2
Fixation of the LED band at the shaft wall

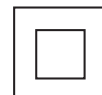


The coating of the W+W FixLED shaft lighting consists of self-extinguishing PVC. In the glare-reduced version, the PVC coating is designed so that the bright LED light is softened, thereby **reducing direct glare**. Additionally, the colour temperature of 4000K (neutral white) supports concentrated working in the shaft.

The LED band is delivered ready for connection with a 10m supply cable. The LED band is assembled in intervals of 1m. The longest piece possible is 100m.

The supply cable consists of a cable H05VV-F 2x1.5mm² (from 51m 3G1.5mm²) including an electronic ballast (rectifier, fuse and overvoltage protection). **This way the LED band can be protected with a maximum of 16A** (e.g. with a common fuse for pit socket and shaft lighting).

The offered plugs are required if the shaft lighting has to be plugged into a normal socket. This is the case e.g. for mounting new installations or for big modernisations. When mounting a lift, the shaft lighting is usually installed first. At the beginning of the mounting the lift control is not yet installed. The lighting can be plugged e.g. into a construction site power distributor (fuse protection up to max. 16A). After mounting the lift control, the plug can be cut off and the supply cable can be clamped to the corresponding terminals in the lift control.



Technical data

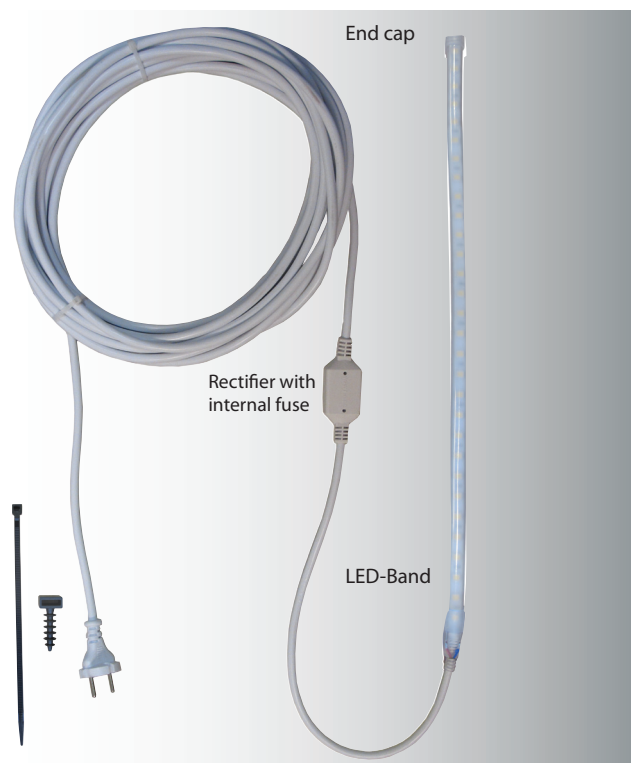
W+W FixLED Glare-reduced V2

Protection type:	IP65
Material coating:	PVC, self-extinguishing
Voltage:	220V-240V AC 50-60Hz
Power:	9W/m ±10%
Max. charge/string:	450W ±10% with 50m
Protection class:	II
Light colour:	4000K
Luminous flux:	600lumen
CRI (Ra):	83,6
Number of LED:	72 pieces/m
Angle of radiation:	120°
Supply cable 1-50m:	10m H05VV-F 2x1,5mm ² with plug
Supply cable 1-50m: (halogen-free)	10m (H)05Z1Z1-F 2x1,5mm ² with plug
Supply cable 51-100m:	10m H05VV-F 3G1,5mm ² with plug
Length LED band:	max. 100m
Ambient temperature:	-30°C bis +45°C
Dimensions PVC coating:	14 x 7,5mm
Weight (without cable):	115g/m
Circuit breaker:	max. 16A , B-characteristics

W+W FixLED® IP65 Shaft lighting glare-reduced V2

General information

In general it is sufficient to choose the length of the shaft lighting next smaller than the shaft height.
If there are devices like for example the frequency converter in the shaft head or the pit, it is recommended to fasten the LED band also horizontally at the wall or the ceiling, in order to achieve a better illumination (e.g. shaft height + 2m).



