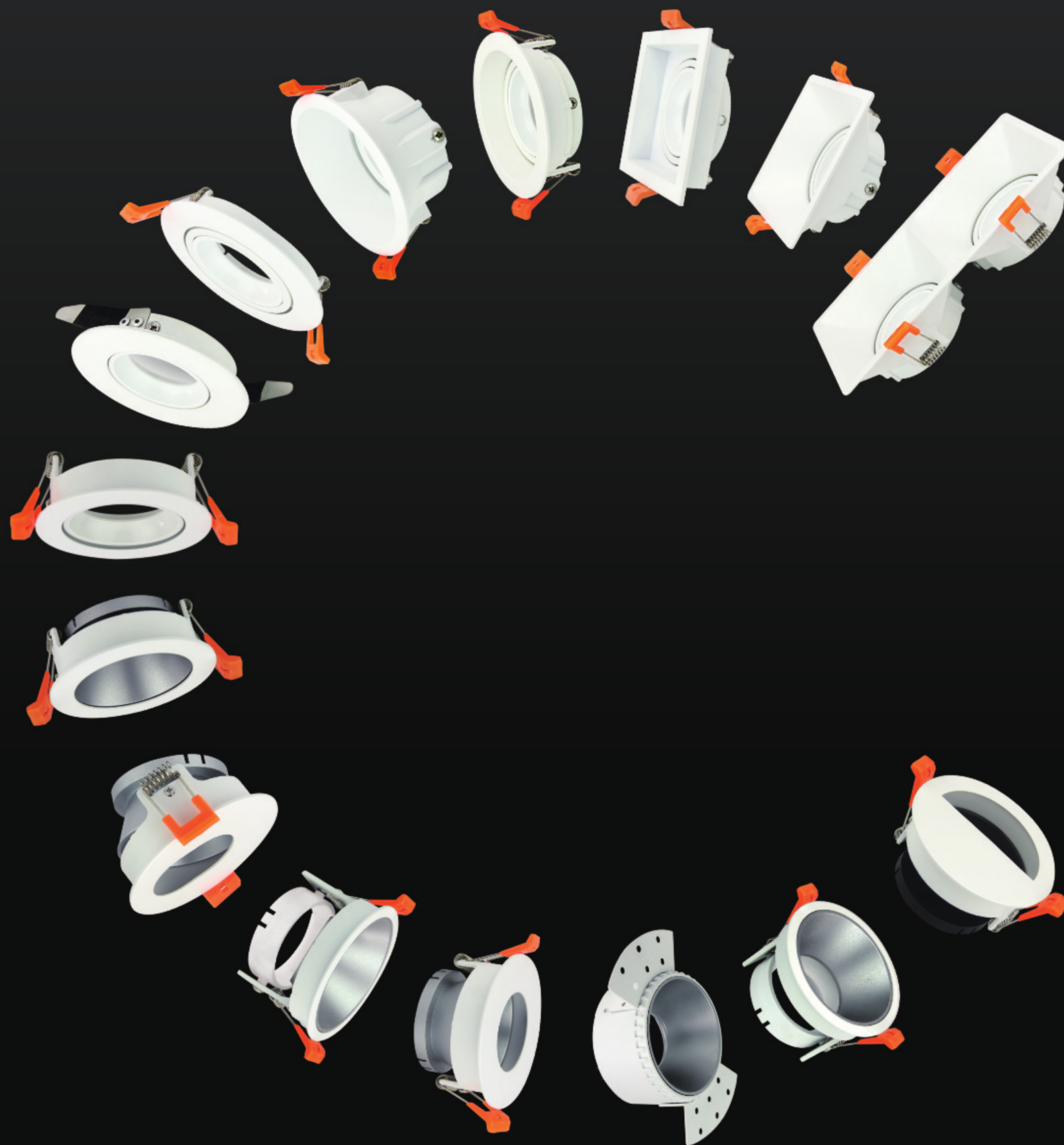


EL BLENDFREIE Serie
LED DOWN LIGHT • Feb 2017

ELVOKA

elvoka@elvoka.ch
www.elvoka.ch



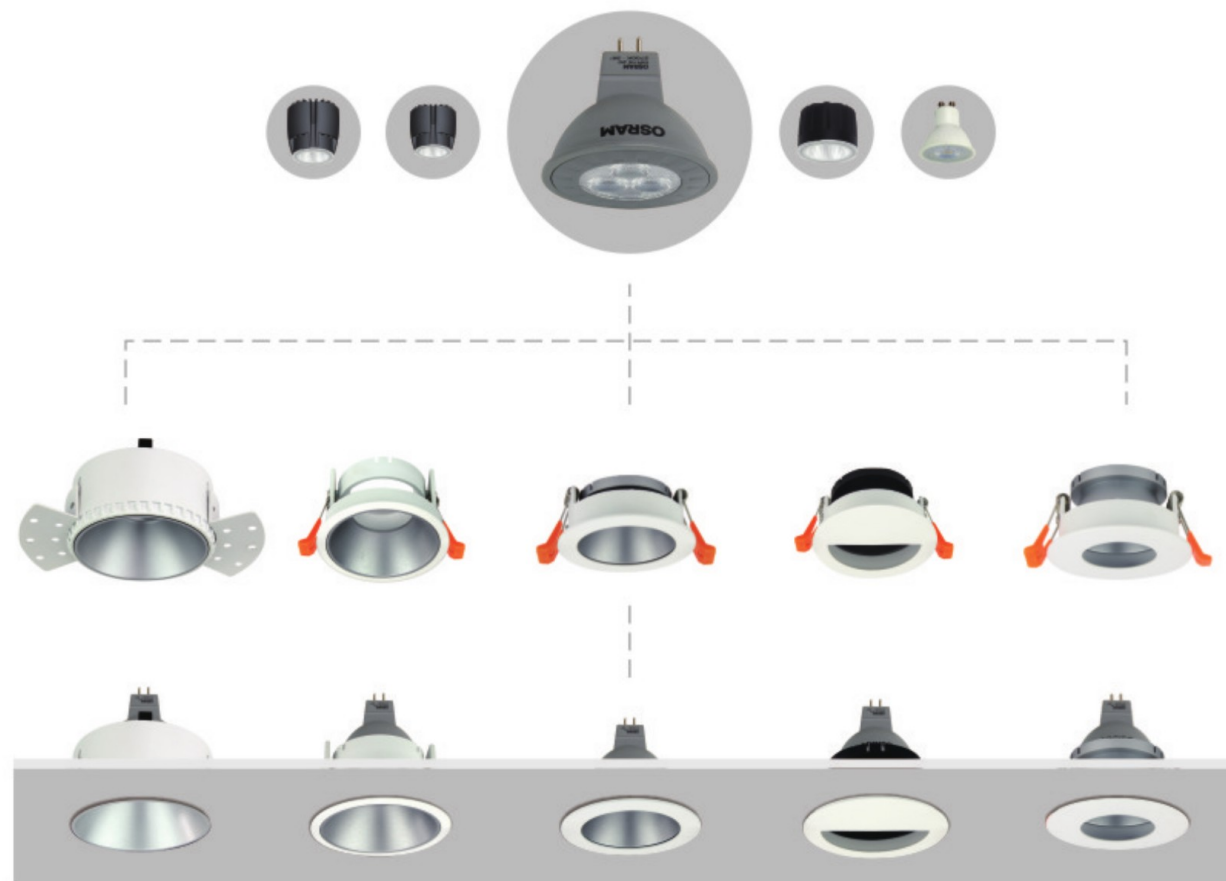
CE RoHS

Delivery Brightness without Glare
Black light Technology + Anti Glare

High brightness----
9W 12W 15W Light source for option

Traditional light source----
Suit for installing MR16 GU10 as well





Specifically designed for customers who are selling MR16/GU10/E27 spot lights, offer 15 different kinds of Lighting designer-level fixtures which can eliminate unnecessary and undesirable light that would otherwise cause glare and flicker, further to enhance competitiveness of their spot lights.

