

LEDVANCE® Downlight L DIM



Technical Information



**Energy efficient and dimmable
LED luminaire for downlight applications**



Tender text

- replacing CFL and halogen downlight applications → high lumen output
- sustainable and energy saving → up to 70% savings
- dimmable → phase cut dimmable in leading and trailing edge
- direct connection to mains voltage → power supply integrated
- compact size: benefits for planner and installer → compact 93 mm installation depth
- contemporary ceiling integration → opal diffuser and discreet ring design
- 5 years guarantee → general conditions refer to [www.osram.com/ guarantee](http://www.osram.com/guarantee)

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LEDVANCE[®] Downlight L DIM

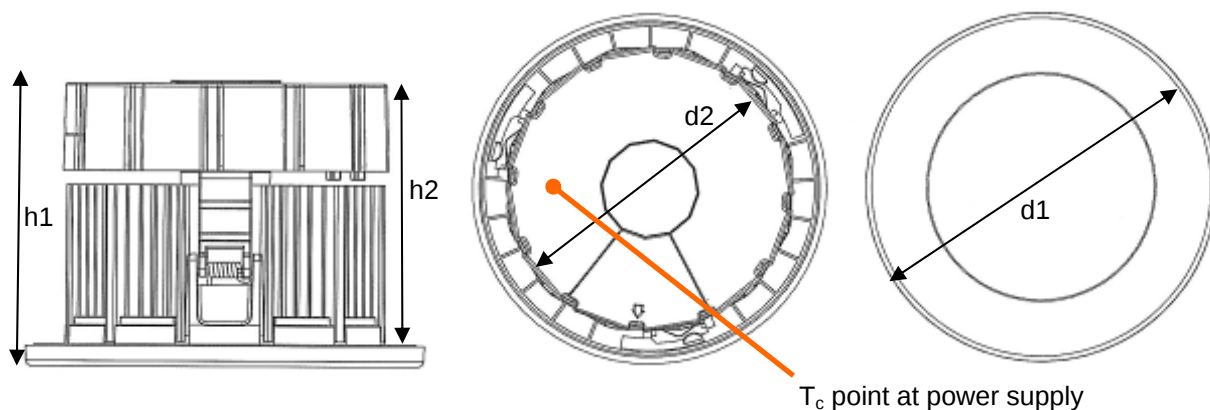


A) Technical Information

1) Housing, Mounting and Accessories

Product name	LEDVANCE [®] Downlight L DIM
Body material	Aluminium
Ring colour (RAL)	White RAL 9016 matt
Cover material	Glass
Type of cover	Diffuser
Symmetry	Rotational symmetric
Adjustable	No

Total Height h1 [mm]	102
Total Diameter d1 [mm]	140
Backside depth h2 [mm]	93
Backside diameter d2 [mm]	113
Cut out diameter [mm]	120
Installation height [mm]	Min. 100 in the false ceiling
Mounting type	Recessed Downlight
Net weight [g]	1050
Ceiling thickness [mm]	12-40



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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) [°C]	960
Approval marks	ENEC, CE
Ambient temperature	25°C
Luminaire efficiency [lm/W]	47,6

Anodized Aluminum Ring  Flat Anodized Aluminum Ring with glass cover (like standard white ring)		
Installation in concrete ceilings LEDVANCE 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
KompaX® 3 Housing for on-site mixed concrete	1294-00	1
KompaX® 3 Intermediate frame 50 mm	1294-14	1
KompaX® 3 Front ring 125 mm	1292-06	1
* slight luminous flux decline when installed in concrete installation housing		

2) Electrical Installation

Product name	LEDVANCE® Downlight L DIM
Nominal wattage [W]	21
Mains voltage [V]	220-240
Mains frequency [Hz]	50 – 60
Suitable cable types	NYM(3x1.5) mm²; U-1000 R2V (2x1 – 2x1.5 – 3x1 – 3x1.5) mm², H05VV-F(3x1.5) mm² ; H05VV-F(2x1.5) mm²; H05VV-H2F(2x1.5) mm²
Type of connection	quick connector for wires of 1,5 mm²

3) Optical features

Product name	LEDVANCE® Downlight L DIM
Light source	LED
Lifetime LED	50.000 h (L70; T _a =25°C)

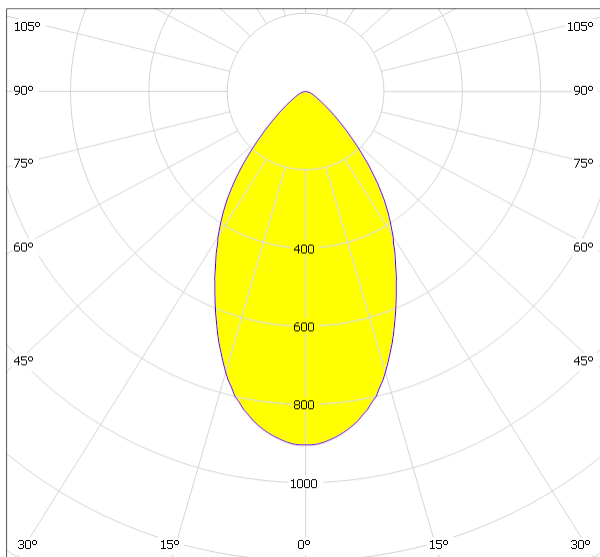
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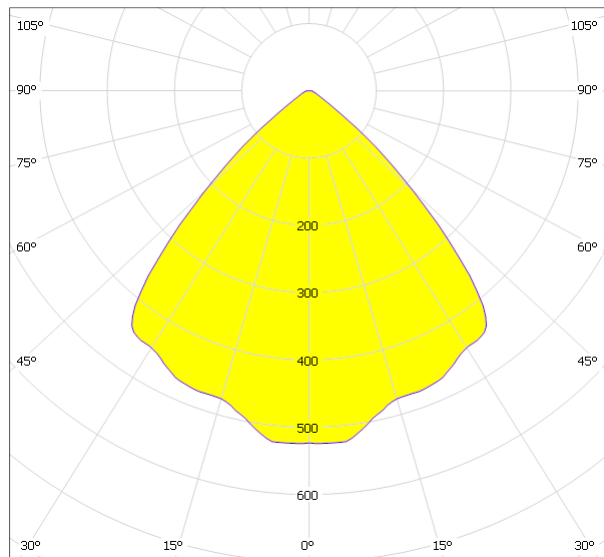
Light color	White	
Color temperature [K]	3000; 4000	
Color rendering index (CRI)	>80	
Luminous flux [lm]	1000	
Beam angle [°]	60	100
Luminous intensity [cd]	tbc	tbc
UGR	>19	>22

