



XYLUX® LS

High Performance Surface Mount Luminaire



XYLUX® LS



200 Lumens



3 Hours



SELV



3 cell NiMH



Non maintained

Emergency LED
luminaire with a
choice of lenses and
technology options

LED Emergency Luminaire Suitable for High-Bay, Mid-Bay, Open-Area and Escape Route Applications

XYLUX LS is a high performance self-contained LED emergency luminaire delivering 3 hours rated emergency output.

XYLUX LS is available with a range of options to choose from to cater for specific application requirements. The open-area and escape route kits feature intelligent optics that alter the photometrics to provide optimum light distribution. For high ceiling applications, the mid and high-bay fascias have been designed to cater for mounting heights up to 30 metres. XYLUX LS also incorporates an LED module and 2.2Ah NiMH battery pack.

XYLUX LS can be surface mounted to offer an efficient and robust alternative to the 8W fluorescent bulkhead.

Key features:

- Suitable for surface mount installation
- Various technology options available
- A choice of lenses designed for open-area, escape route, mid-bay and high-bay applications
- Integral status indicator
- Deep discharge protection circuit
- Optional integral test switch
- SmartCharge™ technology
- 3 hours emergency duration
- 3 year warranty on electronics
- Designed and manufactured in the UK



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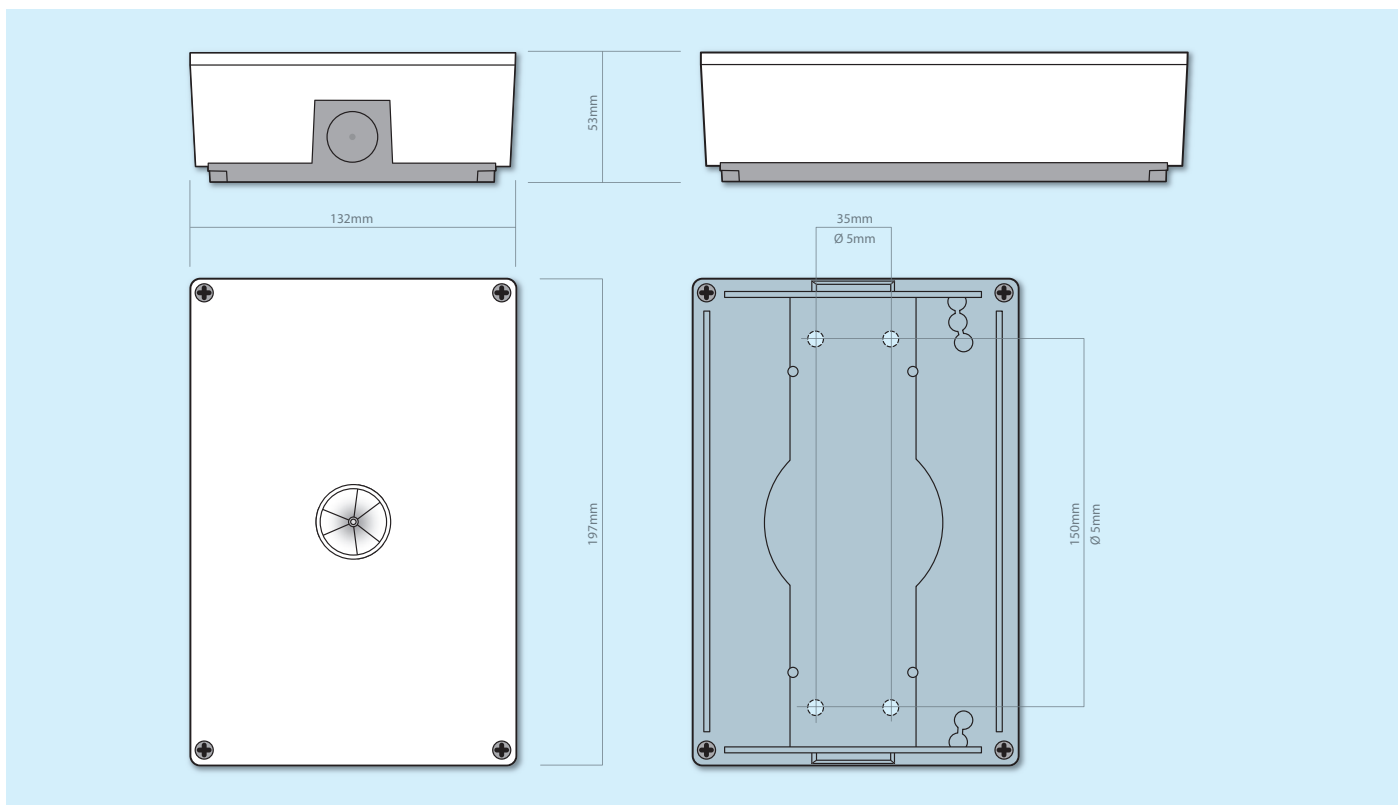




