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CAMPANA ETNA PHILIPS XITANIUM



IK09



IP65

6 AÑOS GARANTIA

1-10V

DISPONIBLE EN
150W

INFORMACIÓN DEL PRODUCTO

La nueva luminaria LED PHILIPS XITANIUM es una combinación excepcional de calidad y rendimiento. La gama de esta campana se ha actualizado para alcanzar una eficacia mucho más alta, teniendo 200lm/w y teniendo cubierto un rango de 25.500 lúmenes. Esta campana se puede regular mediante los controladores 1-10V y opcional Dali. A demás de ser IP65. Esta campana es ideal para la sustitución de luminarias de Halogenuro, vapor de sodio, etc.

APLICACIÓN

- Esta campana se puede utilizar en distintas áreas; ya que al ser IP65 se puede colocar tanto en interior como en exterior.
- Naves industriales, centros logísticos, hangares.

MONTAJE

- Montaje con cable o soporte.

HOUSING

- Esta campana está fabricada en Aluminio y PMMA.
- Tiene una protección IK09.
- Es IP65.
- Se puede regular por 1-10V y OPCIONAL Dali, añadiendo una pasarela Dali.
- Rango de temperatura: -40°C ~ +55°C.

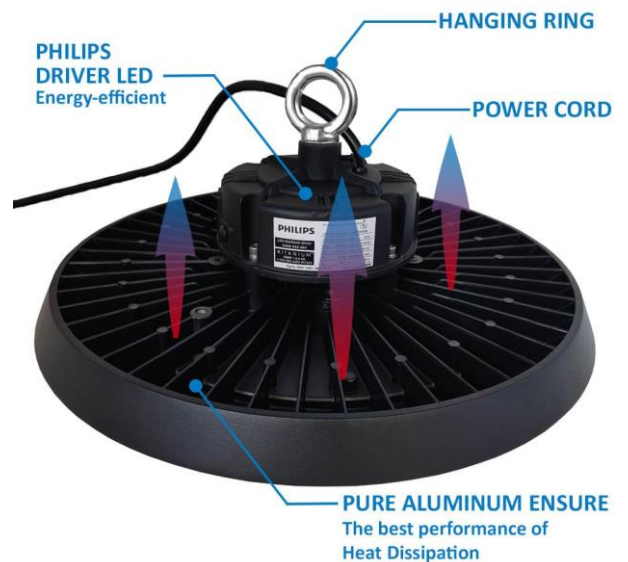


MONTAJE ÓPTICO Y LED

- Un producto de alto rendimiento, que ofrece una confiabilidad excepcional.
- Versión **disponible en 4000k y 6000k** con un CRI de 70.
- Tiene un **ángulo de apertura de 90°**.
- Tiene una vida estimada de 50.000H.

