



**ABBY**  
LIGHTING

OUTDOOR : GRASSHOPPER S5 12W

**TECHNICAL SPECIFICATIONS**

**PRODUCT REFERENCE**

Environment Outdoor  
Installation Ground / Wall Surface

**CONSTRUCTION & MATERIALS**

Housing Extruded Aluminium Light Head  
Housing Aluminium Die Cast Body  
Lens or Diffuser Clear Tempered Glass  
Finish Standard Anti Ageing Powder Coated Grey

**THERMAL MANAGEMENT**

Heat Sink Material Aluminium  
Cooling Technique Passive

**OPTICAL SYSTEM**

Beam Angles (FWHM)<sup>o</sup> Spot (16), Medium (24), Wide (44)  
Beam Direction Fixed  
Tilt Yes  
Swivel No

**ELECTRICAL SYSTEM**

Driven With Constant Current Driver  
Input Voltage 220V-240V  
Input Power 13.21w  
ATHD <10%  
Control Gear Mounting Intergral



**DIMMING**

Dimming Options Consult ABBY Representative

**LED TECHNOLOGY**

Led Fitted CREE  
Lumen Output System (Delivered)\* 991 1030 1060  
Efficacy (System - lm/watt)\* 75 78 80  
Co-related Colour Temp. 3000K 4000K 6000K  
Led Life Time @ L70 / B10 50,000 hours  
Colour Rendering CRI >80  
Driven Constant Current 700mA  
Output Voltage 15v

**ORDERING INFORMATION**

While ordering mention **one code from each** of the following columns

PRODUCT CODE	LED COLOUR	BEAM ANGLE	FINISH	DIMMING OPTION
GRASSHOPPER S5 12W	Warm White 3000K WW30K	Spot (16) SS	Grey	Non Dimmable
	Neutral White 4000K NW40K	Medium (24) MD		1-10v Dimmable Driver A Dim
	Cool White 6000K CW60K	Wide (44) WD		Phase Dimmable Driver PC Dim
				Dali Dimmable Driver D Dim

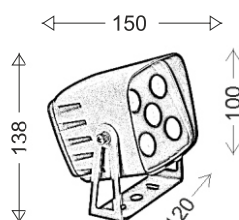
**GRASSHOPPER S5 12W - CW60K - MD - -**

This is the ordering code for a GRASSHOPPER S5 12W in Cool White, Medium Beam, Grey Finish, and Non Dimmable Driver.

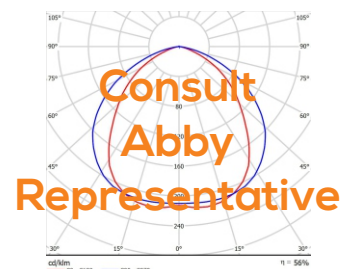
**INSTALLATION**

Brackets (Provided)

**LINE DRAWING**



**PHOTOMETRY**



Abby tries to ensure all data and information is correct at the time of publication. Data provided is for information purposes only. \*Output data figures stated are typical values Medium Beam.