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Dimensions



Standard and DALI AutoTest® Specifications

Supply voltage	: 230Vac 50/60 Hz
Supply current	: 30mA max
Total circuit power	: 1.7W
Power factor	: 0.44
Ambient temperature (ta)	: 0°C to +40°C
IP rating	: IP20
Weight	: 464g
Weight (with test switch)	: 476g
Conductor size	: 2.5mm² max
Luminous flux	: 200lm nominal
CCT	: 5700K
Emergency duration	: 3 hours
Recharge period	: 24 hours

Charge Indicator

Integral bi-colour LED

Central Battery Specifications

(same as Standard and DALI AutoTest® except for the following)

Supply voltage	: 96 to 265V ac/dc 50/60 Hz
Supply current	: 46mA max
Hold-off supply	: 230Vac 50/60Hz (9mA max)
Hold-off change over voltage	: 138 to 195Vac
Power factor	: 0.40
Ambient temperature (ta)	: 0°C to +45°C
Weight	: 346g

EC Specifications

(same as Standard and DALI AutoTest® except for the following)

Supply unit	: N-light® EC Panel
Supply voltage	: 48V DC
Supply current	: 60mA
Weight	: 347g
Weight (with test switch)	: 358g

Relevant Standards

EN 60598-2-22
BS 5266-1
EN 62034
EN 62386
EN 62471

Batteries

The luminaire (excluding Central Battery versions) includes a rechargeable 3.6V 2.2Ah NiMH battery pack for 3 hours operation.

Technology Features

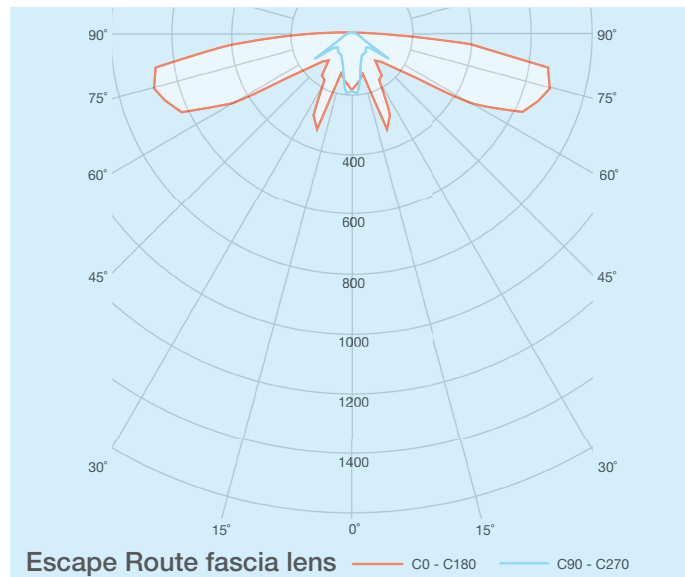
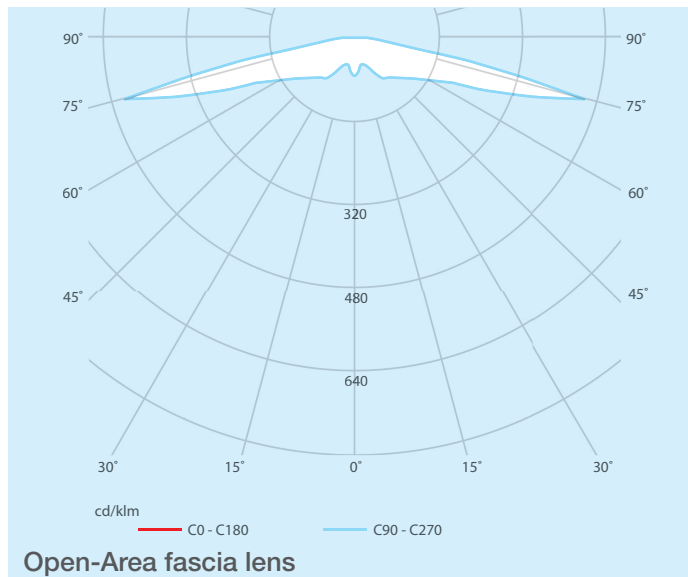
SmartCharge™ is incorporated within Mackwell's emergency products to provide energy efficient charging maintenance, reduced operating temperatures and optimum service life of batteries.