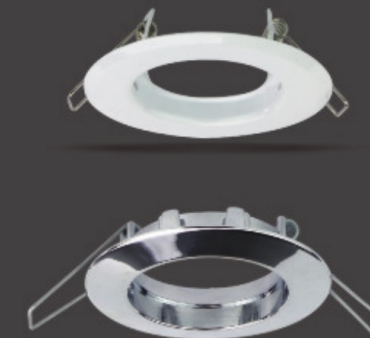
Downlight moduler that has highly uniform light distribution will also be available.



Other fixtures without Anti-glare



New fixture



Old fixture



1 Put the spotlight into the fixture ring from the back side.



2 Push the spotlight so that the snap joints can hold it very tight.



3 Assembly finished



4 Done



1 Put the spotlight into the fixture ring from the front side.



2 First, put one side of the metal clip into the prepared hole. Second, fix the clip around the ring and put another side into the second hole.



3 Assembly finished

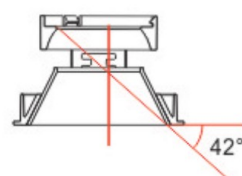
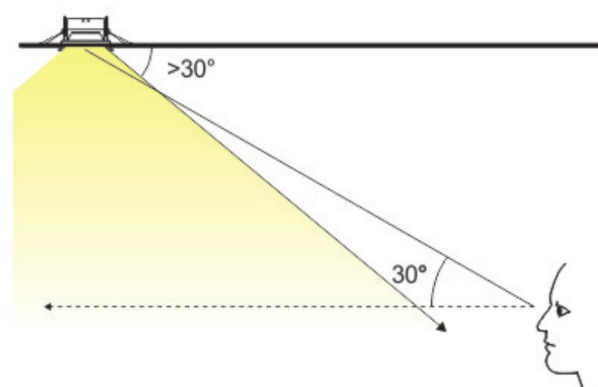


4 Done

EL fixture series maintains a deep Anti-glare cut-off angle of upto 42° and features a high-end blackcolor technology to minimize glare.

What is the deep Anti-glare cut-off angle?

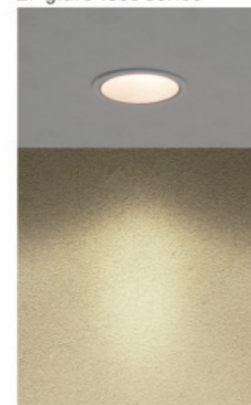
The upper limit of the human field of view is generally considered to be about 30° above the horizon. Light streaming into this field of view causes glare. EL fixture series offer fixtures with a 42° cut-off angle to keep light out of the glare zone, eliminating unnecessary and undesirable light that would otherwise cause glare and flicker.



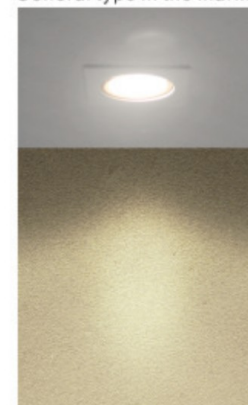
We have given our base downlights deep >30° glare-cutting angle to keep light out of people's field of view, which is usually considered to extend to 30° above the horizon.

These lights create a comfortable, premium light environment without unpleasant glare.

