A liminal C^*-algebra which isn't postliminal.

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Let A denote Toeplitz algebra. $K(H^2)$ is liminal. $\frac{A}{K(H^2)}$ is $*$-isomorphic to $C(T)$, so it is abelian and therefore liminal. Hence A is postliminal .But identity representation of A on H^2 is irreducible and not finite dimensional, so A isn't liminal. For details see [Mur, Example 5.6.4].

Ref.

[**Mur**] G.J. Murphy, C^*-algebras and operator theory, Academic Press, 1990.