



# Fortimo LED Line systems: surpassing fluorescent energy efficiency at lowest cost

## Fortimo LED line system

Fortimo LED Line systems are the replacement for fluorescent lighting. These systems are characterized by high energy efficiency levels, surpassing T5 systems, at the lowest possible cost. They also offer high quality white light in terms of colour rendition and colour consistency delivering a truly future proof solution. This Fortimo LED Line range consists of linear, white light LED Boards and Xitanium linear drivers. They are intended for luminaire manufacturers who want to replace linear fluorescent as the light source in many different types of luminaires for general lighting. The portfolio consists of 2 main ranges which have been differentiated by the number of rows of LEDs contained on the board. The associated linear Xitanium driver portfolio includes isolated and non isolated drivers, in fixed light output, 1-10V and DALI versions.

### Benefits

- The perfect LED system enabling minimum Total Cost of Ownership for luminaire designs
- Scalable LED modules enabling a wide variety of applications in general lighting.
- System with driver approach delivers optimized performance

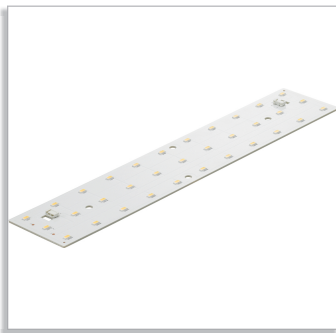
### Features

- High energy efficiency: between 110 and 124 lm/W
- Scalable module concept, to balance between optimal diffuse light, glare control or cost design
- System solution for fixed output, 1-10 V and DALI
- Future proof: benefit from technology upgrades without additional effort
- Product reliability and 5 years system guarantee

### Application

- Open plan offices, meeting rooms, reception areas and corridors
- Public spaces and general retail applications
- Industrial areas

### Related products



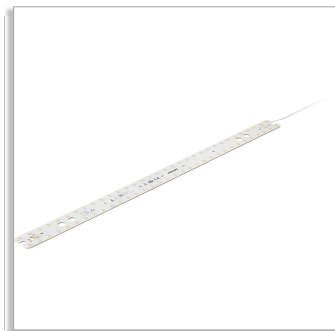
Fortimo LED Line 1ft 650lm, 1100lm 3R HV1, 3R LV1



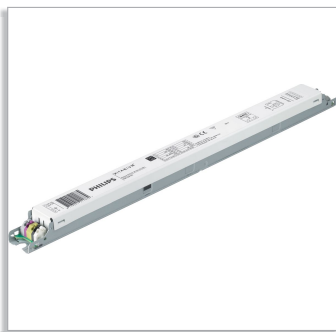
Fortimo LED Line 1ft 1100lm 1R LV1



Fortimo LED Line 2ft 2200lm 1R HV1

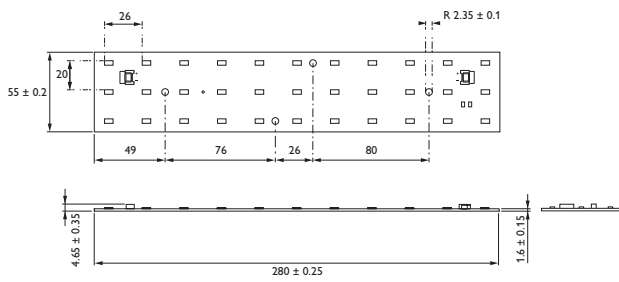


Fortimo LED Line 2ft 1250lm



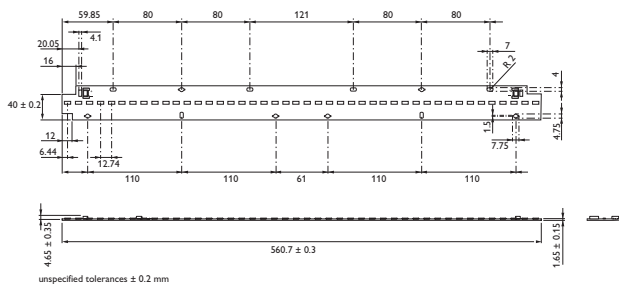
Xitanium linear office driver 75W 0.7-2A 54V

