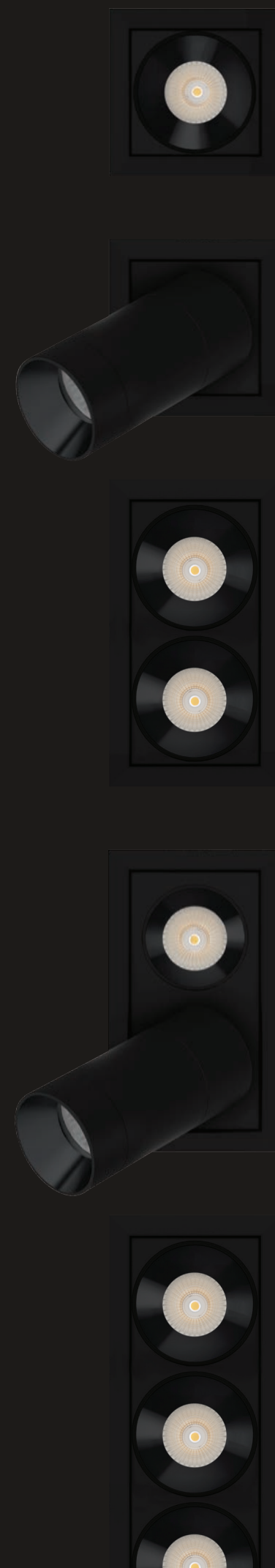


Full scale - Fixture dimension

sync5

RESIDENTIAL
COLLECTION



sync5

RESIDENTIAL COLLECTION

GLARE-LESS

Lighting fixtures designed to minimize their presence on the ceiling by reducing their size, and to enhance the illumination of objects and spaces. These fixtures reduce unpleasant glare and create a relaxing home environment.

BEAUTIFUL LIGHTING EFFECT

These lighting fixtures are designed with a focus on creating beautiful shapes of light. From Super-Narrow beams that sharply highlight objects such as artwork to wall washers that softly illuminate walls, the extensive lineup of lighting distributions complements interior design and creates a rich, varied ambiance rather than a monotonous one.

EASY MAINTAINANCE DESIGN

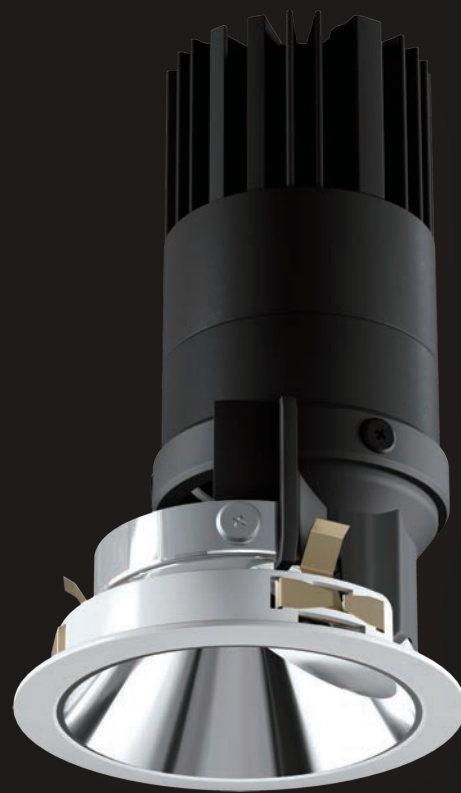
The series offers easy maintainability, ensuring the fixtures remain beautiful for a long time. We have incorporated features such as a detachable trim design to minimize ceiling damage during maintenance, and tool-less installation of accessories.

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FEATURED
PRODUCTS





MINI50 GLARE-LESS

Fixture diameter : 60

The MINI50 GLARE-LESS series is immensely popular in hotel and residential projects. With ten distribution options and three power ranges, they are suitable for any living space. The standard cone has a mirrored finish, which helps diffuse light off the surface and reduces fixture presence to an absolute minimum, creating a sophisticated ceiling appearance. We also offer other finishes, such as the black cone for a more dramatic aesthetic, and the white cone for a softer, more natural design. Find the perfect fit for your interior space.

