



APL

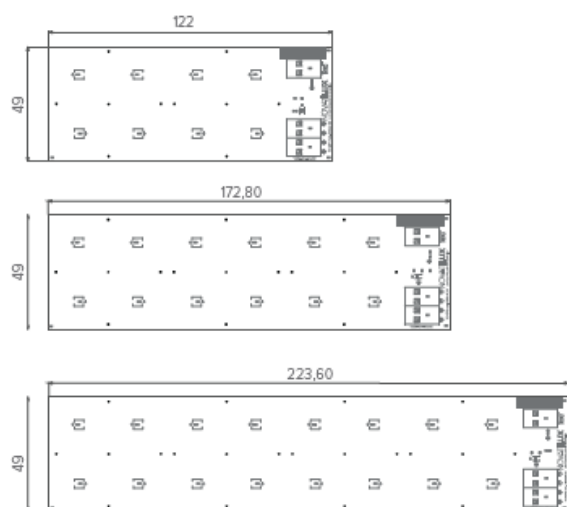
PCB



The LED module of the Benito Novatilu Group, by means of its own technology, offers a high luminous performance with the maximum safety guarantee and an optimal photometric quality, thanks to the addition principle in which each LED has its specific lens.

- High thermal transfer aluminium MCPCB in formats (8, 12 and 16 LEDs) according to Zhaga Standard Book 15.
- High-Efficiency LED Technology in 5050 format with >172lm/W performance.
- Control of the luminous flux by means of high-transparency 2x2 PMMA lenses. Available >18 photometries.
- Double SPD.
- Includes NTC Temperature sensor for the thermal protection of the LED.
- Available in Different Colour Temperatures (from PC Amber to 5000K) and different colour rendering indexes CRI (>70 or >80).

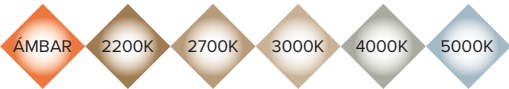
DRAWING:



CONFIGURATIONS:

APL16ZH - 48Vdc
 APL12ZH - 36Vdc
 APL8ZH - 24Vdc

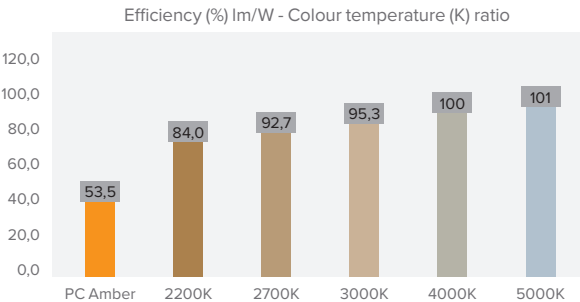
COLOUR TEMPERATURE RANGE



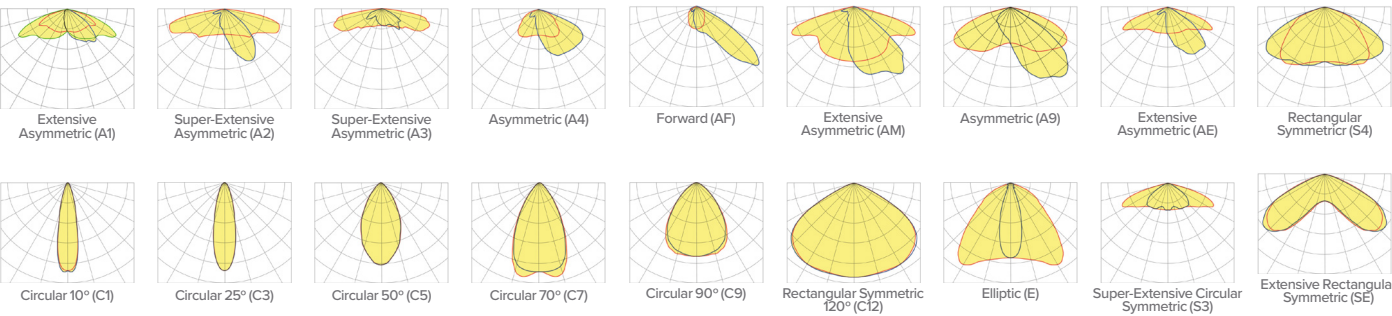
PCB BENITO NOVATILU VERSIONS

REF.	Nº LEDs	I _{max} (mA)	W _{max} (W)	Real luminous flux (T) (=85°C)	Efficiency lm/W	Real luminous flux (T) (=25°C)	Efficiency lm/W
<APL8ZH	8	1050	25,2	3881	154	4208	167
<APL12ZH	12	1050	37,8	5821	154	6313	167
<APL16ZH	16	1050	50,4	7762	154	8417	167

L90B10 >100.000h according to TM21 (Certified by Laboratory ENAC).
Working temperature -35°C - + 60°C.
LED current = Driver current /2 (I_{max} - 525mA).
Luminous flux tolerance < +/-3%.
Values may be subject to change due to LED binning.



AVAILABLE PHOTOMETRIES



High thermal transfer aluminium PCB BENITO NOVATILU in 3 standard Zhaga (Book15) formats (8, 12 and 16 LED).
Check colour temperature and photometries.

