



# Maxos LED Recessed – always spot on

## Maxos LED, recessed

Maxos LED Recessed is a semi-modular recessed LED luminaire for shelf and gondola lighting. Thanks to its adjustable optic (except the RC310B), the light can be aimed precisely at the products on the shelves or at signage. The dedicated beam shape results in maximum visibility of the merchandise on display and less spill light. The individual LEDs are shielded by anti-glare optics, thus ensuring visual comfort and creating an innovative 'light line' appearance. The luminaire's astonishing system efficiency, combined with its maintenance-free operation and absence of hazardous materials, make it a truly green product. Maxos LED Recessed fits any shop floor layout. No additional ceiling profile is required: the ceiling tile can be laid directly on the flat luminaire rim, reducing installation time and material usage.

### Benefits

- Maximum visibility of merchandise
- Energy savings
- Easy installation, no hazardous materials, and no maintenance

### Features

- Highly efficient LED light engine
- Advanced optical system
- System efficiency above 79 lm/W
- 50,000 hours lifetime
- Plug-and-play electrical connection (e.g. Wieland)

### Application

- Shops and supermarkets
- Petrol stations
- Warehouses

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## Specifications

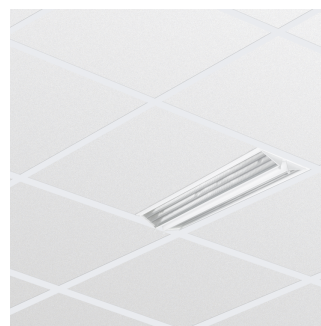
Type	RC300B (single- and double beam versions)
Ceiling type	Exposed- and symmetrical concealed T-bar ceiling Bandraster ceiling
Ceiling grid	Module size in length: 600 mm Module size in length: 312.5 and 625 mm
Light source	Non-replaceable LED module
Power	16.3 W (single beam) 26 W (double beam)
Beam angle	Tilttable in steps of 5° (max 40°) 1x20 degree beam for single beam versions, tilttable in steps of 5 degree (max 40 degree)
Luminous flux	1290 lm (4000 K) 2 x 1120 lm (4000 K)
Correlated Color Temperature	4000 K
Color Rendering Index	> 80
Median useful life L70B50	70,000 hours

Median useful life L80B50	50,000 hours
Median useful life L90B50	25,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	+25 °C
Operating temperature range	10°C < T
Driver	Built-in
Mains voltage	230 or 240 V / 50-60 Hz
Material	Housing: steel, powder coated Optic: aluminum Optical cover: PMMA
Color	Housing: white (RAL 9016)
Connection	Wieland connector GST 18, 3 or 4 poles (W)
Maintenance	No internal cleaning required
Installation	Individual; lay-in in exposed ceiling grids Through-wiring not possible

## Versions



Maxos LED Recessed RC300B/  
RC310B, adjustable narrow single  
beam, 600 mm length



Maxos LED Recessed RC300B/  
RC310B, adjustable narrow double  
beam, 600 mm length



Maxos LED Recessed RC302B/  
RC312B, adjustable narrow single  
beam, 625 mm length

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Product details

Panel turned fully out



Panel in starting position



Panel turned 30° outside the luminaire



Connector on the back



Maxos LED Recessed RC300B, 600 mm length



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### Application Conditions

Ambient temperature range	+10 to +40 °C
Average ambient temperature	25 °C
Suitable for random switching	No

### Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP40

### Controls and Dimming

Dimmable	No
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### Operating and Electrical

Input Voltage	220-240 V
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### General Information

CE mark	CE mark
Protection class IEC	Safety class I
Optical cover/lens type	Polymethyl methacrylate bowl/cover
Driver included	Yes
ENEC mark	ENEC plus mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Optic type	-

### Initial Performance (IEC Compliant)

Init. Color Rendering Index	≥80
Luminous flux tolerance	+/-10%

### Mechanical and Housing

Color	White
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### Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

### General Information (1/2)

Order Code	Full Product Name	Cap-Base	Lamp family code	Number of light sources	Product Family Code
910501968403	RC300B 1xLED10S/840 PSU W	-	LED10S	1 pc	RC300B
910501968603	RC300B 2xLED10S/840 PSU W	-	LED10S	2 pcs	RC300B
910502007603	RC302B 1xLED20S/830 PSU PIP	-	LED20S	1 pc	RC302B

### General Information (2/2)

Order Code	Full Product Name	UL mark	Order Code	Full Product Name	UL mark
910501968403	RC300B 1xLED10S/840 PSU W	-	910502007603	RC302B 1xLED20S/830 PSU PIP	-
910501968603	RC300B 2xLED10S/840 PSU W	-			

### Initial Performance (IEC Compliant) (1/2)

## Maxos LED, recessed

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910501968403	RC300B 1xLED10S/840 PSU W	(0.38, 0.38) SDCM <3	4000 K	110 lm/W	1300 lm
910501968603	RC300B 2xLED10S/840 PSU W	(0.38, 0.38) SDCM <3	4000 K	120 lm/W	2500 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910502007603	RC302B 1xLED20S/830 PSU PIP	(0.43, 0.40) SDCM <3	3000 K	133 lm/W	2300 lm

### Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial Input power
910501968403	RC300B 1xLED10S/840 PSU W	11.8 W
910501968603	RC300B 2xLED10S/840 PSU W	21.5 W

Order Code	Full Product Name	Initial Input power
910502007603	RC302B 1xLED20S/830 PSU PIP	18.8 W

