



AJ EKLIPTA LED

MUNKEGAARD LED

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Design: Arne Jacobsen



ARNE JACOBSEN

Arne Jacobsen was born and raised in Copenhagen. In 1927, he graduated as an architect from the Royal Danish Academy of Fine Arts in Copenhagen. After graduating, he obtained his first job at the office of the City Architect of Copenhagen. He launched his own practice only two years later.

A world famous Danish modernistic architect, Jacobsen's buildings are numerous in Denmark, Germany, and the United Kingdom. Among his more famous projects are the National Bank in Copenhagen (1971), SAS Royal Hotel & Terminal, Copenhagen (1960) and St. Catherine's College in Oxford, UK (1963).

As an architect, Jacobsen had very strong decision making skills, making it possible for him to influence not only the design of the building itself, but the majority of its details. Over the years, he ventured into various fields related to his work such as luminaires, furniture, cutlery, door handles, sanitary fixtures, fabrics and wallpaper patterns. "The Egg" and "The Swan" are two famous chairs designed by Jacobsen. During his lifetime, he received several prestigious awards both at home and abroad.



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AJ EKLIPTA

AJ Eklipta was designed by Arne Jacobsen in 1959 for Rødovre Town Hall. Jacobsen originally designed the light in two sizes: Ø 13.7" and Ø 17.7", and later developed Ø 8.7" (a smaller version) for St. Catherine's College in Oxford.

AJ Eklipta is an ultraminimalist product that features a unique lighting concept. The clear glass edge that surrounds the fixture evokes a halo around the opalized surface when the light is both on and off. It is a beautiful, spectacular touch that clearly demonstrates Jacobsen's keen eye for even the smallest detail.



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The light concept is centered on diffuse, 100% glare-free light. This is achieved by opalizing the glass, and together with its thickness and distance from the light source, the surface appears evenly lit. Moreover, the arched shape of the glass provides a graded light reveal that emphasizes the outline of the fixture.

Irrespective of the light source, the goal has always been to create the most uniform surface possible without major differences in luminance. The fixture body creates a distance from the wall and allows lighting of the mounting surface, thus forming a halolike effect around the fixture.

Ø 8.7"

Ø 13.7"

Ø 17.7"

KPI

Fixture body

The Ø 8.7" fixture body acts as a heat sink and creates distance to the wall surface.



- easy to fit
- easy access to technical parts

LED board

Specially designed for each size.
Ø 13.7" / Ø 17.7":
3000K/4000K
Ø 8.7": 3000K



- optimal light distribution
- optimized for each size
- easy to install and maintain the LED board and driver
- long service life:
(Ø 13.7" / Ø 17.7")
50,000 hour LED/Driver
(Ø 8.7")
40,000 hour LED/Driver

Diffuser

Mouth blown three layer glass, opalized



- opalization guards against glare
- three-layer glass composition
- uniform construction of the glass surface with smooth transitions in luminance

LIGHT TECHNOLOGY

AJ Eklipta emits a soft, diffuse light. The opalized white glass dome generates pleasant lighting that appears to flow evenly across the wall. The size of the shade “overshadows” the fixture body (you have to stand very close to see it at all). In addition to making the AJ Eklipta easy to install, this helps generate an apparent weightlessness in the design perception of the fixture.

The dimensions of the fixture body also make it possible to utilize the back light from the glass shade, imbuing AJ Eklipta with an ephemeral lightness regardless of its size.

It has always been imperative to reduce overbearing spots of luminance on the surface of the glass as much as possible. The sharp light generated by LED units and

their pattern on the board created a significant challenge for our lighting technicians. To overcome this problem, our technicians designed a completely new LED board, and the result outshines all previous solutions.

Our technicians have succeeded in achieving a continuous and softly graduated distribution across the mouth-blown glass disc. The clear edge stands out more distinctly now than ever before.

All LED boards for the AJ Eklipta models have been specifically designed for the respective sizes.





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MAXIMIZED MINIMALISM

The AJ Eklipta is designed to fit over wall sockets or outlets. The light is simple to install and the process only involves three steps:

1. Position the fixture body over the wall socket or outlet.
2. Insert the LED board.
3. Fit the AJ Eklipta glass diffuser by tightening the three adjuster screws on the fixture body.