300 / 500 / 700TYPE 6.5 / 10.2 / 14.2W

● 3000K CRI83	● 3000K CRI93	● 2700K CRI93
---------------	---------------	---------------

Glare Cut

35°

Fixed: Narrow 18° Middle 23° Wide 31° Super Wide 45°

Adjustable: Super Narrow 10° Narrow 18° Middle 21° Wide 26° Super Wide 34°



The MINI50 GLARE-LESS series is ideal for living rooms, where various types of lighting are often combined. It ensures ample illumination for gatherings while making the fixtures seemingly disappear from the ceiling. As a result, it enhances the effects of indirect and shelf lighting, and makes features like artworks stand out.

The Dual Head fixture is perfect for a long dining table. Adjust the lights to match the length of the table, ensuring even coverage across the entire tabletop. With a Wide beam, the light will illuminate not only the food on the table but also the faces of the seated guests.



MINI50 SQUARE

The MINI50 series offers a square frame variation, available in Single Head or Dual Head configurations with various finishing options. Both fixed and adjustable models are available, allowing you to mix specifications to suit your needs. Pairing two 14W units in a Dual Head configuration provides ample brightness for high-ceiling spaces.

300 / 500 / 700TYPE 6.5 / 10.2 / 14.2W
● 3000K CRI83 ● 3000K CRI93 ● 2700K CRI93
Fixed: ▲ Narrow 18° ▲ Middle 23° ▲ Wide 31° ▲ Super Wide 45°
Adjustable: ▼ Super Narrow 10° ▼ Narrow 18° ▼ Middle 21° ▼ Wide 26° ▼ Super Wide 34°



Fixture dimensions : 65x122

MINI50 PINHOLE

Fixture diameter: 60

The flagship MINI50 family is now offered in a pinhole variant. It features four types of light distributions, ranging from a sharp, Super-Narrow beam to a room filling Super-Wide beam, all emitted through a small $\Phi 25$ aperture hole. The hole has a 10mm raised edge that softly captures light, giving the fixture an elegant appearance. The adjustable, which can tilt 30°, has a 50° cut-off angle and allows for glare-free use even on high ceilings.

300 / 500 / 700TYPE 6.5 / 10.2 / 14.2W

● 3000K CRI83 ● 3000K CRI93 ● 2700K CRI93

Glare Cut
50°

*Fixed only 35°

\ Super Narrow 9° \ Middle 21° \ Wide 24° \ Super Wide 37° *Fixed only



Fixed



Adjustable

For a more private space like a bedroom, we recommend the pinhole downlights often seen in luxury hotels. The light emitted from the minimal aperture delivers a sense of warmth and relaxation. The Super-Narrow beam from the pinhole focuses only your immediately surroundings, making it perfect as a reading light.



MINI35

GLARE-LESS

Following in the footsteps of the MINI50 series, the MINI35 series offers GLARE-LESS experience in a compact package. Despite its size, the series boasts a 40° cut off angle and provides four beautiful beam angle variations. Serving as both Fixed and Adjustable, all fixtures include a 25° tilting angle and 355° rotation capability. Additionally, it incorporates thoughtful details such as the option to add a honeycomb louver.

250TYPE 5.6W

● 3000K CRI93 ● 2700K CRI93 ● 2400K CRI93

Glare Cut 40°

↘ Narrow 16° ↘ Middle 22° ↘ Wide 29° ↘ Super Wide 54°



Fixed / Adjustable



The MINI35 GLARE-LESS series is ideal for illuminating items like vase, sculptures, and painting above console tables. It helps objects elegantly stand out without drawing attention to the lighting fixtures themselves.



Black slits in the ceiling accents the ordinary beige-ish ceiling. The tabletop is evenly illuminated with a Wide beam distribution with precise focusing. The floor is softly illuminated with a Super-Wide distribution.



MINI35 SQUARE

Fixture dimensions : 47x117

The MINI35 SQUARE is an aesthetic variation of the MINI35 GLARE-LESS series. Its rugged and technical square design adds a distinctive accent to interior spaces. You can choose and combine all beam angle variations from the MINI35 GLARE-LESS series. This series also retains the adjustable design, allowing for various configurations of base and accent lighting all in a single fixture.