ELÉCTRICA

- 220-240V / 50-60Hz
- Factor de potencia: 0.99
- Clase energética C



CAMPANA INDUSTRIAL PHILIPS XITANIUM

REFERENCIA: NEW-HBPHL150W

Potencia nominal: 150w

Tensión Nominal: 220-240V

Temperatura de Luz: 4000K-6000K

CRI -Índice Reproducción Cromática: 70

Material de Construcción: Aluminio + PMMA

Luminosidad-Lm: 25.500Lm

Tipo de LEDs: SMD 3030

Ángulo de Apertura (º): 90°

Eficacia Diodo LED (Lm/W): 200Lm/W

Eficacia luminosa (Lm/W): 170Lm/W

Dimmable: 1-10V

Certificados: CE - ROHS

Grado de IP: IP65-Exterior

Vida Estimada Diodo LED (H): 50.000

Medidas (mm): Ø360xH145mm

Factor de Potencia (PF): 0.99

Frecuencia de Trabajo (Hz): 50/60Hz

Rango Temperatura (°C): -30°C ~ +45°C

Ciclos de Encendidos: 100.000

Tiempo de Arranque (s): 0,2s

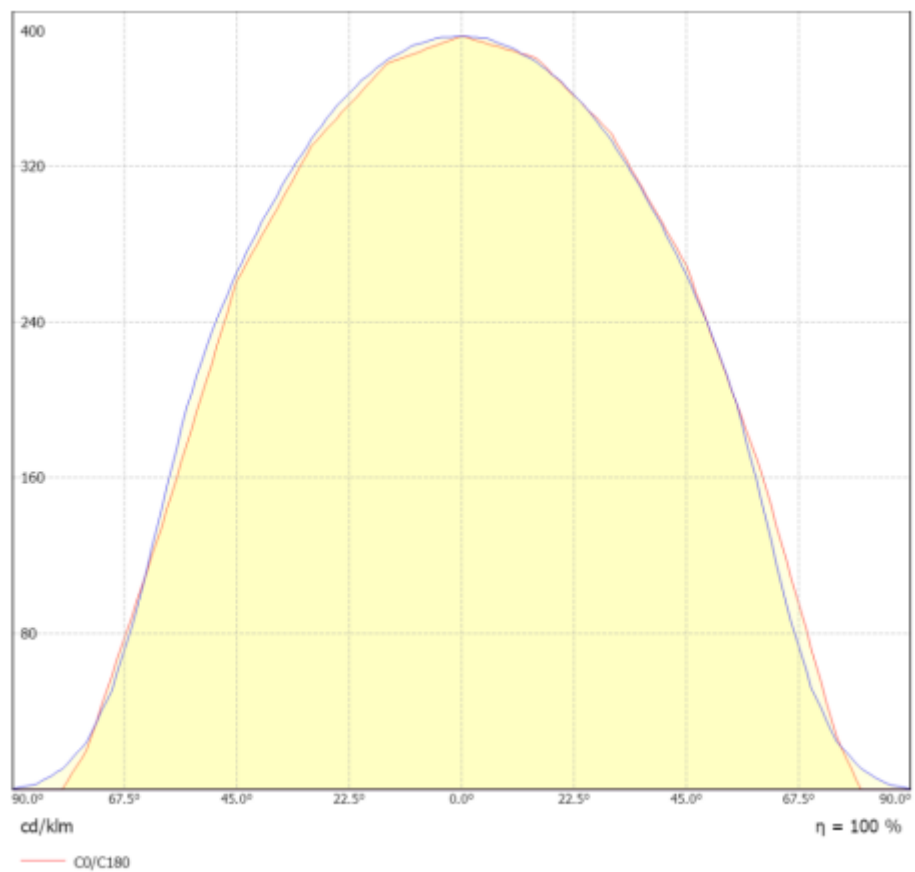
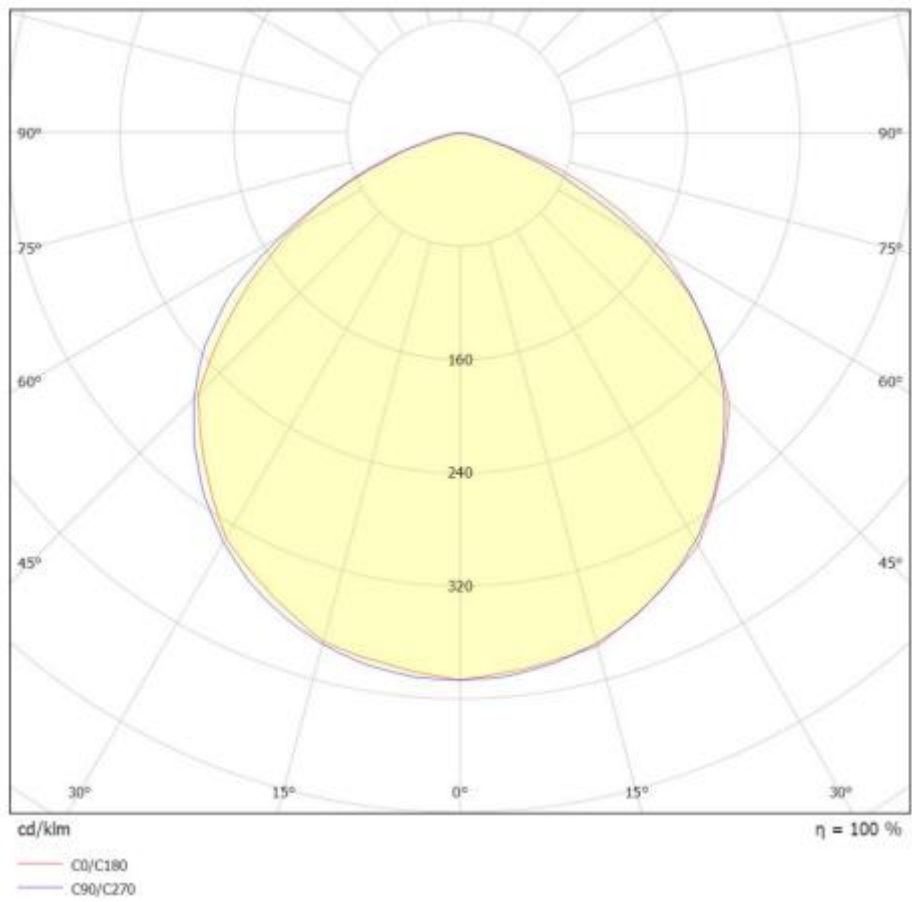
Protección impacto (IK): IK09

