ROUND HIGH BAY

Meadley New

Meadley High Bay 100W 5000K IP65 90D Plug & Play

Product code **431331-90**



Power	**100W**
Luminous flux	**16,000 lm**
Efficacy	**160 lm/W**
Colour temperature	**5000K**
Beam angle	**90°**
Protection	**IP65 · IK08**
Lifetime L70	**100,000 h**
Warranty	**5 years**

Introduction

Fixed-wattage models with sensor and emergency options.

Features

- Supplied with 1M prewired HO5RN-F cable
- Lifud LED driver
- IP65 & IK08 Rated
- 90º or 120º optic options
- Plug & Play Enabled – Sensors and Emergency
- 5 Year Product Warranty

Certification and options

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

Recommended applications

Warehousing, distribution centres, manufacturing, sports halls

Specification

Optical

Luminous flux	**16,000 lm**
Efficacy	**160 lm/W**
Colour temperature	**5000K**
Colour rendering	**Ra 70**
Colour consistency	**5 SDCM**
Beam angle	**90°**
Distribution	**Symmetric**
Flicker	**Flicker Free**

Electrical

Power	**100W**
Supply voltage	**220-240V AC**
Frequency	**50 Hz / 60 Hz**
Driver type	**CC**
Driver	**Lifud**
Dimming	**truSmart**

Lifetime and warranty

Lifetime L70	**100,000 h**
Lifetime L80	**80,000 h**
Lifetime L90	**50,000 h**
Energy class	**C**
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)	**260 x 260 x 130 mm**
Weight	**1.4 kg**

Installation

Mounting	**BESA/Conduit**
Connection	**1.0m 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.

Plug & Play options

Emergency option · from 430965, 431430

Emergency pack	**430965** Grafham 4W E-SEL3 High Bay	**431430** Grafham 5W E-SEL3 High Bay
Emergency power	**4 W**	**–**
Duration	**3 hours**	**3 hours**
Mode	**Maintained/Non-Maintained**	**Maintained/Non-Maintained**
Battery	**6.4V 3.6Ah LiFePO4**	**–**
Recharge time	**24 hours**	**24 hours**
Pack protection	**IP65**	**–**
Pack size	**276 x 110 x 56 mm**	
Emergency output	**approx. 640 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 430625-SMB

Sensor	**430625-SMB** truSmart Crown Zhaga Plug & Play 12V PIR Sensor Black
Technology	**PIR**
Switching	**On-Off**
Hold time	**5 sec - ∞**
Max. mounting height	**15 m**
Grouping	**Grouping**
Control	**App Based**

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

Ordering information · Meadley New

CODE	DESCRIPTION	POWER	LUMINOUS FLUX	EFFICACY	CCT	BEAM
431331-120	Meadley High Bay 100W 5000K IP65 120D Plug & Play	100W	16,000	160 lm/W	5000K	120°
431331-90	**Meadley High Bay 100W 5000K IP65 90D Plug & Play**	**100W**	**16,000**	**160 lm/W**	**5000K**	**90°**
431332-120	Meadley High Bay 150W 5000K IP65 120D Plug & Play	150W	24,000	160 lm/W	5000K	120°
431332-90	Meadley High Bay 150W 5000K IP65 90D Plug & Play	150W	24,000	160 lm/W	5000K	90°
431333-120	Meadley High Bay 200W 5000K IP65 120D Plug & Play	200W	32,000	160 lm/W	5000K	120°
431333-90	Meadley High Bay 200W 5000K IP65 90D Plug & Play	200W	32,000	160 lm/W	5000K	90°

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
	430965	Grafham 4W E-SEL3 High Bay Emergency Conversion Pack 20-55V DC 100mA LifePO4 6.4V DC 3.6Ah Plug & Play
	431430	Grafham 5W E-SEL3 High Bay Emergency Conversion Pack 20-30V DC 250mA LifePO4 6.4V DC 4.5Ah Plug & 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/431331-90-meadley-high-bay-100w-5000k-ip65-plug-play-90d-60513

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