The LED board is available in 3000K or 4000K versions for Ø 13.7" and Ø 17.7" models, while the Ø 8.7" model is supplied with a 3000K version. All are seamlessly dimmable. All versions have an Ra index of >80.

The AJ Eklipta is available in multiple sizes and can be installed in a variety of ways, from tight patterns to "total disorder." As such, the fixture can be used to create an exciting, individual light wall for enhancing both function and atmosphere. The glare-free light ensures an attractive and pleasant sense of space.



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AJ Eklipta LED

Design: Arne Jacobsen

Concept: The fixture emits soft, diffuse light. The glass is designed to provide a uniformly lit surface. The mouth-blown opal glass shade has a clear edge, ensuring a distinct delineation of the fixture. The fixture also illuminates the mounting surface with a decorative backlight.

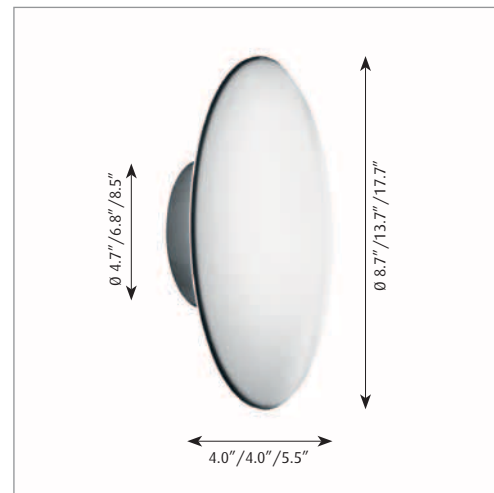
Finish: White, powder coated. White opal glass.

Material: Rear housing: Spun or die cast aluminum. Shade: Mouth-blown white opal glass.

Mounting: Surface: Mounted directly to finished surface over a recessed 4" octagonal junction box.

Weight: Max. 6 lbs.

Label: cULus, Damp location, IBEW.



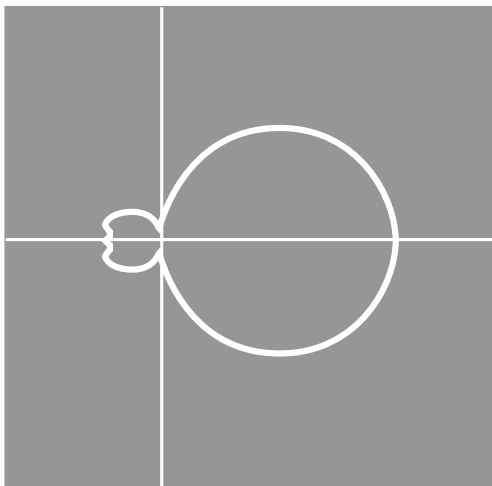
Product code	Dimension	Light source	Voltage	Finish	Diff./Encl./Glass	Mounting	Options
AJE	Ø 8.7" Ø 13.7" Ø 17.7"	10W LED/3000K 12W LED/3000K 12W LED/4000K 28W LED/3000K 28W LED/4000K	120-277V	WHT	WHITE OPAL	WALL & CEILING	DIMMING N/A

Specification notes:

- a. 8.7" variant only available in 10W LED.
- b. 13.7" variant available in 12W LED.
- c. 17.7" variant available in 28W LED.
- d. LED variants provided with one 120-277V dimmable electronic driver.

Info notes:

- I. The comparable EU version has the following classification: Ingress Protection Code: IP44.
- II. LED technology is rapidly changing. Specifications are based on present technology. For most up to date specifications see www.louispoulsen.com.

