

# BALERION

Stage: **Development**

The Balerion engine is the USC Liquid Propulsion Laboratory's first development engine utilizing film & regenerative cooling, pintle injection, and a cryogenic propellant.

## SPECIFICATIONS:

Propellants:	LOx / Jet-A	
Material:	Inconel 718	
Method:	Additive Manufacturing	
O/F Ratio:	1.5	
Specific Impulse:	241 s	
Overall Height:	17.65 in	44.8 cm
Weight:	38 lbs.	17 kg
Chamber Pressure:	375 psia	2.59 MPa
Chamber Temperature:	3976 °F	2464 K
Thrust:	2248 lbf	10 kN

