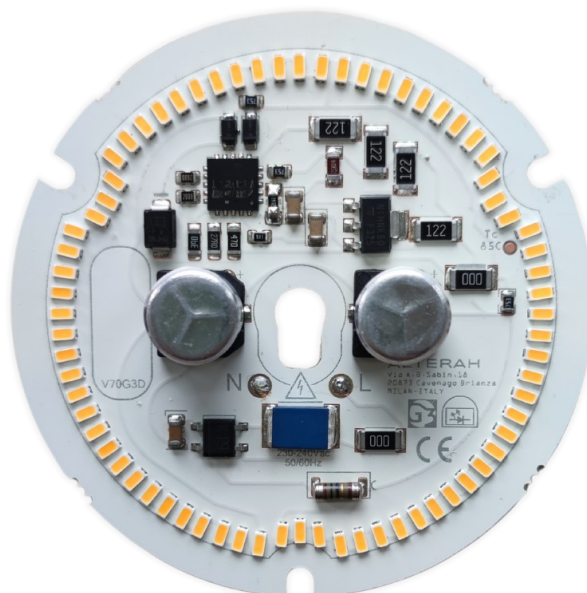




VEGAH 72_ _ _RG3V

Low Flicker - ECODESIGN

230Vac 10 - 14W

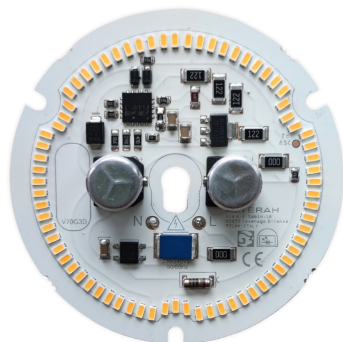
Phase cut Dimmable

No driver is required



Short form Characteristics

ELECTRICAL



Power	10W	14W
Input Voltage	230V	
Input Voltage range	207-240V	
Power factor	0,98	
Total harmonic distortion	<12%	
Type of current	AC	
Surge protection ☉	0,5kV (L/N) 1Kv (LPE) (NPE)	
Fast transient burst ☉	1Kv	
Over temp.protection	150°C	
Energy class	E	
Inrush Current (max)	<30mA	

PHOTOMETRICAL

Flux nominal	1200lm	1680lm
Efficiency	> 120 lm/W	
Number of LED's	72	
Rendering Index	>Ra90	
SDCM (Mac Adam)	3	
Pst LM	0,9	
Stroboscopic effect svm	0,4 (@ Flicker % 12)	
Spread angle lens	130°	
Colour temperatures	2200K 2700K 3000K 4000K	

ENVIRONMENTAL

LED Tc point	85°C
Temperature range	-40°C to 65°C
Relative Humidity	10-75%
Ambient air pressure	500-1060 hPa

MECHANICAL

Module dimension	Diam. 70mm x h11,5
Weight	23 gr
Assembly holes	3 x 3,2mm @ 120°
Connection	No 2 pad to solder diameter 2,5mm

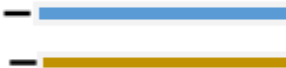
LIFE LENGHT

Life lenght L70B10	> 50 000h
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☉ EN61000-4-5:2014

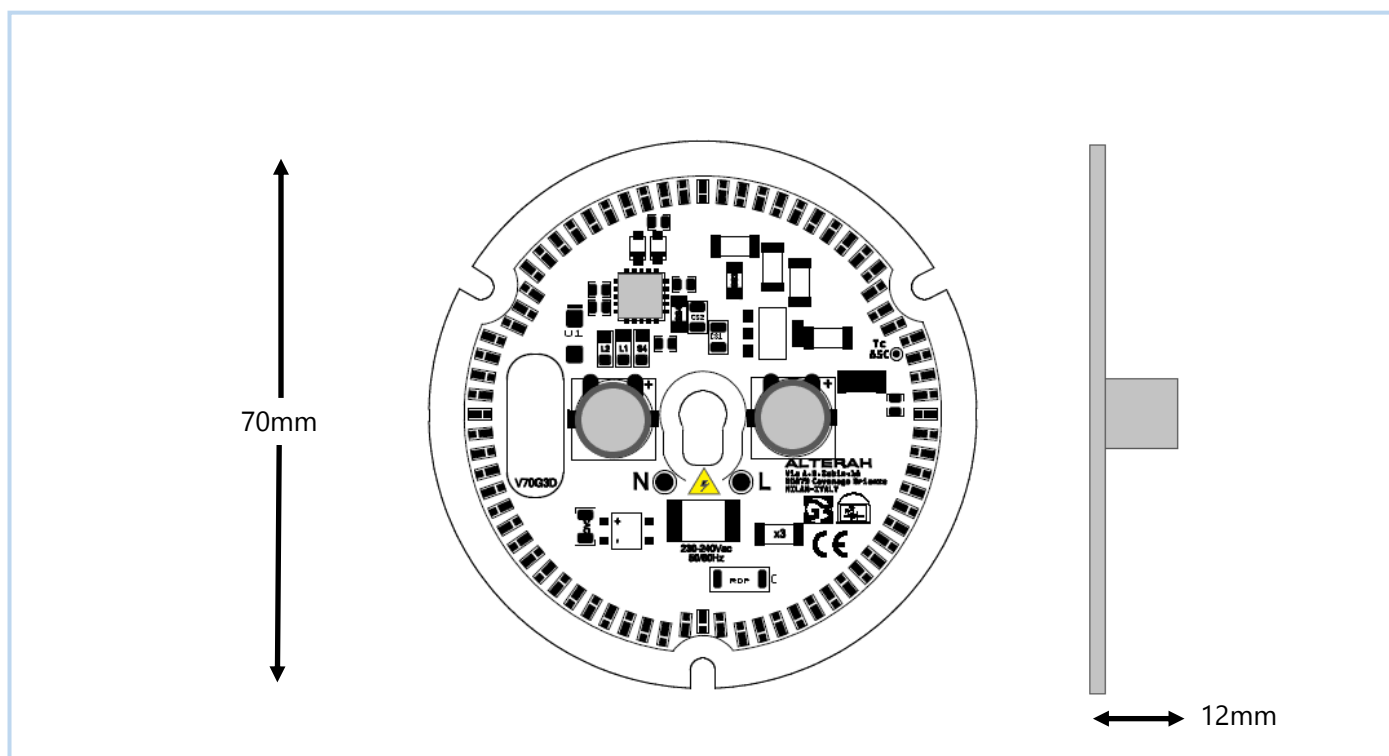
CODE	EPREL	W	K	Note
VH 7210329RG3V	1968451	10	2700	CRI90
VH 7210339RG3V		10	3000	CRI90
VH 7210349RG3V		10	4000	CRI90
VH 7214329RG3V		14	2700	CRI90
VH 7214339RG3V		14	3000	CRI90
VH 7214349RG3V		14	4000	CRI90

