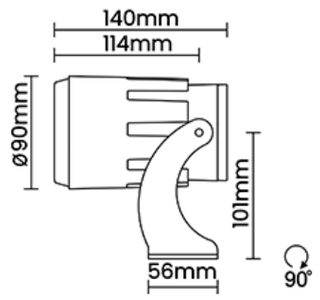
ABBY LIGHTING

220V 240V 50/60Hz | IP65 | L80B10 >50,000h | MacAdam Step 2 | Tilt | UGR<16 | CRI 90

GrassHopper | 12W





Product Reference

Environment Outdoor

Installation Ceiling Surface,Floor Surface,Wall Surface,Wall Surface

Construction & Materials

Housing Die Cast Aluminium

Primary Lens PMMA

Primary Reflector -

Secondary Reflector -

Body Finish Black,Grey

Diffuser -

Antiglare Baffle -

Thermal Management

Heat Sink Material Die cast Aluminium

Cooling Technique Passive Cooling

Optical System

Beam Direction Adjustable

Tilt Yes

Swivel No

Electrical System

Driven with Constant Current Driver

Input Voltage/Hz 220V- 240V/50-60Hz

Control Gear Included

Mounting Integral

LED Power Watts 10.6W

System Power Watts 12.2W

Operating Voltage Vin 220-240 Vac

Power Factor p.f. > 0.95

Light Distribution

LED Technology

Binning 2 Step MacAdam

LED Life Time @ L80/B10 >50000 hours

Colour Rendering (CRI) CRI90

Led Type SMD high power

LED Fitted Osram LED 12V-15Vdc/700mA

Controls

Standard Switchable On/Off

Optional Non Dimmable

Ordering Details

Code Example:	Name	Watt	CCT	CRI	Angle	Finish	Control
	GrassHopper	**12W**	**WW27K**	**CRI90**	**16°(SS)**	**SBL**	**On/Off**

Select one from each column with highlighted values to create the ordering code

NAME	WATT	LUMEN	EFFICACY	CCT		CRI	ANGLE	FINISH		CONTROL	
GrassHopper	**12W**	1013	83	2700K	**WW27K**	**CRI90**	16°(SS)	Black	**SBL**	Non Dimmable	**On/Off**
		1049	86	3000K	**WW30K**		25°(MD)	Grey	**GGT**		
		1098	90	4000K	**NW40K**		46°(WD)				
		1122	92	5700K	**CW57K**						
GrassHopper	**12W**			**WW27K**		**CRI90**	**16°(SS)**	**SBL**		**On/Off**	