

DENOMINATION: BALO COLGANTE

REFERENCE :50.45.CLEDC0442xxx VER TABLA

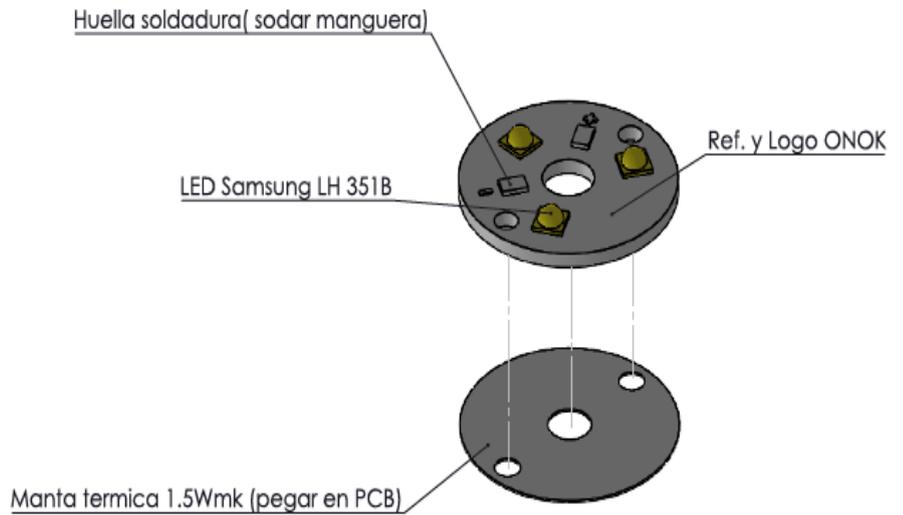
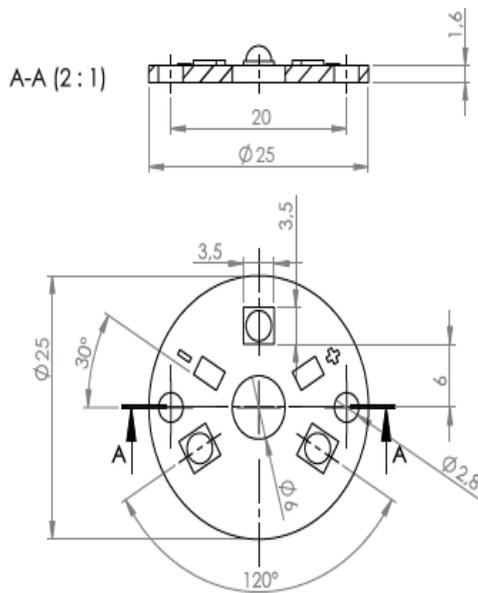
PROJECT: BALO

