PUNCTOLED® II

LUM – Technical Information





Professional LED Downlight with diffused light and compact dimensions



Tender text

- Very high efficiency
- Wide beam angle
- OSRAM LEDs and driver included
- Compact dimensions
- Aluminum

Table of contents:

Tender text 1
A) Technical Information 2
1) Housing, Mounting and Accessories 2
2) Electrical Installation 3
3) Optical features 3
4) Control 4
B) Logistic Data 4

ZDD 2869159-000-00 #RL-Released #2012-12-06 #for internal use #0XL #Technical Data Sheet PUNCTOLED II # #371 #N.SPIEGL #PLP(V)

A) Technical Information

1) Housing, Mounting and Accessories

Product name	PUNCTOLED® II 10W	PUNCTOLED® II 15W	PUNCTOLED® II 20W
Body material	Aluminum	Aluminum	Aluminum
Color of the luminaire (RAL)	White	White	White
Cover material	---	---	---
Type of cover	---	---	---
Reflector material	Aluminium	Aluminium	Aluminium
Symmetry	Rotation	Rotation	Rotation
Adjustable	No	No	No
Total height [mm]	54	73	76
Total lenght [mm]	---	---	---
Total width [mm]	Ø 85	Ø 110	Ø 135
Installation height [mm]	70	90	90
Ceiling thickness [mm]	6-18	6-18	6-18
Mounting type	Ceiling	Ceiling	Ceiling
Net weight [g]	250	400	520
Protection class	II	II	II
Type of protection (IP code)	20	20	20
Protection against ignition and fire	---	---	---
Glow Wire Test according to IEC 695-2-1 (> 650℃)	Yes	Yes	Yes
Shock resistance (IK code)	---	---	---
Load-bearing capacity	---	---	---
Ambient temperature [℃]	25	25	25
Storage temperature [℃]	-20 - 80	-20 - 80	-20 - 80
Approval marks	CE	CE	CE
Body temperature [℃]	< 55°C	< 55°C	< 55°C
Ambient temperature [℃]	25	25	25
Luminaire efficiency [lm/W]	60	67	73

#PLP(V) #371 #N.SPIEGL # #0XL #Technical Data Sheet PUNCTOLED II #2012-12-06 #for internal use #RL-Released ZDD 2869159-000-00

2) Electrical Installation

- Connection with mains power in accordance with national regulations

Product name	PUNCTOLED® II 10W	PUNCTOLED® II 15W	PUNCTOLED® II 20W
Nominal wattage [W]	10	15	20
Mains voltage [V]	220 - 240	220 - 240	220 - 240
Rated current [mA]	44	66	87
Mains frequency [Hz]	50 / 60	50 / 60	50 / 60
Suitable cable types for primary side	H03VV-HF (2x0,75 mm^2)	H03VV-HF (2x0,75 mm^2)	H03VV-HF (2x0,75 mm^2)
Type of connection	Screw terminal with cable clamp on power supply	Screw terminal with cable clamp on power supply	Screw terminal with cable clamp on power supply

3) Optical features

Product name	PUNCTOLED® II 10W	PUNCTOLED® II 15W	PUNCTOLED® II 20W
Lights source	OSRAM LED	OSRAM LED	OSRAM LED
Number of lighting outlets	21	36	48
Lifetime LED [h]	50.000	50.000	50.000
Light color	Warm white	Warm white	Warm white
Color rendering index (CRI)	> 80	> 80	> 80
Color temperature [K]	3.000 ± 100	3.000 ± 100	3.000 ± 100
Wafe length	---	---	---
Beam angle [°]	90 ± 10 %	90 ± 10 %	90 ± 10 %
Luminous flux [lm]	600	1.000	1.450
Luminous intensity [cd]	280	485	685
Luminous value [lx] 1m / 2 m]	191 / 48	318 / 80	462 / 115

#PLP(V) #371 #N.SPIEGL # #0XL #Technical Data Sheet PUNCTOLED II #2012-12-06 #for internal use #RL-Released ZDD 2869159-000-00

4) Control

Product name	PUNCTOLED® II 10W	PUNCTOLED® II 15W	PUNCTOLED® II 20W
Ballast / Control gear	External control gear included (cabled on the secondary side)	External control gear included (cabled on the secondary side)	External control gear included (cabled on the secondary side)
Communication interface	---	---	---
Permissible sinusoidal operating voltage [V_{AC}]	220 - 240	220 - 240	220 - 240
Secondary voltage [V_{OUT}]	12	12	12
Color control	---	---	---
Through-wiring	---	---	---
Energy Efficiency Index EEI	---	---	---
Dimmable	Yes	Yes	Yes
Dimmable interface	---	---	---

B) Logistic Data

Product reference	EAN 10	EAN 40	Order number	Color
PUNCTOLED® II 10W	4052899904088	4052899904149	41079	White
PUNCTOLED® II 15W	4052899904095	4052899904156	41080	White
PUNCTOLED® II 20W	4052899904101	4052899904163	41081	White

ZDD 2869159-000-00 #RL-Released #2012-12-06 #for internal use #0XL #Technical Data Sheet PUNCTOLED II # #371 #N.SPIEGL #PLP(V)