

Sports Lighting

Linear High Bay 180W 5000K 85° Optic Grey



Fresnel optics for improved glare control Tough, Impact resistant IK10 housing, Plug & Play Options:, Grafham High Output Emergency Pack, Alwen Zhaga Microwave sensor, Alwen Zhaga PIR Sensor, Alwen Zhaga truSmart PIR sensor



General Data

Technology	LED
Mounting options	Mounting Fixed
Electrical Connector Type	Flying Lead
Install Options	Suspension Bracket
Input Cable	1.5m H05RN-F 3-Core
Input Electrical Connection	Live Neutral Earth
General Application	Industrial
Operating Temperature Range °C	-30 - +50
Warranty (Years)	5

Optical Data

LED Manufacturer / Type	Seoul
Fixture Luminous Flux (Lm)	28846
Luminaire Efficacy @5000K (lm/W)	162
LOR %	100
Colour Selectable	No
Beam Angle°	85
Photobiological Risk Group	RG1

Light Source Data

Energy Class	D
Lm/W	162
Colour Temperature (K)	5000
Light Colour	Natural Light
CRI Ra	80

Electrical Data

Wattage (W)	180
Total power consumption (W)	177.5
Mains voltage (V)	100 - 240
Lamp power factor	>0.92
Electrical protection	Class I
Driver Output (V)	95 - 190
Driver Output Current (mA)	0.35 - 1.5
Control Gear Type CC or CV	Constant Current
SVM	0.86
PstLM	0.41
LED Flicker Rate	26.4
Dimmable	Yes
Dimmable Type	0 - 10
Driver Brand	Sosen
Nominal Frequency (Hz)	50 60
Surge Protection (kV)	6
Max. Luminaire per 10A C Breaker	7
Max. Luminaire per 13A C Breaker	9
Max. Luminaire per 16A C Breaker	14
Max. Luminaire per 20A C Breaker	18
Max. Luminaire per 10A B Breaker	5
Max. Luminaire per 13A B Breaker	7

Max. Luminaire per 16A B Breaker	10
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Max. Luminaire per 20A B Breaker	14
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Lifetime Data

Lifespan L70 B50 @25°C (Hrs)	82000
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Lifespan L80 B20 @25°C (Hrs)	50000
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Lifespan L90 B10 @25°C (Hrs)	40000
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Physical Data

Housing Colour	Grey
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Body Material	Diecast Aluminium
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Driver Housing	Aluminium
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IP Rating	65
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IK Rating	10
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Diffuser Material	Polycarbonate
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Diffuser Finish	Clear
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Nominal Product Length (mm)	680
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Nominal Product Width (mm)	325
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Nominal Product Height (mm)	60
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Weight (kg)	6.7
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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

