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REGLETA ESTANCA PHILIPS CERTA



IK08



IP65

LED INTEGRADO

CCT

DISPONIBLE EN
60cm, 120cm y
150cm

INFORMACIÓN DEL PRODUCTO

La nueva luminaria LED PHILIPS CERTA DRIVE es una combinación excepcional de calidad y rendimiento. La gama de este panel se ha actualizado para alcanzar una eficacia mucho más alta, teniendo 160 lm/w y cubriendo un rango 2.800 a 7.000 lúmenes. Este estanca brinda una luz uniforme excepcional a cualquier espacio donde se requiera una luz confiable y eficiente.

APLICACIÓN

·Son livianas, lo que los hace fáciles de entregar, almacenar e instalar en diversas aplicaciones, incluidos parkings, hangares y espacios comerciales.

MONTAJE

Esta regleta estanca es bastante versátil.
·Kit de suspensión
·Superficie.

HOUSING

·Está fabricado en ABS y Macrolon 2807.
·Tiene una protección IK08.
·Se puede regular por **1-10V** (cambiándole el driver) y OPCIONAL por **Dali** añadiendo una pasarela Dali al driver regulable añadido.
·Rango de temperatura: -20°C ~ +55°C.

PHILIPS

CertaDrive

LED driver

MONTAJE ÓPTICO Y LED

- Un producto de alto rendimiento que ofrece una confiabilidad excepcional.
- Versión **disponible CCT** con un CRI de 85.
- Tiene un **ángulo de apertura de 150°**.
- Tiene una vida estimada de 100.000H.

ELÉCTRICA

- 220-265V / 50-60Hz
- Factor de potencia: 0.95
- Clase energética D



PHILIPS

REGLETA ESTANCA LED IP65 PHILIPS CERTA DRIVER

REFERENCIA: CRT60 / CRT120 / CRT150

Potencia nominal: 60cm (20W), 120cm (40w) y 150cm (55w).

Tensión Nominal: 170 - 265V

Temperatura de Luz: COLOR SELECCIONABLE: 3000K-4000K-6000K

CRI -Índice Reproducción Cromática: 85

Material de Construcción: ABS + Makrolon® 2807

Clase Energética: D

Luminosidad-Lm: 60cm (2.000Lm), 120cm (4.000Lm) y 150cm (5.500Lm)

