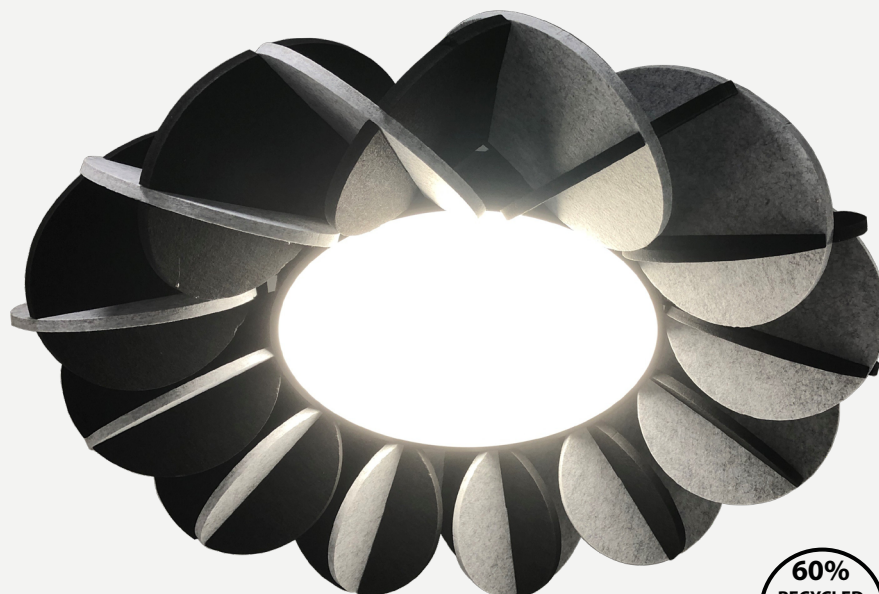




kreuzen Disc

ekko[®]
Creating quiet



Code	Size (mm)	Delivered Lumens (lm)	Total System Wattage (W)	Efficacy (lm/cw)	Colour Temp (°K)	CRI
KRZN/OS/F/0440/4K/***	902 ø x 211	2440	18	135.6	4000K	>80
KRZN/HX/F/0820/4K/***	1399 ø x 313	10256	65	157.8	4000K	>80

*** Please specify colour



Construction

- Extruded aluminium profile
- Clip-in diffuser
- European brand control gear
- Made in the UK

Features

- High efficiency LED boards
- Range of length options
- Wide-beam light distribution

Applications

- Commercial and Business Areas
- Public buildings
- Housing
- Offices
- Hotels and Restaurants
- Arts and Culture spaces

Benefits

- Custom-fit options
- Contemporary style
- Energy efficient solution
- 5 Year warranty

Optical Options

Code	Description
/OS	Opal (Standard)
/HXP	Low Glare

CCT Options

Code	Description
4K8	4000K (Standard)
3K8	3000K

For 3000K version, replace '4K8' in part number with '3K8'

Control Options

Code	Description
D	DALI
S	Switchdim control

For DALI control, replace 'F' in part number with 'D' for SwitchDim replace 'F' with 'S'

Finish Options

Code	Description
RR	Crimson Red
RRF	Crimson Red Fleck
OO	Sunset Orange
OOF	Sunset Orange Fleck
CY	Corn Yellow
CYF	Corn Yellow Fleck
WG	Pistactio Green
WGF	Pistactio Green Fleck
KBF	Steel Blue Fleck
JBF	Denim Blue Fleck
WB	Vanilla Beige
WBF	Vanilla Beige Fleck
DW	Linen White
SG	Ash Grey
HG	Strom Grey
SKG	Gunmetal Grey
RB	Charcoal Black

Mounting Options

Code	Description
/SUS/1.25M	Suspended 1.25M
/SUS/3.0M	Suspended 3M
/SUS/5.0M	Suspended 5M

For suspended specify the codes as required.

Emergency Options

Code	Description
/EM	3 hour maintained, manual test
/ED	3 hour maintained, DALI / Self Test

For emergency version, add onto end of part number as required



Material Details

Synergy is proud to use recycled PET (Polyethylene Terephthalate) in our acoustic lighting. PET is a form of polyester, which is usually used in plastic bottles for drinks, detergent, salad dressings and the like.

Composition – 100% PET (Polyethylene Terephthalate) with a 60% recycled content

Environmental - Acoustic material has a 60% recycled content, and is recyclable.

Standards – Fire specification - EN13501-1 Class B-s1,d0

Acoustic performance – EN ISO 354:2003

Non-hazardous – no formaldehyde binders are used in the manufacturing process.

Lifetime – PET is not affected by moisture, mould or mildew and will not rot or deteriorate under normal conditions.

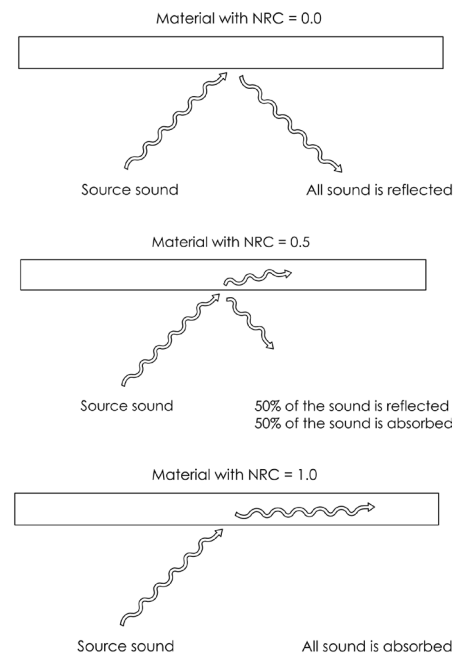
Frequencies of sound

There are two aspects to sound which dictate how well we can hear it, the first is the volume, or loudness, which is measured in decibels. The second is the frequency, or whether it is a low rumbling sound, or a high-pitched squeak. Humans can detect sounds in the range of 20Hz to 20,000Hz.

- Examples of sounds and their frequencies:
 - Tuba ~ 32Hz
 - A truck driving past ~ 250Hz
 - Male baritone voice ~ 400Hz
 - Typical vocal range ~500-3000Hz

Noise Reduction Coefficient

Acoustics is quite a complex subject. In essence, the NRC (Noise Reduction Coefficient) is a rating in the range from 0 to 1. If a material has a rating of 0, then the material absorbs no sound, and all sound is reflected back into the space. If a material has a rating of 1 then the material absorbs all the reflected back into the room.



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SHOWROOM: 1 New York St, Manchester M1 4HD



Carbon
Neutral
Organisation