Scope of delivery

LED band ready for connection with 10m supply cable and plug (plug type see table).
Length of the LED band according to the table.
Bag with small parts with cable ties, cable fixing dowels Ø 6mm and mounting instruction.

The plug can be cut off as needed.
In this case the supply line is connected to the terminal strip in the lift control.

Accessories

Art.no.	Description
020500	Extension cable 10m H05VV-F 3G1,5mm ²

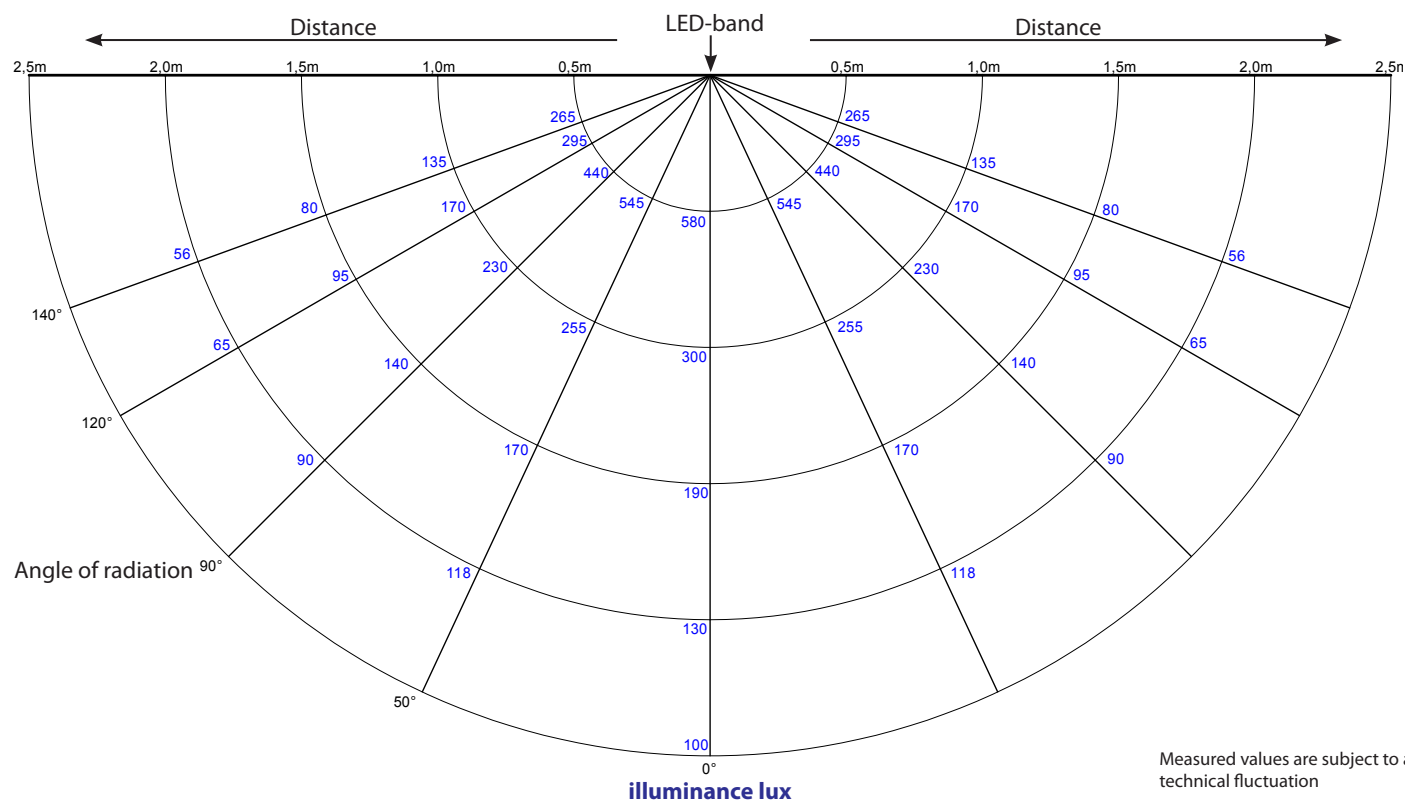
Norm extract from EN81-20 5.2.1.4.1:

The shaft shall be provided with a permanently installed electric lighting, giving the following intensity of illumination [...]:

- a) at least 50lx, 1.0 m above the car roof within it's vertical projection;
- b) at least 50lx, 1.0m above the pit floor everywhere a person can stand, work or [...] move;
- c) at least 20 lx outside the locations defined in a) and b), excluding shadows created by car or components.

Light distribution

The values of the light distribution were measured in the free space.
In the lift shaft, the values are increased by **up to 20%** due to the reflection of the shaft walls.



Measured values are subject to a technical fluctuation

W+W FixLED® IP65 Shaft lighting glare-reduced V2

article numbers 1-50m The delivery is made as a ring.

Description	plug CEE 7/17	plug GB BS 1363	plug T12 (CH)	halogen free*
W+W FixLED IP65 1m	021601	021701	021801	021901
W+W FixLED IP65 2m	021602	021702	021802	021902
W+W FixLED IP65 3m	021603	021703	021803	021903
W+W FixLED IP65 4m	021604	021704	021804	021904
W+W FixLED IP65 5m	021605	021705	021805	021905
W+W FixLED IP65 6m	021606	021706	021806	021906
W+W FixLED IP65 7m	021607	021707	021807	021907
W+W FixLED IP65 8m	021608	021708	021808	021908
W+W FixLED IP65 9m	021609	021709	021809	021909
W+W FixLED IP65 10m	021610	021710	021810	021910
W+W FixLED IP65 11m	021611	021711	021811	021911
W+W FixLED IP65 12m	021612	021712	021812	021912
W+W FixLED IP65 13m	021613	021713	021813	021913
W+W FixLED IP65 14m	021614	021714	021814	021914
W+W FixLED IP65 15m	021615	021715	021815	021915
W+W FixLED IP65 16m	021616	021716	021816	021916
W+W FixLED IP65 17m	021616	021717	021817	021917
W+W FixLED IP65 18m	021618	021718	021818	021918
W+W FixLED IP65 19m	021619	021719	021819	021919
W+W FixLED IP65 20m	021620	021720	021820	021920
W+W FixLED IP65 21m	021621	021721	021821	021921
W+W FixLED IP65 22m	021622	021722	021822	021922
W+W FixLED IP65 23m	021623	021723	021823	021923
W+W FixLED IP65 24m	021624	021724	021824	021924
W+W FixLED IP65 25m	021625	021725	021825	021925
W+W FixLED IP65 26m	021626	021726	021826	021926
W+W FixLED IP65 27m	021627	021727	021827	021927
W+W FixLED IP65 28m	021628	021728	021828	021928
W+W FixLED IP65 29m	021629	021729	021829	021929
W+W FixLED IP65 30m	021630	021730	021830	021930
W+W FixLED IP65 31m	021631	021731	021831	021931
W+W FixLED IP65 32m	021632	021732	021832	021932
W+W FixLED IP65 33m	021633	021733	021833	021933
W+W FixLED IP65 34m	021634	021734	021834	021934
W+W FixLED IP65 35m	021635	021735	021835	021935
W+W FixLED IP65 36m	021636	021736	021836	021936
W+W FixLED IP65 37m	021637	021737	021837	021937
W+W FixLED IP65 38m	021638	021738	021838	021938
W+W FixLED IP65 39m	021639	021739	021839	021939
W+W FixLED IP65 40m	021640	021740	021840	021940
W+W FixLED IP65 41m	021641	021741	021841	021941
W+W FixLED IP65 42m	021642	021742	021842	021942
W+W FixLED IP65 43m	021643	021743	021843	021943
W+W FixLED IP65 44m	021644	021744	021844	021944
W+W FixLED IP65 45m	021645	021745	021845	021945
W+W FixLED IP65 46m	021646	021746	021846	021946
W+W FixLED IP65 47m	021647	021747	021847	021947
W+W FixLED IP65 48m	021648	021748	021848	021948
W+W FixLED IP65 49m	021649	021749	021849	021949
W+W FixLED IP65 50m	021650	021750	021850	021950

