431182-90 | Technical Specification

Industrial

Netherton Linear High Bay 120W 5000K Black Plug & Play IP65 50x90D

General Data

Technology	LED
Mounting options	Ceiling Hooks | Cable | Rotary Bracket
Install Options	Suspension | Ceiling | Wall
Electrical Connector Type	Flying Lead
Input Cable	1.5m H05RN-F 3-Core
Input Electrical Connection	Live | Neutral | Earth
General Application	Industrial
Operating Temperature Range °C	-30 - +40
Warranty (Years)	5

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Optical Data

LED Manufacturer / Type	MTC | 2835
Fixture Luminous Flux (Lm)	21000
Luminaire Efficacy @5000K (lm/W)	170
LOR %	100
Colour Selectable	No
Beam Angle°	50x90
Photobiological Risk Group	RG1

Light Source Data

Energy Class	B
Colour Temperature (K)	5000
Light Colour	Daylight
CRI Ra	>70

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Electrical Data

Wattage (W)	120
Total power consumption (W)	119.42
Mains voltage (V)	120 - 240
Lamp power factor	>95
Electrical protection	Class I
Driver Output (V)	182
Driver Output Current (mA)	587
Control Gear Type CC or CV	Constant Current
SVM	0.01
PstLM	0.02
LED Flicker Rate	0.27
Dimmable	No
Driver Brand	Sosen
Nominal Frequency (Hz)	50/60
Surge Protection (kV)	6

Lifetime Data

Lifespan L70 B50 @25°C (Hrs)	>60,000
Lifespan L80 B20 @25°C (Hrs)	>60,000
Lifespan L90 B10 @25°C (Hrs)	51,000

Emergency Data

Emergency Output	650

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Physical Data

Housing Colour	Black RAL 9017
Body Material	Aluminium
IP Rating	65
IK Rating	8
Diffuser Material	PC
Nominal Product Length (mm)	876
Nominal Product Width (mm)	102
Nominal Product Height (mm)	100
Weight (kg)	2.96

Standards and Approvals

Manufactured In Accordance To	EN 60598-1
CE Mark	Yes
UKCA Mark	Yes
WEEE Symbol	Yes
Certificate of Conformity	Available on Request
Accredited Members	LIA, ISO9001

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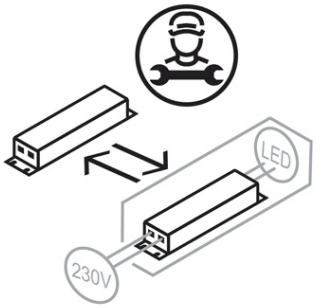

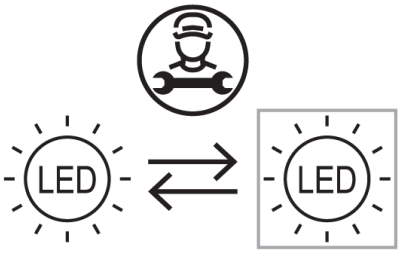

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