Tipo de LEDs: SMD 2835

Angulo de Apertura (°): 150°

Eficacia Diodo LED (Lm/W): 120Lm/W

Eficacia luminosa (Lm/W): 100 Lm/W

Certificados: CE - RoHS - EMC - UL

Grado de IP: IP65-Exterior

Vida Estimada Diodo LED (H): 100.000

Factor de Potencia (PF): 0.9

Frecuencia de Trabajo (Hz): 50/60Hz Rango Temperatura (°C): -20°C ~ +55°C

Ciclos de Encendidos: 100.000

Tiempo de Arranque (s): 0,2s

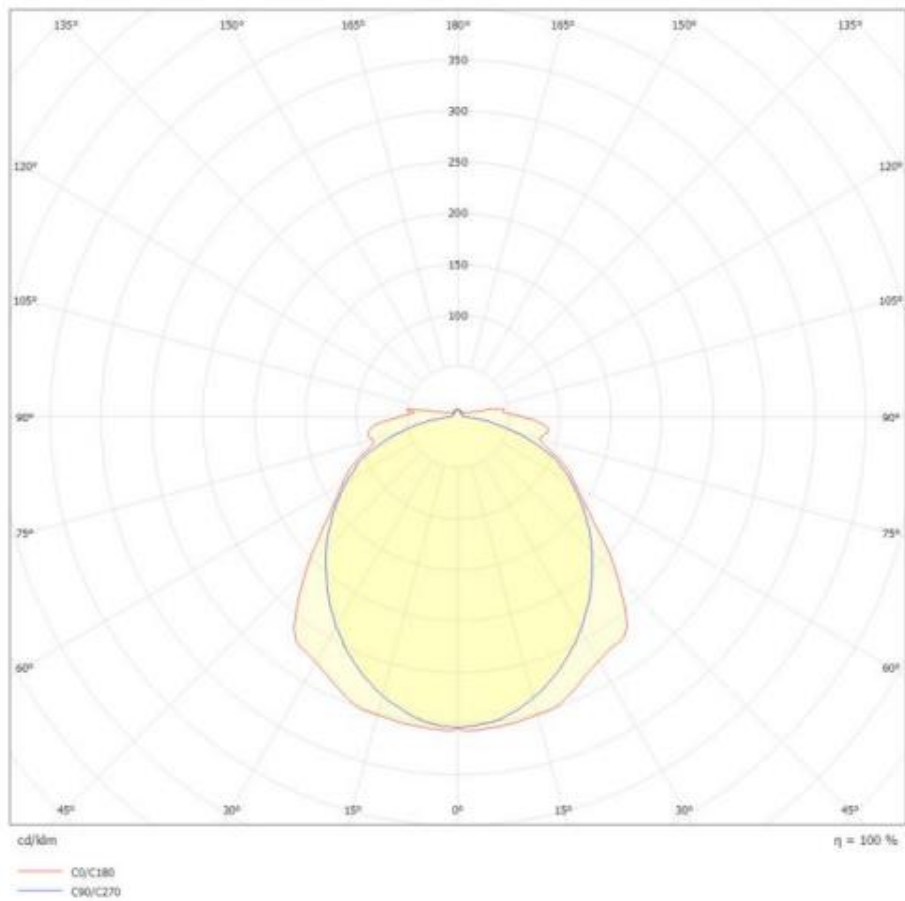
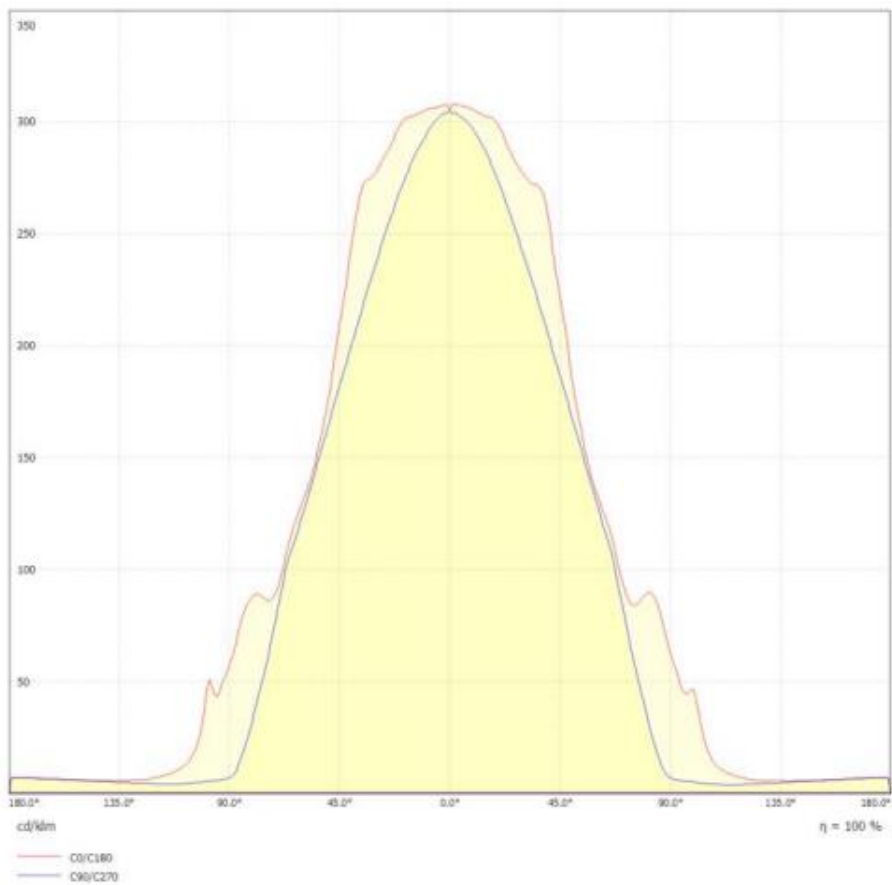
Información Adicional: CertaDrive Linear Isolated LED Drivers

