



XYLUX LR4

Multi-Lens Emergency LED Luminaire



Images are for illustrative purposes only

XYLUX® LR4



180 Lumens



3 Hours



SELV



NiCd



IP65



Deep Discharge Protection

Emergency LED Luminaire



Multi-Lens LED Emergency Luminaire

The XYLUX LR4 is a recessed LED emergency luminaire, supplied with a choice of three snap-in optics for Open Area, Escape Route and Emphasis Point distribution. Each luminaire comes complete with Mackwell's unique articulated control gear for flexibility and can be used in multiple interior applications, including corridors, stairwells and open offices.

BS 5266 highlights multiple areas found within every installation which require emphasis with the aid of emergency lighting, such as first aid points and fire suppression equipment. Emergency lighting must be placed within two metres of these areas and in some situations require an increased light level of 5 lux.

Traditional wide angle Open Area lenses often struggle with this requirement. Mackwell have developed the Emphasis Point lens to give the direct light required whilst also giving competitive spacing in the surrounding area ensuring these lights become integral to the design.

Each lamphead contains an integrated bi-colour indicator and test switch, 500mm wiring loom and recessed mounting brackets to make on-site installation quick and simple.

The XYLUX LR4 continues the new generation of LED Emergency luminaires designed to be effective and unobtrusive.

Key features:

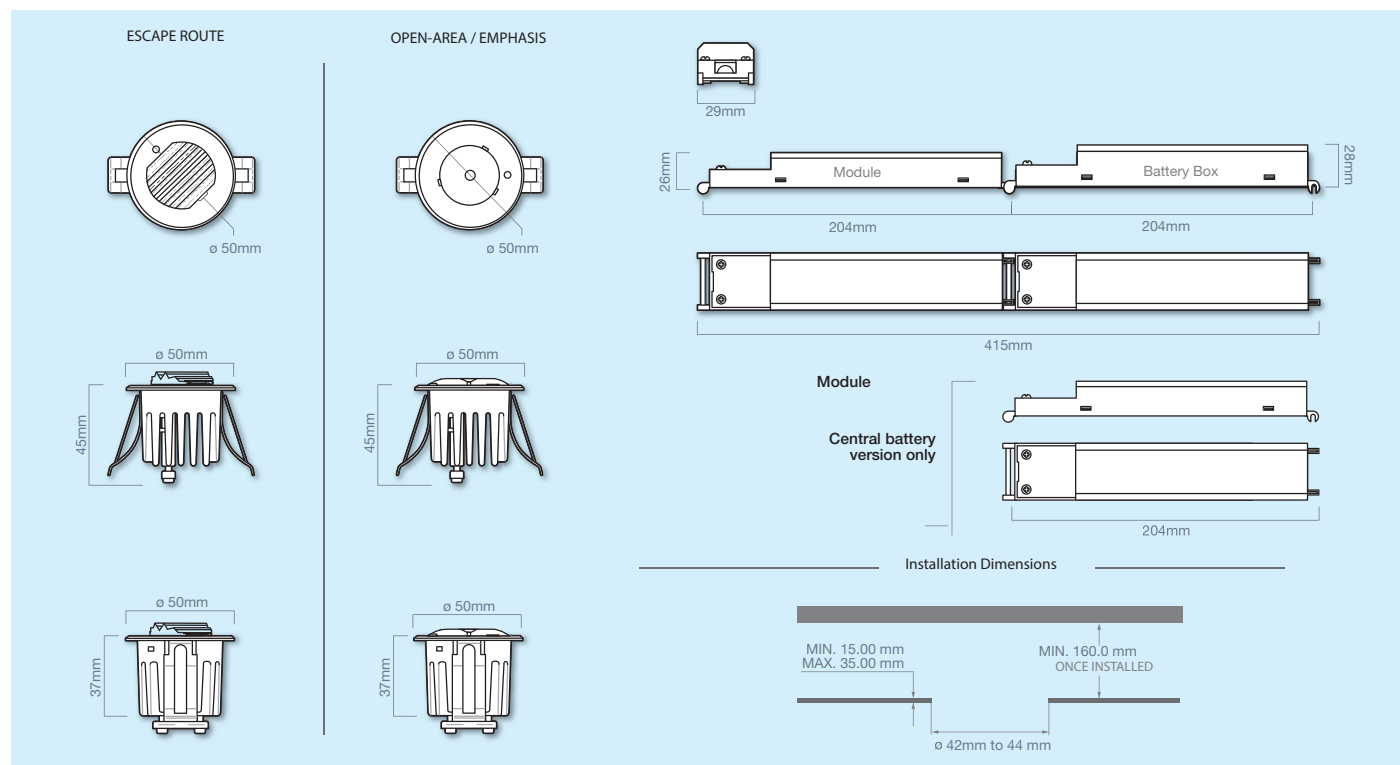
- Snap-in optical lenses for Open Area, Escape Route and Emphasis Point applications
- IP65 lamphead variants
- Single high power LED
- Miniature design blends into the architectural environment
- Articulated control gear for easy installation
- SELV compliant
- 3 hours emergency duration
- Designed and manufactured in the UK



