



# MULTIDIGIT air

Bluetooth® monitoring system for self-contained emergency luminaires



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Bluetooth® monitoring system for self-contained emergency luminaires

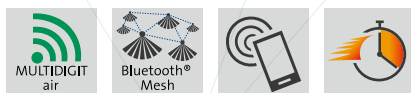
## Safety in the air

Scalable Bluetooth® monitoring system for self-contained emergency luminaires for maximum safety and convenience. MULTIDIGIT AIR is particularly suitable for applications where wireless networking is required. Permanent monitoring and configuration are carried out via the MULTIDIGIT AIR app. A tablet or smartphone takes over the visibility of the system from a central location. The emergency luminaires report their current status via a Bluetooth® mesh network to the app, which analyses and controls the entire system. Up to 100 self-contained emergency luminaires can be wirelessly networked and monitored. No bus cable is required. The app generates test reports quickly and automatically in PDF format, which can be archived locally or in the cloud. This saves the service technician valuable time.

The MULTIDIGIT AIR module is integrated in luminaires with the reference number ending with **.F1**.

## Additional advantages

- ⊕ Wireless networking with Bluetooth® mesh.
- ⊕ No bus cabling necessary.
- ⊕ Ideal for renovations.
- ⊕ Commissioning and monitoring via app (iOS and Android).
- ⊕ Reduced installation costs and time.
- ⊕ Centralised setup, control and maintenance via tablet or smartphone.
- ⊕ Simple configuration thanks to our user-friendly app.
- ⊕ Reset function helps when changing projects and reconfiguring.
- ⊕ Luminaire spacing of up to 15 m.
- ⊕ Monitoring of up to 100 self-contained luminaires.
- ⊕ Test logs and all relevant data can be archived quickly and automatically locally or online.
- ⊕ Data can be accessed anytime and anywhere via the Cloud.
- ⊕ Significant time savings for service technicians due to reduced documentation effort.



# MULTIDIGIT air

Convincing all along the line

More comfort

More security

More advantages



## **What is the idea behind the MULTIDIGIT air system?**

*Michael: With MULTIDIGIT AIR, we combine the simplest installation with the convenience and security of a monitoring system.*

## **How is this realised?**

*Michael: We use Bluetooth® mesh for this. Each luminaire has a radio module and communicates with other luminaires in a so-called network. If there are more than 100 luminaires, they can be divided into different networks depending on the area. The MULTIDIGIT air app gives you an overview of all your networks.*

## **Is there always a question of security with wireless?**

*Michael: That's right. As a user, you have the option of saving all data locally on your mobile device or - as we recommend - online with password protection and maximum security. In this case, all data is stored on a server in Germany. In addition, as soon as you have integrated your luminaire into your network, it can no longer be found by other people.*

Michael Hartmann, Product Manager



## That's why you should use Bluetooth® Mesh!

### **Easy to use**

With Bluetooth® technology built into all smartphones and tablets, users can utilise commissioning apps such as MULTIDIGIT AIR without the need for additional technical components to support installation.

### **Reliable and scalable wireless technology**

Bluetooth® Mesh has been specially developed for use in large wireless networks. No centralised control is required as the intelligence is distributed to all end devices. This decentralised control architecture makes it much easier for systems to achieve greater scalability and reliability at lower cost.

### **Multi-level security**

Security was a top priority in the development of Bluetooth® Mesh, which is why the system offers protection against all known attacks.

# MULTIDIGIT air

In the fast lane

Record-breaking fast installation

Pole position in terms of data security

High-speed documentation



Ready to go: from 0 to 100

## Download and start



Configuration, commissioning, control, monitoring and documentation - you literally have it in your hands. With the MULTIDIGIT AIR app, you can wirelessly network and monitor up to 100 self-contained emergency luminaires.

## It's that simple



Easily navigate through the MULTIDIGIT AIR app - the clear app guide shows you how. App guide shows you how.

## Team .F1 - Luminaires with MULTIDIGIT air

Unique identifier: The MULTIDIGIT AIR module is integrated in all lights with the article number ending .F1.



