

**PHILIPS**

**Fortimo**

**LED**

Fortimo LEDFlex  
1500lm/m 9xx G1



Datasheet

# Fortimo LEDFlex system

## Key features and benefits

- Ideal for built-in applications on aluminum extrusions and for various decorative lighting applications such as cove lighting, indoor facade accent lighting.
- Luminous flux range of 1000/1500/2000/2500 lm/m
- Colour temperature 2700/3000 Premium White/4000 Premium White/6500 K with 3 SDCM color consistency
- CRI 90
- Efficacy up to 128 lm/W
- Extremely narrow pitch distance enables outstanding uniformity with 140 leds per meter even with a short distance to the diffuser
- High design freedom by cut-options every 5 cm
- Self-adhesive 3M tape on the back for simple and reliable mounting on various surfaces
- PCB to PCB and wire to PCB connectors for toolless handling and connection
- Life-time of 50,000 hours
- Five year warranty

September 2021



indirect



instant



## Ordering data

Commercial product name	EOC	12NC	Box quantity
Fortimo LEDFlex 5m 1500lm/m 930PW C5 G1	8718699 661281 00	9290 014 89680	15
Fortimo LEDFlex 5m 1500lm/m 940PW C5 G1	8718699 661304 00	9290 014 89780	15
Fortimo LEDFlex 5m 1500lm/m 927 C5 G1	8718699 661328 00	9290 014 89880	15
Fortimo LEDFlex 5m 1500lm/m 965 C5 G1	8718699 661342 00	9290 014 89980	15
Fortimo LEDFlex 50m 1500lm/m 930PW C5 G1	8718699 661885 00	9290 014 92680	5
Fortimo LEDFlex 50m 1500lm/m 940PW C5 G1	8718699 661908 00	9290 014 92780	5

## Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
T <sub>c</sub> (case temperature at T <sub>c</sub> point)	65	75	85	°C

\* Nominal value at which typical performance is specified

\*\* Value at which life time is specified

\*\*\* Maximum value for safe operation, do not operate above this value

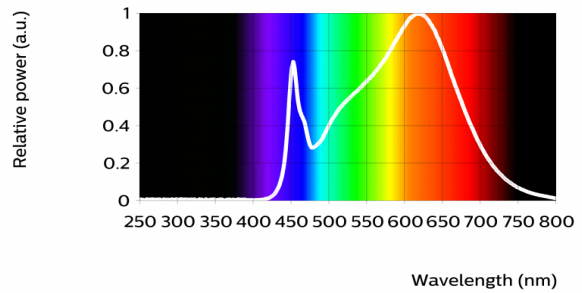
## Optical characteristics - table per color (CCT)

Fortimo LEDFlex 5m 1500lm/m 930PW C5 G1  
 Fortimo LEDFlex 50m 1500lm/m 930PW C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	1350	1500	1800	lm
Module efficacy		119		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.422, 0.386)		-
Color consistency			3	SDCM
CRI	90			
R9	50			
Photometric code		930/359		
Radiation angle		120		deg
Photobiological safety			RG1 unlimited	



R9 typical is 68.  
 Flux expressed per meter  
 Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5

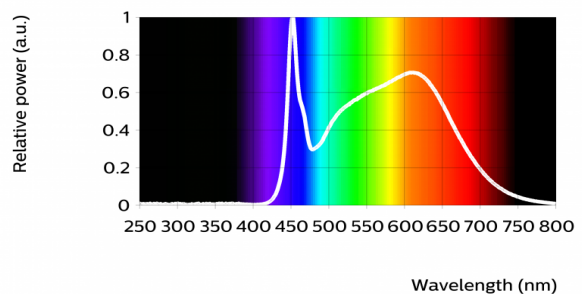


Fortimo LEDFlex 5m 1500lm/m 940PW C5 G1  
 Fortimo LEDFlex 50m 1500lm/m 940PW C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	1350	1500	1800	lm
Module efficacy		128		lm/W
Correlated color temperature (CCT)		4000		K
Color coordinates (CIEx, CIEy)		(0.374, 0.364)		-
Color consistency			3	SDCM
CRI	90			
R9	50			
Photometric code		940/359		
Radiation angle		120		deg
Photobiological safety			RG1 unlimited	



R9 typical is 68.  
 Flux expressed per meter  
 Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5