Dimensional drawing



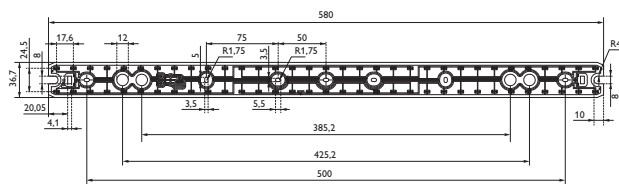
unspecified tolerances ± 0.2 mm

Fortimo LED Line 1ft 650lm 830 3R HV1

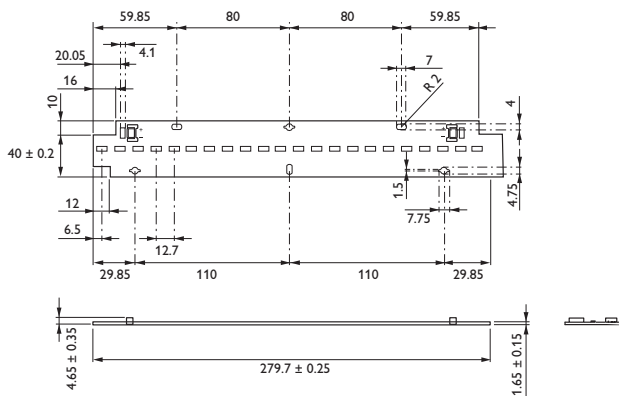


unspecified tolerances ± 0.2 mm

Fortimo LED Line 2ft 2200lm 830 1R HV1



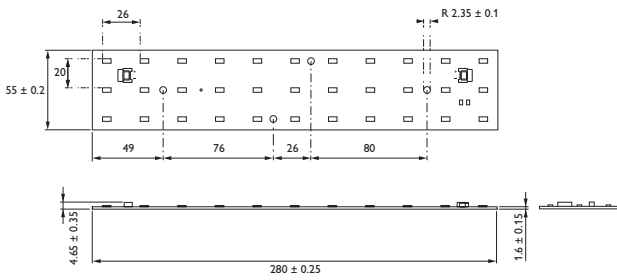
Fortimo LED Line 2ft 1250lm 830 2R HV1



unspecified tolerances ± 0.2 mm

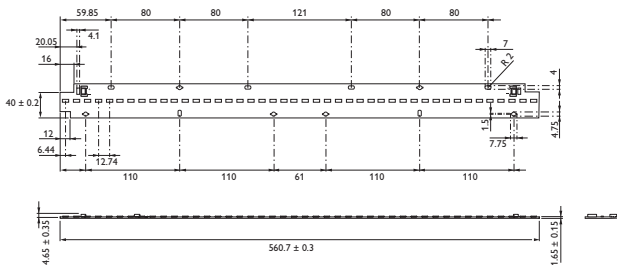
Fortimo LED Line 1ft 1100lm 830 1R LV1

Dimensional drawing



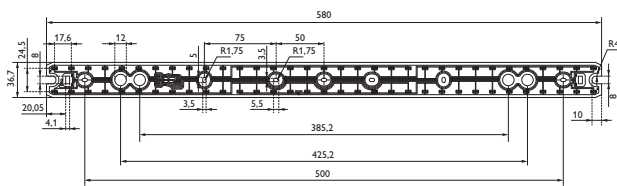
unspecified tolerances ± 0.2 mm

Fortimo LED Line 1ft 650lm 830 3R HV1

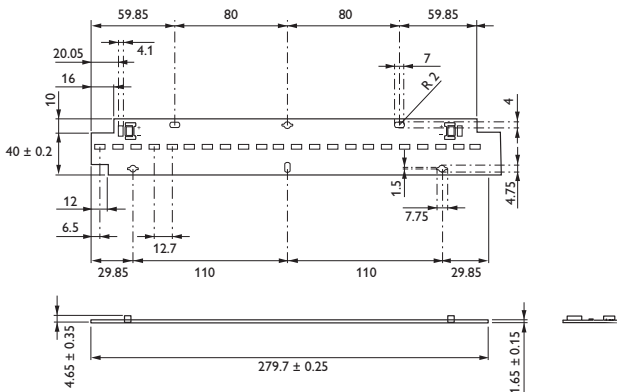


unspecified tolerances ± 0.2 mm

Fortimo LED Line 2ft 2200lm 830 1R HV1

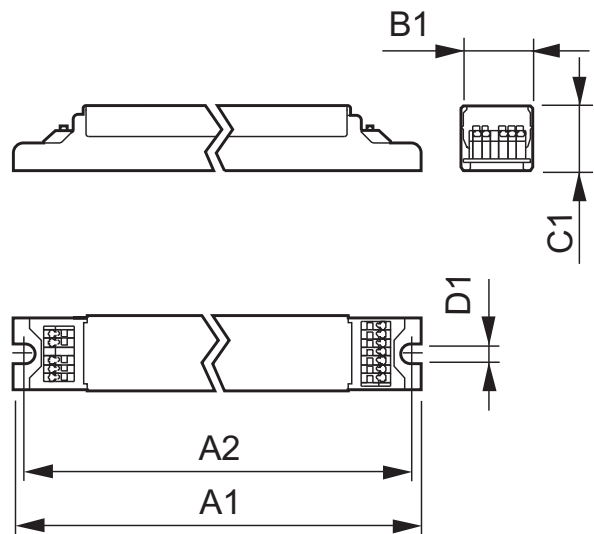


Fortimo LED Line 2ft 1250lm 830 2R HV1



unspecified tolerances ± 0.2 mm

