ROUND HIGH BAY

Meadley Plus

Meadley Plus All-in-one High Bay Black Plug & Play 90/120D

Product code **431324**

Power	**90W / 120W / 150W**
Luminous flux	**15,300 / 20,400 / 25,500 lm**
Efficacy	**170 lm/W**
Colour temperature	**4000K / 5000K / 6000K**
Beam angle	**90° / 120°**
Protection	**IP65 · IK08**
Lifetime L70	**100,000 h**
Warranty	**5 years**



Introduction

Set the wattage. Choose the colour. Adjust the beam. An adaptable high bay for warehouses and industrial spaces.

Features

- 3x Wattage Selectable via dip switch
- 3CCT Selectable via dip switch – 4000K, 5000K, 6000K
- Beam angle selectable via dip switch 90º or 120º optic options
- Supplied with 1M prewired HO5RN-F cable
- Plug & Play Enabled – Sensors and Emergency
- Sosen LED driver
- IP65 & IK08 Rated
- 5 Year Product Warranty

Certification and options



Recommended applications

Warehousing, distribution centres, manufacturing, sports halls









Specification

Optical

Luminous flux	**15,300 / 20,400 / 25,500 lm**
Efficacy	**170 lm/W**
Colour temperature	**4000K / 5000K / 6000K**
Colour selection	**3CCT**
Colour rendering	**Ra 70**
Colour consistency	**5 SDCM**
Beam angle	**90° / 120°**
Distribution	**Symmetric**

Electrical

Power	**90W / 120W / 150W**
Supply voltage	**100-240V AC**
Frequency	**50 Hz / 60 Hz**
Driver type	**CC**
Driver	**Sosen**
Dimming	**0-10V / truSmart**

Lifetime and warranty

Lifetime L70	**100,000 h**
Lifetime L80	**80,000 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 9017**
Location	**Internal**
Socket	**Zhaga**
Dimensions (L x W x H)	**285 x 285 x 163 mm**
Weight	**1.7 kg**

Installation

Mounting	**BESA/Conduit**
Connection	**1m H05RN-F 1.0mm2**
Ambient temperature	**-40 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. 680 lm**	

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

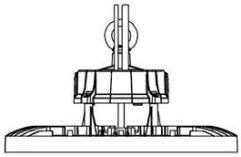
Emergency output is calculated from the pack's emergency power and the luminaire's efficacy.

Sensor option · from 430569, 430568, 431206, 430625

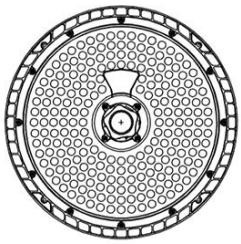
CODE	DESCRIPTION	TECHNOLOGY	SWITCHING	DETECTION RADIUS	HOLD TIME	MAX. MOUNTING HEIGHT	GROUPING	STANDBY POWER	CONTROL
430569	Alwen Microwave Sensor 12M	Microwave	On-Off	1 - 8 m	10 sec - 60 min	12 m	–	–	Remote
430568	Alwen PIR Sensor 12M	PIR	On-Off	1 - 8 m	10 sec - 60 min	12 m	–	–	App Based
431206	Alwen PIR Sensor 16M	PIR	Step-Dim	1- 9 m	10 sec - 60 min	16 m	–	0.5 W	Remote
430625	truSmart Crown PIR Sensor	PIR	On-Off	–	5 sec - ∞	12 m	Grouping	–	App Based

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

Dimensions



431323 & 431324: 163mm
431325: 155mm
431326: 173mm



431323 & 431324: 285mm
431325: 310mm
431326: 330mm

Ordering information · Meadley Plus

CODE	DESCRIPTION	POWER	LUMINOUS FLUX	EFFICACY	CCT	BEAM
431323	Meadley Plus All-in-one High Bay Black Plug & Play 90/120D	60W / 80W / 100W	10,200 / 13,600 / 17,000	170 lm/W	4000K / 5000K / 6000K	90° / 120°
431324	**Meadley Plus All-in-one High Bay Black Plug & Play 90/120D**	**90W / 120W / 150W**	**15,300 / 20,400 / 25,500**	**170 lm/W**	**4000K / 5000K / 6000K**	**90° / 120°**
431325	Meadley Plus All-in-one High Bay Black Plug & Play 90/120D	120W / 160W / 200W	20,400 / 27,200 / 34,000	170 lm/W	4000K / 5000K / 6000K	90° / 120°
431326	Meadley Plus All-in-one High Bay Black Plug & Play 90/120D	145W / 190W / 240W	24,650 / 32,300 / 40,800	170 lm/W	4000K / 5000K / 6000K	90° / 120°

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
	421490	Highbay Aluminium Reflector 90D Small
	421493	Highbay Polycarbonate Reflector 90D Small
	431173	Universal High Bay Rotatable Bracket

DOWNLOADS

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

www.lumineux.co.uk/shop/431324-meadley-plus-high-bay-90w-120w-150w-3cct-ip65-black-plug-play-90d-120d-60798

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