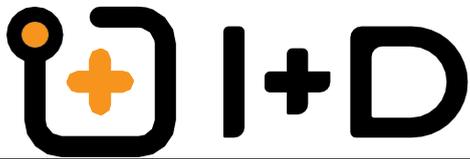
DATE :29/01/2024

CUSTOMER: ONOK LIGHTING

CLIENT CODE :1045

DIMENSIONS





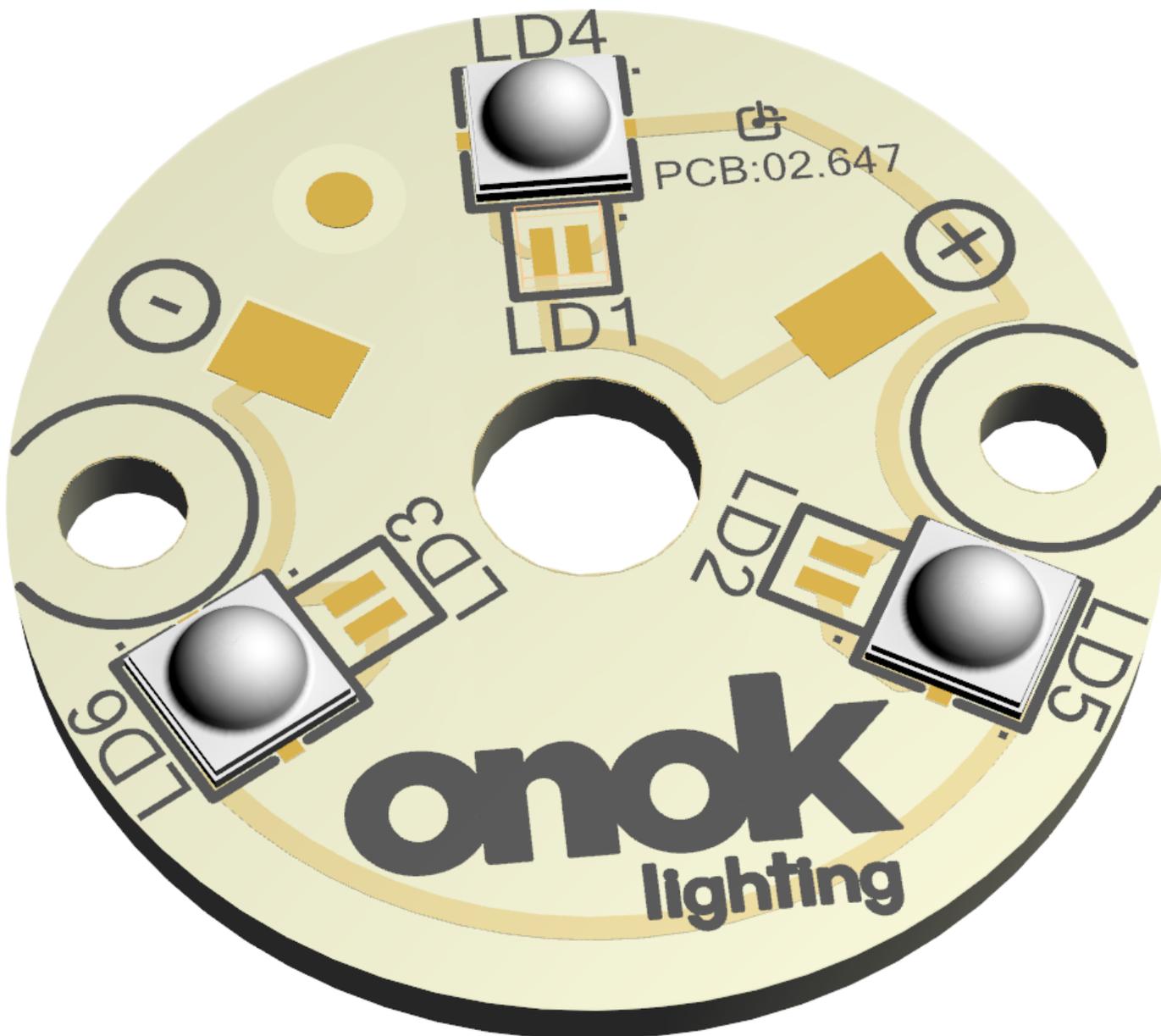
SPECIFIC TECHNICAL DATA

LED Ø25
NAME: BALO COLGANTE

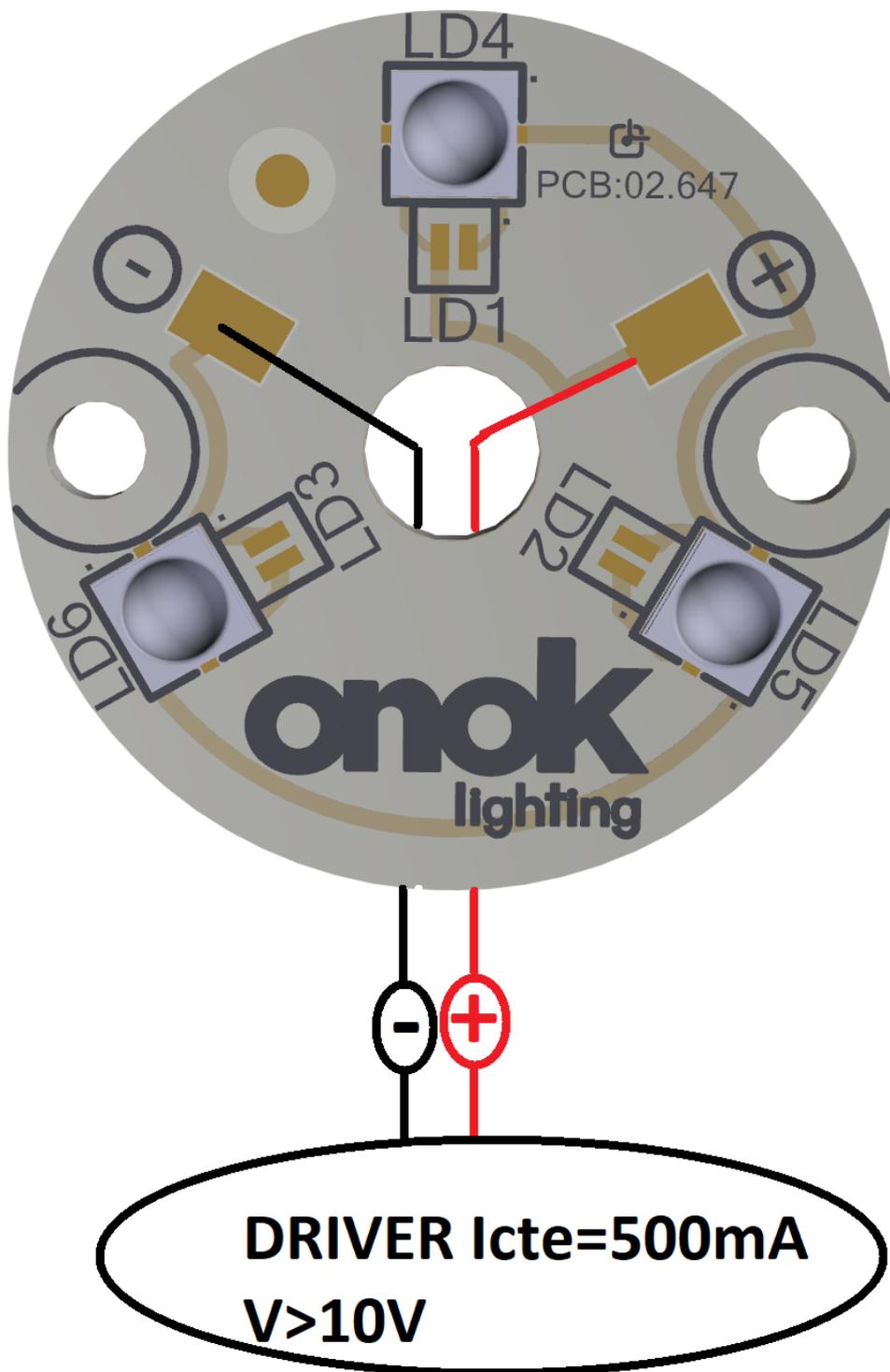
SPECIFIC TECHNICAL DATA										
CODE	INPUT VOLT. (V)	INPUT CURRENT (mA)	POWER (W)	CRI	TEMP (K)	Tc (°C)	DIMENSIONS (mm)	FLUJO (lm)	EFI (lm/W)	ENERGY CLASS
50.45.CLEDC0442SX00 MODULO BALO ONOK 2700K C80 MANG. 2M.	8-10V	500mA	4.5W	80	2700K	85	D25	538.9	119.76	E
50.45.CLEDC0442SX01 MODULO BALO ONOK 2700K C80 CABLE FEP	8-10V	500mA	4.5W	80	2700K	85	D25	538.9	119.76	E
50.45.CLEDC0442SX02 MODULO BALO ONOK 2.7K C80 CABLE MANGUERA	8-10V	500mA	4.5W	80	2700K	85	D25	538.9	119.76	E
50.45.CLEDC0443SX00 MODULO BALO ONOK 3K C80 MANG. 2M	8-10V	500mA	4.5W	80	3000K	85	D25	535.8	119.07	E
50.45.CLEDC0443SX01 MODULO BALO ONOK 3K C80 CABLE FEP	8-10V	500mA	4.5W	80	3000K	85	D25	535.8	119.07	E
50.45.CLEDC0443SX02 MODULO BALO ONOK 3K C80 CABLE MANGUERA	8-10V	500mA	4.5W	80	3000K	85	D25	535.8	119.07	E
50.45.CLEDP0402SX02 MODULO BALO ONOK 2700K C80 CABLE 10M	8-10V	500mA	4.5W	80	2700K	85	D25	538.9	119.76	E
50.45.CLEDP0403SX02 MODULO BALO ONOK 3K C80 CABLE 10M	8-10V	500mA	4.5W	80	3000K	85	D25	535.8	119.07	E
LED LH351B, // VER FICHA CLIENTE PARA CARACTERISTICAS DEL CABLE.										