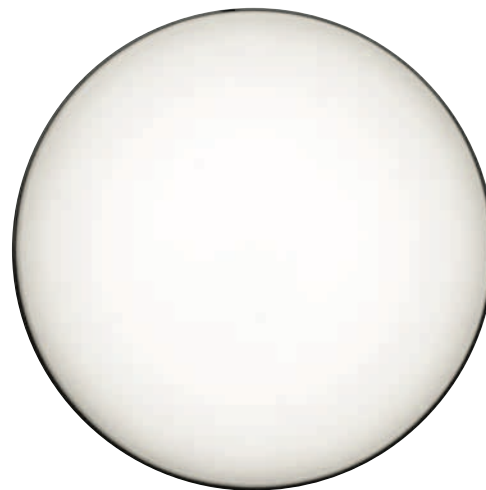


Facts	8.7"	13.7"	17.7"
System power:	10	12	28
Lm package 4000K:	500*	700	1650
Lm/W:	50	58	59
CRI:	>80	>80	>80
SDCM:	3	3	3
Dimming info:	Phase dim.	0-10V	0-10V

See the website for the latest light source data.

* The AJ Eklipsta Ø 8.7" is supplied with 3000K.

The lumen package is the same for both color temperatures.



Key features:

100% glare free • Diffuse, pleasant light distribution • Broad, uniform light distribution across glass surface • Energy-efficient LED light source • Several color temperatures • Long service life on light source • Minimum maintenance • Dimmable • Installation socket creates a visually decorative distance between the glass shade and mounting surface • Clear glass edge forms a decorative delineation of the product • Well suited to repetitive installations • Long design durability • Architectural adaptability • Available in several sizes • Great flexibility in uniform lighting idiom



MUNKEGAARD

Designed exclusively for Denmark's Munkegaard School in 1955, this fixture fast became a designer's choice. Because of its versatility and unique effect, today, Munkegaard is seen throughout a wide range of applications, from residences to universities.

Munkegaard is a design icon. The ideas behind the fixture and its presence in the room are so special that it is possible to talk of product design without any kind of architectural or cultural limitations.

Munkegaard is a carefully designed lighting fixture with regard to both its design idiom and its lighting concept. The open slots close to the ceiling surface and the trumpet-shaped reflector direct light outward to form a ring around the fixture. This serves two purposes: it reduces the luminance transition and it pulls the ceiling surface around the fixtures into the dimensions of the room.

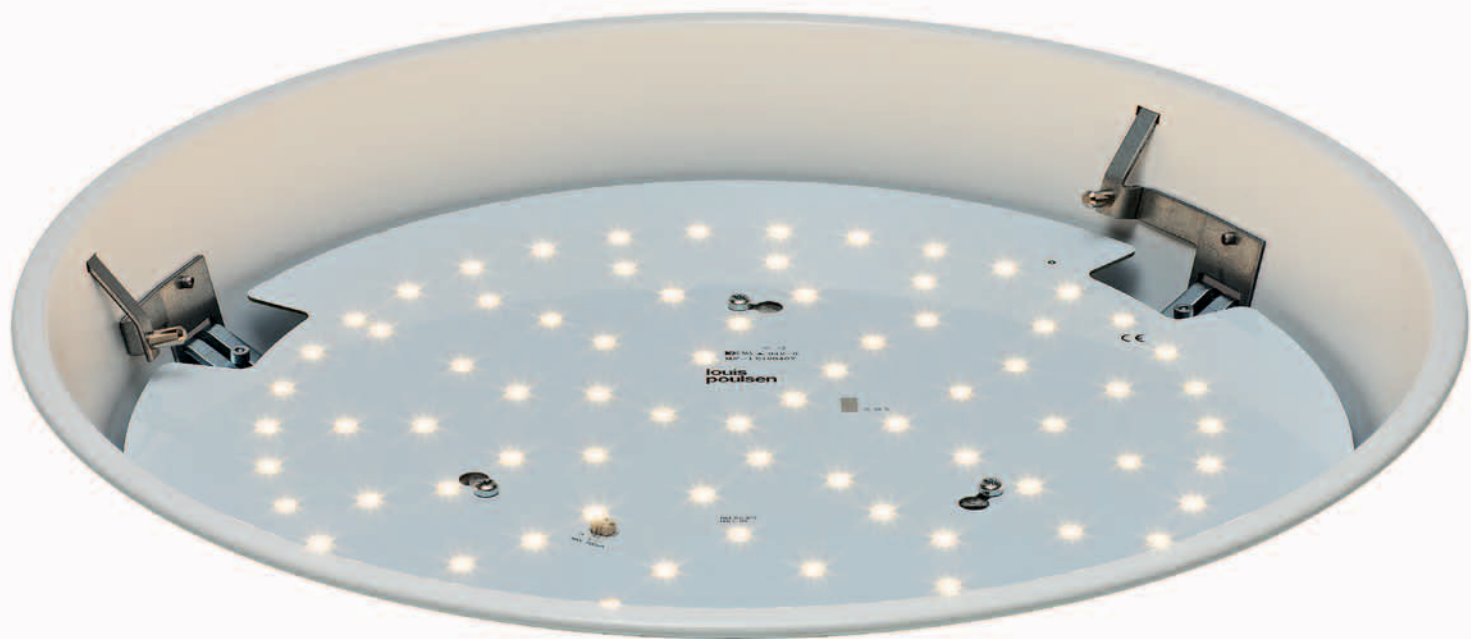
That is why the challenges of an LED conversion of the Munkegaard fixture have always been centered on retaining the original lighting concept—otherwise, it would not be a true Munkegaard, merely an illuminated ring on the ceiling.







