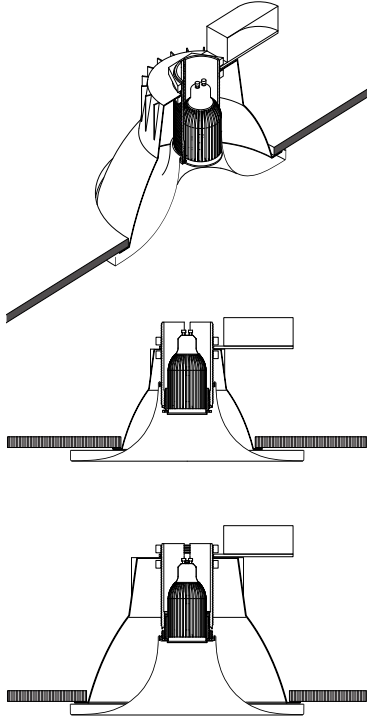


Fischer Family

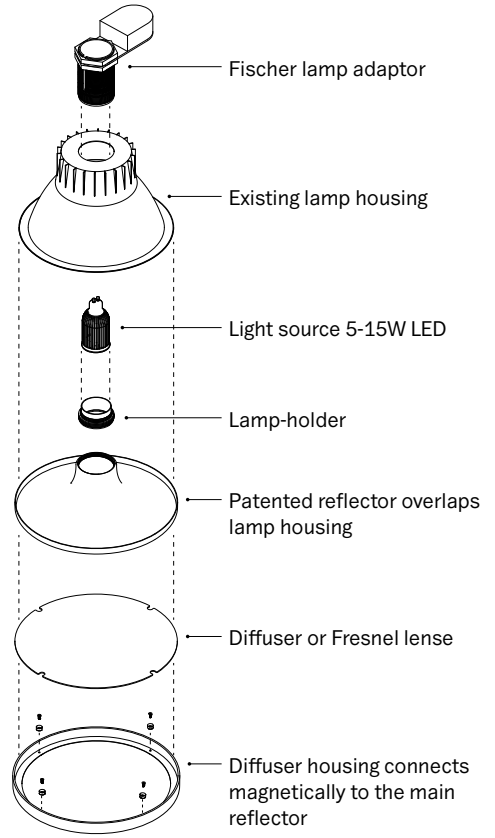


Mounting

The same fixture adapts to lamp housings of various sizes and depths, allowing the majority of recessed lights to be retrofitted with high-efficiency LEDs.



Anatomy



Form



Base funnel-form overlaps existing lamp housings.



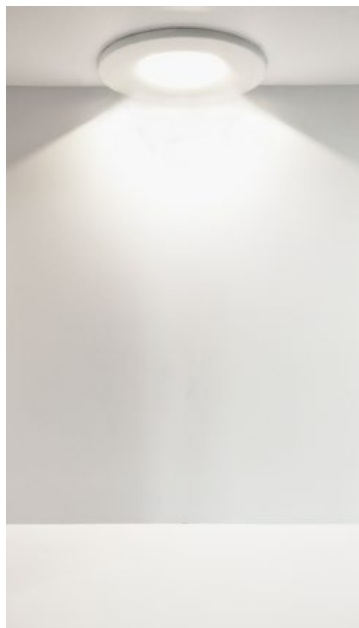
Magnetic ring made from fish-nets.

Performance

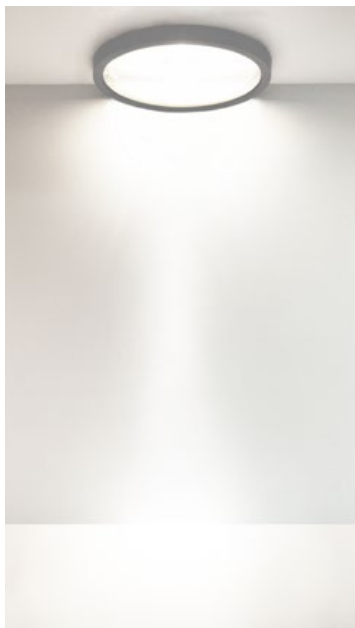
LEDs have the native characteristic of producing differing colour-temperatures across their surface, the average of this being the stated colour-temperature of the source. The shape and coating of the reflector is designed to mix and modify the light-source, tuning it to the desired light output. Light emitted from the edge of the LEDs is mixed

with light from the centre, balancing the output while reducing glare.

