

Ibérica de Iluminación

WWW.IBERICADEILUMINACION.ES

WWW.IBERIANLEDGROUP.COM



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.

MONTAIE

- 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.

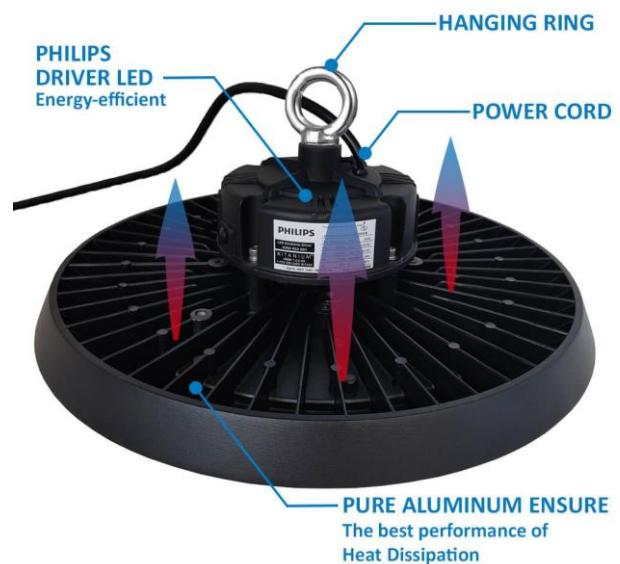


MONTAJE ÓPTICO Y LED

- 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): 90º

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 (ºC): -30ºC ~ +45ºC

Ciclos de Encendidos: 100.000

Tiempo de Arranque (s): 0,2s

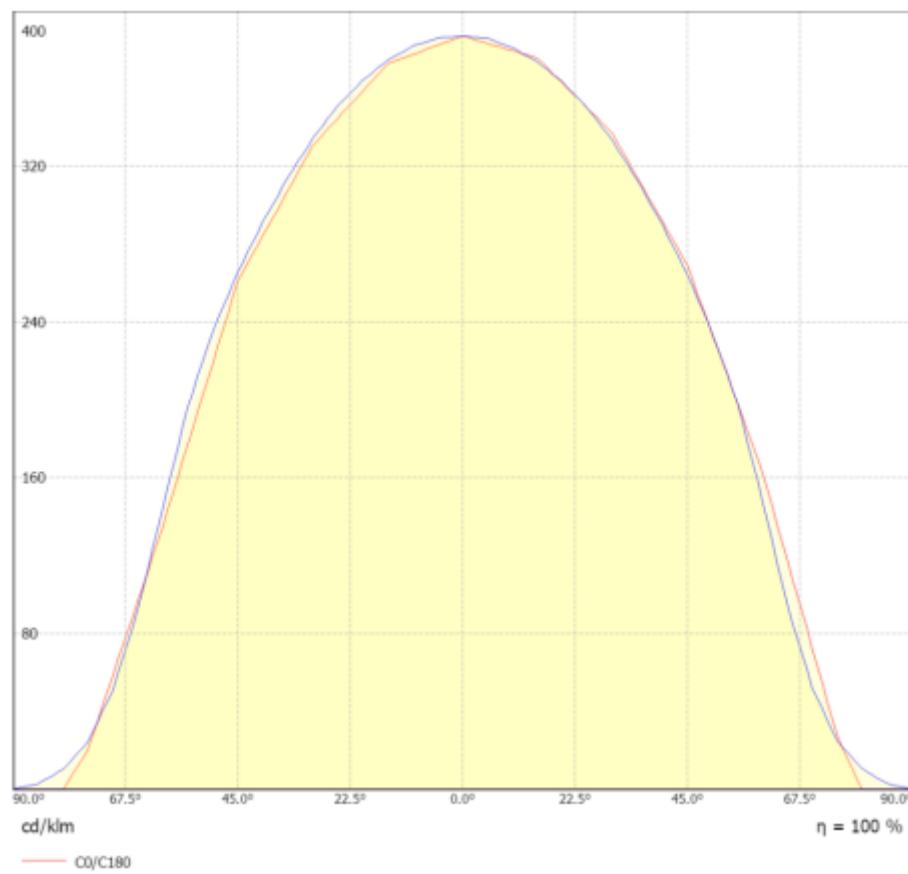
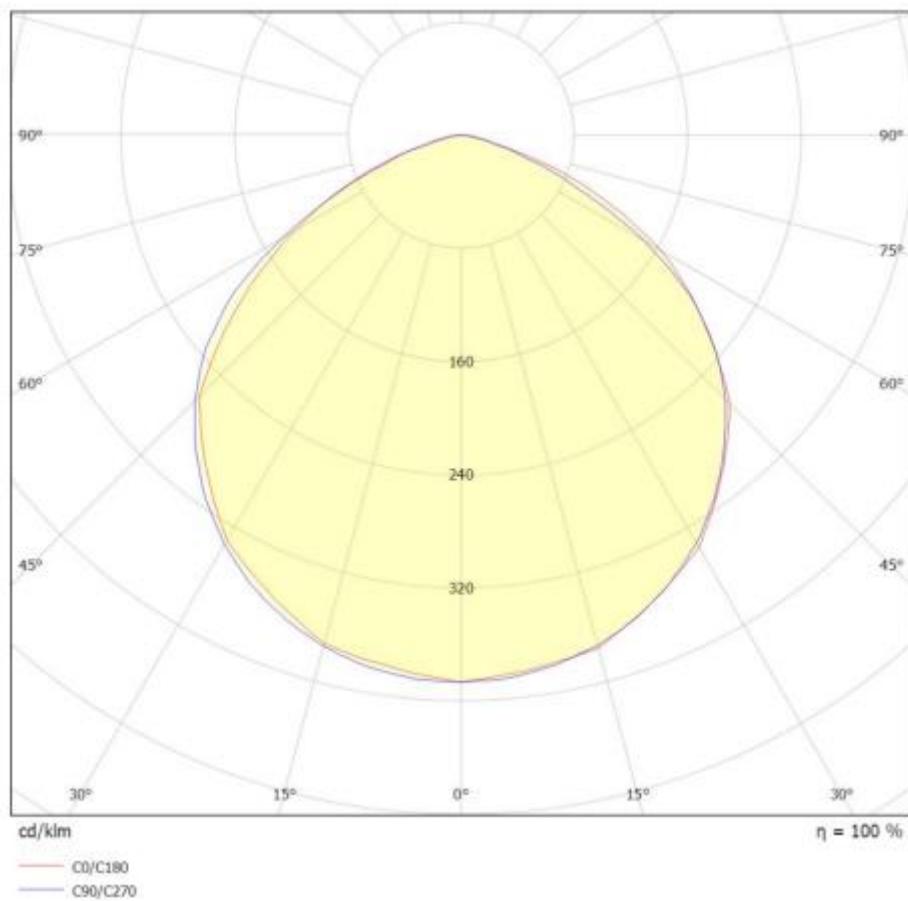
Protección impacto (IK): IK09

