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

(Corrigendum)

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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 $\log L/L_\odot = 5.5 \ldots 5.7$ and the ionizing photon flux [$s^{-1}$] is $\log(\Phi_{\text{Ly}}) = 49.0 \ldots 49.3$.

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

Cutri, R. M., Skrutskie, M. F., van Dyk, S., et al. 2003, 2MASS All Sky Catalog of point sources