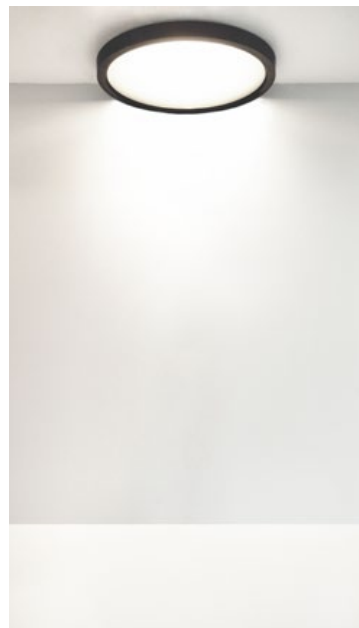
The output may be further modified as shown in the photographs below. Diffusers and lenses held by a ring-shaped housing further focus diffuse or direct the light-beam as required.



Reflector only.



Fresnel lens / Grey diffuser housing.



Fresnel lens / Black diffuser housing.

Specifications

Nr.	Driver	Max W	Volts/AC	LM (x- 10%)	LED LM/W	Spread
FLT-1007	FL-8037	10	220-240v	1000	100	60°
FLT-1002	FL-8103	12		1800	140-150	120°
FLT-1004	FL-8039	36		5400		
FLT-1006	FL-8104	50		6900		

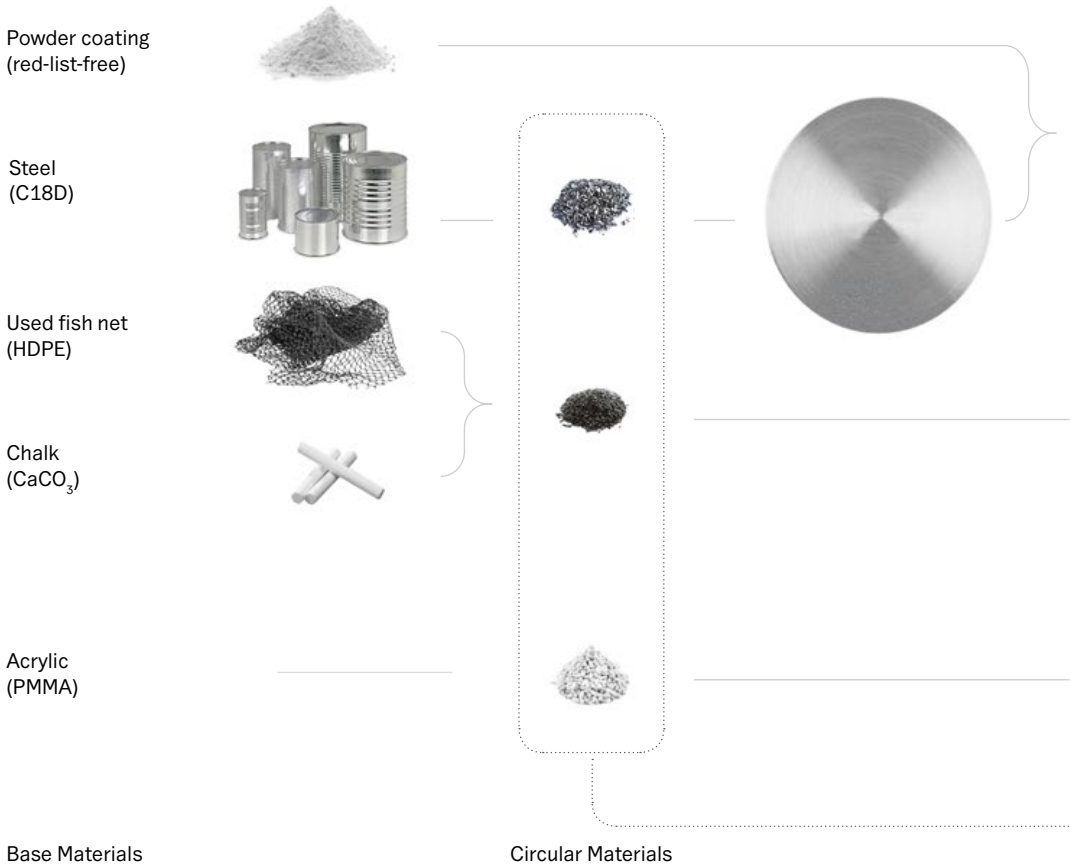
All solutions come with a RA> 80-90 and can be delivered with a colour temperature profile between 2700 and 6000 Kelvin and Mac Adam 3.