250TYPE 5.6W

● 3000K CRI93 ● 2700K CRI93 ● 2400K CRI93



↘ Narrow 16° ↘ Middle 22° ↘ Wide 29° ↘ Super Wide 54°



Single



Dual



Triple



MINI35 SHALLOW

Fixture diameter: 32

The MINI35 Shallow is another variation within the MINI35 family. We offer a wide selection of light distribution lineup, as well as the 20° tilting angle, while making the fixture even smaller. Available with two power ranges and honeycomb louver option for glare reduction, the MINI35 Shallow lives up to the reputation of other technical products from Endo.

150 / 250TYPE 3.1 / 5.6W

● 3000K CRI93 ● 2700K CRI93 ● 2400K CRI93

↙ Wide 29° ↗ Super Wide 57° ↖ Flood 68°



The precisely controlled light from the reflector is perfect for creating subtle accents for items displayed on places like wall shelves, niches, and minibars. In hotel guestrooms, it can even be used as a main light fixture.



MINI30 SPOTLIGHT

Fixture diameter : 29

Introducing our new, compact, and elegant MINI SPOTLIGHT series. The MINI30 SPOTLIGHT has a diameter of just 29mm. It's not only cute and small but also offers excellent glare control and lighting distribution. The series comes in both "zero-glare" gloss black and "soft-glow" matte black cone finishes, and also includes a honeycomb louver option for a sophisticated look. You are sure to find a suitable combination for your design.

250TYPE 5.6W

● 3000K CRI93 ● 2700K CRI93 ● 2400K CRI93

↖ Narrow 16° ↖ Middle 22° ↖ Wide 29° ↖ Super Wide 54°

Glare Cut
35°



Flange-mount

48V Track-mount

MINI40 SPOTLIGHT

Fixture diameter : 33

Designed with the same concept as the MINI30 SPOTLIGHT, the MINI40 SPOTLIGHT series packs more punch. The 700TYPE high-power range is more than capable of being used as base lighting.

500 / 700TYPE 10.2 / 14.2W

● 3000K CRI83 ● 3000K CRI93 ● 2700K CRI93

↖ Narrow 13° ↖ Middle 22° ↖ Wide 33° ↖ Super Wide 48°

Glare Cut
30°



Flange-mount

48V Track-mount



MINI30 PULLDOWN

Fixture diameter: 48

The MINI30 PULLDOWN is another variation of the MINI30 SPOTLIGHT series, featuring the same core aesthetics, beam angle lineup, and optional accessories. Also available in a Single-Head square trim, or Dual-Head square trim configuration, not only is this series aesthetically unique, but it also offers unparalleled flexibility.

250TYPE 5.6W

● 3000K CRI93 ● 2700K CRI93 ● 2400K CRI93



↖ Narrow 16° ↖ Middle 22° ↖ Wide 29° ↖ Super Wide 54°



Circular Pull-down



Square Pull-down Single / Dual



The Dual-Head MINI30 PULLDOWN can make an interesting addition to a foyer. If there is an object to illuminate, pull out the fixture and use it as a spotlight. If not, keep it recessed and use it as base lighting. A single fixture can not only provide different functions, but also allows flexibility to combine different beam angles as well.



Bathroom lighting shouldn't be compromised because of water protection requirements. Enjoy a luxurious bath experience with glare-free fixed downlights softly illuminating the bathtub, and adjustable downlights gently lighting the walls. For a more dramatic effect, consider using a narrower beam to create striking light and shadow contrasts.



MINI50 GLARE-LESS IP54

Fixture diameter : 60

With the MINI50 GLARE-LESS IP54, you can safely use them in bathrooms where water may potentially splash on the fixtures. These fixtures are nearly identical to the IP20 variants in both appearance and performance, allowing them to be used side-by-side without sticking out like a sore thumb.

500 / 700TYPE 10.2 / 14.2W

● 3000K CRI83 ● 3000K CRI93 ● 2700K CRI93



Fixed: ▲ Middle 23° ▲ Wide 31° ▲ Super Wide 44°

Adjustable: ▲ Narrow 18° ▲ Middle 21° ▲ Wide 26° ▲ Super Wide 36°



Fixed



Adjustable



MINI30 OUTDOOR SPOTLIGHT

Carrying the same DNA as the Indoor MINI30 SPOTLIGHT series, the brand new MINI30 OUTDOOR SPOTLIGHT offers the same beam angle lineup in an IP65-rated body. Powered by a 24V driver, the fixture is safe to touch and allows for the connection of around 5 to 15 fixtures in parallel. Like other models in the series, it includes glare-reducing options such as a honeycomb louver and hood. The initial release will feature a flange base and spike mount, with additional variations like the tree strap and multi-head low pole to be added in the future.