Driver incluido: DRIVER NO FLICK - SIN PARPADEO

Clase Energética: C

Garantía años: 6

FOTOMETRIAS





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

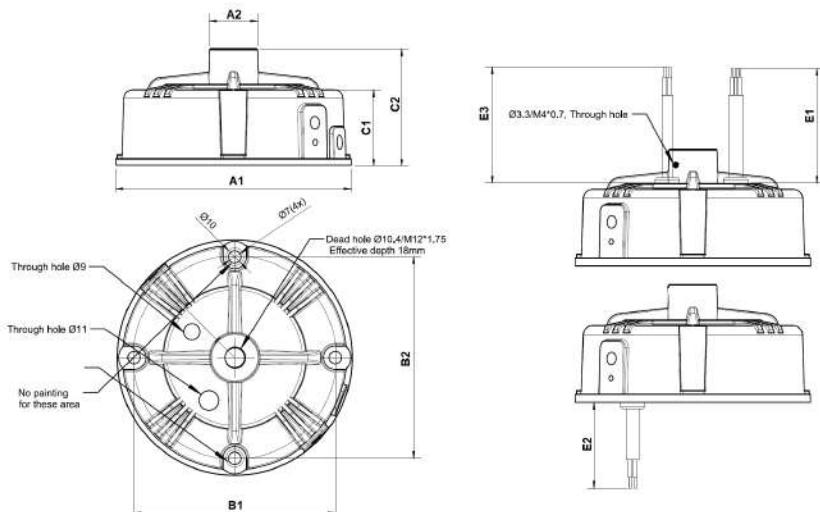
| Specification item | Value | Unit | Type |
|----------------------------|-----------|-----------------------|------------------------------------------------------|
| Input wire cross-section | 1.04 / 17 | mm ² / AWG | 3-wire cable, AWG17 |
| Output wire cross-section | 1.04 / 17 | mm ² / AWG | 2-wire 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 | | |