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**LUCIO 2**  
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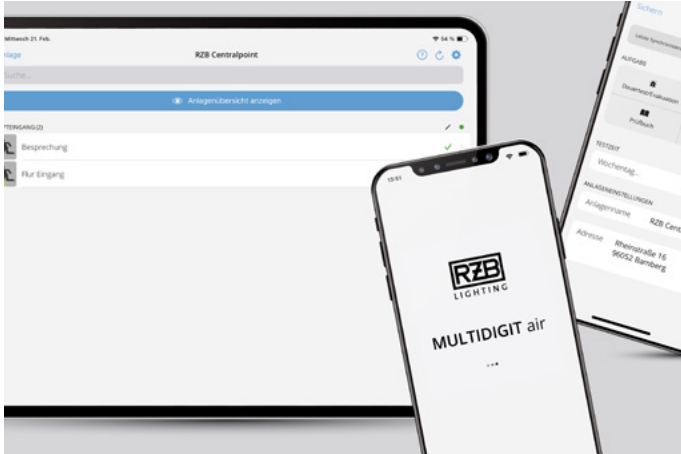
**MONDANA**  
(coming soon)



**MONDANA**  
(coming soon)

# MULTIDIGIT air

My strengths in detail



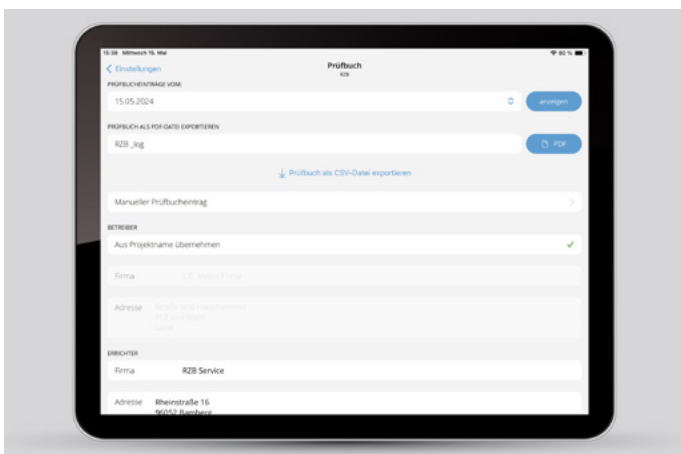
## + Install, set up, ready

- Install and electrify self-contained emergency lights with integrated radio module.
- Download the MULTIDIGIT AIR app to your tablet or smartphone.
- Quick configuration and start-up in the app.



## + One click and everything is in

- Centralised setup, monitoring and display of the status of all emergency luminaires in the app.
- Convenient display thanks to group function.
- Possible backup of project data locally or in the cloud.



## + Documentation made simple

- Automatic creation of the inspection logbook in the app.
- Significant time savings for service technicians due to reduced documentation effort.
- Manual inspection logbook entries can be created and archived quickly and easily.
- Easy dispatch of project data by e-mail.



# MULTIDIGIT air

My strengths in detail



## + Everything at a glance

The status display of the project may be required by the operator or by legal regulations. No problem: Simply install a mobile end device at a suitable central location in the project and with just one click on the "Display status monitor" function, all messages relating to errors and warnings are displayed in a compact overview.



## + No long cables

Wireless is the magic word. It's a simple way to save valuable resources such as copper. Because: Long cables? No need!

Speaking of cables: MULTIDIGIT AIR is perfect for renovating old buildings. Since no bus line is required, you can avoid complex and time-consuming expansion work.