Driver incluido: DRIVER NO FLICK - SIN PARPADEO

Clase Energética: C

Garantía años: 6

FOTOMETRIAS



PHILIPS

Xitanium

LED driver



Datasheet

Xitanium High Bay LED Drivers GL Independent

Xi 200W 0.66-1.10A 1-10V GL AUX RI132S

9290 028 25780

LED-based light sources are an excellent solution for highbay industrial applications.

They are long-lasting and require low maintenance. However, to get the best out of the LEDs, these light sources require highly reliable and efficient LED Drivers. Philips Xitanium Dimmable (1-10V) LED Outdoor Drivers are specifically designed to deliver reliable performance and protection while meeting the strict approbation and application requirements.

Benefits

- Able to reliably operate anywhere around the world
- Reliable and robust design, capable of withstanding the harsh industrial operating conditions
- Wide flexibility by adjusting light output and output current
- Option to power a sensor or control via AUX power supply
- Extremely long lifetime, fitting with high bay industrial applications
- Peace of mind. Backed by a 5-year warranty from a company you can trust

Features

- 100-277V (Global) versions
- Independent/IP65 rated
- Adjustable output current
- Dimmable through 1-10V interface
- Auxiliary Power Supply (12V, 200mA)
- High ambient temperature rating
- Approbations: CE, ENEC, CB, CCC, UL
- 50,000 hours lifetime

Application

- Highbay industrial lighting
- Warehouse lighting
- Big-box retail store lighting

Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage range	100...277	V _{ac}	Performance range
Rated input voltage	230	V _{ac}	
Rated input frequency range	50...60	Hz	Performance range
Rated input current	0.91	A	@ rated output power @ rated input voltage
Rated input power	209	W	@ rated output power @ rated input voltage
Power factor	0.95		@ rated output power @ rated input voltage
Total harmonic distortion	10	%	@ rated output power @ rated input voltage
Efficiency	95.5	%	@ rated output power @ rated input voltage
Input voltage AC range	85...305	V _{ac}	Operational range
Input frequency AC range	47.5...63	Hz	Operational range

Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant Current		
Output voltage	160...260	V _{dc}	
Output voltage max.	300	V	Maximum output voltage (rms)
Output current	0.66...1.1	A	
Output current min dimming	66	mA	
Output current tolerance	± 5	%	
Output current ripple LF	≤ 5	%	Ripple = peak / average, < 3kHz
Output current ripple HF	≤ 5	%	
Output power	10.6...200	W	

Electrical data controls input

Specification item	Value	Unit	Condition
Control method	1-10V		Output current amplitude dimming, 1-10V acc. IEC60929
Dimming range	10...100	%	Default range
Isolation controls input to output	Reinforced		acc. IEC61347-1

Wiring and Connections

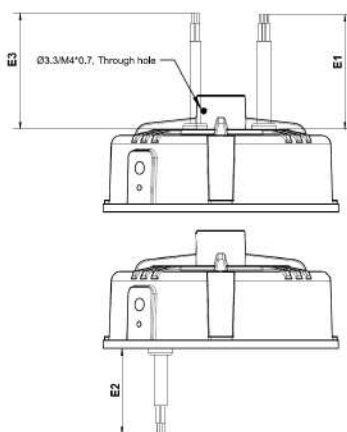
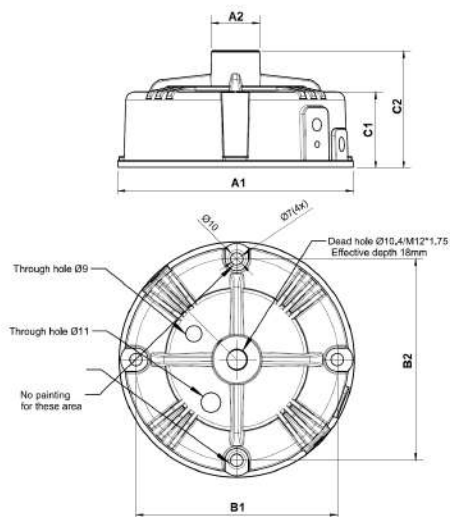
Specification item	Value	Unit	Type
Input wire cross-section	1.04 / 17	mm ² / AWG	3-wire cable, AWG17
Output wire cross-section	1.04 / 17	mm ² / AWG	2-wire cable, AWG17
Control wire cross-section	0.33 / 22	mm ² / AWG	3-wire cable, AWG22
Maximum cable length	2	m	Total length of wiring including LED module, one way

Insulation

Insulation per IEC61347-1	Mains	Output	Dim & AUX	Ground
Mains		Non	Reinforced	Basic
Output	Non		Reinforced	Basic
Dim & AUX	Reinforced	Reinforced		Basic
Ground	Basic	Basic	Basic	

Dimensions and weight

Specification item	Value	Unit	Tolerance (mm)
Length (A1)	132	mm	
Mounting hole distance (A2)	27	mm	
Width (B1)	113	mm	
Width (B2)	113	mm	
Height (C1)	43	mm	
Height (C2)	66	mm	
Input cable length (E1)	300	mm	
Output cable length (E2)	300	mm	
Control cable length (E3)	300	mm	
Weight	1030	gram	



Logistical data

Specification item	Value
Product name	Xi 200W 0.66-1.10A 1-10V GL AUX RI132S
Logistic code 12NC	9290 028 25780
Pieces per box	10

