LINEAR HIGH BAY

Netherton Plus

Netherton Plus Wattage Selectable Linear High Bay Plug & Play - Black

Product code **421510**



Power	**60W / 80W / 100W**
Luminous flux	**10,200 / 13,600 / 17,000 lm**
Efficacy	**170 lm/W**
Colour temperature	**5000K**
Beam angle	**90° / 70D°**
Protection	**IP65 · IK08**
Lifetime L70	**120,000 h**
Warranty	**5 years**

Introduction

Adjustable wattage and beam angles for warehouse racking layouts.

Features

- Wattage Selectable Via Dip Switch
- Optic Selectable Via Dip Switch
- Lightweight Design
- Optics Ideal For Racked Aisles
- Supplied With 1.5m Suspension Kit
- Plug & Play Enabled - Sensors & Emergency

Certification and options

Plug & Play enabled · Ingress protection (IP65) · Impact rating (IK08) · UKCA marked · CE marked · Energy class B

Recommended applications

Warehouse aisles, manufacturing, sports halls






Specification

Optical

Luminous flux	**10,200 / 13,600 / 17,000 lm**
Efficacy	**170 lm/W**
Colour temperature	**5000K**
Colour rendering	**Ra 80**
Colour consistency	**5 SDCM**
Beam angle	**90° / 70D°**
Glare (UGR)	**<25**
Flicker	**Flicker Free**

Electrical

Power	**60W / 80W / 100W**
Supply voltage	**220 - 240V AC**
Frequency	**50 Hz / 60 Hz**
Driver type	**CC**
Driver	**Sosen**
Dimming	**0-10V / DALI / PWM**

Lifetime and warranty

Lifetime L70	**120,000 h**
Lifetime L80	**100,000 h**
Lifetime L90	**50,000 h**
Energy class	**B**
Warranty	**5 years**
Replaceable driver	**Professional**
Replaceable light source	**Professional**

Construction

Ingress protection	**IP65**
Impact resistance	**IK08**
Electrical class	**Class I**
Body	**Aluminium**
Diffuser	**Polycarbonate**
Colour (RAL)	**RAL 9004**
Location	**Internal**
Socket	**Zhaga**
Dimensions (L x W x H)	**465 x 111 x 131 mm**
Weight	**1.35 kg**

Installation

Connection	**Cable Mounted / Surface**
Ambient temperature	**-30 to +50 °C**

Values are nominal. Luminous flux and efficacy are for the complete luminaire. Specifications may change without notice; the product page always carries the latest version.

Plug & Play options

Emergency option · from 430964, 431431

Emergency pack	**430964** Grafham 4W E-SEL3 Linear High Bay	**431431** Grafham 5W E-SEL3 Linear High Bay
Emergency power	**4 W**	**5 W**
Duration	**3 hours**	**3 hours**
Mode	**Maintained/Non-Maintained**	**Maintained/Non-Maintained**
Battery	**6.4V 3.6Ah LiFePO4**	**6.4V 4.5Ah LiFePO4**
Recharge time	**24 hours**	**24 hours**
Pack protection	**IP65**	**IP65**
Pack size	**276 x 110 x 56 mm**	
Emergency output	**approx. 680 lm**	**approx. 850 lm**

Plug & Play option: fitted on site, ordered separately.

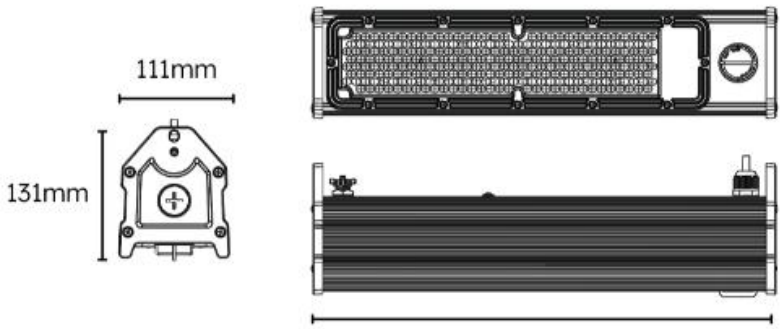
Emergency output is calculated from the pack's emergency power and the luminaire's efficacy.

Sensor option · from 430568, 431206, 430625-SMB

CODE	DESCRIPTION	TECHNOLOGY	SWITCHING	DETECTION RADIUS	HOLD TIME	MAX. MOUNTING HEIGHT	GROUPING	STANDBY POWER	CONTROL
430568	Alwen PIR Sensor 12M	PIR	On-Off	1 - 8 m	10 sec - 60 min	12 m	–	–	App Based
431206	Alwen PIR Sensor 16M	PIR	Step-Dim	1- 9 m	10 sec - 60 min	16 m	–	0.5 W	Remote
430625-SMB	truSmart Crown PIR Sensor	PIR	On-Off	–	5 sec - ∞	15 m	Grouping	–	App Based

Plug & Play option: fitted on site, ordered separately.

Dimensions



421510: 465mm **421511:** 855mm

Ordering information · Netherton Plus

CODE	DESCRIPTION	POWER	LUMINOUS FLUX	EFFICACY	CCT	BEAM
421510	**Netherton Plus Wattage Selectable Linear High Bay Plug & Play - Black**	**60W / 80W / 100W**	**10,200 / 13,600 / 17,000**	**170 lm/W**	**5000K**	**90° / 70D°**
421511	Netherton Plus Wattage Selectable Linear High Bay Plug & Play - Black	120W / 150W / 200W	20,400 / 25,500 / 34,000	170 lm/W	5000K	90° / 70D°

Compatible modules and accessories

	CODE	DESCRIPTION
	401754	Alwen PIR Highbay Remote
	430569	Alwen Plug & Play 12V Microwave Sensor 12M Black (Zhaga)
	430568	Alwen Plug & Play 12V PIR Sensor 12M Black (Zhaga)
	431206	Alwen Zhaga Plug & Play PIR Sensor 16M
	430964	Grafham 4W E-SEL3 Linear High Bay Emergency Conversion Pack 20-55V DC 100mA LifePO4 6.4V DC 3.3Ah Plug & Play
	431431	Grafham 5W E-SEL3 Linear High Bay Emergency Conversion Pack 20-30V DC 250mA LifePO4 6.4V DC 4.5Ah Plug and Play
	430625	truSmart Crown Zhaga Plug & Play 12V PIR Sensor Black

DOWNLOADS

Photometric files (LDT), installation instructions and the latest datasheet are on the product page:

www.lumineux.co.uk/shop/421510-netherton-plus-high-bay-60w-80w-100w-5000k-ip65-black-plug-play-90-70d-62878

WARRANTY AND SUPPORT

5 years warranty. Terms at www.lumineux.co.uk/product-warranty-on-site-warranty.

Free lighting design and technical support: 01507 328031, support@lumineux.co.uk