Fortimo LEDFlex 5m 1500lm/m 927 C5 G1

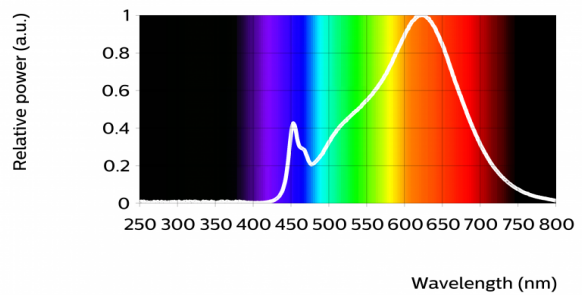
Parameter	Min	Typ	Max	Unit
Luminous flux	1350	1500	1800	lm
Module efficacy		114		lm/W
Correlated color temperature (CCT)		2700		K
Color coordinates (CIEx, CIEy)		(0.458, 0.410)		-
Color consistency			3	SDCM
CRI	90			
R9	50			
Photometric code		927/359		
Radiation angle		120		deg
Photobiological safety			RG1 unlimited	



R9 typical is 64.

Flux expressed per meter

Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5



Fortimo LEDFlex 5m 1500lm/m 965 C5 G1

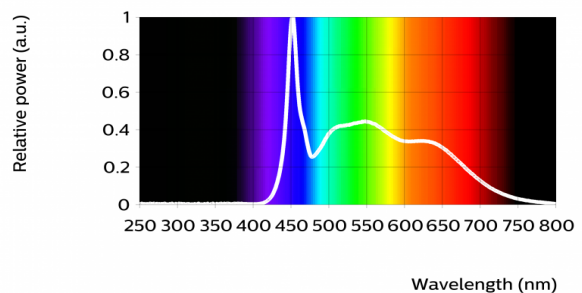
Parameter	Min	Typ	Max	Unit
Luminous flux	1350	1500	1800	lm
Module efficacy		128		lm/W
Correlated color temperature (CCT)		6500		K
Color coordinates (CIEx, CIEy)		(0.312, 0.328)		-
Color consistency			3	SDCM
CRI	90			
R9	50			
Photometric code		965/359		
Radiation angle		120		deg
Photobiological safety			RG1 unlimited	



R9 typical is 90.

Flux expressed per meter

Measurement precision for flux +/- 5%, for efficacy +/- 6%, for x, y +/- 0.005, for CRI +/- 1.5



## Electrical characteristics

### [Fortimo LEDFlex 5m 1500lm/m 930PW C5 G1](#) [Fortimo LEDFlex 50m 1500lm/m 930PW C5 G1](#)

Parameter	Min	Typ	Max	Unit
Forward voltage	22.8	24.0	25.2	V
Power consumption		12.6		W = kWh/1000h
Thermal power		7.2		W

Power expressed per meter. Measurement precision for power +/- 3.3%.

Maximum LEDFlex length is 9 meter, using 250mm cable at Tc nominal where luminous flux is above 90% of claimed.

For details see Design in Guide on [www.philips.com/oem](http://www.philips.com/oem).

### [Fortimo LEDFlex 5m 1500lm/m 940PW C5 G1](#) [Fortimo LEDFlex 50m 1500lm/m 940PW C5 G1](#)

Parameter	Min	Typ	Max	Unit
Forward voltage	22.8	24.0	25.2	V
Power consumption		11.8		W = kWh/1000h
Thermal power		6.6		W

Power expressed per meter. Measurement precision for power +/- 3.3%.

Maximum LEDFlex length is 9 meter, using 250mm cable at Tc nominal where luminous flux is above 90% of claimed.

For details see Design in Guide on [www.philips.com/oem](http://www.philips.com/oem).

### [Fortimo LEDFlex 5m 1500lm/m 927 C5 G1](#)

Parameter	Min	Typ	Max	Unit
Forward voltage	22.8	24.0	25.2	V
Power consumption		13.2		W = kWh/1000h
Thermal power		7.8		W

Power expressed per meter. Measurement precision for power +/- 3.3%.

Maximum LEDFlex length is 9 meter, using 250mm cable at Tc nominal where luminous flux is above 90% of claimed.

For details see Design in Guide on [www.philips.com/oem](http://www.philips.com/oem).

### [Fortimo LEDFlex 5m 1500lm/m 965 C5 G1](#)

Parameter	Min	Typ	Max	Unit
Forward voltage	22.8	24.0	25.2	V
Power consumption		11.8		W = kWh/1000h
Thermal power		6.2		W

Power expressed per meter. Measurement precision for power +/- 3.3%.

Maximum LEDFlex length is 9 meter, using 250mm cable at Tc nominal where luminous flux is above 90% of claimed.

For details see Design in Guide on [www.philips.com/oem](http://www.philips.com/oem).







© 2021 Signify Holding, IBRS 10461, 5600VB, NL. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

[www.philips.com/oem](http://www.philips.com/oem)

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.  
UK importer address: 3 Guildford Business Park, GU2 8XG

08/09/2021