



Fortimo

LED

Fortimo WP 1200mm
4200lm PSU



Datasheet

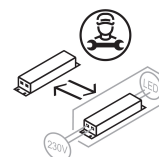
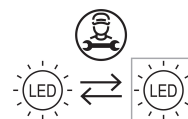
Fortimo Waterproof

The Fortimo Waterproof is a complete range of waterproof fixtures suitable for a variety of applications. The fixtures are available in different dimensions of 600mm, 1200mm and 1500mm with different lumen output versions. With its high energy efficiency and long lifetime this range meets all requirements of today's applications. Thanks to its efficient and slim design and a variety of accessories standardly integrated, the Fortimo Waterproof range is extremely easy to install and connect.

Key features and benefits

- Efficacy of 130 Lm/W at 4000K CRI80
- Lifetime: 50,000 hours
- Complete fixture including driver suitable for DC emergency
- Available in 3 CCT's: 3000K / 4000K / 6500K
- Available in 3 lengths: 600mm / 1200mm / 1500mm
- Available in 5 different light output levels: 2000lm, 3400lm, 4200lm, 6000lm, 8000lm
- PSU version: driver is included in the fixture
- ND version: driver and internal connector are excluded
- High light quality: CRI >80, color consistency: 3 SDCM
- Suitable for through-wiring
- Suitable for DC emergency applications
- Every single box includes: waterproof fixture, mounting clips, additional connector to enable through-wiring
- Housing of polycarbonate (PC), mounting clips from stainless steel

December 2021



Ordering data

Commercial product name	EOC	12NC	Box quantity
Fortimo WP 1200mm 4200lm 830 PSU	8710163 615967 00	9290 033 94206	6
Fortimo WP 1200mm 4200lm 840 PSU	8710163 615998 00	9290 033 94306	6
Fortimo WP 1200mm 4200lm 865 PSU	8710163 616025 00	9290 033 94406	6

Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
T _a (ambient temperature)	25	40	40	°C

* Nominal value at which typical performance is specified

** Value at which life time is specified

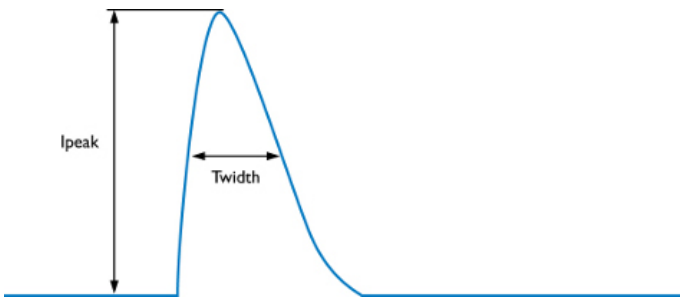
*** Maximum value for safe operation, do not operate above this value

Electrical input data

Specification item	Value	Unit	Condition
Input voltage	220...240	Vac	Performance range
Input frequency	50...60	Hz	Performance range
Rated input voltage	230	Vac	
Rated input power	31.1	W	@ full power @ rated input voltage
Power factor	> 0.9		@ full power @ rated input voltage
Cos φ	> 0.9		
Total harmonic distortion	< 20	%	@ full power @ rated input voltage
Input voltage AC	202...254	Vac	Operational range
Input frequency AC	47.5...63	Hz	Operational range
Input voltage DC	168...275	Vdc	Operational range

Inrush current

Specification item	Value	Unit	Condition
Inrush current I_{peak}	14.2	A	Input voltage 230V
Inrush current T_{width}	222	μ s	Input voltage 230V, measured at 50% I_{peak}
Drivers / MCB 16A type B	36	pcs	



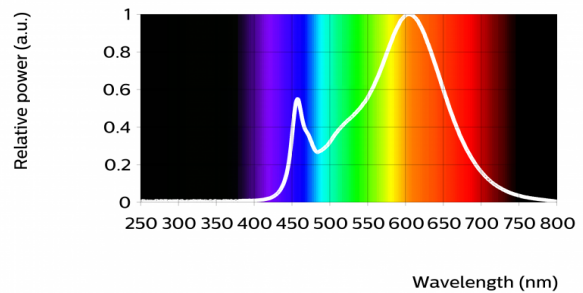
MCB	Rating	Relative number of LED systems
B	10A	63%
B	13A	81%
B	16A	100% (stated in datasheet)
B	20A	125%
B	25A	156%
C	10A	104%
C	13A	135%
C	16A	170%
C	20A	208%
C	25A	260%

Optical characteristics - table per color (CCT)

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Parameter	Min	Typ	Max	Unit
Luminous flux	3705	3900	4290	lm
Pst LM			0.1	
SVM			0.1	
Efficacy		125		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.441, 0.398)		-
Color consistency			3	SDCM
CRI	80			
Photometric code		830/369		
Photobiological safety			RG1 unlimited	

Measurement precision $\pm 5\%$ for the flux data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .

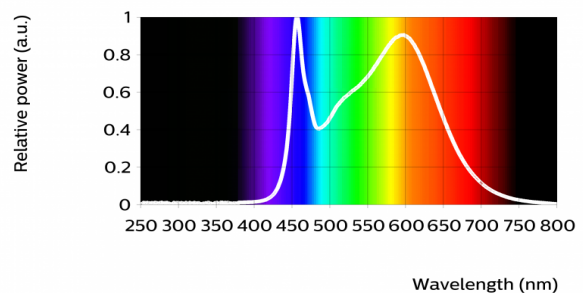


This product contains a light source of energy efficiency class D. EPREL model identifier: C0300202850D. Registration number: 1069567

Fortimo WP 1200mm 4200lm 840 PSU

Parameter	Min	Typ	Max	Unit
Luminous flux	3990	4200	4620	lm
Pst LM			0.1	
SVM			0.1	
Efficacy		135		lm/W
Correlated color temperature (CCT)		4000		K
Color coordinates (CIEx, CIEy)		(0.380, 0.375)		-
Color consistency			3	SDCM
CRI	80			
Photometric code		840/369		
Photobiological safety			RG1 unlimited	

Measurement precision $\pm 5\%$ for the flux data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .

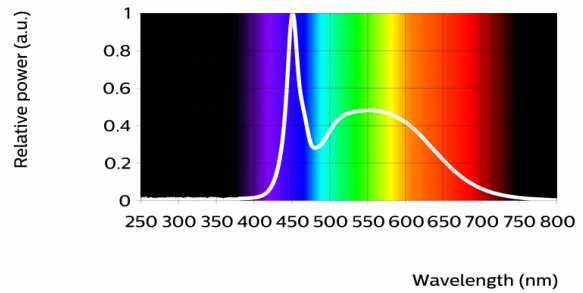


This product contains a light source of energy efficiency class D. EPREL model identifier: C0300202920D. Registration number: 1069575

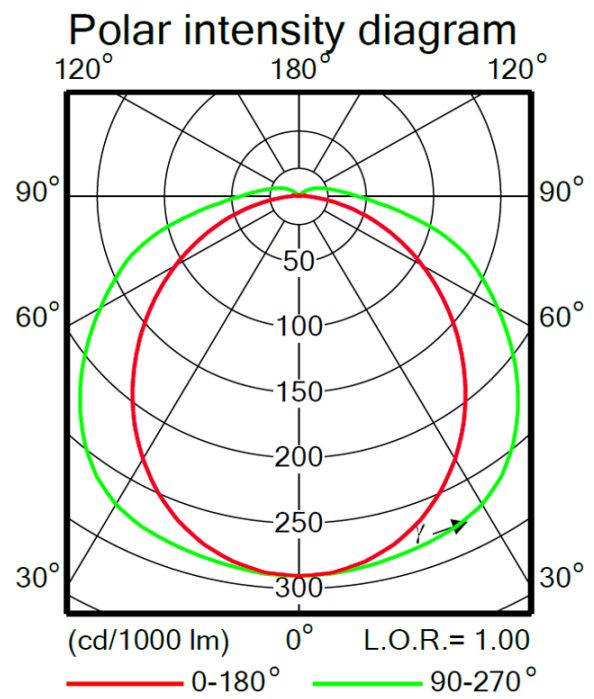
Fortimo WP 1200mm 4200lm 865 PSU

Parameter	Min	Typ	Max	Unit
Luminous flux	3990	4200	4620	lm
Pst LM			0.1	
SVM			0.1	
Efficacy		135		lm/W
Correlated color temperature (CCT)		6500		K
Color coordinates (CIEx, CIEy)		(0.315, 0.335)		-
Color consistency			3	SDCM
CRI	80			
Photometric code		865/369		
Photobiological safety			RG1 unlimited	

Measurement precision $\pm 5\%$ for the flux data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .



This product contains a light source of energy efficiency class D. EPREL model identifier: C0300202950D. Registration number: 1069572

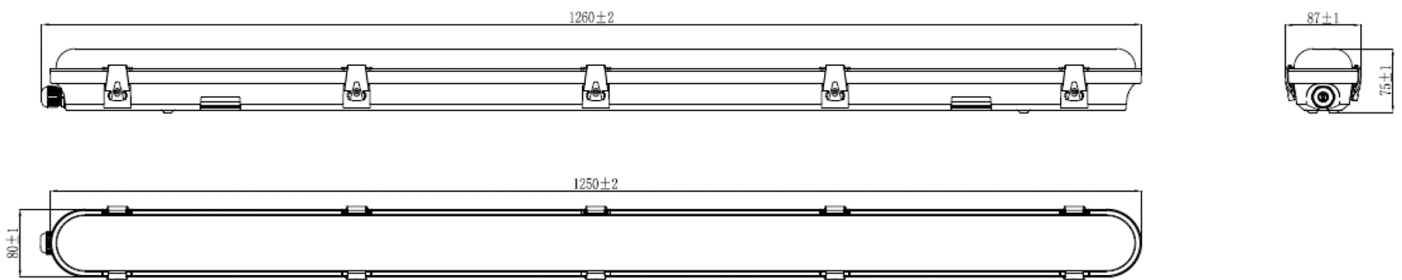


Lifetime

Parameter	Value	Unit
M70F50 nominal	>50000	hours

Mechanical characteristics

Parameter	Min	Typ	Max	Unit
Length	1258	1260	1262	mm
Width	86	87	88	mm
Height	74	75	76	mm
Product mass		1310		gram



Absolute ratings

Parameter	Min	Max	Unit
Case temperature (T_c -max)		85	°C
Ambient temperature	-20	40	°C
Storage temperature	-40	85	°C

Application information

Certificates and Standards

CB
CE
UKCA

Application

IP rating	IP65, IK08
Luminaire class	Class I
Dimming	No

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