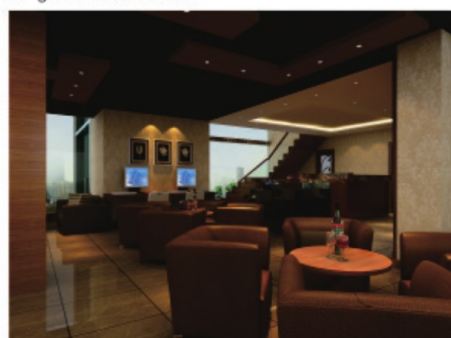
EL glare-less series



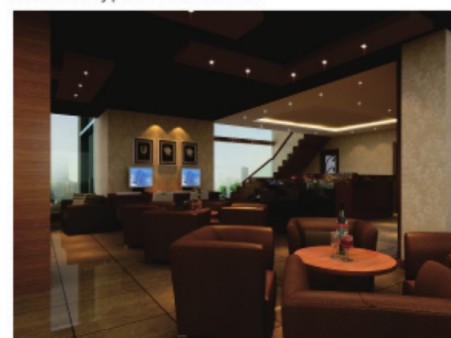
General type in the market



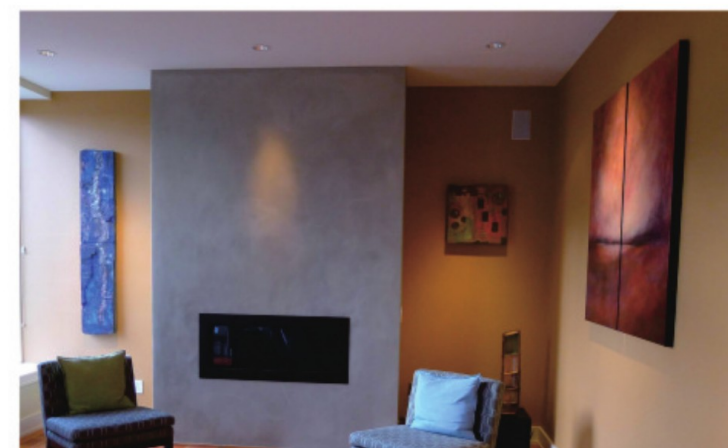
EL glare-less series



General type in the market



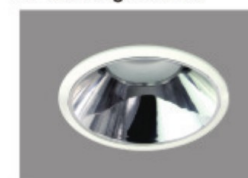
What is the black light Technology?



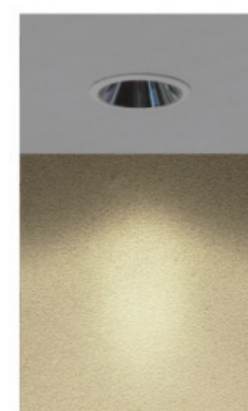
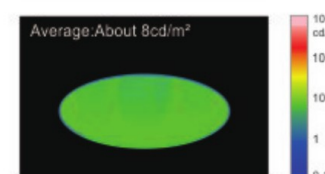
EL fixture series adopt a high-precision mirror-finish reflector to minimize glare.

Thanks to a light distribution design that minimizes the amount of light striking the reflector and a sophisticated glare-less reflector, the fixture blends into the surrounding architectural space instead of calling attention to itself. You will not see any light on the reflector even if the light is on.

EL black light series



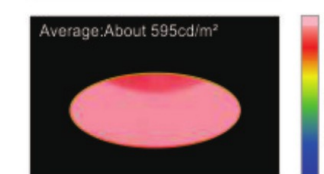
This light is on, but you don't see any light on the reflector. It is blacklight technology.



EL glare-less series



EL Glare-less series without Backlight Technology.



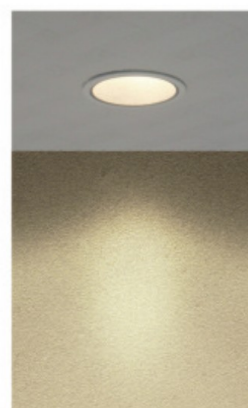


Exquisite small designs with narrow rim, and the choice of a large variety of finishes guarantees perfect integration into the environment, offers great visual comfort.

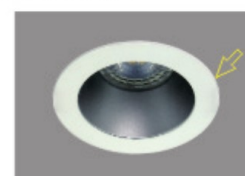


80mm diameter, small size can match the ceiling better.

Exquisite small designs

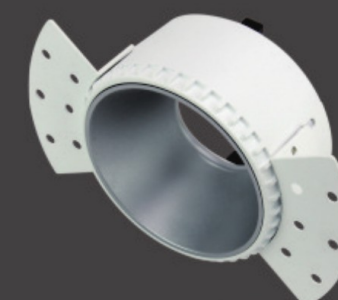


Normal type



Embedded Installation

Fast, simple maintenance, does not hurt lamps and the ceiling.