3D MODEL



CONNECTION EXAMPLE



SECURITY AND INSTALLATION INFORMATION



ELECTRICAL POWER

Our PCB must be feed at *constant current*; the energy source power must be in accordance with the quantity of connected modules for proper functioning of the module (or group of modules). Our PCB have polarity, for this reason rated current, nominal power and polarity must be taken into account. If that is not the case, the module might be irreversibly damaged. Our Pcb require specific driver protection against short-circuit currents and overloads.



ISOLATION

Our PCB functions with SELV voltage, does not require active isolation of the component as long as maximum reference SELV voltage is not exceeded. In other case, it will be mandatory earth connection on all conductive components of the fixture or light engine when the number of modules in the series exceeds SELV voltage. The driver must be in compliance with CE, UL or valid analogous regulation.



ESD – STATIC ELECTRICITY INFORMATION

Our PCB contains electronic components which are very sensible to static electricity. In this respect is it highly recommendable to always manipulate the items with appropriate ESD protection and take adequate measures for safety matters. If you need further information please refer to our webpage www.idled.eu.



MOUNTING AND INSTALLATION

I+D LED S.L. is not responsible for the installation of the product. Our PCB must be perfectly placed (and/or stick) on the lighting device, profile or base for a proper connection between modules and power source. Thermal transference between PCB and luminaire body must be at its highest, in order to ensure that fixture temperature does not exceed T_c in any case.

If any type of chemical substance is used during the assembly of the luminaire or light engine, it must not have any type of curing by means of gas condensation; as these chemical substances may damage the LEDs.

The module will be delivered with pre-made holes according to dimensions drawing (ZHAGA L2W2). Maximum torque for fixing recommended 0,4-0,5 Nm to avoid mechanical stress. Ideal wire for this connection type is unipolar rigid wire of 0,4-1mm², with a strip wire of 6,5-7MM. To remove wire, push orifice on the connector and pull smoothly.



TEMPERATURE

Our PCB life-time depends to a great extent on operating temperature. Under no circumstance temperature should exceed the maximum permissible ($T_c=85^{\circ}\text{C}$) limit here indicated. Exposure to higher temperatures might affect its long term proper functioning. Room temperature must be measured under worst-case conditions to ensure life-time and keep product's guarantee. Store modules between -20°C and $+80^{\circ}\text{C}$, and at a maximum humidity level of 65%.



OPTICAL CHARACTERISTICS + CCT

Measurement of LED discrete points may have variations in regards on the CCT temperature here described, with a variance of 3SDCM for white and $\pm 5\text{nm}$ for coloured LEDs. CCT shifts $\pm 0,001$ at 6.000 hrs. 3 SDCM are declared over the complete module. Modules viewing angle is 120° .