

EVO 75 / EVO 90

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

Technical Notes

Reflector diameter: 75/90mm (EVO75/EVO90), aluminium, bayonet fixing
 Reflectors can be interchangeable between the 2 products
 COB pcb material: aluminium
 Heat sink material: aluminium
 Lumen maintenance: L80/B10- 50.000h:
 65 °C on Tp point
 Colour accuracy initially: 3 SDCM
 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: 600 mm
 With integrated cord grip

Colour of components
 Heatsink: black
 Holder: black
 Reflectors: aluminium



Electrical Characteristics

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

Type	VOLTAGE DC (V)				Power consumption (W)			
	350mA typ.	500mA typ.	600mA typ.	700mA min.	350mA typ.	500mA typ.	600mA typ.	700mA min.
EVO 75/90 VCA2-128	32,4	33,1	33,5	33,8	11,3	16,6	20,1	23,7

Maximum Ratings

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

Type	Ambient temperature range at Tc point		Operation temperature range at Tc point		Storage temperature		repetitive peak current mA
	°C min.	°C max.	°C min.	°C max.	°C min.	°C max.	
EVO 75/90 VCA2-128	"-25"	45	"-25"	80	"-40"	90	1400

LED Engine EVO 75

Type	Ref.No.	Colour	Correlated colour temperature	Typ luminous flux and efficacy at				CRI
				350mA lm	lm/W	500mA lm	lm/W	
E.EVO 75 VCA2-128 927	572139	warm white	2700	1665	147	2295	138	92
E.EVO 75 VCA2-128 930	572140	warm white	3000	1770	157	2425	146	92
E.EVO 75 VCA2-128 940	572141	neutral white	4000	1820	161	2495	150	92

LED Engine EVO 90

Type	Ref.No. Black	Colour	Correlated colour temperature	Typ luminous flux and efficacy at						CRI
				500mA lm	lm/W	600mA lm	lm/W	700mA lm	lm/W	
E.EVO 90 VCA2-128 927	572142	warm white	2700	2295	138	2695	134	3070	130	92
E.EVO 90 VCA2-128 930	572143	warm white	3000	2425	146	3040	151	3490	147	92
E.EVO 90 VCA2-128 940	572144	neutral white	4000	2495	150	3130	156	3595	152	92

Reflectors EVO75

Ref.No.	Beam characteristic	Efficiency
Reflector dia. 75 H=40		
557152	narrow	90,0%
557153	medium	91,0%
557154	wide	90,0%
562157	extra wide	91,0%

Reflectors EVO90

Ref.No.	Beam characteristic	Efficiency
Reflector dia. 90 H=50		
557359	narrow	90,0%
557360	medium	91,0%
557361	wide	90,0%
563446	extra wide	90,0%