## + A new start

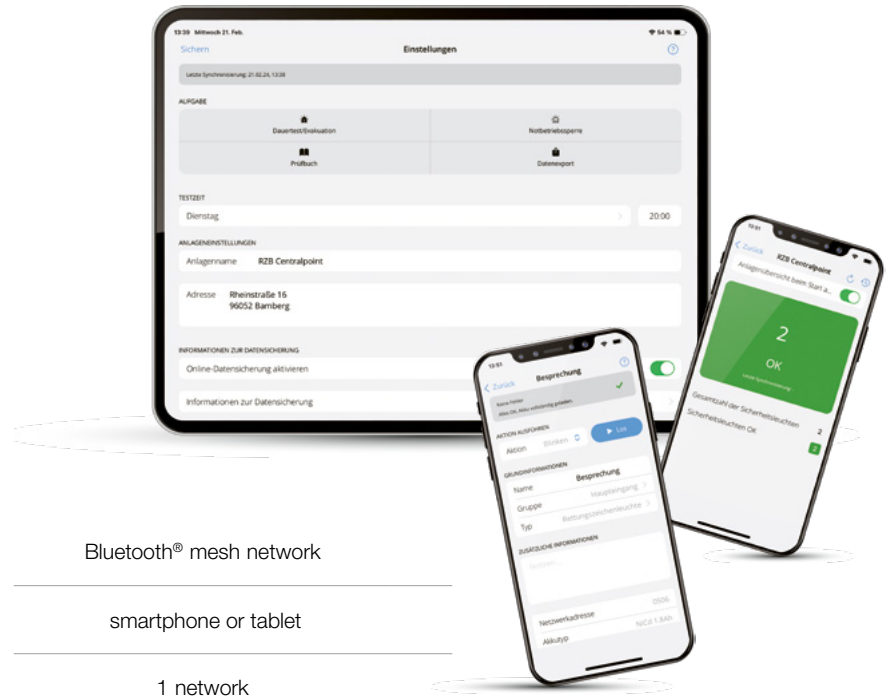
Change of operator? Project change? Tablet defective? Keep calm! Thanks to the practical reset function, you always retain full control and reconfiguring the luminaires also works without any problems.

And: decoupling individual or all luminaires works even without access to the network - with maximum security for your luminaires, of course.

# MULTIDIGIT air

## System overview

The **MULTIDIGIT AIR** monitoring system guarantee the recurring tests required by regulations and standards. The luminaires are networked and monitored wirelessly. The detailed status messages of each individual luminaire can be called up from a central location and at any time thanks to the app.



<b>Construction of system</b>	Bluetooth® mesh network
<b>Colour display</b>	smartphone or tablet
<b>Number of circuits base unit</b>	1 network
<b>Number of luminaires per circuits</b>	max. 100 per network
<b>Number of luminaires per base unit</b>	max. 100 per network
<b>Expandable</b>	through additional networks
<b>Max. Luminaires</b>	max. 100 per network
<b>Fault indication</b>	smartphone or tablet
<b>Potential-free fault signal contacts</b>	–
<b>Email dispatch</b>	yes
<b>TCP/IP</b>	–
<b>Display of building plans</b>	–
<b>Modular structure</b>	–
<b>Bus line topology</b>	Bluetooth® mesh network
<b>Bus line</b>	–
<b>Application area</b>	small to medium projects
<b>Test log book</b>	automatically
<b>Status of lights can be retrieved</b>	individually
<b>Installation type</b>	app for iOS and Android

# MULTIDIGIT air

Radio diagram | App



**Our MULTIDIGIT AIR family is constantly growing.**

**Find out now - it's worth it!**

## Draw from the full range

In addition to our continuously growing F1 luminaire range, you will find a huge selection of luminaires and systems in our special "Emergency lighting" catalogue.

And it's also worth taking a look at [www.rzb.de](http://www.rzb.de)! All important data on our lighting solutions, new products and product enhancements can be found on our website.



Website



Catalogue



Video



## GSUN 5

Ceiling and wall luminaires

### ARCHITECTURE

- **Versatile:** Emergency luminaires for escape route illumination and marking.
- **Protected:** IP 54 type of protection - dust-proof and protected against water spray.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

### LIGHTING DESIGN

- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

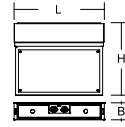
### INSTALLATION

- **Straightforward:** Suitable for through-wiring.
- **Easy installation:** Large cable entry space.
- **Complete:** 5 easy to lay in legends included.
- **Tested:** Luminaires with limited surface temperature in accordance with EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

### Ceiling and wall luminaires | GSUN 5 S

Type of protection: IP 54  
Protection class: II

Housing: shockproof plastic (polycarbonate). Display panel: highly transparent panel, plastic, with legend on one side/both sides. Includes 4 plastic foils with escape route motifs (motif 3003, 3004, 3005, 3006) and 1 white plastic foil with mounting pins to attach them with. Large cable entry space. Suitable for through-wiring. Adapter for wall mounting included.