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 RI1325 |
| Logistic code 12NC | 9290 028 25780 |
| Pieces per box | 10 |

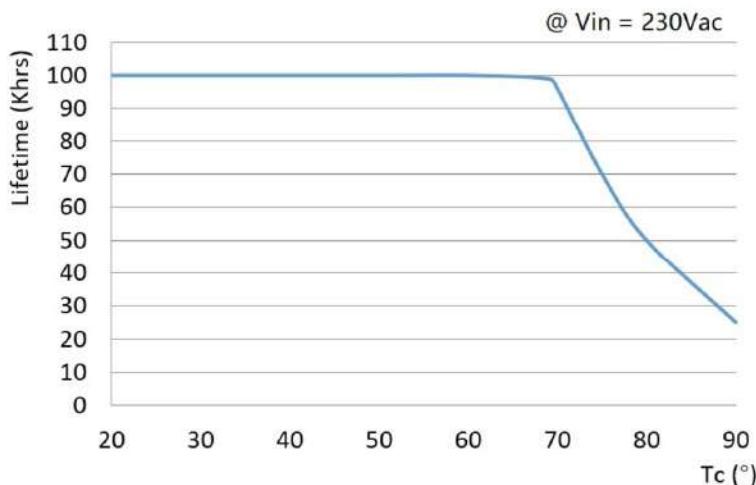
Operational temperatures and humidity

| Specification item | Value | Unit | Condition |
|-----------------------------|-----------|------|--------------------------------------------------------------------------------------|
| Ambient temperature | -40...+60 | °C | Higher ambient temperature allowed as long as T _{case} -max is not exceeded |
| T _{case} -max | 80 | °C | Maximum temperature measured at T _{case} -point |
| T _{case} -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: T_c max = 75°C, T_c life = 65°C @Vin<120Vac

Lifetime

| Specification item | Value | Unit | Condition |
|--------------------|--------|-------|-------------------------------------------------------------------------------------------------------|
| Driver lifetime | 50,000 | hours | Measured temperature at T _{case} -point is T _{case} -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

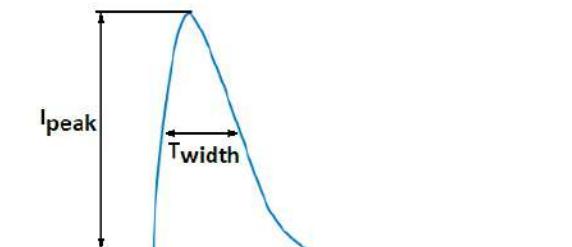
| Specification item | Available | Default setting | Condition |
|-------------------------------------|-----------|-----------------|-----------|
| Set Adjustable Output Current (AOC) | | 769 mA | |

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 | μ s | 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

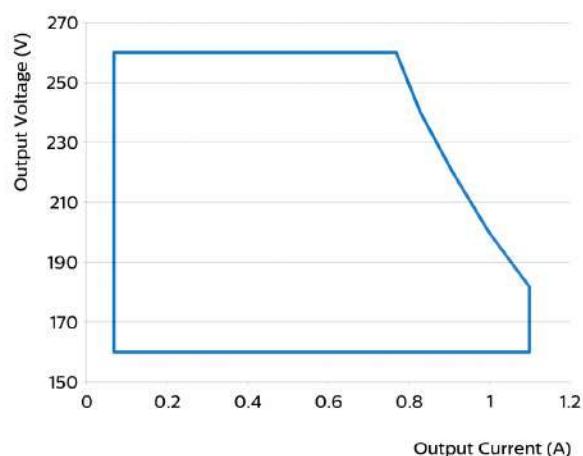
| Specification item | Value | Unit | Condition |
|-----------------------------------|-------|------|---------------------------------------------|
| Mains surge immunity (diff. mode) | 6 | kV | Acc. IEC61000-4-5. 2 Ohm, 1.2/50us, 8/20us |
| Mains surge immunity (comm. mode) | 6 | kV | Acc. IEC61000-4-5.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