Circularity

Careful attention has been paid to the design for disassembly and reuse of all components. Each lamp supplied is recouped at the end of its life-cycle and metabolised into components or materials which are recycled to make more lamps. The material supply is ethically sourced, screened and vetted for VOCs, red-

list chemicals, while components are mechanically or magnetically connected and reused in a continuous life-cycle.

White-papers for installation and Fischer's circular take-back policy are available on the company web-site.

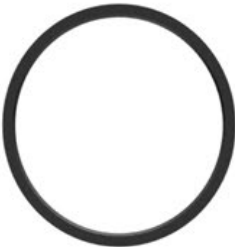




Components



Circular Components



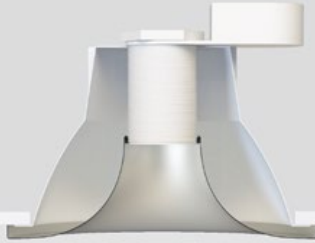
Assembly



Circular Materials

Future variations

Fischer Family represents a new genre of lighting, designed to replace existing fittings mounted in-place. A patented reflector forms its basis, on which many forms are possible. **August**, the first of the family, is represented below with many more iterations to come.

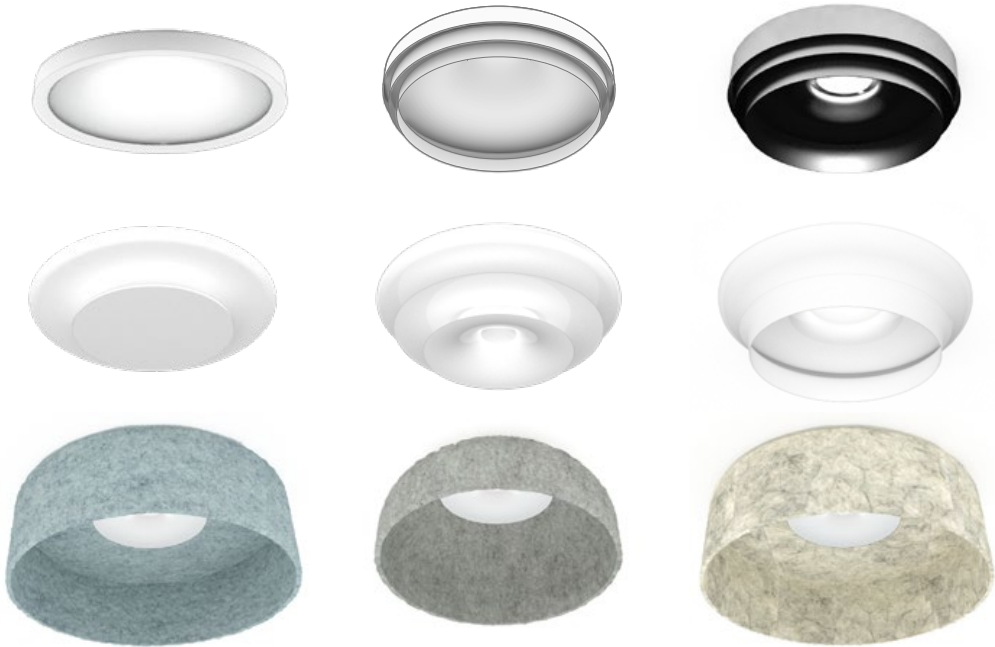


Starting with a funnel form, a range of optical and performative attachments may be used to convert existing recessed lighting into a range of architectural treatments.



Fittings are magnetically attached to the reflector or attached to the central bezel. This allows light to be projected from the centre or spill from the perimeter of the luminaire.

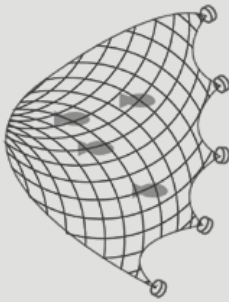
The ring is formed from upcycled fishnets, and conceived in a variety of colors.



Materiality

The first accessory of the Fischer Family range is a diffuser-housing made from disused fishnets left over from the Danish fishing industry.

Rather than being incinerated these nets are up-cycled into lighting products, where the material is constantly reused or re-melted as feedstock for more lamps.