#### Self-contained emergency luminaires

Voltage type: AC  
Automatic self test in all standard versions.  
Operating mode: can either be connected in non-maintained power mode or maintained power mode.

With MULTIDIGIT air Bluetooth® control for wireless networking and operation using Android / IOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
<b>Self-contained emergency luminaires</b>							
672841.002.F1	L 255, B 48, H 204	24	4	-	3	MultiDigit air	23

#### Suspension cable set

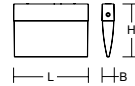
982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material					23
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### Ceiling and wall luminaires | GSUN 5 D

Type of protection: IP 54  
Protection class: II  
Impact resistance: IK04

Housing: shockproof plastic (polycarbonate). Includes 4 legends (motif 3003, 3004, 3005, 3006) and 1 white lay in plastic sheet for fitting in the transparent cover. Large cable entry space. Suitable for through-wiring. Adapter for wall mounting included.



#### Self-contained emergency luminaires

Voltage type: AC  
Automatic self test in all standard versions.  
Operating mode: Can either be connected in non-maintained power mode or in maintained power mode.

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / IOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions [mm]	↔ [m]	Mains system power [W]	Emergency system power [W]	⌚ [h]	Monitoring	Price Category
<b>Self-contained emergency luminaires</b>							
672839.002.F1	L 255, B 48, H 177	24	4	-	3	MultiDigit air	23
672531.002.F1	L 336, B 56, H 238	32	3,5	-	3	MultiDigit air	23
672604.002.F1	L 336, B 56, H 238	32	3,5	-	8	MultiDigit air	23

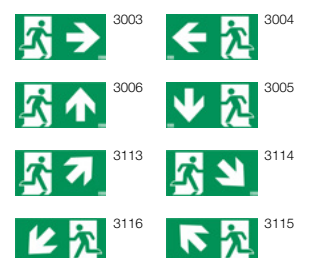
#### Suspension cable set

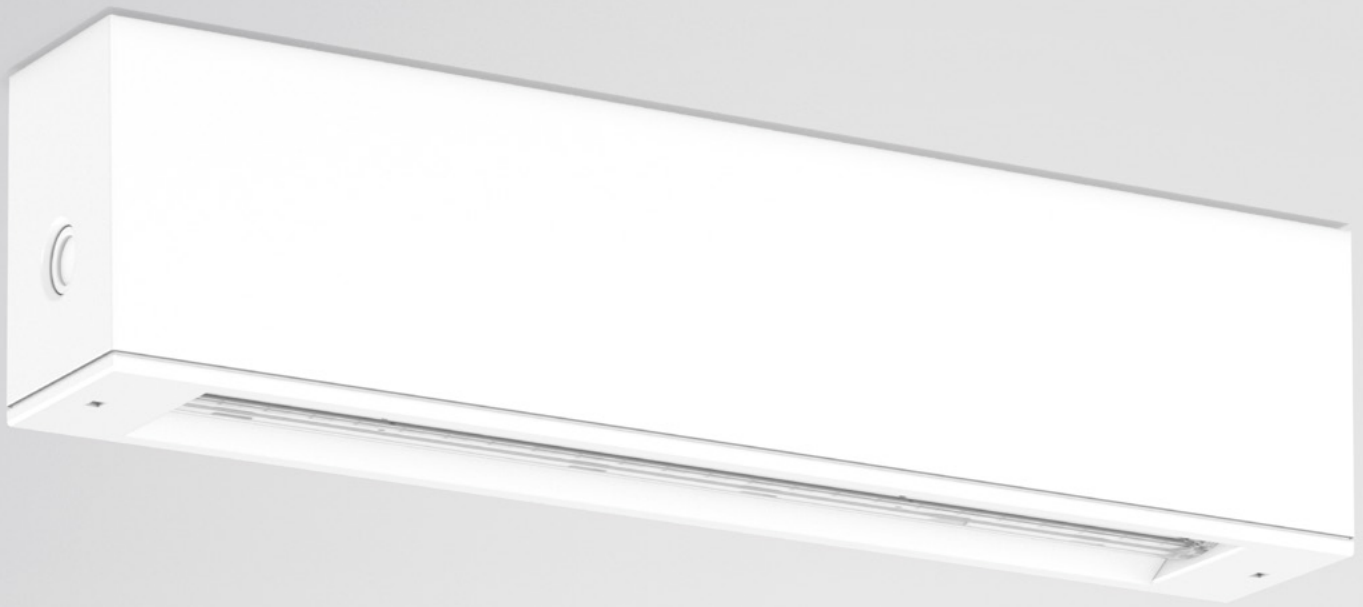
982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material					23
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#### Escape route signs