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Dimensions



Specifications

Supply voltage	: 220 - 240 V
Supply frequency	: 50/60 Hz
Supply current (max)	: 38 mA
Power factor	: 0.33
Total circuit power (max)	: 1.7 W
Total circuit power (nominal)	: 0.9 W
Battery charge current	: 100 mA
Ambient temperature (ta)	: 0°C to +35°C
Protection Class	: Class II
Conductor size	: 0.5 - 1.5mm ²
Emergency duration	: 3 hours
Recharge period	: 24 hours
Weight of control gear	: 250 g
Luminous output	: 180 lm
IP rating	: IP30
CCT	: >5700K
Weight of lamphead	: 80 g

Central Battery Specifications

Supply voltage	: 96-265 V AC/DC
Supply frequency	: 50/60 Hz
Supply current	: 30mA at 230 V AC
Power factor	: 0.41
Output voltage	: 3 V
Hold-off supply voltage	: 230 V AC
Ambient temperature (ta)	: 0°C to +40°C
Conductor size	: 0.5 - 1.5mm ²
Weight of control gear	: 65 g

Batteries

The luminaire includes a rechargeable 3.6V 2Ah NiCd battery pack for 3 hours operation.

Relevant Standards

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

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

Provides benefits by enabling testing and monitoring of an emergency lighting system either on-site or via an internet connection. DALI is ideal for monitoring larger buildings and multiple sites. The product defaults to standalone AutoTest when not connected to a DALI network.

Central Battery

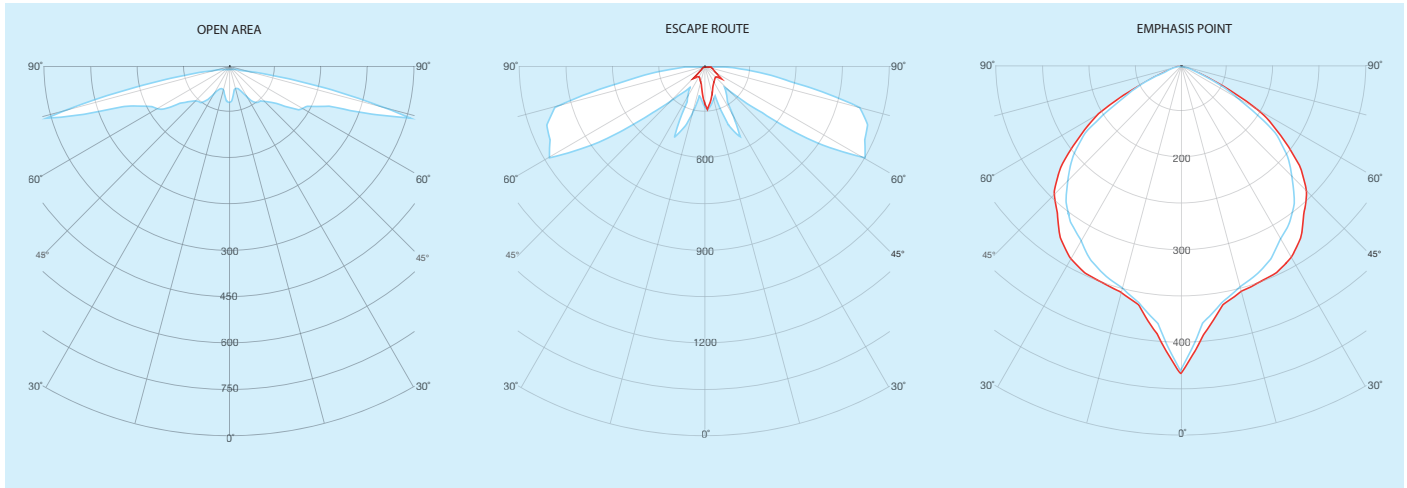
Suitable for central battery applications that use a nominal AC or DC supply of 110V to 240V that includes a hold off input to inhibit the LED driver output when a mains supply is connected.