*Supply lines halogen-free.
plug CEE 7/17

Other plugs on demand.

W+W FixLED® IP65 Shaft lighting glare-reduced V2

article numbers 51-100m Delivery on one-way drum

Description	plug CEE 7/7	plug GB BS 1363	plug T12 (CH)
W+W FixLED IP65 51m	021651	021751	021851
W+W FixLED IP65 52m	021652	021752	021852
W+W FixLED IP65 53m	021653	021753	021853
W+W FixLED IP65 54m	021654	021754	021854
W+W FixLED IP65 55m	021655	021755	021855
W+W FixLED IP65 56m	021656	021756	021856
W+W FixLED IP65 57m	021657	021757	021857
W+W FixLED IP65 58m	021658	021758	021858
W+W FixLED IP65 59m	021659	021759	021859
W+W FixLED IP65 60m	021660	021760	021860
W+W FixLED IP65 61m	021661	021761	021861
W+W FixLED IP65 62m	021662	021762	021862
W+W FixLED IP65 63m	021663	021763	021863
W+W FixLED IP65 64m	021664	021764	021864
W+W FixLED IP65 65m	021665	021765	021865
W+W FixLED IP65 66m	021666	021766	021866
W+W FixLED IP65 67m	021666	021767	021867
W+W FixLED IP65 68m	021668	021768	021868
W+W FixLED IP65 69m	021669	021769	021869
W+W FixLED IP65 70m	021670	021770	021870
W+W FixLED IP65 71m	021671	021771	021871
W+W FixLED IP65 72m	021672	021772	021872
W+W FixLED IP65 73m	021673	021773	021873
W+W FixLED IP65 74m	021674	021774	021874
W+W FixLED IP65 75m	021675	021775	021875
W+W FixLED IP65 76m	021676	021776	021876
W+W FixLED IP65 77m	021677	021777	021877
W+W FixLED IP65 78m	021678	021778	021878
W+W FixLED IP65 79m	021679	021779	021879
W+W FixLED IP65 80m	021680	021780	021880
W+W FixLED IP65 81m	021681	021781	021881
W+W FixLED IP65 82m	021682	021782	021882
W+W FixLED IP65 83m	021683	021783	021883
W+W FixLED IP65 84m	021684	021784	021884
W+W FixLED IP65 85m	021685	021785	021885
W+W FixLED IP65 86m	021686	021786	021886
W+W FixLED IP65 87m	021687	021787	021887
W+W FixLED IP65 88m	021688	021788	021888
W+W FixLED IP65 89m	021689	021789	021889
W+W FixLED IP65 90m	021690	021790	021890
W+W FixLED IP65 91m	021691	021791	021891
W+W FixLED IP65 92m	021692	021792	021892
W+W FixLED IP65 93m	021693	021793	021893
W+W FixLED IP65 94m	021694	021794	021894
W+W FixLED IP65 95m	021695	021795	021895
W+W FixLED IP65 96m	021696	021796	021896
W+W FixLED IP65 97m	021697	021797	021897
W+W FixLED IP65 98m	021698	021798	021898
W+W FixLED IP65 99m	021699	021799	021899
W+W FixLED IP65 100m	021551	021552	021553

Other plugs on demand.