250TYPE 4.4W

● 3000K CRI93 ● 2700K CRI93

↘ Narrow 17° ↘ Middle 23° ↘ Wide 30° ↘ Super Wide 47°



Honeycomb Louver



Cut-Hood



Spike



A terrace should be glare-free and comfortable, allowing your family and loved ones to enjoy and relax. Carefully selected outdoor furniture and plants deserve elegant and compact lighting with low glare. Our 5W MINI30 OUTDOOR SPOTLIGHT is the perfect low-wattage companion for your outdoor lighting needs.



The extension spike, adjustable between 500-900mm, provides flexibility to adapt to changes in the landscape. This allows the fixture to illuminate tall trees while remaining concealed within short bushes.



Fixture diameter : 55

MINI50 OUTDOOR SPOTLIGHT

The MINI50 Outdoor Spotlight is a powerful 10W spotlight series ideal for illuminating trees. This series offers various beam options, including Narrow, Medium, Wide, and Super Wide. We provide a range of hood options to cater to different beam angles, including Cut-Hood, Long Hood, and Short Hood. To accommodate various installation needs, the series is available in Spike, Flange, EZ-Mount, Tree-Band, and height-adjustable Extension-Spike configurations.

- 600TYPE 10.1W
- 3000K CRI83 ● 2700K CRI93
- ↘ Narrow 14° ↘ Middle 23° ↘ Wide 29° ↘ Super Wide 42°



How to create different ambiance



Dramatic

Luxurious atmosphere like a 5-star hotel lobby with narrow beams highlighting sections of sofas and tables.

REFERENCE
CH: 3.2M
Pitch: 1.8M × 1.8M
Lux(FL+0.75M): Ave. 210lx
Max. 500lx / Min. 50lx

MINI50 GLARE-LESS
Adjustable
700TYPE 14.2W
3000K CRI83
Middle 21°



Flat

Evenly lit with a wide lighting distribution. Provides good visibility and is ideal for gathering, while maintaining a modern and glare-free aesthetic.

REFERENCE
CH: 3.2M
Pitch: 1.8M × 1.8M
Lux(FL+0.75M):
Ave. 230lx / Max. 250lx / Min. 150lx

MINI50 GLARE-LESS
Fixed

700TYPE 14.2W
3000K CRI83
Super Wide 45°



Soft

Similar to the flat style, but with a white cone. Creates an even softer ambiance, without drawing attention to the ceiling.

REFERENCE
CH: 3.2M
Pitch: 1.8M × 1.8M
Lux(FL+0.75M):
Ave. 230lx / Max. 250lx / Min. 150lx

MINI50 GLARE-LESS
Fixed

700TYPE 14.2W
3000K CRI83
Super Wide 45°



How to illuminate walls and artworks



WALLWASHER DOWNLIGHT

1:1 placement is key for the ideal effect. Illuminate both the artworks and the wall perfectly.

REFERENCE
CH: 3.2M
Offset: 0.7M / Pitch: 0.7M
Lux(Artworks): 120lx
Artworks: 1.2M×1.8M

MINI50 GLARE-LESS
Wallwasher
700TYPE 14.2W
3000K CRI83
Wallwasher



ADJUSTABLE DOWNLIGHT

Ensure the top corners are also illuminated. Slight floor illumination creates a nice accent.

REFERENCE
CH: 3.2M
Offset: 0.6M
Pitch: 0.6M
Lux(Artworks): 280lx
Artworks: 1.2M×1.8M

MINI50 GLARE-LESS
Adjustable
500TYPE 10.2W
3000K CRI83
Wide 26°



SPOTLIGHT

The distance from the wall is key. The most effective way to make artworks stand out.

