

# LEDVANCE<sup>®</sup> Downlight XL



## Technical Information

**Compact energy efficient LED Luminaire for downlight applications**



## Tender text

- replacing CFL and halogen downlight applications → high lumen output powered by OSRAM OSOLON LED
- sustainable and energy saving → luminaire efficacy: 50 lm/W and up to 70% savings
- direct connection to mains voltage → power supply integrated
- easy installation → compact, quick connectors and secure lock system
- comfortable features → DALI dimming version available
- fits in many applications → 60° version suitable for office environment, conform to EN 12464-1 (UGR 19)

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# LEDVANCE® Downlight XL

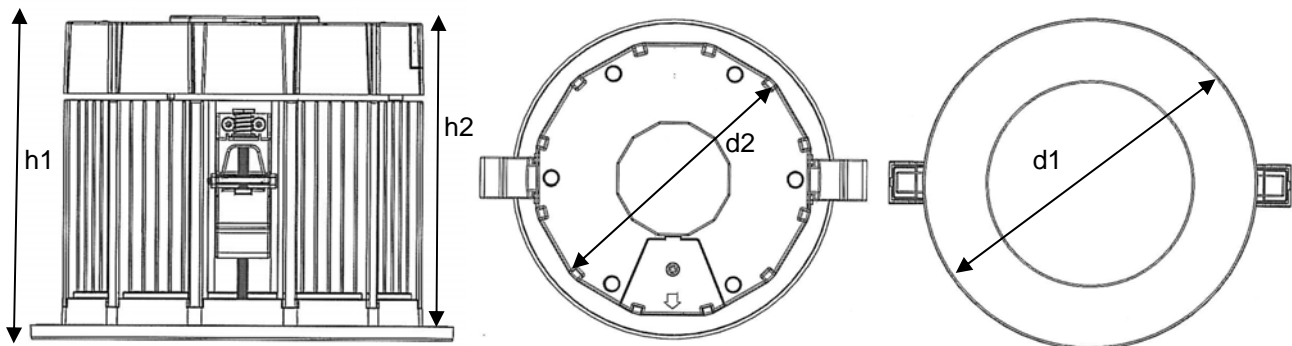


## A) Technical Information

### 1) Housing, Mounting and Accessories

Product name	LEDVANCE® Downlight XL
Body material	Aluminium
Ring colour (RAL)	white RAL 9016 matt
Cover material	glass
Type of cover	Diffuser
Symmetry	Symmetric
Adjustable	No

Total Height h1 [mm]	150 mm
Total Diameter d1 [mm]	195 mm
Backside depth h2 [mm]	145 mm
Backside diameter d2 [mm]	170 mm
Cut out diameter [mm]	175 mm
Installation height [mm]	Min. 150 in the false ceiling



Mounting type	Recessed Downlight
Net weight [g]	2400
Ceiling thickness [mm]	12-24
Protection class	II
Type of protection (IP code)	IP 21 accessible part, IP20 recessed part
Protection against ignition and fire	F
Glow Wire Test according to IEC 695-2-1 (> 650°C)	960 °C
Approval marks	ENEC, CE
Ambient temperature	25°C
Luminaire efficiency lm/W	50 lm/W

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## Anodized Aluminum Ring



Flat Anodized Aluminum Ring with glass cover (like standard white ring)

## 2) Electrical Installation

- Mains voltage luminaire with on/off functionality

Product name	LEDVANCE <sup>®</sup> Downlight XL
Nominal wattage [W]	32 W
Mains voltage [V]	220-240 V
Mains frequency [Hz]	50-60 Hz
Suitable cable types	NYM(3x1.5) mm <sup>2</sup> ; U-1000 R2V (2x1 – 2x1.5 – 3x1 – 3x1.5) mm <sup>2</sup> , H05VV-F(3x1.5) mm <sup>2</sup> ; H05VV-F(2x1.5) mm <sup>2</sup> ; H05VV-H2F(2x1.5) mm <sup>2</sup>
Type of connection	quick connector for wires between 1,5 and 2,5 mm <sup>2</sup>

## 3) Optical features

- OSRAM OSOLON LED inside
- High efficient reflector system

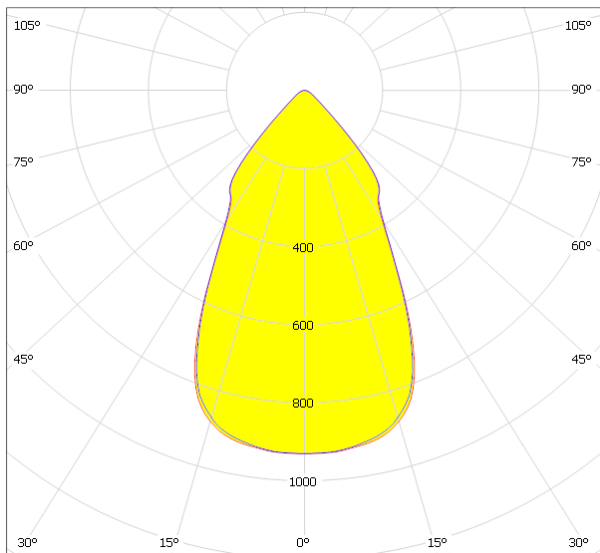
Product name	LEDVANCE <sup>®</sup> Downlight XL	
LED type	OSOLON	
Lifetime LED	50.000 h (L70)	
Light color	White	
Color rendering index (CRI)	>80	
Color temperature [K]	3000 K; 4000 K	
Luminous flux [lm]	1600 lm	
Beam angle [°]	60°	100°
Luminous intensity [cd]	1488	552
UGR <sub>L</sub>	19 Suitable for office environments	25

