



# XYLUX LR

The Original LED Emergency Luminaire



**XYLUX<sup>®</sup> LR**



150 Lumens



3 Hours



SELV



3 cell NiMH

## High Performance Emergency LED Luminaire

### Discrete LED emergency lighting

The XYLUX LR is the original ultra-discreet recessed LED emergency luminaire. Its unique articulated design provides a robust and easy to install solution.

Available in a number of technological functions; including Central Battery and DALI the XYLUX LR represents the ultimate in multi-application emergency lighting that complements the overall aesthetic interior design.

Designed and produced by our team of highly qualified engineers the XYLUX LR is a practical alternative to standard emergency luminaires and offers an unobtrusive powerful emergency lighting solution.

### Key features:

- High performance 3 Watt LED
- Miniature design blends into the architectural environment
- Integral status indicator
- Available in maintained or non-maintained operation
- Various technology options available
- Articulated control gear for easy installation
- SELV compliant
- SmartCharge™ technology
- 3 hours emergency duration



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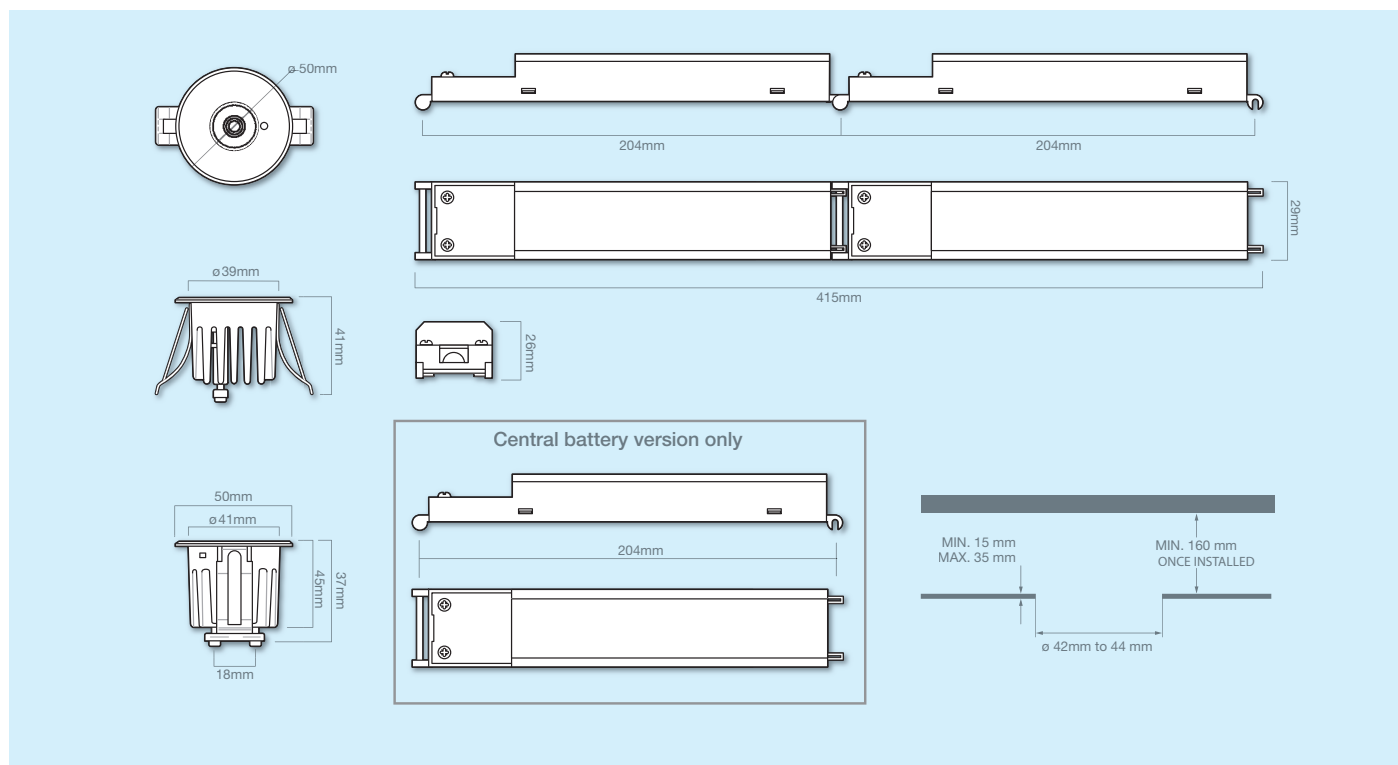




