



ArcForm – a new dimension in LED lighting

ArcForm

More and more customers are looking for lighting solutions that support the architecture of the building and the types of activity taking place in certain zones. A luminaire with soft light and a gentle appearance is perfect for those places where additional quality of light adds value. With the cleanly designed ArcForm, the optical system using MesoOptics technology creates soft, comfortable lighting, with a full luminous surface. The luminaire's wide beam shape means that the light distribution is uniform throughout the entire space, rather than directional. And the LED boards and optics offer significant energy savings compared to a similar conventional solution.

Benefits

- Creates pleasant spaces that are well lit in a soft and gentle way
- When looking directly into the luminaire, the light is not glaring or uncomfortable
- Offers immediate savings of over 50% on energy cost compared to a similar conventional solution

Features

- Optical system using MesoOptics technology
- Wide beam shape, uniform light distribution
- LED boards and optics
- Design is clean, crisp and free of clutter

Application

- General lighting

Specifications

Type	RC660B
Ceiling type	Exposed T-bar ceiling
Ceiling grid	Module size in length: 600 mm
Light source	Philips Fortimo LED Line 1R
Power (+/-10%)	LED36S version: 37 W LED44S version: 46 W
Beam angle	114°
Luminous flux	LED36S version: 3600 lm LED44S version: 4400 lm
Correlated Color Temperature	3000 or 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 to +40 °C
Driver	Built-in
Mains voltage	230 or 240 V / 50-60 Hz
Dimming	DALI-dimmable
Material	Housing: zinc-coated steel
Color	White
Optic	MESO optic (MO)
Connection	Wieland connector GST 18, 3 or 4 poles (W) Push-in connector (PI)
Installation	Individual; lay-in in exposed ceiling grids No through-wiring possible

Versions



ArcForm RC660B recessed luminaire

Product details



Wieland connector



Push-in connector

Application Conditions

Ambient temperature range	+10 to +40 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP40

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	MO-PC
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	850/5
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	No
Product Family Code	RC660B

Initial Performance (IEC Compliant)

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

Mechanical and Housing

Color	White
Geometry	W60L60

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

Order Code	Full Product Name	Lamp family code	UL mark
27382000	RC660B LED44S/840 PSD W60L60 MO-PC W	LED44S	-
27383700	RC660B LED35S/840 PSD W60L60 MO-PC W	LED35S	-
27384400	RC660B LED44S/840 PSD W60L60 MO-PC PI	LED44S	-
27385100	RC660B LED35S/840 PSD W60L60 MO-PC PI	LED36S	-
27386800	RC660B LED44S/830 PSD W60L60 MO-PC W	LED44S	-
27387500	RC660B LED35S/830 PSD W60L60 MO-PC W	LED36S	-
27388200	RC660B LED44S/830 PSD W60L60 MO-PC PI	LED44S	-
27389900	RC660B LED35S/830 PSD W60L60 MO-PC PI	LED36S	-

Initial Performance (IEC Compliant) (1/2)

Order Code	Initial Full Product Name	Init. Chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
27382000	RC660B LED44S/840 PSD W60L60 MO-PC W	(0.38, 0.38) SDCM <3	4000 K	122 lm/W	4400 lm

Order Code	Initial Full Product Name	Init. Chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
27383700	RC660B LED35S/840 PSD W60L60 MO-PC W	(0.38, 0.38) SDCM <3	4000 K	125 lm/W	3500 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
27384400	RC660B LED44S/840 PSD W60L60 MO-PC PI	(0.38, 0.38) SDCM <3	4000 K	122 lm/W	4400 lm
27385100	RC660B LED35S/840 PSD W60L60 MO-PC PI	(0.38, 0.38) SDCM <3	4000 K	125 lm/W	3500 lm
27386800	RC660B LED44S/830 PSD W60L60 MO-PC W	(0.43, 0.43) SDCM <3	3000 K	116 lm/W	4400 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
27382000	RC660B LED44S/840 PSD W60L60 MO-PC W	36 W
27383700	RC660B LED35S/840 PSD W60L60 MO-PC W	28 W
27384400	RC660B LED44S/840 PSD W60L60 MO-PC PI	36 W
27385100	RC660B LED35S/840 PSD W60L60 MO-PC PI	28 W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
27387500	RC660B LED35S/830 PSD W60L60 MO-PC W	(0.43, 0.43) SDCM <3	3000 K	117 lm/W	3500 lm
27388200	RC660B LED44S/830 PSD W60L60 MO-PC PI	(0.43, 0.43) SDCM <3	3000 K	116 lm/W	4400 lm
27389900	RC660B LED35S/830 PSD W60L60 MO-PC PI	(0.43, 0.43) SDCM <3	3000 K	117 lm/W	3500 lm

Order Code	Full Product Name	Initial input power
27386800	RC660B LED44S/830 PSD W60L60 MO-PC W	38 W
27387500	RC660B LED35S/830 PSD W60L60 MO-PC W	30 W
27388200	RC660B LED44S/830 PSD W60L60 MO-PC PI	38 W
27389900	RC660B LED35S/830 PSD W60L60 MO-PC PI	30 W