Optional reflector



1 Cut a proper installation hole in the ceiling board.



2 Fix the embedded part into the ceiling board with mounting bolt.



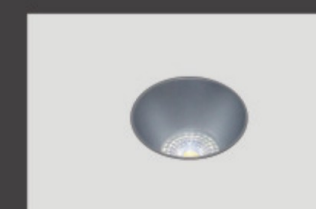
3 Apply the plaster onto the embedded part and the ceiling board. Fill up the hole and unevenness.



4 Make the whole ceiling board as smooth and exquisite as possible.



5 Furnish the ceiling board with painting and some other decoration.



6 Snap the lamp body into the embedded part and keep consistency of ceiling board to reach the effect of invisible fixture, but visible light.



Liquid Painting

more smooth
and delicate

Powder Coating

rough and
rugged

We strictly control the surface finish of our fixture with an extremely quality control standard, and adopt Liquid Painting instead of Powder Coating to make the surface more smooth and delicate.

Strict Quality Control



Extremely control of the surface finish of fixtures:

The diameter of sand hole can't over 0.3mm and only one is allowed, if there are sand holes that less than 0.1mm, the number can't over 3.

Customized color can be made according to your customer's request.



Applicable environment temperature from -20 ° to 45 °, Salt spray test complying with the NSS standard is performed.



Quality control of the Liquid Painting:

doing Cross-cut test to check the adhesion of paint.



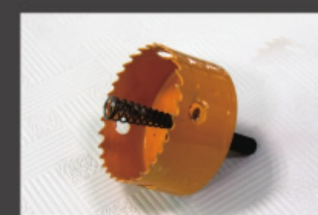
We use high quality of PC material to make the fastenings, which has high strength, high fatigue resistance, Good dimensional stability and has very small creep even under high temperature conditions.



Special trepanning tool for EL series downlights is available.

It is made of 50# high quality steel and have been processed of high-frequency quenching, its hardness reaches HRC40-48 and has a long service life, Suitable for wood surface, gypsum ceiling and composite board.

Suit cut-out sizes: Ø70mm, Ø75mm, Ø80mm
Ø85mm, Ø90mm, Ø95mm



1 Fit the drill with the trepanning tool.



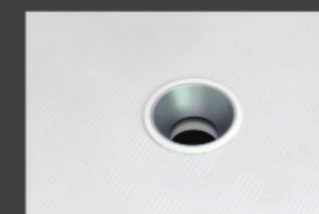
2 Assemble the trepanning part to the hand drill.



3 Put it against the ceiling and drill a hole.



4 Put the downlights into the hole.



5 Installation complete.



SWEL137X.
Trimless design.
Razor-thin, No gap
between the reflector
and trim, virtually
invisible on the ceiling.



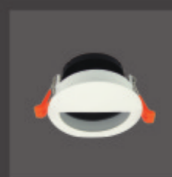
SWEL131X.
Slim Bezel design A
Flat mouth reflective
cover.
Slim Bezel, can be
better integrated with
the space.



SWEL132X.
Slim Bezel design B
Oblique mouth
reflective cover, Wall
wash luminaire.
Slim Bezel, can be
better integrated with
the space.



SWEL136X.
Normal Bezel design
Flat mouth reflective
cover.
35mm height, fit the
place which has limit
to height.



SWEL133
Semicircle design
Can block half side
light output glare
less, achieve uniform
light output.



SWEL134
U shaped hole design
Elliptical hole ring,
narrowing the shading
angle reduce glare.



SWEL135
O shaped hole
design Small round
hole surface loop,
narrow the angle of
light, reduce glare.



SWEL130
Ordinary small design
Flat mouth design
The Same color
With the ceiling. Can
be better integrated
with the space.



XSEL117
4 directions tiltable
round design-Deep
With Cut-off angle 30°
glare-less when
compare to SW-
SM115.



