

430120

Technical Specification

Industrial

Derwent Low Bay 100W 5000K White



Light weight with clean slim design, Supplied with 1m prewired cable, PMMA diffuser



General Data

Technology	LED
Mounting options	Ceiling Suspension
Install Options	Loop Hanging
Electrical Connector Type	Flying Lead
Input Cable	1.0m H05RN-F 3-Core
Input Electrical Connection	Live Neutral Earth
General Application	Industrial
Operating Temperature Range °C	0 - +40
Warranty (Years)	5

430120

Technical Specification

Optical Data

LED Manufacturer / Type	LG
Fixture Luminous Flux (Lm)	14056
Luminaire Efficacy @5000K (lm/W)	131
LOR %	100
Colour Selectable	No
Beam Angle°	100
Photobiological Risk Group	RG1

Light Source Data

Energy Class	E
Lm/W	131
Colour Temperature (K)	5000
Light Colour	Daylight
CRI Ra	80

430120
Technical Specification
Electrical Data

Wattage (W)	100
Total Power Consumption (W)	107.3
Lamp power factor	0.95
Electrical protection	Class I
Driver Output (V)	20 - 54
Driver Output Current (mA)	1050
Control Gear Type CC or CV	Constant Current
Dimmable	No
Driver Brand	Tridonic
Nominal Frequency (Hz)	50/60
Surge Protection (kV)	2
Max. Luminaire per 10A C Breaker	8
Max. Luminaire per 13A C Breaker	10
Max. Luminaire per 16A C Breaker	14
Max. Luminaire per 20A C Breaker	18
Max. Luminaire per 10A B Breaker	6
Max. Luminaire per 13A B Breaker	9
Max. Luminaire per 16A B Breaker	11
Max. Luminaire per 20A B Breaker	15

Lifetime Data

Lifespan L70 B50 @25°C (Hrs)	50000
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430120

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Physical Data

Housing colour	White RAL 9003
Body material	Sheet Metal
Driver Housing	Sheet Metal
IP Rating	20
IK Rating	4
Diffuser Material	Polycarbonate
Diffuser finish	Frosted
Nominal Product Length (mm)	712
Nominal Product Width (mm)	352
Nominal Product Height (mm)	83
Weight (kg)	5.1

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