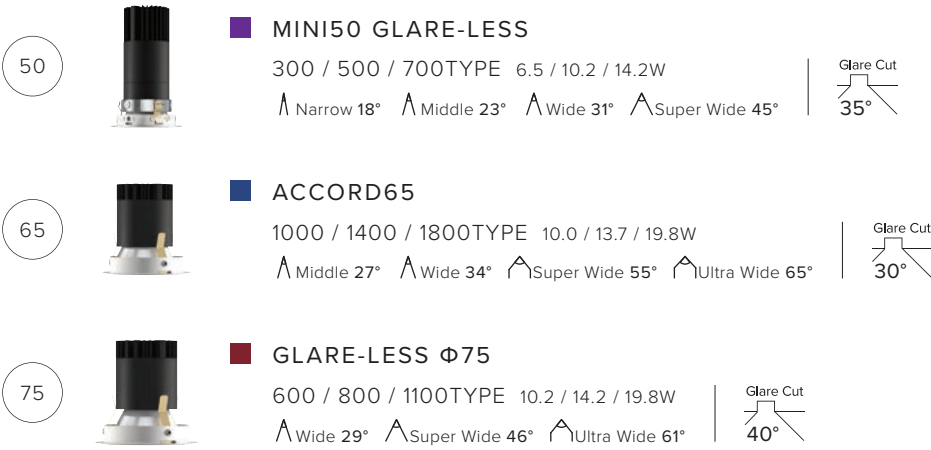
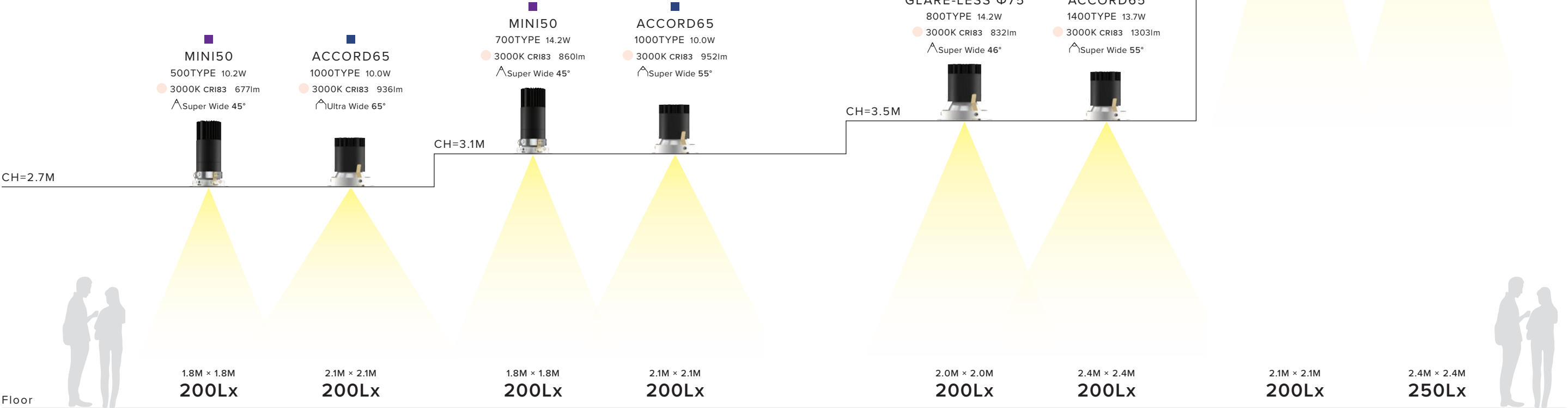
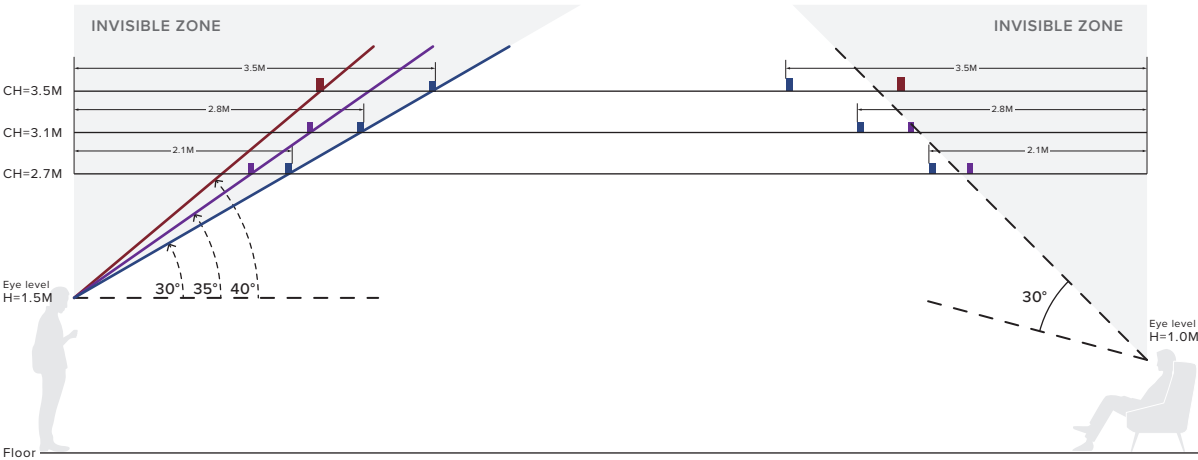
REFERENCE
CH: 3.2M
Offset: 1.2M
Pitch: 0.6M
Lux(Artworks): 300lx
Artworks: 1.2M×1.8M

