

PHILIPS

CertaFlux

LED

CertaFlux LEDFlex 5m
300lm/m C5 G1



Datasheet

CertaFlux LEDFlex 5m 300lm/m C5 G1

The new CertaFlux LEDFlex Gen1 are dedicated designed for built-in applications for retail display lighting applications such as shelf lighting, and various decorative lighting applications such as cove lighting, ceiling integration, accent lighting. With mainstream flux level (300lm/m~ 2000lm/m) as well as various Color temperature, Tunable White and RGBW, the new CertaFlux LEDFlex family can meet different application requirements and maximum the design flexibility. Together with Philips constant voltage driver and easy to use accessories, we offer a reliable system to our OEM customers to unlock the full potential of stylish lighting designs.

Key features and benefits

- Extensive portfolio for different application
- Consistent quality of light of premium white performance
- Short cuttable length (5cm with single CCT) enables easily design
- Flux ranges covers 300lm/m 500lm/m 800lm/m 1000lm/m 1500lm/m 2000lm/m with efficacy up to 110lm/W
- High quality of light with 2400K 2700K 3000KPW 3500KPW 4000KPW and 6500K with CRI90
- PCB-PCB and PCB-wire connectors enable easily use
- System approach
- 30,000 hours lifetime

January 2022



Ordering data

Commercial product name	EOC	12NC	Box quantity
CertaFlux LEDFlex 5m 300lm/m 924 C5 G1	6922341 962042 00	9290 034 14780	10
CertaFlux LEDFlex 5m 300lm/m 927 C5 G1	6922341 962073 00	9290 034 14880	10
CertaFlux LEDFlex 5m 300lm/m 930 C5 G1	6922341 962103 00	9290 034 14980	10
CertaFlux LEDFlex 5m 300lm/m 935 C5 G1	6922341 962134 00	9290 034 15080	10
CertaFlux LEDFlex 5m 300lm/m 940 C5 G1	6922341 962165 00	9290 034 15180	10
CertaFlux LEDFlex 5m 300lm/m 965 C5 G1	6922341 962196 00	9290 034 15280	10

Module temperatures

Parameter	Nominal*	Life**	Max***	Unit
T _c (case temperature at T _c point)	45	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

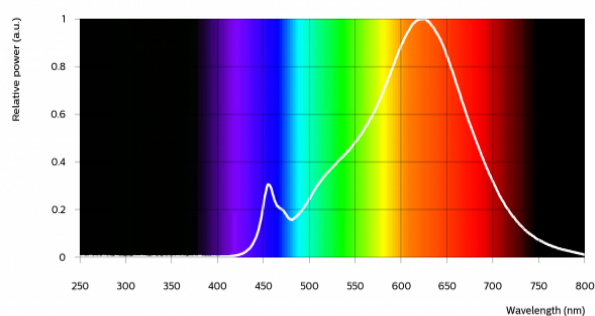
Optical characteristics - table per color (CCT)

CertaFlux LEDFlex 5m 300lm/m 924 C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	243	270		lm
Efficacy		90		lm/W
Correlated color temperature (CCT)		2400		K
Color coordinates (CIEx, CIEy)		(0.483, 0.415)		-
Color consistency			3	SDCM
CRI	90			
Photometric code		924/369		
Photobiological safety			RG1 unlimited	

Flux expressed per meter

Measurement precision $\pm 5\%$ for the flux data and $\pm 6\%$ for the efficacy data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .

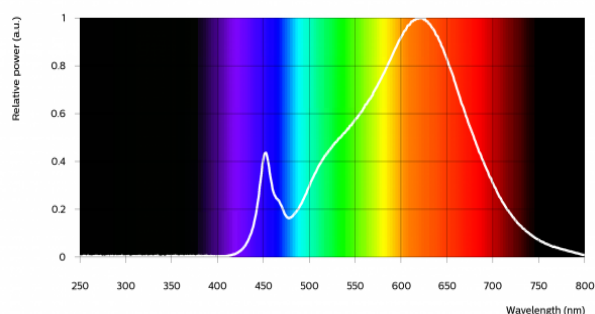


CertaFlux LEDFlex 5m 300lm/m 927 C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	256	285		lm
Efficacy		95		lm/W
Correlated color temperature (CCT)		2700		K
Color coordinates (CIEx, CIEy)		(0.457, 0.408)		-
Color consistency			3	SDCM
CRI	90			
Photometric code		927/369		
Photobiological safety			RG1 unlimited	