SWEL124
4 directions tiltable
round design-Flat
Only 21mm height, fit
the place which has
limit to height.



SWEL123
Small and short design
with Leaf spring.
Only 20mm height, fit
the place which has
limit to height.



SWEL115
4 directions tiltable
round design-Medium
32mm height, fit the
place which has limit
to height.



SWEL114
Square design A
The Same color
With the ceiling. Can
be better integrated
with the space.









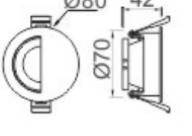
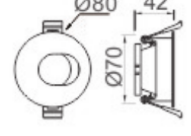
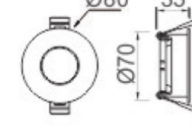
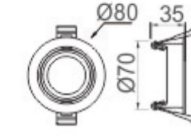














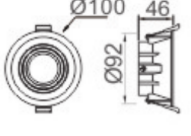
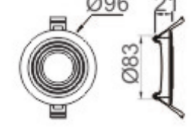
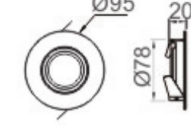
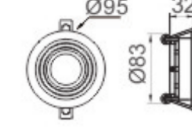







XSEL120
4 directions tiltable
Square design B
The Same color
With the ceiling. Can
be better integrated
with the space.




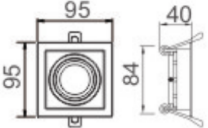
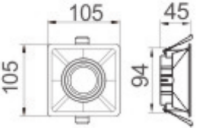
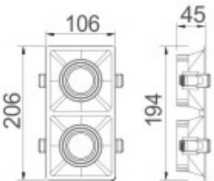


XSEL121
4 directions tiltable
Square design B-
Double head
The Same color
With the ceiling. Can
be better integrated
with the space.

Item No	SWEL137X.	SWEL131X.	SWEL132X.	SWEL136X.
Photo				
Material	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC
Cut hole	Ø90mm	Ø75mm	Ø75mm	Ø70mm
Size				
Adjustable beam				
Cut-off angle	32°	42°	47°	30°
Thickness of ceiling	5-20mm	5-20mm	5-20mm	5-20mm
Package	1pcs/box	2pcs/box	2pcs/box	2pcs/box
Tiltable	fixed	2-side	1-side	fixed
Optional reflector	 B C D E F			

Item No	SWEL133	SWEL134	SWEL135	SWEL130
Photo				
				
Material	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC
Cut hole	Ø70mm	Ø70mm	Ø70mm	Ø70mm
Size				
Adjustable beam				
Cut-off angle	36°	38°	43°	15°
Thickness of ceiling	5-20mm	5-20mm	5-20mm	5-20mm
Package	2pcs/box	2pcs/box	2pcs/box	2pcs/box
Tiltable	1-side	1-side	fixed	2-side

Item No	SWEL117	SWEL124	SWEL123	SWEL115
Photo				
				
Material	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC
Cut hole	Ø92mm	Ø85mm	Ø80mm	Ø85mm
Size				
Adjustable beam	 x2 +  x2	 x2 +  x2	 x2	 x2 +  x2
Cut-off angle	32°	9°	9°	21°
Thickness of ceiling	5-20mm	5-20mm	5-20mm	5-20mm
Package	2pcs/box	2pcs/box	2pcs/box	2pcs/box
Tiltable	4-side	4-side	2-side	4-side

Item No	SWEL114	SWEL120	SWEL121
Photo			
Material	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC	Outer ring: Aluminum Reflector: PC
Cut hole	85x85mm	95x95mm	195x95mm
Size			
Adjustable beam	0° 15° x2 + 0° 30° x2	0° 10° x2 + 0° 25° x2	0° 10° x2 + 0° 25° x2
Cut-off angle	21°	30°	30°
Thickness of ceiling	5-20mm	5-20mm	5-20mm
Package	2pcs/box	1pcs/box	1pcs/box
Tiltable	4-side	4-side	4-side