

lübeck LANTERN

[ekko]



Code	Type	Length (mm)	Height (mm)	Flex
LUBK/0500/***/BLK	Requires lamp	500	450	Black
LUBK/0750/***/BLK	Requires lamp	750	500	Black
LUBK/1000/***/BLK	Requires lamp	1000	550	Black

*** Please specify colour



Construction

- Acoustic Material
- Vintage Style Lamp holder
- Made in the UK

Features

- 60% recycled acoustic material
- Range of colour options
- Noise reduction properties

Applications

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

Benefits

- Custom-fit options
- Contemporary style
- Sound absorbing solution
- 5 Year warranty

CCT Options

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

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

Mounting Options

Code	Description
	Suspended

Finish Options

Code	Description
RR	Rosella Red
RRF	Rosella Red Fleck
OO	Oriole Orange
OOF	Oriole Orange Fleck
CY	Canary Yellow
CYF	Canary Yellow Fleck
WG	Woodpecker Green
WGF	Woodpecker Green Fleck
KBF	Kingfisher Blue Fleck
JBF	Jacarina Blue Fleck
WB	Wheatear Beige
WBF	Wheatear Beige Fleck
DW	Dove White
SG	Sanderling Grey
HG	Heron Grey
SKG	Skua Grey
RB	Raven Black

Replace *** in the code to specify finish material

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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.

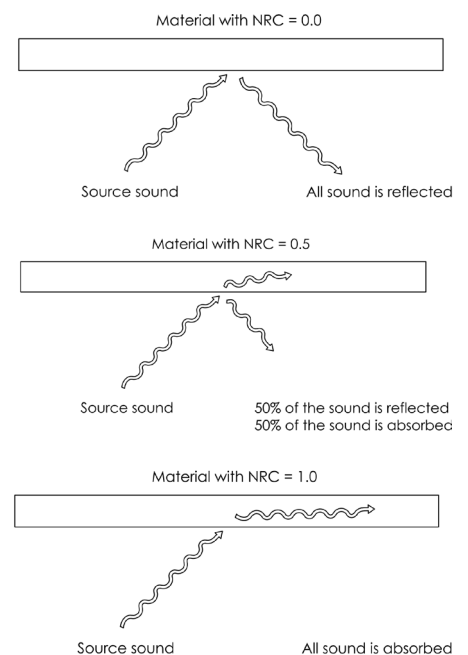
Frequencies of sound

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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Carbon
Neutral
Organisation

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