

Pascal diffuser

LCC / LCC-P



Description

LCC is a flush mounted circular diffuser with a circular unperforated face plate for installation in ceiling systems. LCC is suitable for horizontal supply of cooled air and has a large dynamic range. This ability makes it possible to regulate down to low airflows with high undertemperature without the risk of drafts. This makes it possible to do the VAV regulation before the diffuser itself and for supply this is done in a MBBV box with integrated volume flow regulation. For exhaust the diffuser is used with a standard MBB box and the VAV regulation is done in the duct system with a VRU volume flow regulator.

LCC-P is identical with LCC, but has a presence sensor integrated in the face plate. The presence sensor can register activity in a room and in case of non-occupancy the airflow will be regulated to a stand-by minimum airflow to save energy.

- Simple and aesthetic appearance
- Large dynamic range 0-100% without the risk of drafts
- Integrated presence sensor for demand control
- Suitable for both supply and exhaust air

Maintenance

The faceplate can be removed to enable cleaning of internal parts or to gain access to the plenum box. The visible parts of the diffuser can be wiped with a damp cloth.

Order code

Product	LCC	aaa
Type	LCC	
Connection dim.	Ød 125-315	

Example: LCC-160

Quick selection, supply air

LCC + MBBV		Max. airflow L _{WA} 30 dB(A)		Max. airflow L _{WA} 35 dB(A)	
duct	LCC	l/s	m ³ /h	l/s	m ³ /h
125	160	56	202	66	238
125	200	61	220	73	263
160	200	79	284	99	356
160	250	95	342	113	407
200	250	105	378	122	439
200	315	118	425	145	522
250	315	131	472	168	605

Technical data

For full documentation including sound diagrams, K_{ok}-values and dimensions, see LCP in the Integra chapter.



Materials and finish

Upper part:	Galvanised steel
Face plate:	Aluminium
Face plate finish:	Powder coated
Standard colour:	RAL 9010, gloss 30

Other colours are available. Please contact Lindab's sales department for further information.

Order code

Product	LCC	aaa	P
Type	LCC		
Connection dim.	Ød 160-315		
Sensor type	Presence sensor		

Example: LCC-160-P