Fishing Net

Reusing Fishnets for plastic products preserves fossil-oils, significantly reduces the amount of energy used in producing plastic parts and generates 5.5 times less CO₂ in production.

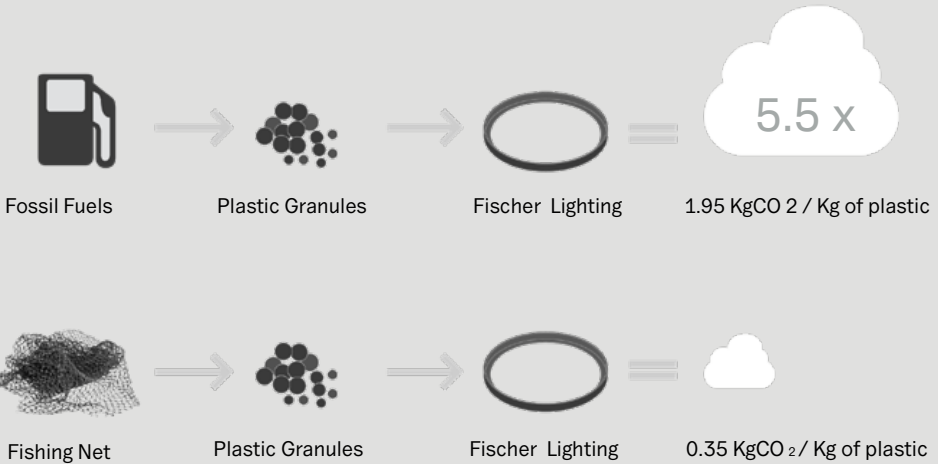
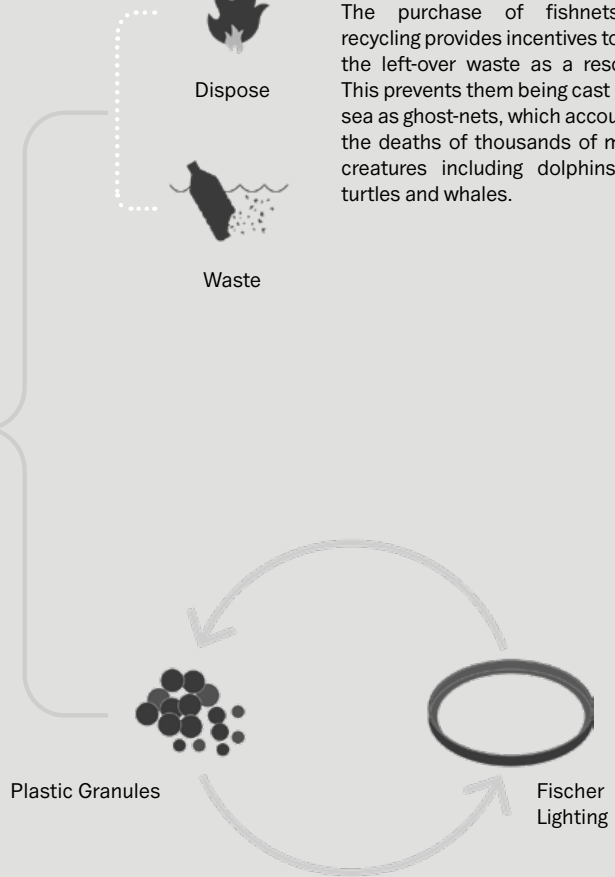


Dispose



Waste

The purchase of fishnets for recycling provides incentives to treat the left-over waste as a resource. This prevents them being cast out to sea as ghost-nets, which account for the deaths of thousands of marine creatures including dolphins, sea turtles and whales.



Fischer Family is a new genre of luminaires with a diverse range of lighting effects. The system design replaces energy-intensive recessed lamps with high quality LEDs and can also be implemented in new buildings.

The system is remarkably simple, built with circular principles and improves the quality of the lighting environment.

GXN design buildings and cities as ecosystems where energy, materials, plants and people flow together to enhance the health and performance of the wider system.

We believe in creating spaces for better collaboration, learning and well-being.

Fischer Lighting extends the lifetime of existing lighting fixtures with modern, certified, and customized LED technology. We can upgrade all types of lighting fixtures with tailor-made LED-solutions.

We work for a world where lighting makes people healthier and all lighting fixtures are circular produced.

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