

LED COMFO® Downlight SLIM ROUND

Datasheet



IP20

LED COMFO® Downlight SLIM ROUND is extremely thin recessed luminaire with only 13mm thickness that easily fits into limited installation spaces for commercial areas and offices. Available size from 4" to 8", LED COMFO® Downlight SLIM ROUND can easily replace existing CFL downlight using the same cut-out. The LED luminaire has a long lifetime up to 30,000 hours with energy saving.

Benefits

Slim design fits into limited installation spaces

- 13mm thickness
- Independent LED driver

Comfort and consistent light from side-lit design

- Side-lit with diffuser design provides even lighting distribution
- Highly consistent color temperature

Long Lifetime, minor degradation

- 30,000 hours lifetime, more than 6 years on average if turning on 13.6 hours per day
- Quality LED that alleviates light degradation during lifetime

Applications

- Commercial buildings
- Offices
- Supermarkets

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Technical Data

Optical Specifications

	4"	5"	6"	8"
Luminous Flux	442 lm	605 lm	1021 lm	1508 lm
Efficacy	74 lm/W	67 lm/W	85 lm/W	84 lm/W
CCT	3000K, 4000K, 6500K			
CRI	80			
SDCM	5			
Beam Angle	110°			

Electrical and Mechanical Specifications

Input Voltage	220-240V AC 50/60Hz				
Power Consumption	6W	9W	12W	18W	
Power Factor	0.5				
Surge Protection	Line-to-line 1KV				
Dimensions	Diameter	120mm	140mm	170mm	225mm
	Height	13mm	13mm	13mm	13mm
Weight	0.15kg	0.19kg	0.26kg	0.42kg	
Cover Lens	PC diffuser				
Housing	Aluminium housing, white (RAL9003)				

System Specifications

Power	AC line			
Dimmable	ON/OFF only			
Installation	Recessed mounting			
Mounting Hole	105mm	120mm	150mm	200mm
Operating Temperature	-20°C to +40°C			
Storage Temperature	-30°C to +80°C			
Environment	Indoor (IP20)			
Lumen Maintenance	L70 @25°C - 30,000hrs			
Safety Approval	Electrical Protection Class II, CB, CCC, TISI, RoHS			

Due to the special conditions of manufacturing process of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from typical data.

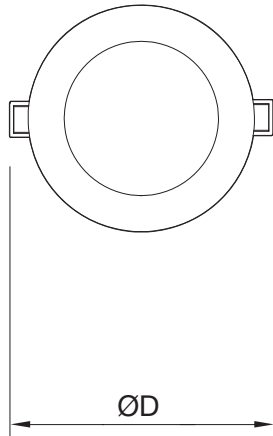
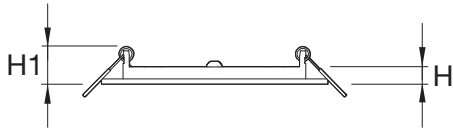
Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.

Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

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Dimensions



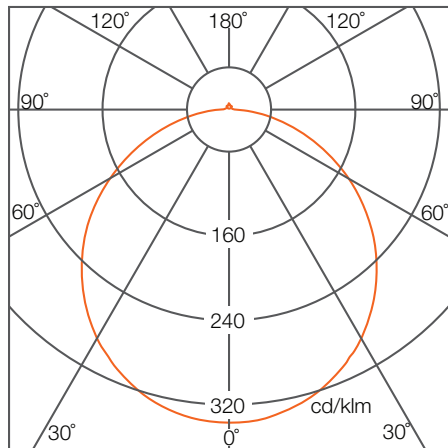
Dimensions

	4"	5"	6"	8"
ØD	120mm	140mm	170mm	225mm
H	13mm	13mm	13mm	13mm
H1	23mm	23mm	23mm	23mm

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Photometrics

Light Distribution Curve



Illuminance at a distance

	Center Beam Lux/klm	Beam Width
0.5m	1371	1.49m
1m	343	2.98m
1.5m	152	4.46m
2m	86	5.95m
2.5m	55	7.44m
3m	38	8.93m

For feet multiply by 3.28

● Spread: 112.2°
For fc divide by 10.7

Due to the manufacturing processes of LED, the polar candela distribution and distance luminaries only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

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Ordering Codes

Fixture

Short Text	Diameter	Power	CCT	Material	EAN10	EAN40
LED COMFO DL SLIM ROUND 406 830 30X1 OSRAM	4"	6W	3000K	AM059940055	4052899510012	4052899510029
LED COMFO DL SLIM ROUND 406 840 30X1 OSRAM	4"	6W	4000K	AM059920055	4052899510036	4052899510043
LED COMFO DL SLIM ROUND 406 865 30X1 OSRAM	4"	6W	6500K	AM059930055	4052899510067	4052899510074
LED COMFO DL SLIM ROUND 509 830 30X1 OSRAM	5"	9W	3000K	AM059990055	4052899510081	4052899510098
LED COMFO DL SLIM ROUND 509 840 30X1 OSRAM	5"	9W	4000K	AM059950055	4052899510104	4052899510111
LED COMFO DL SLIM ROUND 509 865 30X1 OSRAM	5"	9W	6500K	AM059960055	4052899510128	4052899510135
LED COMFO DL SLIM ROUND 612 830 30X1 OSRAM	6"	12W	3000K	AM059970055	4052899510142	4052899510159
LED COMFO DL SLIM ROUND 612 840 30X1 OSRAM	6"	12W	4000K	AM060020055	4052899510166	4052899510173
LED COMFO DL SLIM ROUND 612 865 30X1 OSRAM	6"	12W	6500K	AM059980055	4052899510180	4052899510197
LED COMFO DL SLIM ROUND 818 830 20X1 OSRAM	8"	18W	3000K	AM060000055	4052899510203	4052899510210
LED COMFO DL SLIM ROUND 818 840 20X1 OSRAM	8"	18W	4000K	AM060010055	4052899510227	4052899510234
LED COMFO DL SLIM ROUND 818 865 20X1 OSRAM	8"	18W	6500K	AM060030055	4052899510258	4052899510265