MINI40 SPOTLIGHT
48V Track-mount
500TYPE 10.2W
3000K CRI83
Wide 33°



Guidelines for glare-free base lighting design

The upper visual field for humans extends to about 60°, while the optimal range is considered to be around 20-30°. To prevent the light source from being visible to human eyes, the lighting fixture should have a cut-off angle of 30° or greater. When seated, the average eye level is approximately 1000mm from the floor. In lower and deeper seating, such as on a sofa, individuals often recline slightly, directing their gaze more towards the ceiling. With a 35° cut-off angle, the light source remains concealed even in these positions. Lastly, our GLARE-LESS mirrored cone is specifically designed to minimize reflections, further reducing the fixture's presence.





Circadian lighting in living room

Circadian lighting aims to create environments where artificial lighting aligns with our natural rhythms, enhancing sleep quality, mood, and overall health.



PRODUCT

- A** SXD1092W_SX109N
GLARE-LESS Adjustable Downlight
Wide 29°
- B** SXD1091W_SX109N
GLARE-LESS Adjustable Downlight
Middle 22°
- C** ERK9940W_SAD402X
Linear Lighting
Flood 136°×105°

CONTROL SYSTEM
Smart LEDZ Base
FX-492W
Gateway Panel



Morning
A OFF
B OFF
C CCT: 4200K | Dimming: 100%



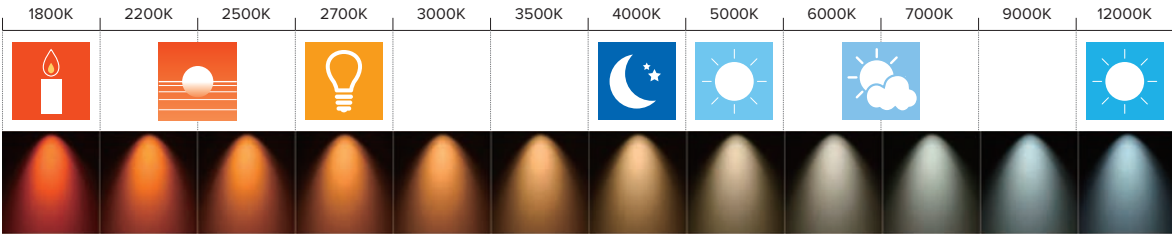
Afternoon
A CCT: 3000K | Dimming: 100%
B CCT: 3000K | Dimming: 100%
C CCT: 3000K | Dimming: 70%



Evening
A CCT: 2700K | Dimming: 40%
B CCT: 2700K | Dimming: 80%
C CCT: 2100K | Dimming: 30%

