

Two extremely luminous WN stars in the Galactic center with circumstellar emission from dust and gas (*Corrigendum*)

A. Barniske, L. M. Oskinova, and W.-R. Hamann

Institute of Physics and Astronomy, University of Potsdam, 14476 Potsdam, Germany
e-mail: lida@astro.physik.uni-potsdam.de

A&A 486, 971–984 (2008), DOI: [10.1051/0004-6361/200809568](https://doi.org/10.1051/0004-6361/200809568)

Key words. stars: Wolf-Rayet – HII regions – Galaxy: center – stars: individual: WR 102ka – stars: individual: WR 102c – errata, addenda

In our paper [Barniske et al. \(2008\)](#), we erroneously assigned the K -band magnitude $K = 9.93$ mag of the source 2MASS 17461090-2849074 from the 2MASS All-Sky Catalog of Point Sources ([Cutri et al. 2003](#)) to the nearby Wolf-Rayet type star WR 102c. This resulted in an overestimate of the stellar bolometric luminosity of WR 102c. The correct K -band magnitude of WR 102c is $K = 11.6$ mag ([Figer et al. 1999](#)). A comprehensive spectroscopic analysis of WR 102c is provided by [Steinke et al. \(2016\)](#), where the correct K -band magnitude is used. The newly derived bolometric luminosity of WR 102c is $\log L/L_{\odot} = 5.5 \dots 5.7$ and the ionizing photon flux [s^{-1}] is $\log(\Phi_{Ly}) = 49.0 \dots 49.3$.

This error does not affect any results and conclusions on the WR 102ka (the Peony star) presented in the [Barniske et al. \(2008\)](#) paper.

References

- Barniske, A., Oskinova, L. M., & Hamann, W. 2008, *A&A*, 486, 971
Cutri, R. M., Skrutskie, M. F., van Dyk, S., et al. 2003, 2MASS All Sky Catalog of point sources
Figer, D. F., McLean, I. S., & Morris, M. 1999, *ApJ*, 514, 202
Steinke, M., Oskinova, L. M., Hamann, W.-R., et al. 2016, *A&A*, accepted [[arXiv:1601.03395](https://arxiv.org/abs/1601.03395)]