

The bibliography was generated by cut and paste from a search. It contains most articles on log geometry that have a Math Reviews review. I'd suggest K. Kato [Kat89] as a main reference. Connections to toric geometry are already seen in that paper. For more such connections, see K. Kato [Kat94]. To see the deformation theory, a starting place might be F. Kato's papers [Kat96, Kat98] My guess at the best starting point to get at the connection to mirror symmetry is Schröer & Siebert [SS06]. I'd need a clearer idea where you want to go with this. Look at the bibliographies of the papers you are interested in.

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