

LUM – Technical Information

OSRAM PUNCTOLED COB® 35 2700K
OSRAM PUNCTOLED COB® 35 3000K
OSRAM PUNCTOLED COB® 35 4000K

OSRAM PUNCTOLED COB® 50 2700K
OSRAM PUNCTOLED COB® 50 3000K
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OSRAM PUNCTOLED COB® 75 2700K
OSRAM PUNCTOLED COB® 75 3000K
OSRAM PUNCTOLED COB® 75 4000K



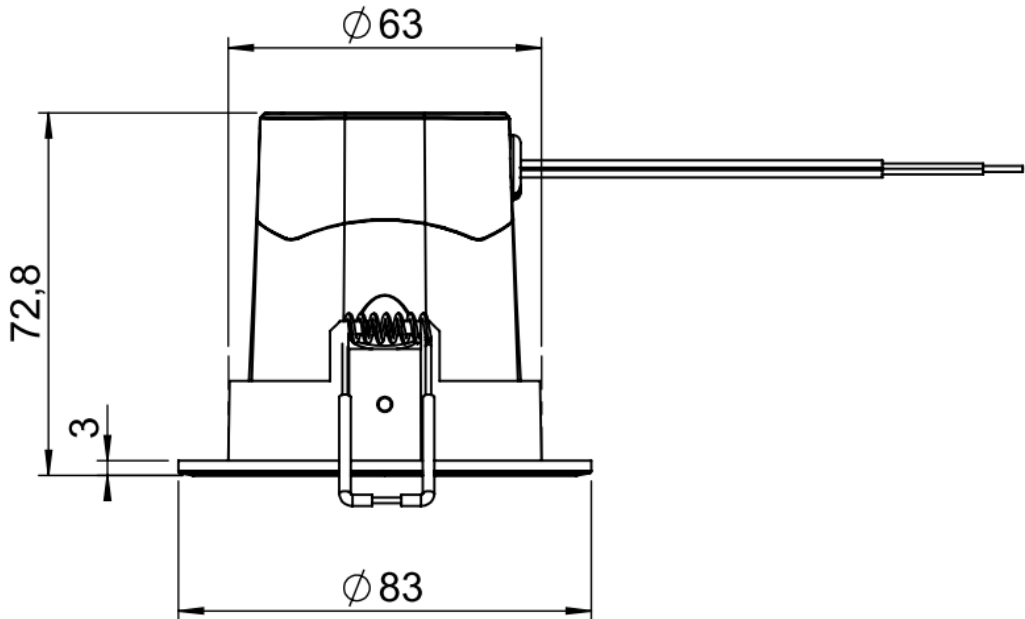
PUNCTOLED® COB are designed for the easy, convenient transition from halogen high voltage to LED downlights. PUNCTOLED® COB are suitable wherever efficient, swivelable and dimmable downlights for general and accent lighting is needed.

Tender text

- 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)

A) Technical Information

1) Housing, Mounting and Accessories

Product name	OSRAM PUNCTOLED® COB 35 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 50 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 75 2700K/3000K/4000K
Body material	Aluminum		
Color of the luminaire (RAL)	White RAL 9016		
Cover material	PMMA		
Type of cover	---		
Reflector material	---		
Symmetry	Round		
Adjustable	Yes		
Dimensions ØxH [mm]	83 x 72,8		
			

Mounting type	Recessed
Mounting hole [mm]	Ø 70 ± 2
Installation height [mm]	90
Ceiling thickness [mm]	2 - 20
Net weight [g]	250
Protection class	II
Type of protection (IP code)	IP20
Protection against ignition and fire	---
Shock resistance (IK code)	---

Ambient temperature [°C]	0...25
Storage temperature [°C]	-20...80
Body temperature [°C]	≤ 60
Luminaire efficiency [lm/W]	≥ 80
Power factor	≥ 0,9
Approval marks	CE
Environment	RoHS

Installation in concrete ceilings

PUNCTOLED COB Downlights are suitable for the installation in concrete ceilings. The concrete installation housings specified below from KAISER Elektro are recommended. For further details, for example relating to slab ceilings or exposed concrete, please contact your specialist dealer or refer to www.kaiser-elektro.de

