LINEAR HIGH BAY

Netherton

Netherton Linear High Bay - Black Plug & Play 50x90D

Product code **431181-90**

Power	**80W**
Luminous flux	**13,600 lm**
Efficacy	**170 lm/W**
Colour temperature	**5000K**
Beam angle	**50x90°**
Protection	**IP65 · IK08**
Lifetime L70	**50,000 h**
Warranty	**5 years**



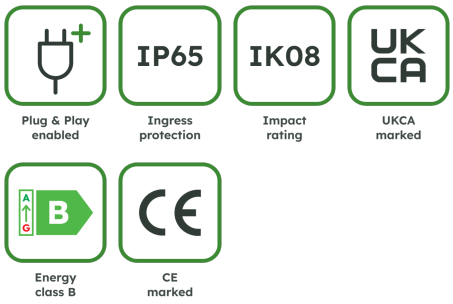
Introduction

Asymmetric optics direct light along racking and storage aisles.

Features

- Optics ideal for racked aisle
- Supplied with 1.5M prewired HO5RN-F cable
- IP65 & IK08 Rated
- 30º x 70º or 60º x 90º optic options
- Plug & Play Enabled – Sensors and Emergency
- Suspension kit included
- 5 Year Product Warranty

Certification and options

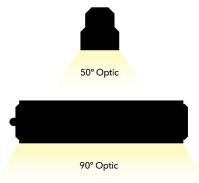


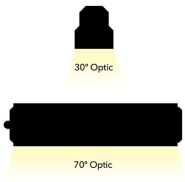
Recommended applications

Warehouse aisles, manufacturing, sports halls









Specification

Optical

Luminous flux	**13,600 lm**
Efficacy	**170 lm/W**
Colour temperature	**5000K**
Colour rendering	**Ra 80**
Beam angle	**50x90°**
Distribution	**Symmetric**

Electrical

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

Lifetime and warranty

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

Construction

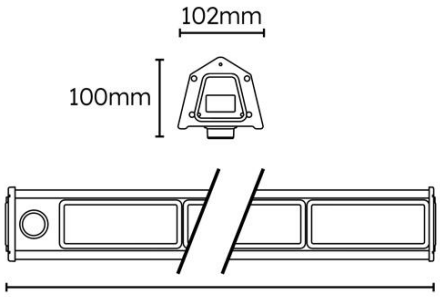
Ingress protection	**IP65**
Impact resistance	**IK08**
Electrical class	**Class I**
Body	**Aluminium**
Diffuser	**Polycarbonate**
Colour (RAL)	**RAL 9017**
Location	**Internal**
Socket	**Zhaga**
Dimensions (L x W x H)	**645 x 102 x 100 mm**

Installation

Mounting	**BESA/Conduit**
Connection	**1.5m H05RN-F**
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.

Dimensions



80W: 645mm, **120W:** 876mm
160W: 1107mm, **200W:** 1107mm

Ordering information · Netherton

CODE	DESCRIPTION	POWER	LUMINOUS FLUX	EFFICACY	CCT	BEAM
431182-90	Netherton Linear High Bay - Black Plug & Play 50x90D	75W / 95W / 120W	20,400	170 lm/W	5000K	50x90°
431181-70	Netherton Linear High Bay - Black Plug & Play 30x70D	80W	13,600	170 lm/W	5000K	30x70°
431181-90	**Netherton Linear High Bay - Black Plug & Play 50x90D**	**80W**	**13,600**	**170 lm/W**	**5000K**	**50x90°**
431183-90	Netherton Linear High Bay - Black Plug & Play 50x90D	95W / 130W / 160W	27,200	170 lm/W	5000K	50x90°
431184-90	Netherton Linear High Bay - Black Plug & Play 50x90D	120W / 160W / 200W	34,000	170 lm/W	5000K	50x90°
431182-70	Netherton Linear High Bay - Black Plug & Play 30x70D	120W	20,400	170 lm/W	5000K	30x70°
431183-70	Netherton Linear High Bay - Black Plug & Play 30x70D	160W	27,200	170 lm/W	5000K	30x70°
431184-70	Netherton Linear High Bay - Black Plug & Play 30x70D	200W	34,000	170 lm/W	5000K	30x70°

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
	421363	Brackets for Emergency Conversion with 430964 (Netherton P&P) Pair
	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
	431198	Netherton Linear High Bay Black Plug & Play Rotatable Bracket (Pair)
	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/431181-90-netherton-linear-high-bay-80w-5000k-ip65-black-plug-play-50x90d-55549

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