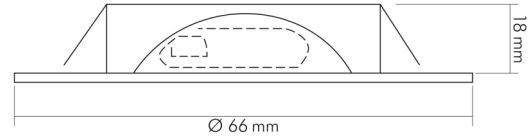


# DATA SHEET

## N 5020 COB LED black 3.3W warm white

Recessed LED Downlight for furniture use, COB LED



Article number	1850208418
GTIN	4044538045580



### ENERGY CONSUMPTION LABELING

Energy efficiency class	G
Part number of the light source	1850208418
EPREL-Registration number	947017

### TECHNICAL LIGHTING SPECIFICATIONS

Light cone	Extreme wide beam >80°
Type of light source	DLS/NMLS
Non-directional [NDLS] or directional [DLS]	DLS
Colour temperature	3000 K
Colour of light	warm white
LED efficiency	40 lm/W
Total luminous flux	190 lm
Useful luminous flux [ $\Phi_{use}$ ]	120 lm
Useful luminous flux [ $\Phi_{use}$ ] related to	Narrow cone (90°)
Beam angle	86°
Colour consistency [MacAdam]	3 SDCM
Colour rendering index Ra	95
Colour rendering index R9	78
Chromaticity coordinates [x]	0.44
Chromaticity coordinates [y]	0.403
Fit for monitor workplace acc. EN 12464-1	no
Peak luminous intensity	94 cd



Product warranty does not cover the natural wear and tear due to usage, especially the degradation of the LEDs even when these are already incorporated into the product at the time of delivery. Information on the average service lifetime and light colours are to be used as reference only, these are non-binding and should not be used as ground for quality agreement. Technical and design changes due to product developments are subject to change without prior notice. nobile AG - Wächtersbacher Str. 78 - 60386 Frankfurt/M. Germany - www.nobile.de

State:  
07.11.2023  
04:00:00

# DATA SHEET

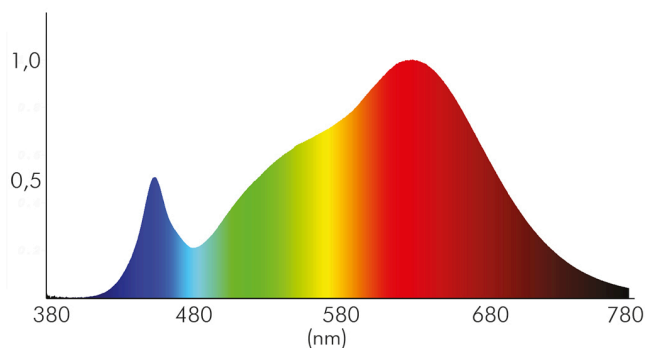
## N 5020 COB LED black 3.3W warm white

Recessed LED Downlight for furniture use, COB LED



L80B10 - life time at 25 °C	50000 h
L70B50 - life time at 25°C	50000 h
Rated lifetime factor	0.9
Lumen maintenance factor	0.96
Lighting Technology used	LED
Colour controllable (RGB)	no
Anti-glare shield	no
Envelope	no envelope
Colour-tuneable light source	no
Light source replaceable	no
High luminance light source	no
Light sharing	symmetric
Light outlet	indirect
Lamp type	COB LED
Suitable for number of lamps	1
Minimum distance per luminaire	0.05 m

Spectral power distribution (250..800 nm) - diagram



### ELECTRICAL SPECIFICATIONS

Mains light source [MLS] or non-mains light source [NMLS]	NMLS
Type of LED driver	LED driver
Energy consumption during operation	3 kWh/1000 h
Lamp power	3.3 W
Connected Light Source	no
Constant current	350 mA
Power consumption at Stand-by mode [Psb]	0 W



Product warranty does not cover the natural wear and tear due to usage, especially the degradation of the LEDs even when these are already incorporated into the product at the time of delivery. Information on the average service lifetime and light colours are to be used as reference only, these are non-binding and should not be used as ground for quality agreement. Technical and design changes due to product developments are subject to change without prior notice. nobile AG - Wächtersbacher Str. 78 - 60386 Frankfurt/M. Germany - [www.nobile.de](http://www.nobile.de)

State:  
07.11.2023  
04:00:00

# DATA SHEET

## N 5020 COB LED black 3.3W warm white

Recessed LED Downlight for furniture use, COB LED



Lamp holder	without
Type of connection [luminaire]	AMP plug-system 2-pole
Dimmable	yes
Type of dimming	Led driver dependent
Length of cable	30 cm
Through-wiring possible	no
Electrical connection with connector system	yes

### PROTECTION SPECIFICATIONS

Covering of the luminaire with thermally insulating material possible	no
CE-Conformity	yes
RoHS	yes
Protection class	III
Degree of protection	IP20
Impact strength	IK00
Thermal insulation mark	yes
Installation, electrical engineering expertise	yes
Only for indoor use	yes
Furniture installation, fire protection "MM"	yes
Installation in insulated ceilings, fire protection "F with roof"	no
Note	ensure constant convection and do not cover by insulation material

### TEMPERATURE SPECIFICATIONS

Ambient temperature [Ta]	0 - 25 °C
--------------------------	-----------

### DIMENSIONS AND WEIGHT

Length	66 mm
Width	66 mm
Diameter	66 mm
Height	18 mm
Weight	46 g
Ceiling cut-out [diameter]	58 mm
Built-in depth	18 mm

### MATERIAL AND COLOUR

Reflector colour	silver
Front glass	glass satined
Material	steel/synthetic material/glass
Colour	black
Surface finishing	painted

### OTHER SPECIFICATIONS



Product warranty does not cover the natural wear and tear due to usage, especially the degradation of the LEDs even when these are already incorporated into the product at the time of delivery. Information on the average service lifetime and light colours are to be used as reference only, these are non-binding and should not be used as ground for quality agreement. Technical and design changes due to product developments are subject to change without prior notice. nobile AG - Wächtersbacher Str. 78 - 60386 Frankfurt/M. Germany - [www.nobile.de](http://www.nobile.de)

State:  
07.11.2023  
04:00:00

# DATA SHEET

## N 5020 COB LED black 3.3W warm white

Recessed LED Downlight for furniture use, COB LED



Adjustability	Not adjustable
Type of luminaire	recessed luminaire
Mounting method	recessed-mounted
Suitable for general lighting	yes
Suitable for recessed wall installation	no
Suitable for wall mounting	no
Kind of disposal at the end of the life time	specific collection points, please consider the local regulations
Reflector	Aluminum reflector
Suitable for lighting accessories	no

### PRODUCT CONTENTS

With light source	yes
Including LED driver	no



Product warranty does not cover the natural wear and tear due to usage, especially the degradation of the LEDs even when these are already incorporated into the product at the time of delivery. Information on the average service lifetime and light colours are to be used as reference only, these are non-binding and should not be used as ground for quality agreement. Technical and design changes due to product developments are subject to change without prior notice. nobile AG - Wächtersbacher Str. 78 - 60386 Frankfurt/M. Germany - [www.nobile.de](http://www.nobile.de)

State:  
07.11.2023  
04:00:00