She She, Palm Desert, USA. A: H. Hendy Associates P: Lawrence Anderson Photography.



LIGHT TECHNOLOGY

– INCREASED COMFORT & EFFICIENCY

Munkegaard emits a gentle, diffuse, downward light through a newly designed diffuser. It is built according to the two-layer principle: a clear, toughened glass disc below and an opalized acrylic disc above. This composition retains a pleasant light emission.

The challenge has always been to ensure a uniform surface on the fixture so as to avoid strong points of luminance, while allowing the fixture to blend seamlessly into the ceiling surface without creating extra points. The new design has solved this problem, thus making more efficient use of the LEDs.

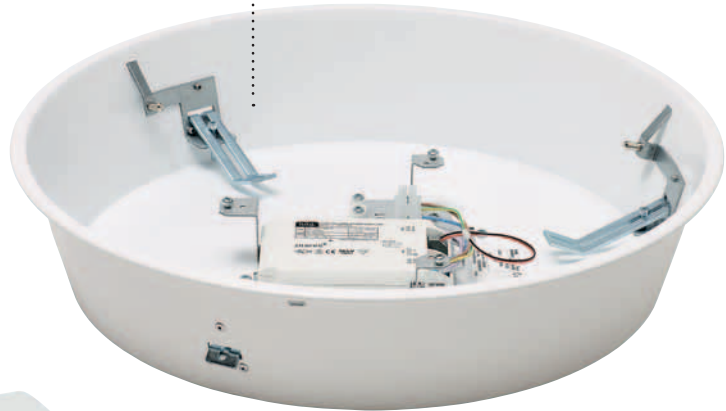
The LEDs themselves are powerful points of light, so the challenge is to ensure the necessary volume of light to illuminate the room while simultaneously avoiding a “spotty” surface. Louis Poulsen has developed a special pattern of LEDs with sufficient distance from the diffusing acrylic disc and glass.

Each LED board is specifically designed for each size, and LEDs are individually positioned to ensure the best possible light quality.

This not only allows for optimal comfort and atmosphere, it also doubles the efficiency.

1. Fixture body

- easy to install
- easy to service



2. LED board 3000K/4000K

- easy to fit/replace
- optimized for each size



3. Diffuser, two-layer glass design

- emits light onto ceiling surface
- improved efficiency
- toughened glass



SIMPLE & CAREFULLY DESIGNED

There are no unnecessary parts. The Munkegaard LED is comprised of three main components:

1. Fixture body
2. LED board
3. Diffuser

The LED board is available in a 3000K and 4000K version. It is also dimmable. The service life of the LED board and driver is 50,000 hours.

This makes the Munkegaard an asset to any installation. Moreover, we have made it possible to reduce the recessing height of the Ø 10.4" model, neatly expanding the range of application options.