Fortimo LED Line 1ft 1100lm 830 1R LV1



Xitanium 75W 0.7-2A 54V TD 230V

Product	A1 (Norm)	A2 (Norm)	A3 (Norm)	A4 (Norm)	B1 (Norm)	B2 (Norm)
Xitanium 75W 0.7-2A 54V TD 230V	424	415	-	-	30	-

General Characteristics

Order code	Full product name	Operating Position
929000680103	Fortimo LED Line 1ft 650lm 830 3R HV1	-
929000680203	Fortimo LED Line 1ft 650lm 835 3R HV1	-
929000680303	Fortimo LED Line 1ft 650lm 840 3R HV1	-
929000680403	Fortimo LED Line 1ft 650lm 850 3R HV1	-
929000680503	Fortimo LED Line 1ft 1100lm 830 3R HV1	-

Order code	Full product name	Operating Position
929000680603	Fortimo LED Line 1ft 1100lm 835 3R HV1	-
929000680703	Fortimo LED Line 1ft 1100lm 840 3R HV1	-
929000680803	Fortimo LED Line 1ft 1100lm 850 3R HV1	-
929000680903	Fortimo LED Line 1ft 650lm 830 3R LV1	-
929000681003	Fortimo LED Line 1ft 650lm 835 3R LV1	-