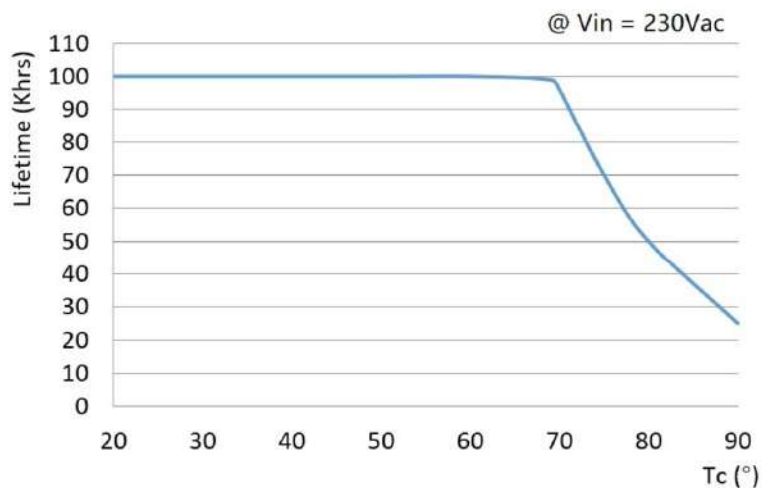
Operational temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-40...+60	°C	Higher ambient temperature allowed as long as Tcase-max is not exceeded
Tcase-max	80	°C	Maximum temperature measured at T _{case} -point
Tcase-life	70	°C	Measured at T _{case} -point
Maximum housing temperature	110	°C	In case of a failure, inherent by design
Relative humidity	10...90	%	Non-condensing

* Note: Tc max = 75°C, Tc life = 65°C @Vin<120Vac

Lifetime

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



Storage temperature and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-40...+85	°C	
Relative humidity	5...95	%	Non-condensing

Programmable features

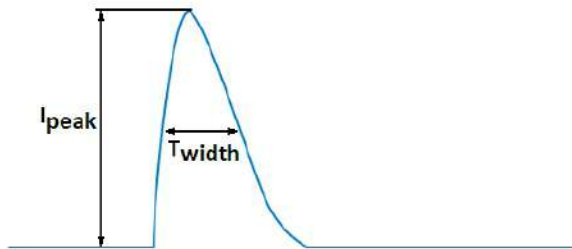
Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)		769 mA	

Features

Specification item	Value		Condition
Open load protection	Yes		Automatic recovering
Short circuit protection	Yes		Automatic recovering
Over power protection	Yes		Automatic recovering
Hot wiring	No		
Suitable for fixtures with protection class	I		per IEC60598
Overtemperature protection	Yes		Automatic recovering
Auxiliary Power Supply (Vaux)	Yes		12Vdc, 200mA

Inrush current

Specification item	Value	Unit	Condition
Inrush current I_{peak}	56	A	Input voltage 230V
Inrush current T_{width}	326	μs	Input voltage 230V, measured at 50% I_{peak}
Drivers / MCB 16A type B	≤ 5	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 Protective Conductor Current (ins. Class I)	2	mA rms	Acc. IEC60598-1. LED module contribution not included

Surge immunity

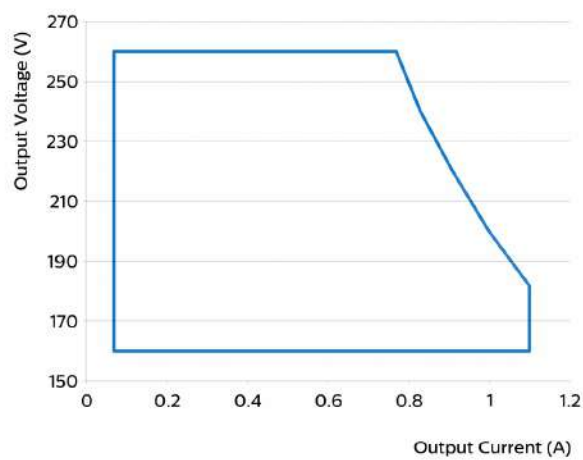
Specification item	Value	Unit	Condition
Mains surge immunity (diff. mode)	6	kV	Acc. IEC61000-4-5. 2 Ohm, 1.2/50us, 8/20us
Mains surge immunity (comm. mode)	6	kV	Acc. IEC61000-4-5. 12 Ohm, 1.2/50us, 8/20us

Application Info

Specification item	Value
Approval marks	CB / CCC / CE / ENEC / RCM / RU
Ingress Protection classification (IP)	65

Graphs

Operating window



Power factor versus output power