Flux expressed per meter

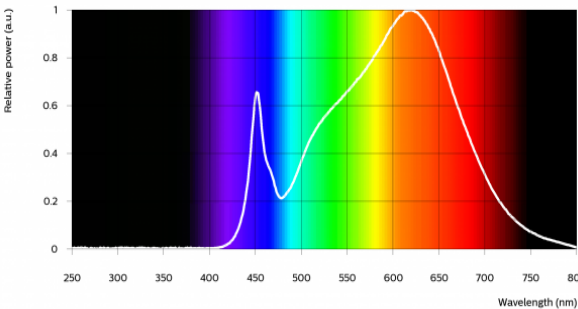
Measurement precision $\pm 5\%$ for the flux data and $\pm 6\%$ for the efficacy data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .



CertaFlux LEDFlex 5m 300lm/m 930 C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	256	285		lm
Efficacy		95		lm/W
Correlated color temperature (CCT)		3000		K
Color coordinates (CIEx, CIEy)		(0.433, 0.400)		-
Color consistency			3	SDCM
CRI	90			
Photometric code		930/369		
Photobiological safety			RG1 unlimited	

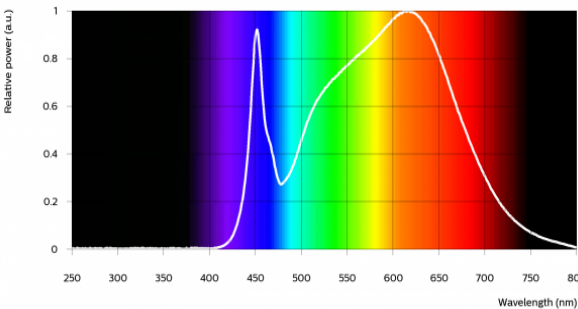
Flux expressed per meter
Measurement precision ± 5% for the flux data and ± 6% for the efficacy data. Measurement precision for color coordinates ± 0.005. Measurement precision for CRI ± 1.5.



CertaFlux LEDFlex 5m 300lm/m 935 C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	270	300		lm
Efficacy		100		lm/W
Correlated color temperature (CCT)		3500		K
Color coordinates (CIEx, CIEy)		(0.405, 0.387)		-
Color consistency			3	SDCM
CRI	90			
Photometric code		935/369		
Photobiological safety			RG1 unlimited	

Flux expressed per meter
Measurement precision ± 5% for the flux data and ± 6% for the efficacy data. Measurement precision for color coordinates ± 0.005. Measurement precision for CRI ± 1.5.

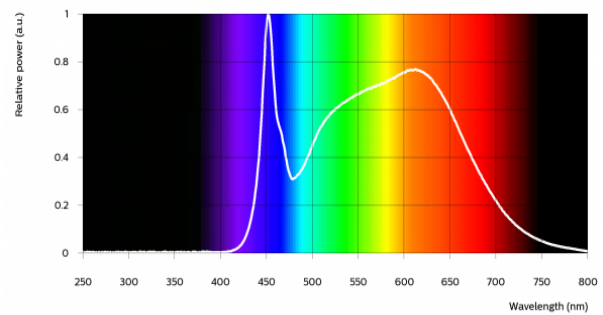


CertaFlux LEDFlex 5m 300lm/m 940 C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	270	300		lm
Efficacy		100		lm/W
Correlated color temperature (CCT)		4000		K
Color coordinates (CIEx, CIEy)		(0.379, 0.374)		-
Color consistency			3	SDCM
CRI	90			
Photometric code		940/369		
Photobiological safety			RG1 unlimited	

Flux expressed per meter

Measurement precision $\pm 5\%$ for the flux data and $\pm 6\%$ for the efficacy data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .

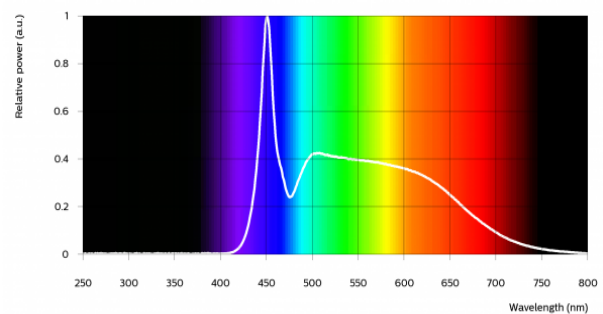


CertaFlux LEDFlex 5m 300lm/m 965 C5 G1

Parameter	Min	Typ	Max	Unit
Luminous flux	270	300		lm
Efficacy		100		lm/W
Correlated color temperature (CCT)		6500		K
Color coordinates (CIEx, CIEy)		(0.312, 0.329)		-
Color consistency			3	SDCM
CRI	90			
Photometric code		965/369		
Photobiological safety			RG1 unlimited	

Flux expressed per meter

Measurement precision $\pm 5\%$ for the flux data and $\pm 6\%$ for the efficacy data. Measurement precision for color coordinates ± 0.005 . Measurement precision for CRI ± 1.5 .



Electrical characteristics

Parameter	Min	Typ	Max	Unit
Forward voltage		24.0		V
Power consumption		3.00	3.30	W = kWh/1000h
Power expressed per meter. Measurement precision for power +/- 3.3%.				
Maximum LEDFlex length is 5 meter.				

Lifetime

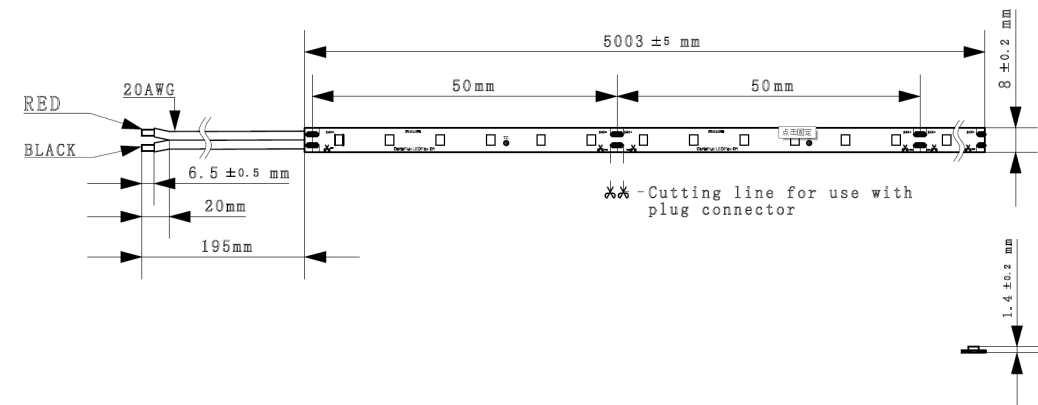
Parameter	Value	Unit
M70F50 life	>30000	hours

Wiring

Specification item	Value	Unit	Condition
Input wire cross-section	0.5...0.5	mm²	stranded
	20...20	AWG	stranded
Input wire strip length	6...7	mm	

Mechanical characteristics

Parameter	Min	Typ	Max	Unit
Length	4998	5003	5008	mm
Width	9.8	10	10.2	mm
Height	1.2	1.4	1.6	mm
Product mass		125		gram



Absolute ratings

Parameter	Min	Max	Unit
Case temperature (T _c -max)		85	°C
ESD (direct contact)	2		kV
ESD (air)	10		kV
Ambient temperature	-20	45	°C
Storage temperature	-20	85	°C

Application information

Certificates and Standards

CB/CQC
GB 24819
IEC/EN 62031
IEC/TR 62778

Environmental

RoHS/REACH

Application

IP rating	No IP-rating
Overheating protection	No protection
Luminaire class	IEC class I, II and III. SELV input only, constant voltage 24V.
Luminaire class ANSI	UL class 2
Dimming	Yes

Built-in applications only. Dimming by pulse width modulation.



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