



dortmund WAVE

[ekko]



Code	Type	Length (mm)	Width (mm)	Height (mm)	Luminaire	Control
DMND/1250x0800/***/2L	Baffle with light	1250	800	40	Polaris N1 - 800mm	DALI
DMND/1250x1080/***/2L	Baffle with light	1250	1080	40	Polaris N1 - 800mm	DALI
DMND/1650x0800/***/2L	Baffle with light	1650	800	40	Polaris N1 - 1200mm	DALI
DMND/1650x1080/***/2L	Baffle with light	1650	1080	40	Polaris N1 - 1200mm	DALI
DMND/1250x0800/***/PB	Plain baffle	1250	800	40		
DMND/1250x1080/***/PB	Plain baffle	1250	1080	40		
DMND/1650x0800/***/PB	Plain baffle	1650	800	40		
DMND/1650x1080/***/PB	Plain baffle	1650	1080	40		

*** Please specify colour

• Range of lights available from the Synergy N1 range - to be specified separately



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

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'

Mounting Options

Code	Description
/SUS/1.25M	Suspended 1.25M
/SUS/3.0M	Suspended 3M
/SUS/5.0M	Suspended 5M
	Surface Mounted (Standard)

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

Finish Options



SANDERLING
GREY

Code SG



SKUA
GREY

Code SKG

Replace ** in the part number with colour code choice



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.

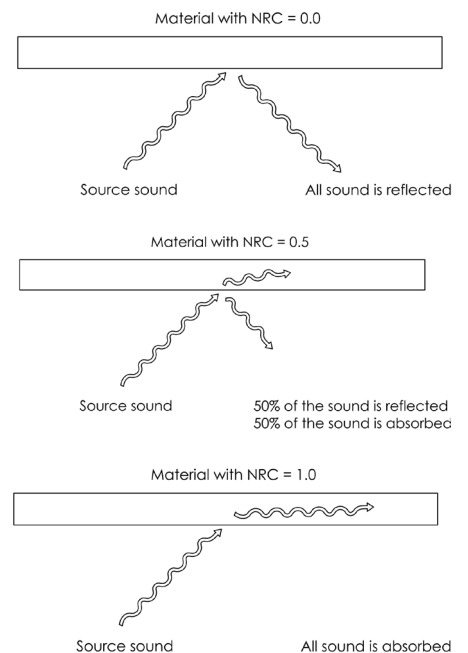
Frequencies of sound

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