# XYLUX LR

High Performance Emergency LED Luminaire

## Dimensions



### Lamphead Specification

Lumen output (nominal)	: 150 lm
Weight of lamphead	: 65g
IP rating	: IP30

### Driver Specification

Supply voltage	: 230 V AC
Supply frequency	: 50/60 Hz
Supply current (max)	: 30 mA
Power factor	: 0.45
Total circuit power	: 3.4 W
Charge current (nominal)	: 200 mA
Output current (I <sub>out</sub> )	: 550 mA
Output voltage (V <sub>out</sub> ) (max)	: 4 V DC
Ambient temperature (ta)	: 0°C to +35°C
Max case temperature (tc)	: +70°C
Conductor size	: 0.5 to 1.5mm <sup>2</sup>
Weight	: 240g
Emergency duration	: 3 hours
Recharge period	: 24 hours

### Central Battery Version

Supply voltage	: 93-265 V DC/AC
Supply frequency	: 50/60 Hz
Supply current	: 30 mA at 230 V AC
Hold-off supply voltage	: 230 V AC
Hold-off supply frequency	: 50/60 Hz
Hold-off supply current	: 8.5mA
Hold-off changeover voltage	: 138-195 V AC
Ambient temperature (ta)	: 0°C to +40°C
Conductor size	: 0.5 to 1.5mm <sup>2</sup>
Weight of control gear	: 65g
IP rating	: IP30

### N-Light® EC Version

Battery charge current (nominal)	: 160mA
Ambient temperature (ta)	: 0°C to +35°C
Max case temperature (tc)	: +70°C
Weight of control gear	: 240g
IP rating	: IP30

### Relevant Standards

EN 61347-2-7
EN 61347-2-13
EN 60598-2-22
BS 5266-1
EN 62034
EN 62386
EN 62031
EN 62471

### Batteries

The luminaire includes a rechargeable 3.6V 2.2Ah NiMH battery pack for 3 hours operation.

### Technology features

SmartCharge™ applies an intermittent charging duty cycle designed for use with NiMH batteries. This provides energy efficient charging maintenance, reduced operating temperatures and optimum service life of NiMH batteries.



# XYLUX LR

## High Performance Emergency LED Luminaire

### Spacing information

#### Open-Area (based on min. 0.5 lux)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to wall (m)
2.0	5.37	2.48
2.5	5.94	3.34
3.0	6.69	3.34
3.5	7.15	3.72
4.0	8.01	3.96

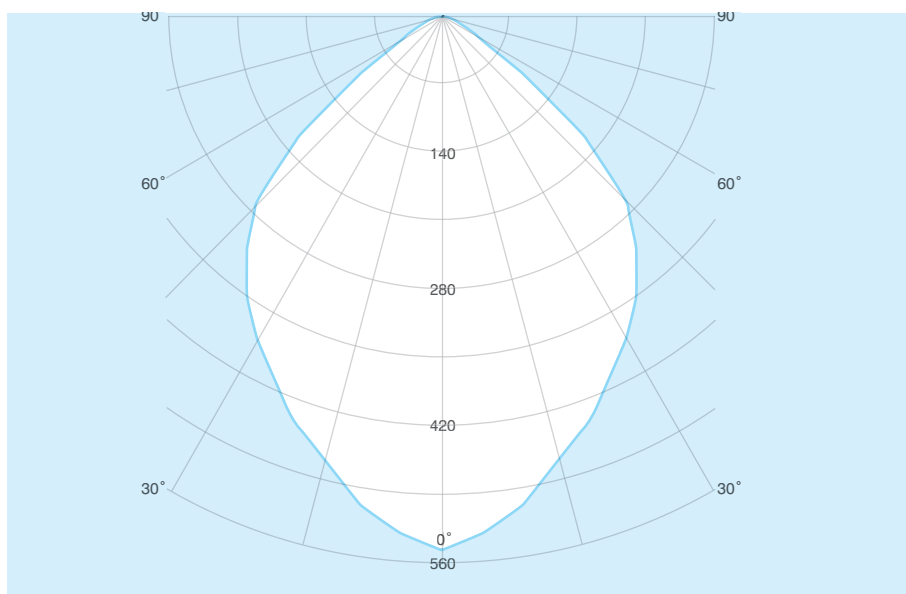
#### Corridor (based on min. 1 lux)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to wall (m)
2.0	6.06	2.65
2.5	7.02	3.09
3.0	7.92	3.33
3.5	8.70	3.62
4.0	9.36	3.73