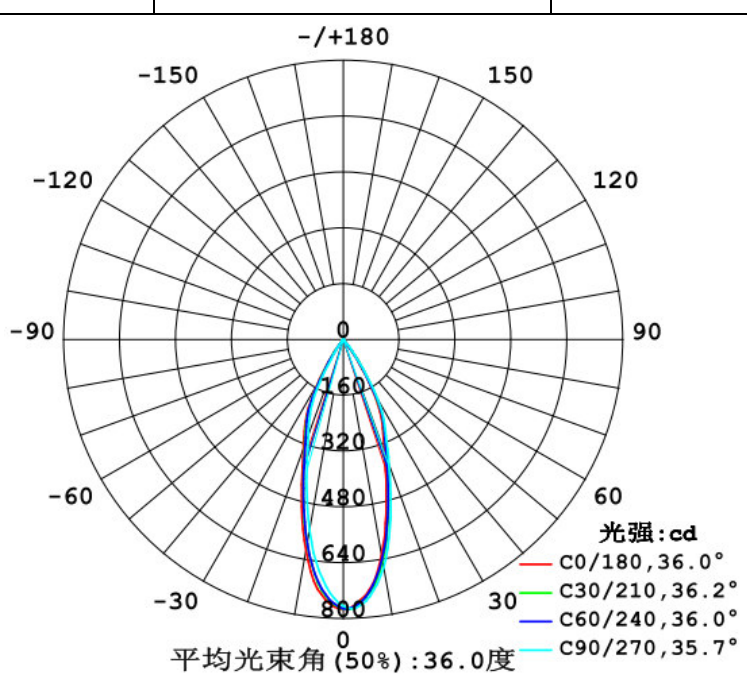
Name	Art. No.	qty
HaloX-P housing with mineral fibreboard	1291-22	1
HaloX-P housing with mineral fibreboard and transformer tunnel	1291-12	1
HaloX-P Housing	1291-15	1
HaloX-P Housing	1291-50	1
HaloX-P housing with transformer tunnel	1291-16	1
HaloX-P housing with transformer tunnel	1291-51	1

2) Electrical Installation

- Connection with mains power in accordance with national regulations

Product name	OSRAM PUNCTOLED® COB 35 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 50 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 75 2700K/3000K/4000K
Nominal/Rated wattage [W]	4,5	6	7,5
Mains voltage [V]	220...240	220...240	220...240
Rated current [mA]	23	28	35
Mains frequency [Hz]	50 / 60		
Suitable cable types for primary side	Cable H03VV-F 3x0,75 mm² included (250mm)		
Type of connection	---		

3) Optical features

Product name	OSRAM PUNCTOLED® COB 35 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 50 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 75 2700K/3000K/4000K
Luminous flux ± 10% [lm]	360	510	620
Color temperature ± 10% [K]	2700 3000 4000	2700 3000 4000	2700 3000 4000
MacAdam (SDCM)	≤ 5	≤ 5	≤ 5
Color rendering index (CRI)	≥ 80	≥ 80	≥ 80
Beam angle [°]	36 ± 2	36 ± 2	36 ± 2
Light distribution curve	 光强: cd - C0/180, 36.0° - C30/210, 36.2° - C60/240, 36.0° - C90/270, 35.7° 平均光束角 (50%) : 36.0度		
Luminaire lifetime L70/B50 @ 25°C[h]	30000	30000	30000
Lights source	COB LED	COB LED	COB LED
Number of lighting outlets	1	1	1

4) Control

Product name	OSRAM PUNCTOLED® COB 35 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 50 2700K/3000K/4000K	OSRAM PUNCTOLED® COB 75 2700K/3000K/4000K
Ballast / Control gear	Integrated ECG		
Communication interface	---		
Permissible sinusoidal operating voltage [V _{AC}]	220...240		
Secondary voltage [V _{OUT}]	Max. 60 V		
Color control	No		
Through-wiring	No		
Dimmable	Yes (Trailing and leading edge)		
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	Leading edge	
Jung	225 NVDE	20 - 500		
Berker	2875	60 - 600		
Düwi	1600	50 - 300		
Elso	174120	20 - 500		
Britisch Gerneral	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 2700K	4052899986343	4052899986435	0DP10C9702327	6x1
OSRAM PUNCTOLED® COB 35 3000K	4052899986374	4052899986466	0DP10C77023R	6x1
OSRAM PUNCTOLED® COB 35 4000K	4052899986381	4052899986473	0DP10C77023S	6x1
OSRAM PUNCTOLED® COB 50 2700K	4052899986350	4052899986442	0DP10C9703327	6x1
OSRAM PUNCTOLED® COB 50 3000K	4052899986398	4052899986480	0DP10C77033R	6x1
OSRAM PUNCTOLED® COB 50 4000K	4052899986404	4052899986497	0DP10C77033S	6x1
OSRAM PUNCTOLED® COB 75 2700K	4052899986367	4052899986459	0DP10C9705327	6x1
OSRAM PUNCTOLED® COB 75 3000K	4052899986411	4052899986503	0DP10C77053R	6x1
OSRAM PUNCTOLED® COB 75 4000K	4052899986428	4052899986510	0DP10C77053S	6x1