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Photometric details



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	15.50	4.80
2.5	15.70	4.90
3.0	13.80	4.30
3.5	13.80	3.60
4.0	13.00	3.20

Escape Route (based on min. 1 lux)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to wall (m)
2.0	15.26	6.11
2.5	16.59	6.54
3.0	17.62	6.83
3.5	18.40	2.66
4.0	14.93	2.68

Emphasis Point (based on min. 5 lux)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to wall (m)
2.0	5.90	2.90
2.5	6.10	2.90
3.0	6.10	2.90
3.5	6.10	2.90
4.0	6.10	2.90

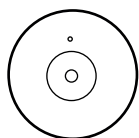
Please note:

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.



Lamphead colour options



Round - White



Round - Black

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Order codes

Standard

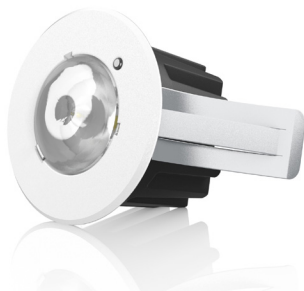
Order Code	Description
9006032*	XYLUX LR4 in White
9006043*	XYLUX LR4 in Black
9006045	XYLUX LR4 in White with Emphasis Point lens
9006048	XYLUX LR4 in Black with Emphasis Point lens
9006051	XYLUX LR4 in White with Open Area lens
9006054	XYLUX LR4 in Black with Open Area lens
9006057	XYLUX LR4 in White with Escape Route lens
9006060	XYLUX LR4 in Black with Escape Route lens
9006063	XYLUX LR4 in White with IP65 Emphasis Point lens
9006066	XYLUX LR4 in Black with IP65 Emphasis Point lens
9005892	XYLUX LR4 in White with IP65 Open Area lens
9006072	XYLUX LR4 in Black with IP65 Open Area lens
9005894	XYLUX LR4 in White with IP65 Escape Route lens
9005956	XYLUX LR4 in Black with IP65 Escape Route lens

DALI

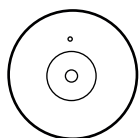
Order Code	Description
9006033*	XYLUX LR4 DALI in White
9006044*	XYLUX LR4 DALI in Black
9006046	XYLUX LR4 DALI in White with Emphasis Point lens
9006049	XYLUX LR4 DALI in Black with Emphasis Point lens
9006052	XYLUX LR4 DALI in White with Open Area
9006055	XYLUX LR4 DALI in Black with Open Area
9006058	XYLUX LR4 DALI in White with Escape Route
9006061	XYLUX LR4 DALI in Black with Escape Route
9006064	XYLUX LR4 DALI in White with IP65 Emphasis Point lens
9006067	XYLUX LR4 DALI in Black with IP65 Emphasis Point lens
9005893	XYLUX LR4 DALI in White with IP65 Open Area lens
9006073	XYLUX LR4 DALI in Black with IP65 Open Area lens
9005895	XYLUX LR4 DALI in White with IP65 Escape Route lens
9006079	XYLUX LR4 DALI in Black with IP65 Escape Route lens

* Supplied with all three lenses; Open Area, Escape Route and Emphasis Point.

Please contact Mackwell for more information.



Lamphead colour options



Round - White



Round - Black

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Order codes continued

Central Battery

Order Code	Description
9006047	XYLUX LR4 Central Battery in White with Emphasis Point lens
9006050	XYLUX LR4 Central Battery in Black with Emphasis Point lens
9006053	XYLUX LR4 Central Battery in White with Open Area lens
9006056	XYLUX LR4 Central Battery in Black with Open Area lens
9006059	XYLUX LR4 Central Battery in White with Escape Route lens
9006062	XYLUX LR4 Central Battery in Black with Escape Route lens
9006065	XYLUX LR4 Central Battery in White with IP65 Emphasis Point lens
9006068	XYLUX LR4 Central Battery in Black with IP65 Emphasis Point lens
9006071	XYLUX LR4 Central Battery in White with IP65 Open Area lens
9006074	XYLUX LR4 Central Battery in Black with IP65 Open Area lens
9006077	XYLUX LR4 Central Battery in White with IP65 Escape Route lens
9006080	XYLUX LR4 Central Battery in Black with IP65 Escape Route lens



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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