Munkegaard LED

Design: Arne Jacobsen

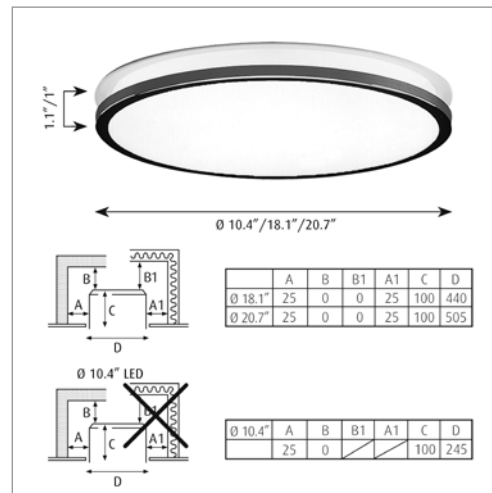
Concept: The fixture resembles a disc hovering just below the ceiling—an impression primarily created by the illuminated opening and the suspended placement of the fixture below the mounting surface. The two-layer glass shade ensures uniform, gently diffuse lighting. This fixture gives the room the illusion of extra height.

Finish: Bright chrome plated or satin chrome plated. Matte-white acrylic/strengthened clear glass.

Material: Shade: Two-layer matte white acrylic and strengthened glass. Edge ring: Bright chrome plated or satin chrome plated, brass.

Mounting: Connection: Ø 10.4"/18.1"/20.7"; Pre-wired flexible conduit. Ceiling thickness: Ø 10.4"/18.1"/20.7": 2" max. Cut-out dimensions: Ø 10.4": Ø 9.5"; Ø 18.1": Ø 17"; Ø 20.7": Ø 19.5".
Weight: Max. 19 lbs.

Label: cULus, damp location. IBEW.



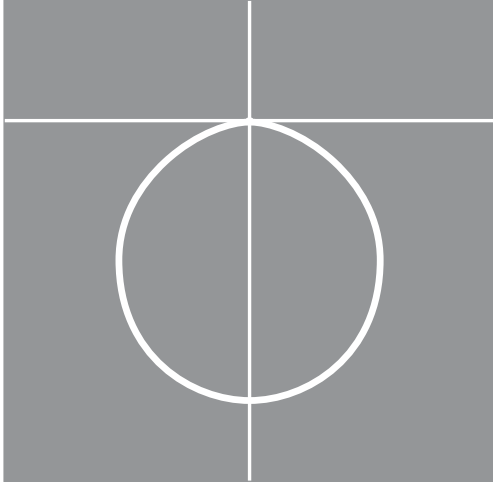
Product code	Dimension	Light source	Voltage	Finish	Diff./Encl./Glass	Options
MUNK	Ø 10.4" Ø 18.1" Ø 20.7"	15W LED/3000K 15W LED/4000K 31W LED/3000K 31W LED/4000K 45W LED/3000K 45W LED/4000K	120-277V	CHR SATIN CHR PLA	OPAL	DIMMING DALI ECO-SYSTEM

Specification notes:

- 10.4" variant available in 15W LED; 18.1" variant available in 31W LED; 20.7" variant available in 45W LED.
- LED variants provided with one integral 120-277V dimmable electronic driver.
- Dimming 0-10V, Lutron® Eco-System®, and Dali dimming only available on LED variants.
- All LED wattages are system power.

Info notes:

- 10.4" variant is provided with mounting frame and two brackets.
- 18.1" and 20.7" variants requires mounting frames (by others) and are only provided with three or four "L" brackets.
- The comparable EU version has the following classification: Ingress Protection Code: IP20.
- LED technology is rapidly changing. Specifications are based on present technology. For most up to date specifications see www.louispoulsen.com.



Facts	10.4"	18.1"	20.7
System power:	15	31	45
Lm package 4000K:	1025	2400	3500
Lm/W:	68	77	78
CRI:	>80	>80	>80
SDCM:	3	3	3
Dimming info:	1-10V/ LUTRON ECO	1-10V/DALI LUTRON ECO	1-10V/DALI

See the website for the latest light source data.



Key features:

100% glare free • Diffuse, pleasant light distribution • Uniformity of light distribution as the glass disc eliminates LED spotting • Energy-efficient LED light source • Two color temperatures: 3000K/4000K • Easy to replace LED light source • Minimalist design • Well-suited to repetitive installations • Highly durable design • Architectural adaptability • Available in several sizes • Flexibility in uniform lighting design idiom.



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www.louispoulsen.com