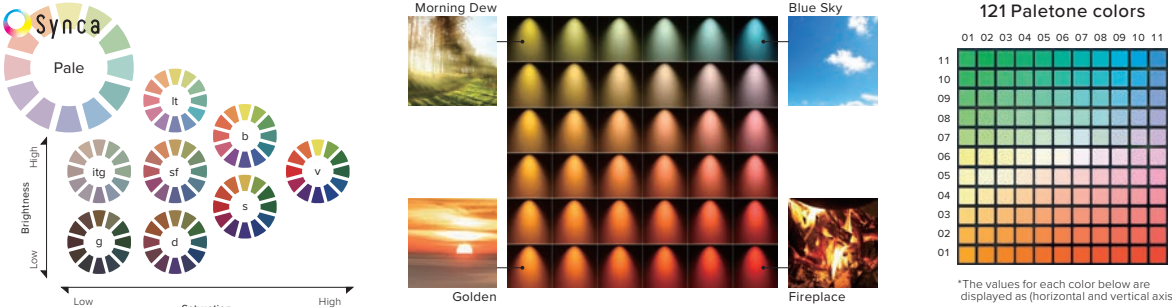
Bring natural light indoors

Synca aims to closely recreate natural light. From candlelight-like 1800K to blue sky 12000K, Synca offers unparalleled color temperature range to bring natural light indoors.



Produce 121 natural colors

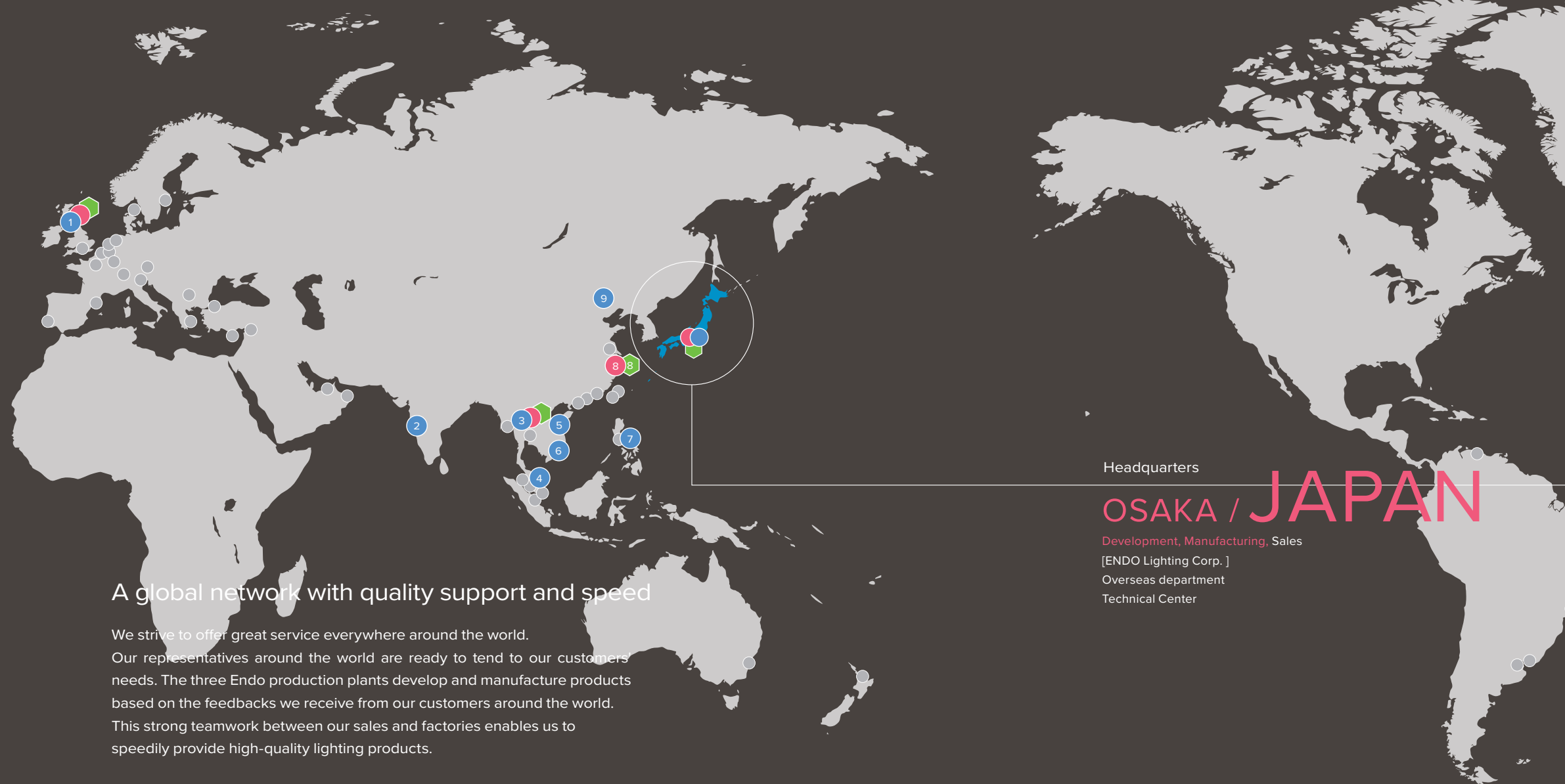
Synca offers 121 colors, inspired by natural phenomenon and nature. The signature Paletone colors naturally blends into any environment.



