

Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
30322.9 lm	189.90 W	159.7 lm/W	100.0 %	99.9 %	10939 cd

Beam widths at two perpendicular planes

	Beam angle, FWHM, 50% (deg)	Beam angle, 10% (deg)	Effective beam direction from g=0
C0-180	112.0	153.3	-0.0
C90-270	112.0	152.8	0.0

Energy class is calculated on the basis of the light distribution and luminous efficacy according to Annex VII of Regulation (EU) No 874/2012

Energy Efficiency Index EEI	Energy Efficiency Class
0.103	A++