The spacing tables are provided as a guide only.

Due to the nature of creating generic lighting schemes, all schemes should be simulated or calculated in full, representing as accurately as possible the final application, and ensuring compliance with local regulations.

### Photometric details



XYLUX LR is available with the following technology options:

#### Standard

For applications where self-testing is not required or suitable, the non-AutoTest® option provides the same quality and performance expected of Mackwell products, without the AutoTest® feature.

#### DALI AutoTest®

Provides recognised benefits by enabling testing and monitoring of an emergency lighting system either on-site or via an internet connection. DALI AutoTest® is ideal for monitoring larger buildings and multiple sites.

#### Central Battery

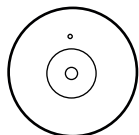
Suitable for central battery applications that use a nominal AC or DC supply of 110V to 240V that includes a hold-off input to inhibit the LED driver output when a mains supply is connected.

#### N-light® EC

Designed to work alongside Redwood's low-voltage, direct current lighting, power and intelligence building platform. Must only be used in-conjunction with the N-Light® EC.



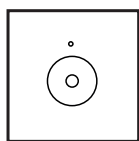
Lamphead shape and colour options:



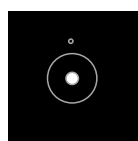
Round - White



Round - Black



Square - White



Square - Black

Standard colour is white, black colour available on request

# XYLUX LR

## High Performance Emergency LED Luminaire

### Order codes

#### Standard

Order Code	Description
9001794	XYLUX LR Maintained White Round
9005299	XYLUX LR Maintained White Square
9005300	XYLUX LR Maintained Black Round
9005301	XYLUX LR Maintained Black Square
9001582	XYLUX LR Non-Maintained White Round
9005297	XYLUX LR Non-Maintained White Square
9005293	XYLUX LR Non-Maintained Black Round
9005298	XYLUX LR Non-Maintained Black Square

#### DALI

Order Code	Description
9005255	XYLUX LR Maintained White Round
9005304	XYLUX LR Maintained White Square
9005305	XYLUX LR Maintained Black Round
9005306	XYLUX LR Maintained Black Square
9001581	XYLUX LR Non-Maintained White Round
9005302	XYLUX LR Non-Maintained White Square
9005284	XYLUX LR Non-Maintained Black Round
9005839	XYLUX LR Non-Maintained Black Square

#### Central Battery

Order Code	Description
9001592	XYLUX LR Non-Maintained White Round
9005307	XYLUX LR Non-Maintained White Square
9005308	XYLUX LR Non-Maintained Black Round
9005309	XYLUX LR Non-Maintained Black Square

#### N-Light EC Platform

Order Code	Description
9005256	XYLUX LR Non-Maintained White Round
9005310	XYLUX LR Non-Maintained White Square
9005311	XYLUX LR Non-Maintained EC Black Round
9005312	XYLUX LR Non-Maintained EC Black Square



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#### WARRANTY

This product is guaranteed for three years and covers faulty workmanship and materials. This "Return to Base" warranty requires that the product is used within the terms and conditions stated above, in our literature and on our website. Products returned to us under warranty must be carriage paid. Mackwell Electronics Ltd. accept no liability for cost incurred.

Mackwell maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice.

The contents are intended for guidance only.

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