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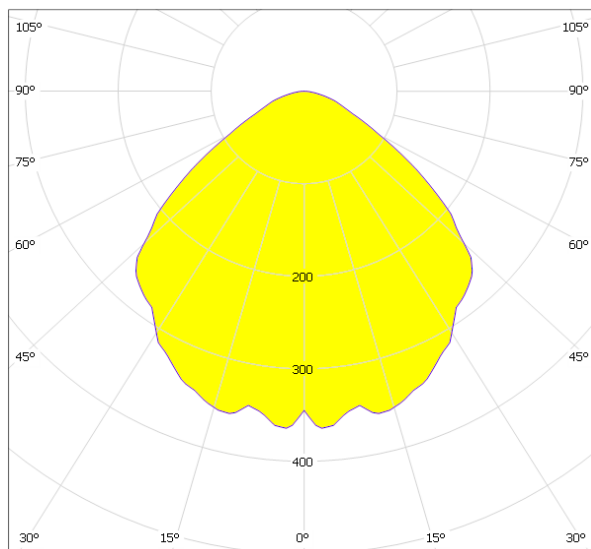


## Polar diagram(cd/klm):

60° beam angle

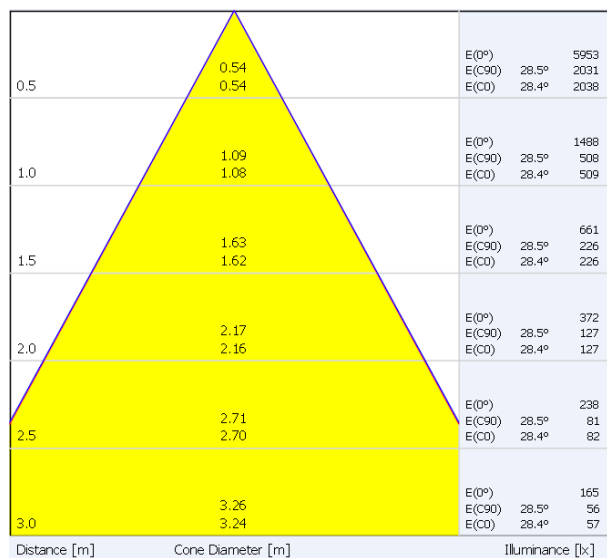


100° beam angle

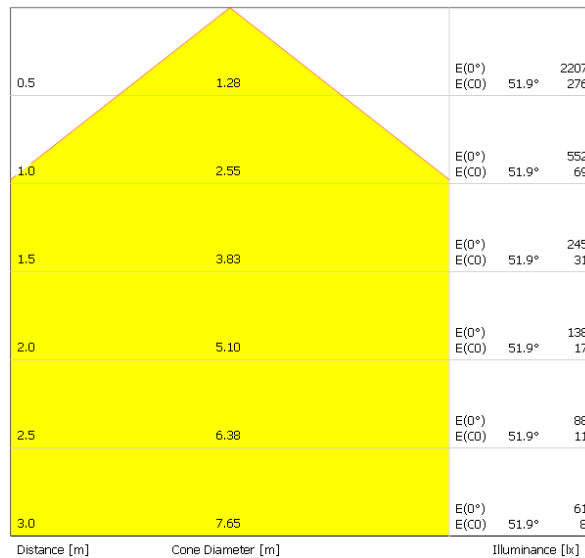


## Cone diagram:

60° beam angle:



100° beam angle



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## 4) Control

- Mains voltage luminaire with on/off functionality
- Dimmable version available soon

Product name	LEDVANCE <sup>®</sup> Downlight XL
Ballast / Control gear	Integrated ECG
Permissible sinusoidal operating voltage [V <sub>AC</sub> ]	220-240V
Dimmable	No; (dimmable version DALI available soon)

## B) Logistic Data

Product reference	Product number (EAN 10)	Color	Light color	SU
LEDVANCE <sup>®</sup> DOWNLIGHT XL 830 L60 WT	4008321968821	white	3000 K	4x1
LEDVANCE <sup>®</sup> DOWNLIGHT XL 830 L100 WT	4008321968838	white	3000 K	4x1
LEDVANCE <sup>®</sup> DOWNLIGHT XL 840 L60 WT	4008321968845	white	4000 K	4x1
LEDVANCE <sup>®</sup> DOWNLIGHT XL 840 L100 WT	4008321968852	white	4000 K	4x1

## Accessories:

Product reference	Product number (EAN 10)	Color	Light color or Wattage	SU
LEDVANCE <sup>®</sup> DOWNLIGHT XL RING AL	4008321968906	anodized aluminium		4x1

AL	anodized aluminium
WT	white
830	CRI 80, warm white 3000 K
840	CRI 80, cool white 4000 K
L100	100° beam angle
L60	60° beam angle