Smart LEDZ Base

Easy operation with intuitive interface and touchscreen operation

From Japan to the world



A global network with quality support and speed

We strive to offer great service everywhere around the world.

Our representatives around the world are ready to tend to our customers' needs. The three Endo production plants develop and manufacture products based on the feedbacks we receive from our customers around the world.

This strong teamwork between our sales and factories enables us to speedily provide high-quality lighting products.

Headquarters

OSAKA / JAPAN

Development, Manufacturing, Sales
[ENDO Lighting Corp.]
Overseas department
Technical Center

History

- 1967 Business was founded in Osaka, Japan.
- 1972 ENDO Lighting Corp. ("ENDO") was established.
- 1986 Sano Plant opened.
- 1989 Minakuchi Plant opened.
ENDO Lighting (Thailand) Public Co., Ltd. was established in Bangkok, Thailand.
- 1990 ENDO became the first lighting manufacturer in Japan to be listed on a stock exchange.
- 2003 Kunshan Endo Lighting Co., Ltd. was established in Kunshan, China.
Second Plant opened at ENDO Lighting (Thailand) Public Co., Ltd. in Bangkok, Thailand.
- 2005 Plant opened at Kunshan Endo Lighting Co., Ltd. in Kunshan, China.
- 2006 ENDO CEO Ryoza Endo became Vice Chairman of the Japan Luminares Association.
- 2007 Technical Center acquired ISO 14001 accreditation.
- 2009 ENDO succeeded in developing an LED module and commercializing it as the LEDZ line of LED light fixtures.
- 2010 ENDO Lighting Accessories India Private Ltd. was established in India.
- 2013 ENDO Lighting Corp. moved up to the First Section of the Tokyo Stock Exchange from the Second Section.
- 2014 ENDO LIGHTING SE ASIA PTE.LTD was established in Singapore as a subsidiary company of ENDO.
- 2014 ENDO acquired Ansell Electrical products Limited and Ansell (Sales & Distribution) Limited in United Kingdom.
- 2016 ENDO LIGHTING VIETNAM Co., LTD. was established in Ho Chi Minh City, Vietnam.
- 2017 50th Anniversary

World Network

- | | | |
|--|---|--|
| <p>1 Warrington / United Kingdom
1 Development, Sales, Manufacturing
1 Ansell Electrical Products Limited
Ansell (Sales & Distribution) Limited</p> <p>2 Pune / India
Sales
ENDO LIGHTING ACCESSORIES INDIA PVT. LTD.</p> <p>3 Bangkok / Thailand
3 Development, Sales, Manufacturing
3 ENDO LIGHTING (THAILAND) PUBLIC CO.,LTD.</p> | <p>4 Singapore / Singapore
Sales
ENDO LIGHTING SE ASIA PTE.LTD.</p> <p>5 Hanoi / Vietnam
Sales
ENDO LIGHTING VIETNAM CO., LTD.
Hanoi Rep. Office</p> <p>6 Ho Chi Minh City / Vietnam
Sales
ENDO LIGHTING VIETNAM CO.,LTD.</p> <p>7 Manila / Philippines
Sales
ENDO LIGHTING (THAILAND) PUBLIC CO.,LTD.
Philippines Branch</p> | <p>8 Kunshan / China
8 Development, Manufacturing
KUNSHAN ENDO LIGHTING CO.,LTD.</p> <p>9 Beijing / China
Sales
ENDO TRADE (BEIJING) CO.,LTD.</p> <p>● Distributor</p> |
|--|---|--|