Protección impacto (IK): IK08

Garantía años: 3



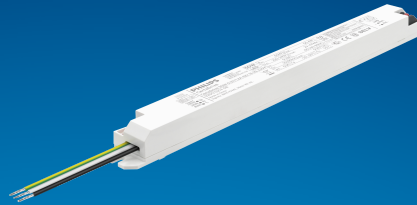
FICHA FOTOMÉTRICA





CertaDrive

LED driver



Datasheet

CertaDrive Linear Isolated LED Drivers Single Current

CertaDrive 50W 0.97/1.2A 42V 18 DS 230V

9290 021 46880

Single current LED drivers for essential lighting applications.

CertaDrive LED drivers are designed to fulfill the market need for essential lighting with reliable performance. The CertaDrive LED drivers offer basic specifications with specific current and voltage settings which are easy to use for high volume applications. The CertaDrive range is optimal to operate mid-power LEDs from different manufacturers.

Benefits

- Low profile LED-drivers enabling ample luminaire design freedom
- Easy to use
- Design optimized to meet essential lighting needs

Features

- SELV output for simpler approval process and easy design-in
- Specific current and voltage
- 50,000 hours life time
- All T5 form factors but various lengths
- Fast Time to Market

Application

- Recessed, surface and suspended luminaires in offices
- Waterproof luminaires

Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage range	220...240	V _{ac}	Performance range
Rated input voltage	230	V _{ac}	
Rated input frequency range	50...60	Hz	Performance range
Rated input current	0.33	A	@ rated output power @ rated input voltage
Rated input power	60	W	@ rated output power @ rated input voltage
Power factor	0.9		@ rated output power @ rated input voltage
Total harmonic distortion	20	%	@ rated output power @ rated input voltage
Efficiency	89	%	@ rated output power @ rated input voltage
Input voltage AC range	202...254	V _{ac}	Operational range
Input frequency AC range	47.5...63	Hz	Operational range
Isolation input to output	SELV		

Electrical output data

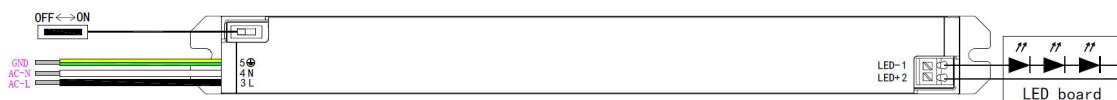
Specification item	Value	Unit	Condition
Regulation method	Constant Current		
Output voltage	23...42	V _{dc}	
Output voltage max.	60	V	Maximum output voltage (rms)
Output current	0.97/1.2	A	
Output current tolerance	± 8	%	
Output current ripple LF	≤ 30	%	Ripple = peak / average, < 3kHz, R _d ≥5.5Ω
Output current ripple HF	≤ 30	%	
Output power	22.3...50.4	W	

