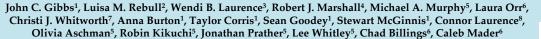
## WISE-Identified Young Stellar Objects in BRC 38



WISE



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Bright rimmed clouds (BRCs) are dense clumps of gas and dust within HII regions at the edges of molecular clouds. While BRCs are dark, their rims are optically bright due to illumination by nearby O or B stars. We used data from the Wide-field Infrared Survey Explorer (WISE) to expand the search for YSOs to a 20 arcminute radius from the center of BRC 38, located in the north of the molecular cloud IC 1396. Using an updated version of the IR color selection scheme developed for the WISE catalog by Koenig et al. (2012), we identified objects having IR colors consistent with those of YSOs. Our work adds several new YSO candidates to the list of YSOs in and near BRC 38 and newly identifies IR excesses for many of the previously identified YSOs in the region. Support is provided for this work by the NASA/IPAC Teacher Archive Research Program (NITARP), which receives funding from the NASA ADP program and the IPAC archives.