Order code	Full product name	Operating Position
929000681103	Fortimo LED Line 1ft 650lm 840 3R LV1	-
929000681203	Fortimo LED Line 1ft 650lm 850 3R LV1	-
929000691503	Fortimo LED Line 1ft 1100lm 830 1R LV1	-
929000691603	Fortimo LED Line 1ft 1100lm 835 1R LV1	-
929000691703	Fortimo LED Line 1ft 1100lm 840 1R LV1	-
929000691803	Fortimo LED Line 1ft 1100lm 850 1R LV1	-
929000691903	Fortimo LED Line 1ft 1100lm 765 1R LV1	-
929000690803	Fortimo LED Line 2ft 2200lm 830 1R HV1	-
929000690903	Fortimo LED Line 2ft 2200lm 835 1R HV1	-
929000691003	Fortimo LED Line 2ft 2200lm 840 1R HV1	-
929000691103	Fortimo LED Line 2ft 2200lm 850 1R HV1	-
929000691203	Fortimo LED Line 2ft 2200lm 765 1R HV1	-
929000691303	Fortimo LED Line 2ft 1250lm 830 2R HV1	-
929000691403	Fortimo LED Line 2ft 1250lm 840 2R HV1	-

## Light Technical Characteristics

Order code	Full product name	Color Code	Luminous Flux	Color rendering index
929000680103	Fortimo LED Line 1ft 650lm 830 3R HV1	830	560 (min), 610 (nom), 660 (max) Lm	>80
929000680203	Fortimo LED Line 1ft 650lm 835 3R HV1	835	590 (min), 640 (nom), 690 (max) Lm	>80
929000680303	Fortimo LED Line 1ft 650lm 840 3R HV1	840	600 (min), 650 (nom), 700 (max) Lm	>80
929000680403	Fortimo LED Line 1ft 650lm 850 3R HV1	850	620 (min), 670 (nom), 720 (max) Lm	>80
929000680503	Fortimo LED Line 1ft 1100lm 830 3R HV1	830	990 (min), 1070 (nom), 1150 (max) Lm	>80
929000680603	Fortimo LED Line 1ft 1100lm 835 3R HV1	835	1010 (min), 1090 (nom), 1170 (max) Lm	>80
929000680703	Fortimo LED Line 1ft 1100lm 840 3R HV1	840	1030 (min), 1110 (nom), 1190 (max) Lm	>80
929000680803	Fortimo LED Line 1ft 1100lm 850 3R HV1	850	1050 (min), 1130 (nom), 1210 (max) Lm	>80
929000680903	Fortimo LED Line 1ft 650lm 830 3R LV1	830	560 (min), 610 (nom), 660 (max) Lm	>80
929000681003	Fortimo LED Line 1ft 650lm 835 3R LV1	835	590 (min), 640 (nom), 690 (max) Lm	>80
929000681103	Fortimo LED Line 1ft 650lm 840 3R LV1	840	600 (min), 650 (nom), 700 (max) Lm	>80
929000681203	Fortimo LED Line 1ft 650lm 850 3R LV1	850	620 (min), 670 (nom), 720 (max) Lm	>80
929000691503	Fortimo LED Line 1ft 1100lm 830 1R LV1	830	1000 (min), 1080 (nom), 1160 (max) Lm	>80
929000691603	Fortimo LED Line 1ft 1100lm 835 1R LV1	835	1020 (min), 1100 (nom), 1180 (max) Lm	>80
929000691703	Fortimo LED Line 1ft 1100lm 840 1R LV1	840	1040 (min), 1120 (nom), 1200 (max) Lm	>80

Order code	Full product name	Color Code	Luminous Flux	Color rendering index
929000691803	Fortimo LED Line 1ft 1100lm 850 1R LV1	850	1060 (min), 1140 (nom), 1220 (max) Lm	>80
929000691903	Fortimo LED Line 1ft 1100lm 765 1R LV1	765	1040 (min), 1120 (nom), 1200 (max) Lm	>75
929000690803	Fortimo LED Line 2ft 2200lm 830 1R HV1	830	2000 (min), 2160 (nom), 2320 (max) Lm	>80
929000690903	Fortimo LED Line 2ft 2200lm 835 1R HV1	835	2040 (min), 2200 (nom), 2360 (max) Lm	>80
929000691003	Fortimo LED Line 2ft 2200lm 840 1R HV1	840	2070 (min), 2240 (nom), 2410 (max) Lm	>80
929000691103	Fortimo LED Line 2ft 2200lm 850 1R HV1	850	2110 (min), 2280 (nom), 2450 (max) Lm	>80
929000691203	Fortimo LED Line 2ft 2200lm 765 1R HV1	765	2070 (min), 2240 (nom), 2410 (max) Lm	>75
929000691303	Fortimo LED Line 2ft 1250lm 830 2R HV1	830	1075 (min), 1165 (nom), 1250 (max) Lm	>80
929000691403	Fortimo LED Line 2ft 1250lm 840 2R HV1	840	1050 (min), 1130 (nom), 1210 (max) Lm	>80