Electrical data controls input

Specification item	Value	Unit	Condition
Control method	Fixed		

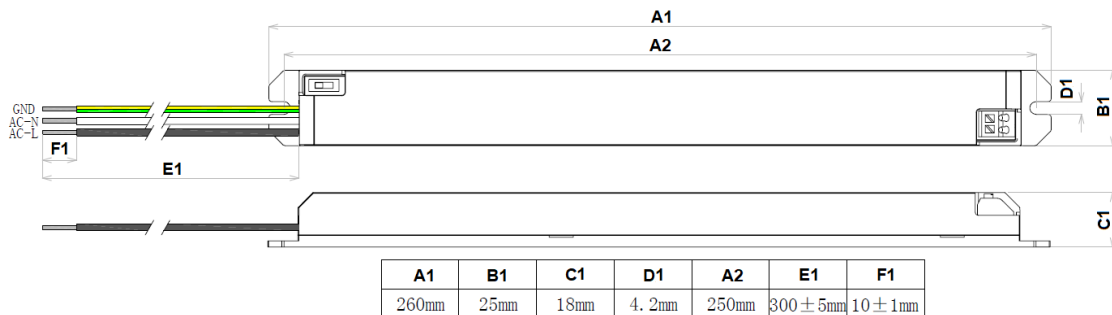
Wiring and Connections

Specification item	Value	Unit	Condition
Output wire cross-section	0.5...1.5	mm ²	WAGO250 (compatible), solid wire
	16...20	AWG	WAGO250 (compatible), solid wire
Output wire strip length	8...9	mm	
Maximum cable length	600	mm	Total length of wiring including LED module, one way



Dimensions and weight

Specification item	Value	Unit	Condition
Length (A1)	260	mm	
Width (B1)	25	mm	
Height (C1)	18	mm	
Fixing hole diameter (D1)	4.2	mm	
Fixing hole distance (A2)	250	mm	
Input cable length (E1)	300	mm	
Input cable wire length (F1)	10	mm	
Weight	93	gram	



Logistical data

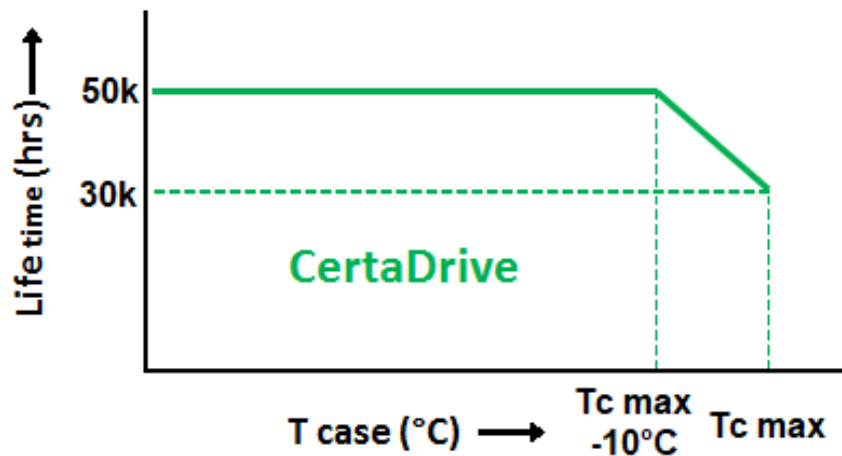
Specification item	Value
Product name	CertaDrive 50W 0.97/1.2A 42V 18 DS 230V
Logistic code 12NC	9290 021 46880
Pieces per box	42

Operational temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-20...+50	°C	Higher ambient temperature allowed as long as Tcase-max is not exceeded
Tcase-max	75	°C	Maximum temperature measured at T _{case} -point
Tcase-life	65	°C	Measured at T _{case} -point
Maximum housing temperature	130	°C	In case of a failure, inherent by design
Relative humidity	10...90	%	Non-condensing

Lifetime

Specification item	Value	Unit	Condition
Driver lifetime	50,000	hours	Measured temperature at Tcase-point is Tcase-life. Maximum failures = 10%



Storage temperature and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25...+85	°C	
Relative humidity	5...95	%	Non-condensing

Programmable features

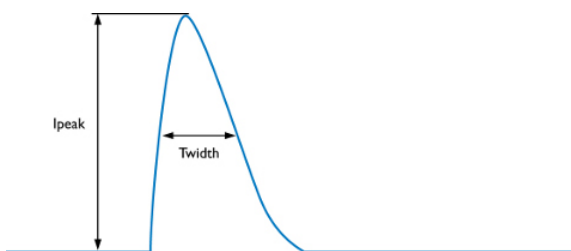
Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)		1200 mA	
LED Module Temperature Protection (MTP)	No		
Constant Lumen Over Lifetime (CLO)	No		
DC emergency dimming (DCemDim)	No		

Features

Specification item	Value	Remark	Condition
Open load protection	Yes		Automatic recovering
Short circuit protection	Yes		Automatic recovering
Over power protection	Yes		
Hot wiring	No		
Suitable for fixtures with protection class	I		per IEC60598

