

## LUM – Technical Information

OSRAM PUNCTOLED COB® 35 3000K  
OSRAM PUNCTOLED COB® 35 4000K

OSRAM PUNCTOLED COB® 50 3000K  
OSRAM PUNCTOLED COB® 50 4000K

OSRAM PUNCTOLED COB® 75 3000K  
OSRAM PUNCTOLED COB® 75 4000K



PUNCTOLED® COB are designed for the easy, convenient transition from halogen high voltage to LED downlights. PUNCTOLED® COB are suitable wherever efficient, swivelable and dimmable downlights for general and accent lighting is needed.

### **Tender text**

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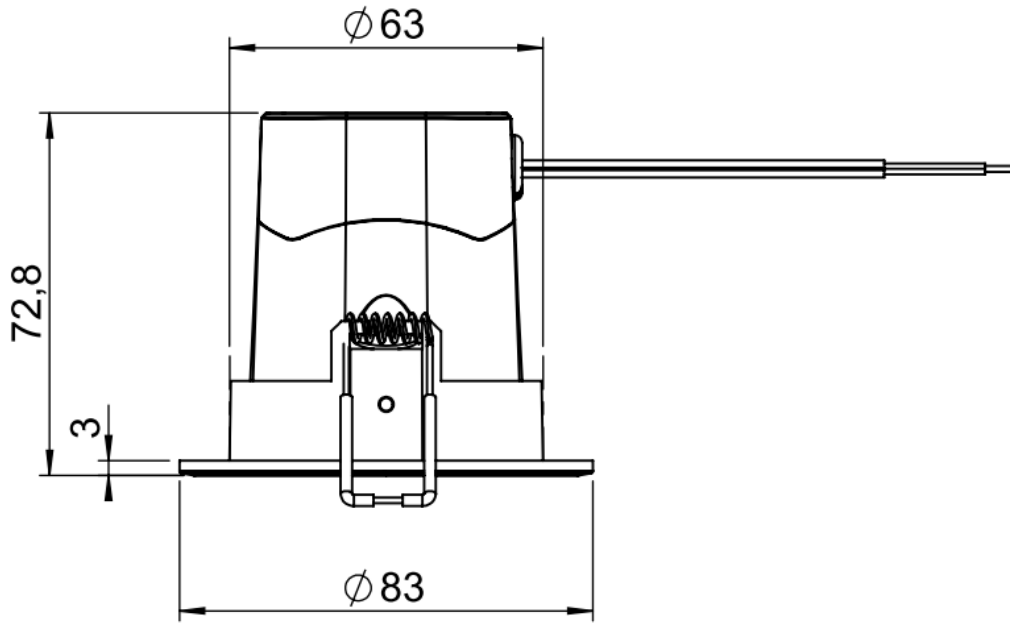
- Substitute of 35W / 50W / 75W halogen high voltage downlights
- Direct connection to mains voltage,
- Swivelable and dimmable (phase-cut)
- No external ECG
- Lower installation depths in comparison to KIT HAL/LED
- Suitable for suspended ceilings and concrete installation housings (with/without tunnel)

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## A) Technical Information

### 1) Housing, Mounting and Accessories

Product name	OSRAM PUNCTOLED® COB 35 3000K/4000K	OSRAM PUNCTOLED® COB 50 3000K/4000K	OSRAM PUNCTOLED® COB 75 3000K/4000K
Body material	Aluminum		
Color of the luminaire (RAL)	White RAL 9016		
Cover material	PMMA		
Type of cover	Transparency		
Reflector material	---		
Symmetry	Round		
Adjustable	Yes		
Dimensions ØxH [mm]	83 x 72,8		
	 <p>The technical drawing shows a cross-section of the luminaire. It features a cylindrical body with a diameter of 63 mm and a total height of 72,8 mm. The base has a diameter of 83 mm. A mounting arm is attached to the side of the body. A small dimension of 3 mm is indicated at the bottom left, likely representing the offset of the mounting base. The internal components, including a spring and a COB chip, are visible in the center.</p>		

Mounting type	Recessed		
Mounting hole [mm]	Ø 70 ± 2		
Installation height [mm]	90		
Ceiling thickness [mm]	2 - 20		
Net weight [g]	200	250	250
Protection class	II		
Type of protection (IP code)	20		
Protection against ignition and fire	---		
Shock resistance (IK code)	---		
Load-bearing capacity	---		
Ambient temperature [°C]	25		
Storage temperature [°C]	-20...80		
Body temperature [°C]	≤ 60		
Luminaire efficiency [lm/W]	66	68	72
Power factor	≥ 0,9		
Approval marks	CE		
Environment	RoHS		

