



COB PRO WHITE PHOSPHORS

Typology

COB PRO Strips adopt advanced “Flip-Chip” technology, allowing greater compactness and higher energy efficiency.

COB PRO Strips are designed with a white profiling on both sides of the chip to prevent light dispersion and color temperature variation at the beam edges.

The circuit, enhanced with a thicker copper layer, reduces voltage drops and ensures uniformity.

All materials are selected at the highest quality of the state of the art.

The innovative protective structure ensures durability, long-term reliability, and extreme flexibility, with curves with bending radii up to 50 mm.

Features

The white-phosphor model stands out for its high efficiency and unique design: SMD chips covered with white phosphors that homogenize the light emission.

Installation

Complete with 3M double-sided tape to attach to the surface.

When using double-sided tape decrease the application surface adequately.

The cutting pitch is 28 mm.

Usage information

Dimmable 0-100% Flicker Free

DALI - DMX - 1-10

Analogue and digital domotic control systems

Push Dali with ZKCDAFF controllers

CASAMBI compatible

Packaging

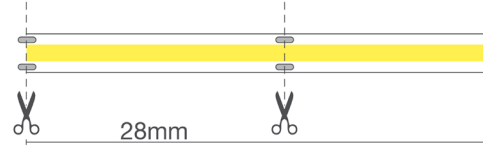
Packaged in 5 meters reels.



Characteristic data

Power	100 W	Beam	140°	Dimmable	Yes	Input	24 Vdc
Base	Free Wire	IP	20	Tc	4000 K	Ra	90
LED Warranty	G5h24	RG	RG1				

Dimensional characteristics



L	5000 mm
L1	10 mm
H	2.9 mm

Cutting pitch	28 mm
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Lighting and photometric features

Beam opening	140°
Nominal flux per mt	2700 lm/m
CCT nominal colour temperature	4000 K
Colour of the light	Natural light
Colour rendering index	90
Lifespan	50000 h
LED lifespan	L70B50
Trigger time	<0,2 s
Heating time up to 60% of full efficiency	Instant Full Light

Electrical characteristics

Rated power	100 W
Input voltage	24 Vdc
Dimmable	Yes
Energy efficiency class	This product contains a light source of energy efficiency class "E"
Operating temperature	-25°C / +35°C

Photometry

	4000K	H(m)	D1(m)	D2(m)	Emax(lx)		
	Ra90		113°	153°			
Fixture Power	20W	1	3.05	8.31	699		
Source Flux	2700lm	2	6.09	16.62	175		
Fixture Flux	2700lm	3	9.14	24.93	78		
Efficacy	135lm/W	4	12.18	33.24	44		
352875	Imax=259cd/klm	Imax	699cd	5	15.23	41.56	28

EulumDat file on the site

LED Warranty

G5h24	Full Guarantee 5 years (24h/24h) Without limitations on the duration of use for the first year, provided the observance of the installation conditions.
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European Directives

2009/125/EC * Ecodesign
 2011/65/EU * RoHS
 2012/19/EU * RAEE
 2014/30/EU * EMC
 2015/863 * Amending RoHS
 2017/1369 * Regulation for Energy Labelling
 2019/2015 * Regulation for Energy Labelling
 2019/2020 * Regulation for Ecodesign
 2021/340 * Amending Reg. Energy Labelling
 2021/341 * Amending Reg. Ecodesign

Product standards

CEI EN 55015:2020 (+A11:2020)
 CEI EN 60598-1:2022
 CEI EN 60598-2-1:2022
 CEI EN 61000-3-2:2019 (+A1:2021)
 CEI EN 61000-3-3:2014 (+EC1:2014/+EC2:2016/+A1:2021/+A2:2022)
 CEI EN 61547:2010
 CEI EN 62031:2021 (+A11:2022)
 CEI EN 62471:2010
 IEC/TR 62471-2:2009
 CEI EN 62493:2015
 CEI 34-141:2014

Logistics data

Barcode single item	8011905352875
Number of pieces multiple pack	18
Minimum packaging	1 / 18