XYLUX® LS

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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)
2.5	16.90	6.10
2.8	17.90	5.30
3.0	18.90	5.10
4.0	14.90	4.10
6.0	-	-
8.0	-	-
10.0	-	-
12.0	-	-
15.0	-	-
20.0	-	-
25.0	-	-
30.0	-	-

Spacing information

Escape route (based on 1 lux centre line)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to Wall (m)
2.5	17.00	3.00
2.8	17.50	3.00
3.0	17.80	3.00
4.0	14.10	3.00
6.0	8.20	2.90
8.0	-	-
10.0	-	-
12.0	-	-
15.0	-	-
20.0	-	-
25.0	-	-
30.0	-	-

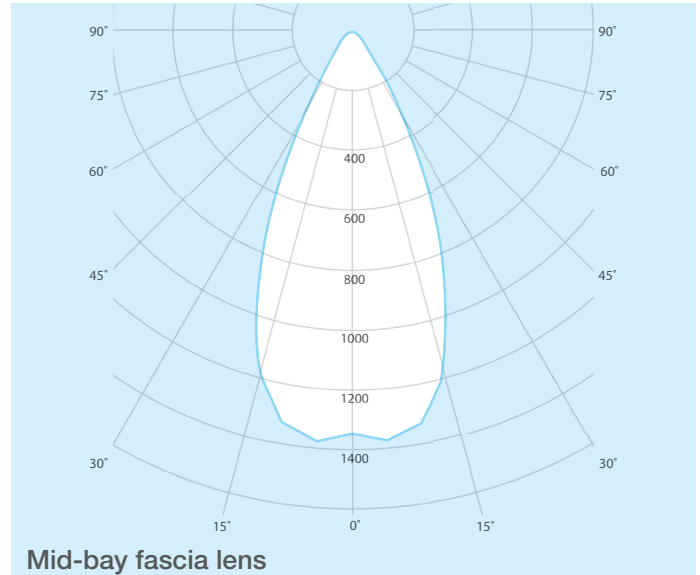
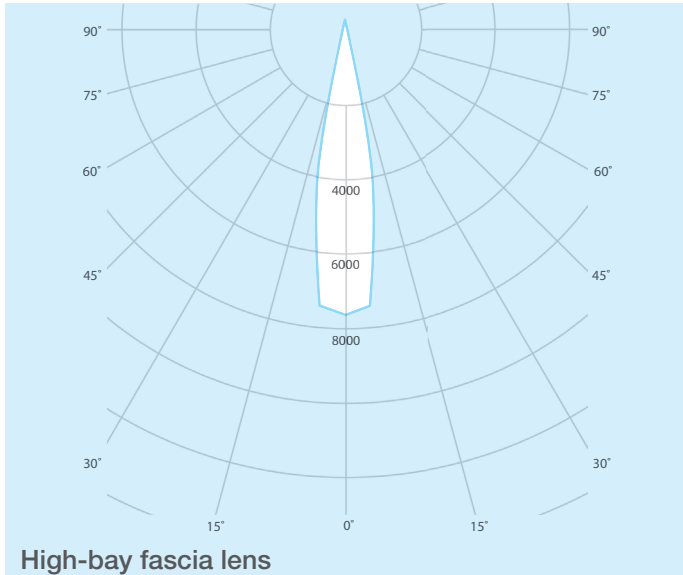
The spacing tables are provided as a guide only. Due to the nature of creating generic lighting schemes, all schemes should be simulated or calculated in full, representing as accurately as possible the final application, and ensuring compliance with local regulations.



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High Performance Surface Mount Luminaire

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)
2.5	6.90	3.00
2.8	6.90	3.00
3.0	6.90	3.00
4.0	7.10	3.00
6.0	7.20	3.00
8.0	7.10	3.00
10.0	6.10	3.00
12.0	6.80	3.20
15.0	8.30	3.80
20.0	10.50	4.70
25.0	12.40	5.50
30.0	14.10	6.20

Escape route (based on 1 lux centre line)

2.5	6.10	2.90
2.8	6.10	2.90
3.0	6.10	2.90
4.0	6.10	2.90
6.0	6.10	2.90
8.0	6.10	3.00
10.0	6.10	3.00
12.0	6.50	3.00
15.0	7.70	3.50
20.0	9.50	4.30
25.0	11.10	4.50
30.0	12.20	4.20

Spacing information

Open-Area (based on min. 0.5 lux)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to Wall (m)
2.5	7.10	3.00
2.8	7.40	3.00
3.0	7.60	3.10
4.0	8.60	3.50
6.0	10.40	4.30
8.0	11.90	5.00
10.0	13.40	5.60
12.0	14.60	6.00
15.0	16.20	6.40
20.0	17.90	6.00
25.0	-	-
30.0	-	-

Escape route (based on 1 lux centre line)