## Electrical Characteristics

Order code	Full product name	Dimmable
929000680103	Fortimo LED Line 1ft 650lm 830 3R HV1	Yes
929000680203	Fortimo LED Line 1ft 650lm 835 3R HV1	Yes
929000680303	Fortimo LED Line 1ft 650lm 840 3R HV1	Yes
929000680403	Fortimo LED Line 1ft 650lm 850 3R HV1	Yes
929000680503	Fortimo LED Line 1ft 1100lm 830 3R HV1	Yes
929000680603	Fortimo LED Line 1ft 1100lm 835 3R HV1	Yes
929000680703	Fortimo LED Line 1ft 1100lm 840 3R HV1	Yes
929000680803	Fortimo LED Line 1ft 1100lm 850 3R HV1	Yes
929000680903	Fortimo LED Line 1ft 650lm 830 3R LV1	Yes
929000681003	Fortimo LED Line 1ft 650lm 835 3R LV1	Yes
929000681103	Fortimo LED Line 1ft 650lm 840 3R LV1	Yes
929000681203	Fortimo LED Line 1ft 650lm 850 3R LV1	Yes
929000691503	Fortimo LED Line 1ft 1100lm 830 1R LV1	Yes
929000691603	Fortimo LED Line 1ft 1100lm 835 1R LV1	Yes
929000691703	Fortimo LED Line 1ft 1100lm 840 1R LV1	Yes
929000691803	Fortimo LED Line 1ft 1100lm 850 1R LV1	Yes
929000691903	Fortimo LED Line 1ft 1100lm 765 1R LV1	Yes
929000690803	Fortimo LED Line 2ft 2200lm 830 1R HV1	Yes
929000690903	Fortimo LED Line 2ft 2200lm 835 1R HV1	Yes
929000691003	Fortimo LED Line 2ft 2200lm 840 1R HV1	Yes
929000691103	Fortimo LED Line 2ft 2200lm 850 1R HV1	Yes

Order code	Full product name	Dimmable
929000691203	Fortimo LED Line 2ft 2200lm 765 1R HV1	Yes
929000692103	Xitanium 75W 0.7-2A 54V TD 230V	Yes

### Operating Characteristics

Order code	Full product name	Dimmable
929000680103	Fortimo LED Line 1ft 650lm 830 3R HV1	Yes
929000680203	Fortimo LED Line 1ft 650lm 835 3R HV1	Yes
929000680303	Fortimo LED Line 1ft 650lm 840 3R HV1	Yes
929000680403	Fortimo LED Line 1ft 650lm 850 3R HV1	Yes
929000680503	Fortimo LED Line 1ft 1100lm 830 3R HV1	Yes
929000680603	Fortimo LED Line 1ft 1100lm 835 3R HV1	Yes
929000680703	Fortimo LED Line 1ft 1100lm 840 3R HV1	Yes
929000680803	Fortimo LED Line 1ft 1100lm 850 3R HV1	Yes
929000680903	Fortimo LED Line 1ft 650lm 830 3R LV1	Yes

