

PRODUCT DATASHEET

StockCode:	CEB1064, CEB1070, CEB1072	Date:	24/08/2022
Description:	AVG4 Polestar Belisha Beacon	Rev:	4
Product Group:	CEB	Status:	Current
Doc Ref:	PDS-0015-04		



Electrical:

Rated operational voltage (Ue)	230V ac (min 176V, max 264V)
Rated frequency (f)	50/60 Hz
Rated current (Ie)	2A
Rated insulation voltage (Ui)	500V ac
Rated impulse with-stand voltage (Uimp)	2.5 kV
Power factor (pF)	> 0.85

Mechanical:

Gallery AVG4	76mm post top or outreach bracket
	Aluminium grade LM6
	Finish powder coat black (80 microns min)
	Fixings A4 marine grade stainless steel
Halo Ring	Aluminium grade LM6
	Finish powder coat black (80 microns min)
	Polycarbonate lenses
	162 LEDs each side
Globes to fit Gallery AVG4	Amber, Hi Glow Amber (note 1)
	Nominal sphere diameter 300 mm
	Thickness, sphere 2mm, at the neck 3 mm
	Material polyethylene MDPE UV8 stabilised
	Rotationally moulded for uniformity
Light Source Driver	Polestar
Pre-wired flexible cable	Flexible Cable 2.5/3C Artic Grade Blue (3183YAG)
	Length 6 m
Impact protection	IK08
Ingress protection	IP54

Note: we reserve the right to change the above information without prior notice.
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Overall dimensions with Halo (W x H x D)	420 x 450 x 300 mm
Weight (fully fitted)	6 Kg

Normal Service Conditions:

Ambient air temperature for operation	-20 °C to +35 °C
Altitude	< 2000m
Humidity	90 - 95% @ 20-30 °C
Pollution degree	3
Service life (LEDs)	L80 B10 @ 50000 hours

Operation:

Flash rate	40 ± 4 per minute (note 1)
Light period ON	50% & 60% of total cycle time (note 1)
Light period OFF	≤ 0.75 seconds (note 1)
Flash synchronization	No
Lamp driver	Constant current

Dimming:

V1 - Beacon & Halo	100% ON (no dimming)
V2 - Beacon & Halo	50% at dusk by photocell (note 2)
V3 - as V2 above	Halo OFF at midnight (note 2)

Luminous flux (lm):

Amber Globe	366
Hi-Glow Amber Globe (note 2)	778

Efficacy (lm/W):

Amber Globe	48
Hi-Glow Amber Globe (note 2)	103

Chromaticity & Luminance:

Chromaticity coordinates CIE 15 [N2] - Night	X = 0.4773, Y = 0.5111
Chromaticity coordinates CIE 15 [N2] - Day	X = 0.4407, Y = 0.5003
Luminance 300 to 1200 cd/m ²	1058 cd/m ²
Uniformity of uminance > 0.66	0.940

Standards:

BS 8442:2022	
BS EN 60598-2-1	
BS EN 60598-1	
EN 55015	
EN 61000-3-2	
EN 61000-3-3	
EN 61547	
EN 60529	
IEC 60598-2-3	

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IEC 62321-4, 5, 6, 7, 8

UK Regulations:

Electrical Equipment (Safety) Regulations 2016	No. 1011
Electromagnetic Compatibility Regulations 2016	No. 1091
The Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012	- No. 3032

EU Directives:

LVD 2014/35/EU	
EMC 2014/30/EU	
RoHS 2011/65/EU	

Stock Codes / Description:

CEB1064	AVG/P/F400 (see note 3)
CEB1070	AVG/P/F400/PSL (see note 3)
CEB1072	AVG/P/F400/PSL/Halo (see note 3)

Stock Code / UMSUG Code:

CEB1064, CEB1070	79 46 018 000 100
CEB1072	79 46 035 000 100

Patent:

Patent No. GB2569100	
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Related Documents:

Technical specification AVG4	
UK Declaration of Conformity	
EU Declaration of Conformity	

Notes:

<p>Note 1: Units fitted with Hi-Glow globes are none standard and require special order.</p> <p>Note 2: Dimming variants V2 & V3 are none standard and will require special programming and stock codes.</p> <p>Note 3: AVG = Anti vandal gallery type 4, P = Polstar LED driver, F = Flashing (Amber Globe), PSL = Photocell & Spot Light, Halo = LED Outer Ring</p>

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