



TECHNICAL SPECIFICATIONS

PRODUCT REFERENCE

Environment	Indoor
Installation	Ceiling Recess

CONSTRUCTION & MATERIALS

Housing	Aluminium
Lens or Diffuser	PC Metallised Reflector
Reflector	PC Black Raster
Finish	Powder Painted White / Black

THERMAL MANAGEMENT

Heat Sink Material	Aluminium
Cooling Technique	Passive

OPTICAL SYSTEM

Beam Angles (FWHM)°	Spot (20), Medium (26), Wide (40)
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Beam Direction	Fixed
Tilt	No
Swivel	No

ELECTRICAL SYSTEM

Driven With	Constant Current Driver
Input Voltage	220V-240V
Input Power	3.08w
Power Factor	>0.6
ATHD	-
Control Gear Mounting	Remote

DIMMING

Dimming Options	Consult ABBY Representative
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LED TECHNOLOGY

Led Fitted	CREE
Lumen Output System (Delivered)*	261 276 287
Efficacy (System - lm/watt)*	85 90 94
Co-related Colour Temp.	3000K 4000K 6000K
Led Life Time @ L70 / B10	50,000 hours
Colour Rendering CRI	>80



ORDERING INFORMATION

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

PRODUCT CODE	LED COLOUR	BEAM ANGLE	FINISH	DIMMING OPTION
DARK KNIGHT PLUS 1 3W	Warm White 3000K Neutral White 4000K Cool White 6000K	Spot (20) Medium (26) Wide (40)	White Black	Non Dimmable 1-10v Dimmable Driver Phase Dimmable Driver Dali Dimmable Driver
	WW30K NW40K CW60K	SS MD WD	SWH SBL	A Dim PC Dim D Dim

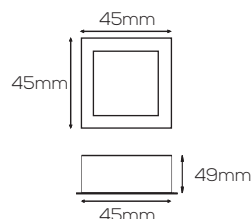
DARK KNIGHT PLUS 1 3W - CW60K - MD - SWH - D Dim

This is the ordering code for a DARK KNIGHT PLUS 1 3W in Cool White, Medium Beam, White Finish, and Dali Dimmable Driver.

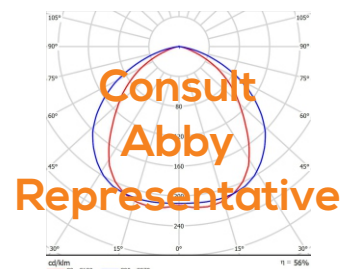
INSTALLATION

Cutout in mm	37 mm x 37mm
Min void in ceiling height	60 mm
Installation by	Spring clips

LINE DRAWING



PHOTOMETRY



APPLICATION LEGEND



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 for Medium Beam.