Order code	Full product name	Dimmable
929000681003	Fortimo LED Line 1ft 650lm 835 3R LV1	Yes
929000681103	Fortimo LED Line 1ft 650lm 840 3R LV1	Yes
929000681203	Fortimo LED Line 1ft 650lm 850 3R LV1	Yes
929000691503	Fortimo LED Line 1ft 1100lm 830 1R LV1	Yes
929000691603	Fortimo LED Line 1ft 1100lm 835 1R LV1	Yes
929000691703	Fortimo LED Line 1ft 1100lm 840 1R LV1	Yes
929000691803	Fortimo LED Line 1ft 1100lm 850 1R LV1	Yes
929000691903	Fortimo LED Line 1ft 1100lm 765 1R LV1	Yes
929000690803	Fortimo LED Line 2ft 2200lm 830 1R HV1	Yes
929000690903	Fortimo LED Line 2ft 2200lm 835 1R HV1	Yes
929000691003	Fortimo LED Line 2ft 2200lm 840 1R HV1	Yes
929000691103	Fortimo LED Line 2ft 2200lm 850 1R HV1	Yes
929000691203	Fortimo LED Line 2ft 2200lm 765 1R HV1	Yes
929000692103	Xitanium 75W 0.7-2A 54V TD 230V	Yes

### Wiring data



### Temperature Characteristics

Order code	Full product name	T-case maximum	T-case lifetime
929000680103	Fortimo LED Line 1ft 650lm 830 3R HV1	70 (max) C	56 (max) C
929000680203	Fortimo LED Line 1ft 650lm 835 3R HV1	70 (max) C	56 (max) C
929000680303	Fortimo LED Line 1ft 650lm 840 3R HV1	70 (max) C	56 (max) C
929000680403	Fortimo LED Line 1ft 650lm 850 3R HV1	70 (max) C	56 (max) C
929000680503	Fortimo LED Line 1ft 1100lm 830 3R HV1	70 (max) C	62 (max) C
929000680603	Fortimo LED Line 1ft 1100lm 835 3R HV1	70 (max) C	62 (max) C
929000680703	Fortimo LED Line 1ft 1100lm 840 3R HV1	70 (max) C	62 (max) C
929000680803	Fortimo LED Line 1ft 1100lm 850 3R HV1	70 (max) C	62 (max) C
929000680903	Fortimo LED Line 1ft 650lm 830 3R LV1	70 (max) C	56 (max) C
929000681003	Fortimo LED Line 1ft 650lm 835 3R LV1	70 (max) C	56 (max) C
929000681103	Fortimo LED Line 1ft 650lm 840 3R LV1	70 (max) C	56 (max) C
929000681203	Fortimo LED Line 1ft 650lm 850 3R LV1	70 (max) C	56 (max) C

Order code	Full product name	T-case maximum	T-case lifetime
929000691503	Fortimo LED Line 1ft 1100lm 830 1R LV1	70 (max) C	61 (max) C
929000691603	Fortimo LED Line 1ft 1100lm 835 1R LV1	70 (max) C	61 (max) C
929000691703	Fortimo LED Line 1ft 1100lm 840 1R LV1	70 (max) C	61 (max) C
929000691803	Fortimo LED Line 1ft 1100lm 850 1R LV1	70 (max) C	61 (max) C
929000691903	Fortimo LED Line 1ft 1100lm 765 1R LV1	70 (max) C	61 (max) C
929000690803	Fortimo LED Line 2ft 2200lm 830 1R HV1	70 (max) C	58 (max) C
929000690903	Fortimo LED Line 2ft 2200lm 835 1R HV1	70 (max) C	58 (max) C
929000691003	Fortimo LED Line 2ft 2200lm 840 1R HV1	70 (max) C	58 (max) C
929000691103	Fortimo LED Line 2ft 2200lm 850 1R HV1	70 (max) C	58 (max) C
929000691203	Fortimo LED Line 2ft 2200lm 765 1R HV1	70 (max) C	58 (max) C
929000692103	Xitanium 75W 0.7-2A 54V TD 230V	75 (max) C	-



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2012, November 10  
data subject to change