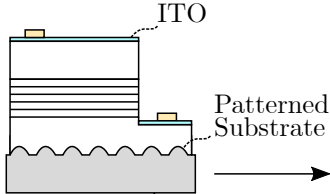


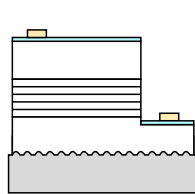
Classical Chip

Lateral Current Spreading
 No Substrate Manipulation
 No Surface Manipulation
Shown: Nichia, 1997



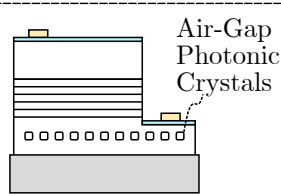
Classical Chip

Lateral Current Spreading
 PSS
 No Surface Manipulation
Shown: Nichia, 2012



Classical Chip

Lateral Current Spreading
 PSS
 No Surface Manipulation
Shown: Generic, 2015



Classical Chip

Lateral Current Spreading
 No Substrate Manipulation
 No Surface Manipulation
Shown: Lumileds Lab, 2002