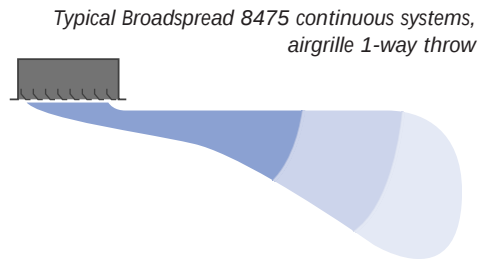


Flexibility is the most significant feature of our air handling systems, as demonstrated by the Broadspread 8475 continuous luminaire arrangement with totally integrated supply and extract grilles. By working closely with architects and consulting engineers at the design stage, a totally integrated system can be developed to meet the specific requirements of each installation.

Further information on the Broadspread 8475 continuous system can be found on page 266.

THROW FIGURES

Throw figures relate to terminal velocity within occupied zone of 0.25 m/s when influenced by ceiling effect, at a mounting height of 2.8 metres. Without ceiling effect throw data should be reduced by 40%.

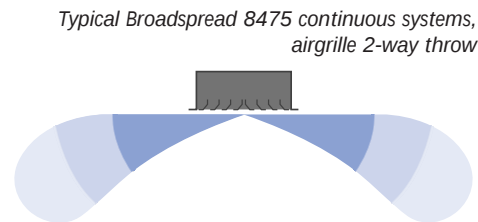


SINGLE LAMP WIDTH 148MM X 325MM			
AIR VOLUME LTS/SEC	1-WAY THROW M	PRESSURE DROP PA	NC
25	2.1	4	-
50	4.6	16	20
75	5.4	20	28

TWIN LAMP WIDTH 275MM X 325MM			
AIR VOLUME LTS/SEC	1-WAY THROW M	PRESSURE DROP PA	NC
25	1.2	-	-
75	2.7	4	-
125	4.6	14	30

PRESSURE DROP DATA

Pressure drop data applies to grille only, when damper is fitted the pressure drop should be increased by 50%.



SINGLE LAMP WIDTH 148MM X 325MM			
AIR VOLUME LTS/SEC	1-WAY THROW M	PRESSURE DROP PA	NC
25	1.7	4	-
50	3.8	16	20
75	4.7	20	28

TWIN LAMP WIDTH 275MM X 325MM			
AIR VOLUME LTS/SEC	1-WAY THROW M	PRESSURE DROP PA	NC
25	1.5	-	-
75	3.2	4	-
125	5.7	14	30

DEEP CELL

The bespoke design of a Deep Cell range of luminaires was developed to meet a particular customer requirement. It incorporates air supply and extract facilities, which employ the following innovative design features.

a) Clean white interior surfaces, free from screws, nuts or wiring with accurately profiled, specially developed lustre glow aluminium reflectors which achieve a soft and gradual cut off to create a comfortable and aesthetically pleasing environment.

b) The black reveal provides discreet air supply outlets and creates a 'floating louvre' effect.

c) An innovative black air pattern control blade allows air supply paths to be adjusted once the luminaire is installed. This ensures the maintenance of ceiling effect air flow.

d) A rapid fix louvre with specially developed hinge down facility makes for ease of installation, access and maintenance.

e) The luminaire body is self supporting on Exposed Tee ceiling systems. Details for



600mm² deep cell with air supply boot and air extract facility

integration with other ceiling systems are available upon request.

f) If the supply facility is not required then high volume air extraction can be provided by utilising the slots in the reveal and by partially bypassing the lamp compartments.

AIR SUPPLY

600 X 600 MM	
4 lamp luminaires	= 20 lts/sec supply
300 X 1200 MM	
2 lamp luminaires	= 47 lts/sec supply

AIR EXTRACT ONLY

600 X 600 MM	
Extract through frame only	= 35 lts/sec
Extract through body only	= 40 lts/sec
Combined	= 75 lts/sec
300 X 1200 MM	
Extract through frame only	= 65 lts/sec
Extract through body only	= 35 lts/sec
Combined	= 100 lts/sec

a. Air flow rates have differing effects on various aspects of lamp and luminaire performance. Technical data is available upon request.

b. The supply performance above is typical only. Further technical performance data is available upon request.