2.5	6.10	2.90
2.8	6.10	3.00
3.0	6.20	3.00
4.0	7.10	3.00
6.0	8.70	3.60
8.0	10.00	4.10
10.0	11.20	4.40
12.0	12.10	4.50
15.0	12.80	3.90
20.0	-	-
25.0	-	-
30.0	-	-

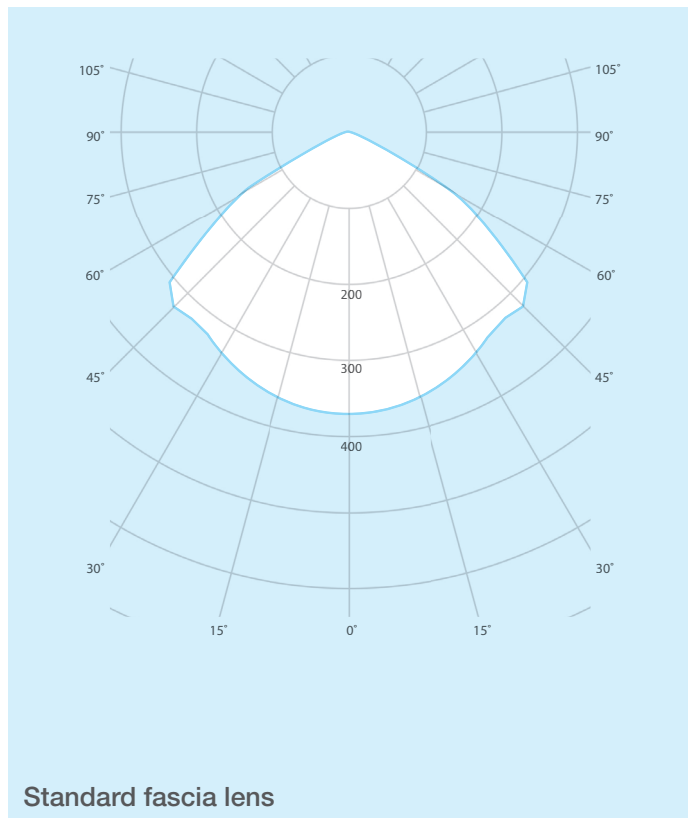
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Photometric details



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.

Spacing information

Open-Area (based on min. 0.5 lux)

Mounting Height (m)	Distance Luminaire to Luminaire (m)	Distance Luminaire to Wall (m)
2.5	9.60	4.50
2.8	6.90	4.90
3.0	7.90	5.10
4.0	9.90	6.00
6.0	13.90	7.20
8.0	17.90	6.90
10.0	20.80	5.80
12.0	19.00	3.80
15.0	-	-
20.0	-	-
25.0	-	-
30.0	-	-

Escape route (based on 1 lux centre line)

2.5	5.90	4.00
2.8	6.90	4.20
3.0	6.90	4.30
4.0	8.90	5.00
6.0	12.90	4.70
8.0	13.90	3.30
10.0	-	-
12.0	-	-
15.0	-	-
20.0	-	-
25.0	-	-
30.0	-	-

XYLUX LS is available with the following technology options:

- ✓ **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.*
- ✓ **Standard** For applications where self-testing is not required or suitable, the Standard option provides the same quality and performance expected of Mackwell products, without the AutoTest® feature.
- ✓ **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.
- ✓ **EC** Designed to work alongside low-voltage, direct current lighting platforms that are powered and communicate via category cables. Must only be used in-conjunction with N-light® EC panel.

*Please note that for AutoTest® products, the start times for the tests are set automatically to ensure random testing of the units at times of minimum risk. As a consequence tests may occur at any time, and caution should be exercised in situations where this might be inconvenient. DALI AutoTest® products will default to Mackwell AutoTest® functionality as standard when not connected to a relevant system.



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XYLUX LS options:

Order codes

Base Model	Fascia				
	Standard	Open Area	Escape Route	Mid-Bay	High-Bay
Standard	9005523	9005537	9005544	9005558	9005565
Standard with Test Switch	9005524	9005538	9005545	9005559	9005566
DALI	9005525	9005539	9005546	9005560	9005567
DALI with Test Switch	9005526	9005540	9005547	9005561	9005568
EC	9005527	9005541	9005548	9005562	9005569
EC with Test Switch	9005528	9005542	9005549	9005563	9005570
Central Battery	9005529	9005543	9005550	9005564	9005571

Accessories & Replacements

Replacement Fascias		Replacement Battery	
XYLUX LS Fascia Standard	9005253	Battery NiMH 2.2Ah 3C Stick Plug and Play	9005254
XYLUX LS Fascia Open-Area	9005156		
XYLUX LS Fascia Escape Route	9005248		
XYLUX LS Fascia Mid-Bay	9005250		
XYLUX LS Fascia High-Bay	9005251		



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WARRANTY

This product is warranted 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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