Polar diagram (cd/klm):

60° beam angle

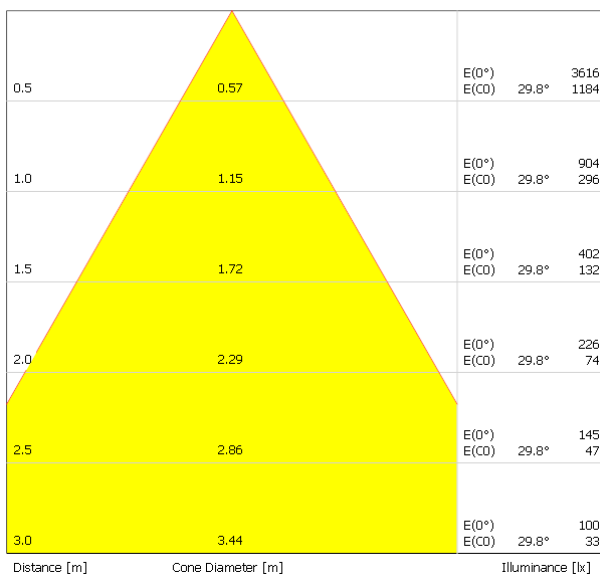


100° beam angle

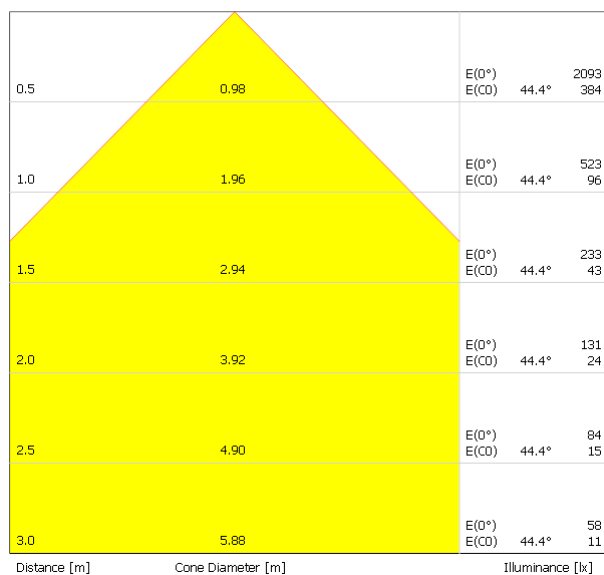


Cone diagram:

60° beam angle



100° beam angle



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4) Control

- easy connection to mains voltage → power supply included (cabled on sec. side)
- Phase cut dimmable

Product name	LEDVANCE® Downlight L DIM		
Ballast / Control gear	External control gear included (cabled on the secondary side)		
Max. case temperature T _c at Power supply [C°]	70		
Permissible sinusoidal operating voltage [V _{AC}]	220-240		
Dimmable	Yes		
Dimming interface	Phase cut (leading and trailing edge)		
	Dimmer devices specified below are recommended:		
	No.	Manufacturer	Type
	1	Gira GmbH & Co. KG	Tronic Dimmer 0307 00
	2	PEHA Elektro GmbH & Co. KG	Tronic Dimmer 435 HAB O.A
	3	Busch-Jaeger Elektro GmbH	Dimmer 6519 U
	4	Busch-Jaeger Elektro GmbH	Dimmer 6513U-102-500
	5	Feller AG	Dimmer 40683
	6	HPM Pty Ltd	Cat 400T
	7	Jung Elektro GMBH	Tronic Dimmer 225 TDE
	8	Merten GmbH	ET dimmer 577199
	9	Merten GmbH	LV halogen dimmer 572599
	10	Lichtregler	T39.01

B) Logistic Data

Product reference	Product number (EAN 10)	Color	Light color	SU
LEDVANCE® DOWNLIGHT L WT 830 L60 DIM	4008321981554	white	3000 K	4x1
LEDVANCE® DOWNLIGHT L WT 830 L100 DIM	4008321981561	white	3000 K	4x1
LEDVANCE® DOWNLIGHT L WT 840 L60 DIM	4008321981578	white	4000 K	4x1
LEDVANCE® DOWNLIGHT L WT 840 L100 DIM	4008321981585	white	4000 K	4x1

Accessories:

Product reference	Product number (EAN 10)	Color		SU
LEDVANCE® DOWNLIGHT L RING AL	4008321968791	anodized aluminium		4x1

LEDVANCE[®] Downlight L DIM



AL	anodized aluminium
WT	white
830	CRI >90, warm white 3000 K
840	CRI >85, cool white 4000 K
L100	100° beam angle
L60	60° beam angle