## 2) Electrical Installation

- Connection with mains power in accordance with national regulations

Product name	OSRAM PUNCTOLED® COB 35 3000K/4000K	OSRAM PUNCTOLED® COB 50 3000K/4000K	OSRAM PUNCTOLED® COB 75 3000K/4000K
Nominal/Rated wattage [W]	4,5	6	7,5
Mains voltage [V]	220...240	220...240	220...240
Rated current [mA]	27	27	36
Mains frequency [Hz]	50 / 60		
Suitable cable types for primary side	Cable H03VV-F 3x0,75 mm <sup>2</sup> included (250mm)		
Type of connection	---		

## 3) Optical features

Product name	OSRAM PUNCTOLED® COB 35 3000K/4000K	OSRAM PUNCTOLED® COB 50 3000K/4000K	OSRAM PUNCTOLED® COB 75 3000K/4000K
Lights source	LED	LED	LED
Number of lighting outlets	1	1	1
Lifetime LED [h]	30000	30000	30000
Light color	Warm / Neutral white	Warm / Neutral white	Warm / Neutral white
Color temperature [K]	3000 ± 150 / 4000 ± 150	3000 ± 150 / 4000 ± 150	3000 ± 150 / 4000 ± 150
MacAdam (SDCM)	5	5	5
Color rendering index (CRI)	≥ 80	≥ 80	≥ 80
Beam angle [°]	36 ± 2	36 ± 2	36 ± 2
Luminous flux [lm]	300 ± 10%	410 ± 10%	540 ± 10%
Luminous value [lx] 1 m / 2 m	600 / 150	900 / 225	1200 / 300

## 4) Control

Product name	OSRAM PUNCTOLED® COB 35 3000K/4000K	OSRAM PUNCTOLED® COB 50 3000K/4000K	OSRAM PUNCTOLED® COB 75 3000K/4000K
Ballast / Control gear	Integrated ECG		
Communication interface	---		
Permissible sinusoidal operating voltage [V <sub>AC</sub> ]	220...240		
Secondary voltage [V <sub>OUT</sub> ]	Max. 37 V		
Color control	No		
Through-wiring	No		
Dimmable	Yes		
Dimmable interface	No		

## 5) Dimmer Compatibility

Brand	Model	Load Range [W]	Type	Dimming Range
Berker	2874	20 - 525	Trailing edge	30 - 100
Busch-Jäger	6519 U	40 - 550		
Busch-Jäger	6513 U-102	40 - 425		
Conrad	T46	20 - 315		
Gira	030700/I02	20 - 525		
Merten	577199	20 - 315		
ABB	STD50-3	20 - 500		
Jung	225 NVDE	20 - 500	Leading edge	
Berker	2875	60 - 600		
Düwi	1600	50 - 300		
Elso	174120	20 - 500		
Britisch Gernal	AT091-BG	60 - 400		
Busch-Jäger	6517 U-101	60 - 400		
Kopp	Dimmer 8085	40 - 500		
Busch-Jäger	2247 U	20 - 500		

### Application Notes:

- For best dimming results trailing edge dimmer type is recommended.

### Please Note:

- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors. OSRAM does not take over any responsibility, warranty or liability that this results can also achieved by using the devices under other conditions or when using other LED luminaire types.
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- Please reference the dimmer manufacturer's instructions for installation.
- LED luminaires contain several electronic components. Under unfavorable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or resonance effect).
- Subject to change without notice.
- Errors and omission excepted.
- Always make sure to use the most recent release.

## B) Logistic Data

Product reference	EAN 10	EAN 40	MLFB	SU
OSRAM PUNCTOLED® COB 35 3000K	4052899933989	4052899934047	0DP10C97023R	6x1
OSRAM PUNCTOLED® COB 35 4000K	4052899933996	4052899934054	0DP10C97023S	6x1
OSRAM PUNCTOLED® COB 50 3000K	4052899934009	4052899934061	0DP10C97033R	6x1
OSRAM PUNCTOLED® COB 50 4000K	4052899934016	4052899934078	0DP10C97033S	6x1
OSRAM PUNCTOLED® COB 75 3000K	4052899934023	4052899934085	0DP10C97053R	6x1
OSRAM PUNCTOLED® COB 75 4000K	4052899934030	4052899934092	0DP10C97053S	6x1