

Active VCA2-123 PLUS



Built-in LEDSpot equipped with a reflector, heat sink and leads

Technical notes

Reflector: dia. 50mm
 COB pcb material: aluminium
 Heatsink material: aluminium
 Colour accuracy initially: 3 SDCM
 Fixation of the reflector: click-in
 Plastic clear cover to protect reflector
 Holder: PBT black
 Temperature depends on installation situation and has to be checked by the luminaire manufacturer
 Use of external LED constant-current drivers required
 Leads: Cu tinned, stranded conductors AWG22
 FEP-insulation and PVC sleeve length: 200 mm
 With integrated cord grip



Colour of components

Heatsink: black
 Holder: black
 Outer part of reflector: black
 Inner part of reflector: metallized

Electrical Characteristics

at $T_p=60^\circ\text{C}$

Type	VOLTAGE DC (V)				Power consumption (W)			
	200mA typ.	250mA typ.	300mA typ.	350mA min.	200mA typ.	250mA typ.	300mA typ.	350mA min.
Engine/Active VCA2-123	33,7	34,3	34,8	35,2	6,7	8,6	10,4	12,3

Maximum Ratings

Exceeding the maximum ratings can lead to destruction of the module.

Type	Ambient temperature range at T_c point		Operation temperature range at T_c point		Storage temperature		Max. allowed repetitive peak current mA
	$^\circ\text{C}$ min.	$^\circ\text{C}$ max.	$^\circ\text{C}$ min.	$^\circ\text{C}$ max.	$^\circ\text{C}$ min.	$^\circ\text{C}$ max.	
Engine/Active VCA2-123	"-20"	45	"-25"	80	"-40"	90	600

Engines max 300mA

Type	Ref.No.	Colour	Correlated colour temperature	Typ luminous flux and efficacy at						CRI
				200mA lm	lm/W	250mA lm	lm/W	300mA lm	lm/W	
				Pel=6,7W/Vf=33,7V		Pel=8,6W/Vf=34,3V		Pel=10,4W/Vf=34,8V		
Engine VCA2-123 927	571875	warm white	2700	890	133	1095	127	1295	125	92
Engine VCA2-123 930	572145	warm white	3000	955	143	1165	135	1380	133	92
Engine VCA2-123 940	572146	neutral white	4000	980	146	1200	140	1420	137	92

Reflectors

Ref.No.	For LED modules	Beam angle $^\circ$	Cover	Optical efficiency %	Weight g
603685	Eng. VCA2-123/Eng. 6.2	16	clear	87	10
603687	Eng. VCA2-123/Eng. 6.2	24	clear	86	10
604919	Eng. VCA2-123/Eng. 6.2	40	frost	87	10
603686	Eng. VCA2-123/Eng. 6.2	19	frost	86	10
603688	Eng. VCA2-123/Eng. 6.2	26	frost	85	10
604920	Eng. VCA2-123/Eng. 6.2	42	frost	85	10