

- Direct supply from **230VAC**
- High lumen output - **up to 1500lm**
- Energy efficiency **up to 107lm/W**
- Long Lifetime **50000h**
- **Dimmable**
- Designed and Assembled **in Poland**

QUADRO

ELECTRICAL PARAMETERS

- rated voltage 230V
- voltage frequency 50÷60Hz
- electrical insulation 1500V
- power factor >0.9
- conducted immunity 1000V BURST / 500V SURGE

OPTICAL PARAMETERS

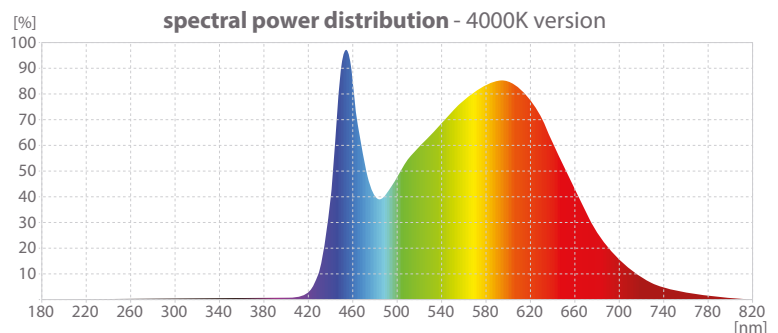
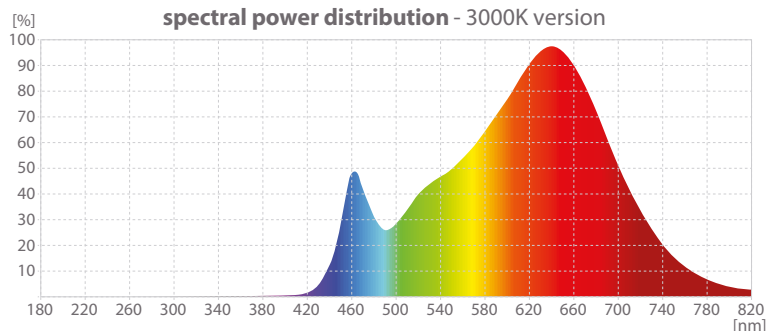
- rated useful luminous flux 1100÷1500lm
- correlated colour temperature 3000K / 4000K
- colour rendering index Ra>80
- colour consistency <4 SDCM

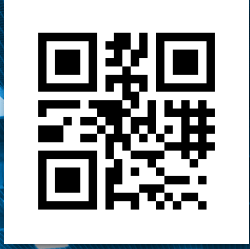
MECHANICAL PARAMETERS

- base material FR-4 2L 1.5mm
- module size 150x150mm / 160x160mm

OPERATING PARAMETERS

- rated lifetime at tc >50000h
- lumen maintenance factor 70%
- switching cycle >100000X
- starting time <0.1s
- operating temperature -25°C to 45°C
- t-case maximum 70°C
- dimmable YES





QD150X150W1100NAD	230VAC	12W	1100lm	3000K	120°	-	92lm/W	150x150mm	12	1
QD150X150N1200NAD	230VAC	12W	1200lm	4000K	120°	-	100lm/W	150x150mm	12	1
QD160X160W1400NAD	230VAC	14W	1400lm	3000K	120°	-	100lm/W	160x160mm	12	2
QD160X160N1500NAD	230VAC	14W	1500lm	4000K	120°	-	107lm/W	160x160mm	12	2

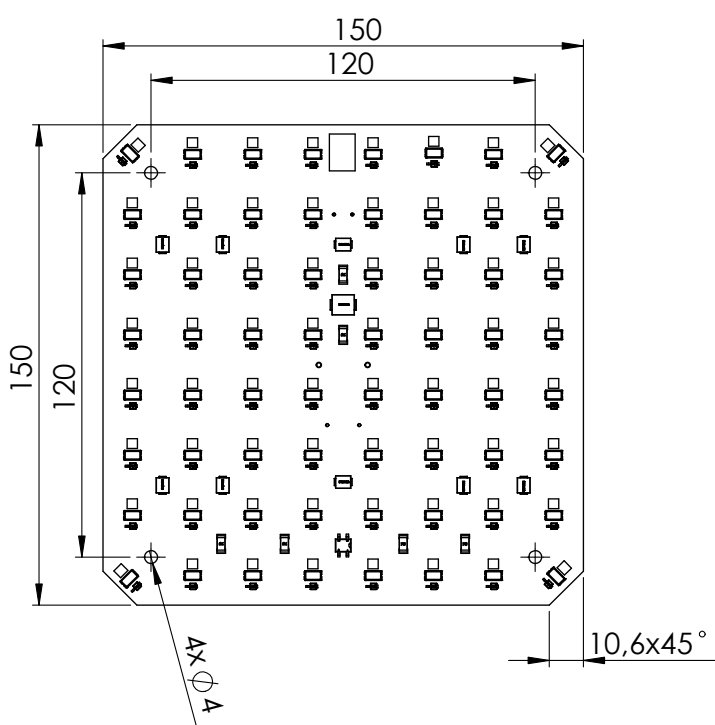


fig. 1

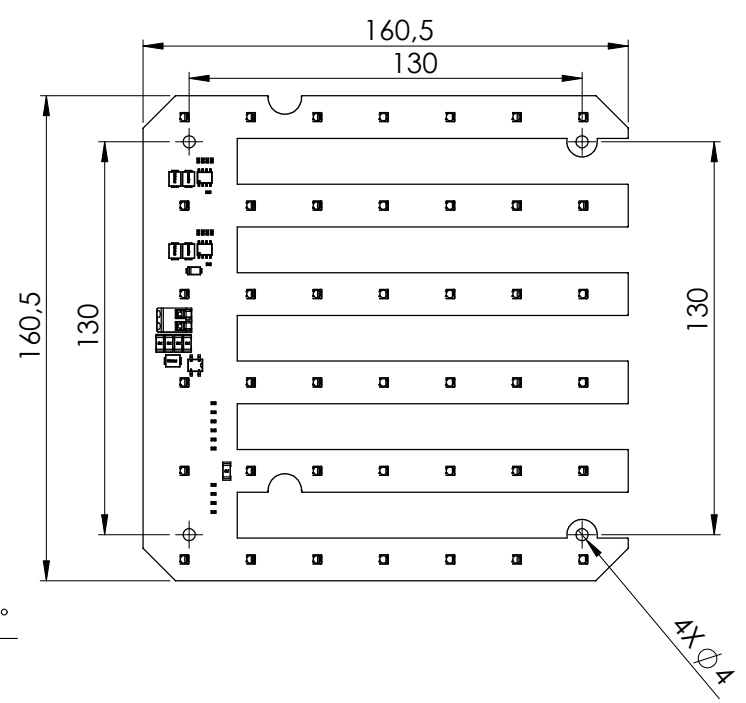


fig. 2

Specifications are subject to change without notice. Errors and omissions are possible. Typical given the technical parameters are statistical values, which may differ from the actual technical parameters of individual products.