Connection solutions

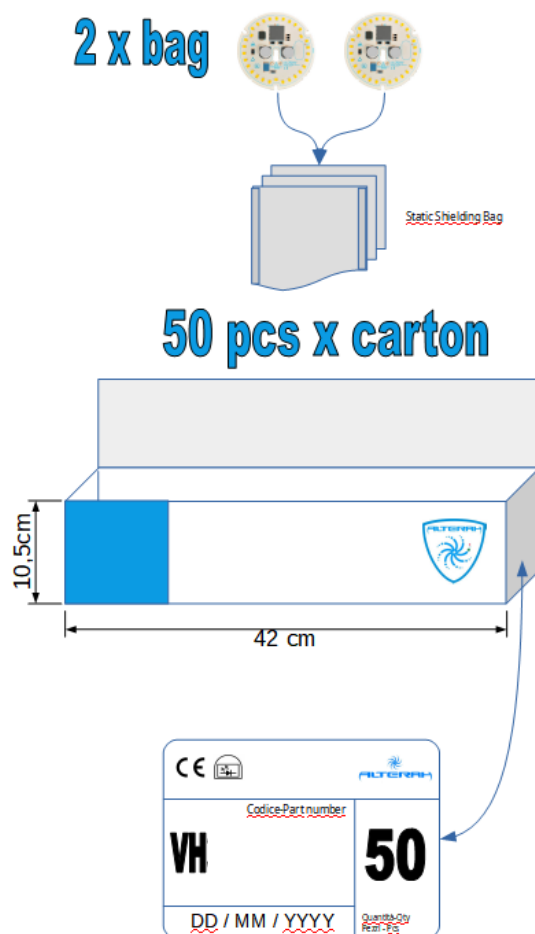
C2	C4
	
n° 2 Cable 20 cm pre-solded on the led the module	n° 2 Cable 40 cm pre-solded on the led module

VH.nn.ww.v.k.s.G2.c.xx.yy

NN	Numero led
WW	Potenza
Voltage	(1) 110V (3) 230V (4) 240V
Kk	(2) 2700K (3) 3000K (4) 4000K (29) 2700K-CRI90 (39) 3000K-CRI90 (49) 4000K-CRI90
S	(C) Cob (Q) Quadro (R) Rotondo (S) Lineare (H) Corona
Capacitor	(V) Vertical
XX	C2 (Cable 20cm) C4 (Cable 40cm)
YY	TM (Thermal pad mono adhesive) TB (Thermal pad bi adhesive)



PACKING



Le schede LED contengono componenti che sono sensibili alle scariche elettrostatiche e possono essere maneggiati solo utilizzando le adeguate protezioni. Durante le fasi di lavorazione è necessario prestare la massima attenzione a non danneggiare le schede e/o apportare modifiche alle stesse ed evitare di collegarle sotto tensione. In base al dimmer utilizzato può variare il range di dimmerazione. A bassi valori di dimmerazione potrebbe verificarsi un aumento del flicker e causare lo spegnimento di alcuni gruppi di LED.

LED boards contain components sensitive to electrostatic discharges and should be handled only using adequate protection. During assembly steps, be careful not to damage LED boards and/or not to modify them. Avoid connecting the LED boards while they are powered.

Depending on the dimmer used, the dimming range may change. At low dimming values, flicker increase, and some groups of LEDs switch off.

Riferimenti normativi / Normative requirements

EN 55015/A11 / EN 61547 / EN 61000-3-2 + A1 / EN 61000-3-3 + EC + A1 / EN 61000-4-2 / EN 61000-4-3 + EC + A1
EN 61000-4-4 / EN 61000-4-5 + A1 / EN 61000-4-6 / EN 61000-4-11 / EN60598 SEZ/SEC (10) / EN 62471
IEC TR 62778

Note legali / Legal notes

Le informazioni contenute all'interno del presente documento devono intendersi come generali sulle caratteristiche e sull'utilizzo del prodotto. Essendo il prodotto LED in continua evoluzione, i dati riportati potranno subire variazioni senza obbligo alcuno di comunicazione o preavviso da parte di Alterah srl. Alterah srl non è responsabile per danni a cose o persone conseguenti ad un utilizzo improprio del prodotto o comunque ad una errata installazione dello stesso. I "diritti di proprietà intellettuale" (logo, disegni tecnici e/o foto, software e/o firmware) sono di esclusiva proprietà di Alterah srl.

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