Inrush current

Specification item	Value	Unit	Condition
Inrush current I_{peak}	9.4	A	Input voltage 230V
Inrush current T_{width}	52	μs	Input voltage 230V, measured at 50% I_{peak}
Drivers / MCB 16A type B	≤ 41	pcs	Indicative value



MCB	Rating	Relative number of LED drivers
B	4A	25%
B	6A	40%
B	10A	63%
B	13A	81%
B	16A	100% (stated in datasheet)
B	20A	125%
B	25A	156%
B	32A	200%
B	40A	250%
C	4A	42%
C	6A	63%
C	10A	104%
C	13A	135%
C	16A	170%
C	20A	208%
C	25A	260%
C	32A	340%
C	40A	415%

Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Touch Current (ins. Class II)	0.7	mA peak	Acc. IEC61347-1. LED module contribution not included

Surge immunity

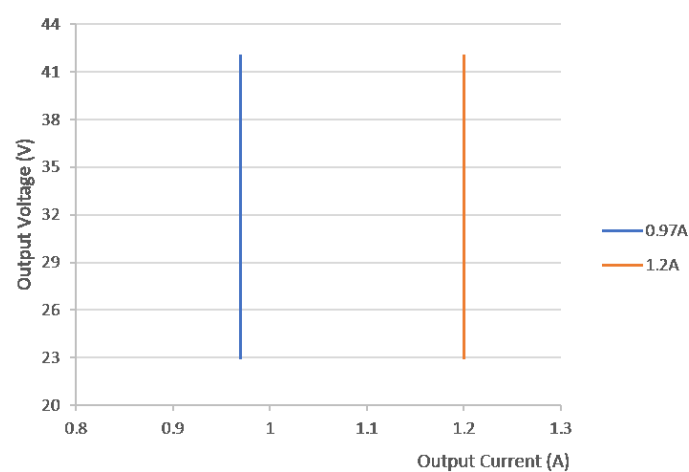
Specification item	Value	Unit	Condition
Mains surge immunity (diff. mode)	1	kV	Acc. IEC61000-4-5. 2 Ohm, 1.2/50us, 8/20us
Mains surge immunity (comm. mode)	2	kV	Acc. IEC61000-4-5. 12 Ohm 1.2/50us,8/20us

Application Info

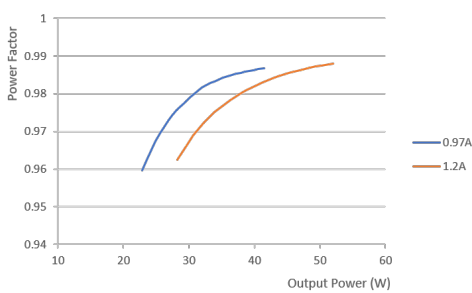
Specification item	Value
Approval marks	CB / CE / ENEC / KC / SELV
Ingress Protection classification (IP)	20

Graphs

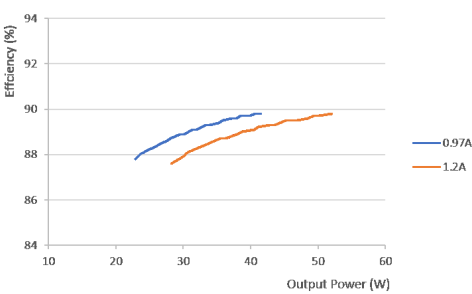
Operating window



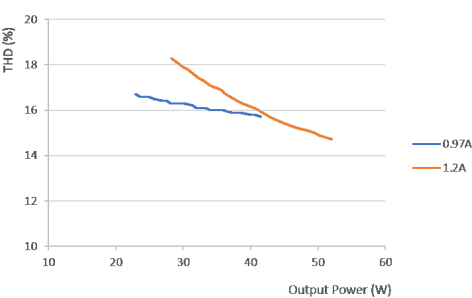
Power factor versus output power



Efficiency versus output power



THD versus output power





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