ISO 7010 | DIN 4844





## GSUN 5

Ceiling and wall luminaires

### ARCHITECTURE

- **Versatile:** Emergency luminaires for escape route illumination and marking.
- **Protected:** IP 54 type of protection - dustproof and protected against water spray.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

### LIGHTING DESIGN

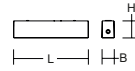
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

### INSTALLATION

- **Straightforward:** Suitable for through-wiring.
- **Easy installation:** Large cable entry space.
- **Tested:** Luminaires with limited surface temperature in accordance with EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

### Ceiling and wall luminaires | GSUN 5

Type of protection: IP 54  
 Protection class: II  
 Impact resistance: IK06  
 Housing: shockproof plastic (polycarbonate). Large cable entry space. Suitable for through-wiring.



### Self-contained emergency luminaires

Voltage type: AC  
 Automatic self test in all standard versions.  
 Operating mode: can either be connected in non-maintained power mode or maintained power mode.  
 With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

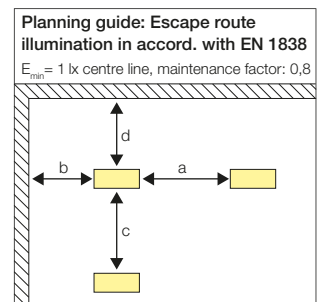
Reference number	Dimensions [mm]	Light colour	Mains luminous flux [lm]	Mains system power [W]	Emergency luminous flux [lm]	Emergency system power [W]	Emergency system [h]	Monitoring	Price Category
<b>Self-contained emergency luminaires</b>									
672533.002.F1	L 336, B 56, H 75	840	660	7,3	530	-	3	MultiDigit air	23

### Suspension cable set

982763.000	LP 3000	Set with 2 steel cables, rapid adjusters and fastening material							23
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672533.002.F1				
Luminous flux emergency: 530 lm				
Following values are indicated in m				
h	a	b	c	d
2,5	10,8	4,4	12,7	5,4
3,0	11,6	4,7	14,0	5,9
3,5	12,4	5,0	15,2	6,4
4,0	13,1	5,2	16,3	6,8





## CENTRYXX IP40

Ceiling luminaires

### ARCHITECTURE

- **Design-oriented:** Exceedingly flat design to match modern architecture.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

### LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for area and escape route lighting thanks to special lenses.
- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

### INSTALLATION

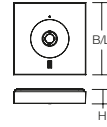
- **Easy installation:** Quick and easy to install.
- **Flexible:** Rated operating time 3 h or 8 h adjustable.
- **Straightforward:** Suitable for through-wiring.
- **Clever:** Lenses can be replaced without tools.



### Ceiling luminaires | CENTRYXX IP40

Type of protection: IP 40  
 Protection class: II  
 Impact resistance: IK03

Housing: plastic (polycarbonate). Cover: polycarbonate. Plastic lenses for area lighting and escape route illumination included in scope of delivery. Lenses can be replaced without tools.



### Self-contained emergency luminaires

Voltage type: AC  
 Automatic self test in all standard versions.  
 Operating mode: non-maintained power mode

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
<b>Self-contained emergency luminaires</b>							
672582.00X.F1	L 150, B 150, H 30	740	240/120	-	3/8	MultiDigit air	23

### Mounting sets

982949.00X	L 90, B 100, H 18	Mounting set for through wiring surface installation	23
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### Mounting frame for recessed ceiling mounting

982954.002	L 184, B 184, H 2, HE 45	23
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### Lenses

983086.000	D 16, H 10	Asymmetrical lens for areas to be highlighted	23
983172.000	D 22, H 7	Square area lens for anti-panic lighting	23
982792.002	D 26, H 15	Deep beam lens with white bracket.	23

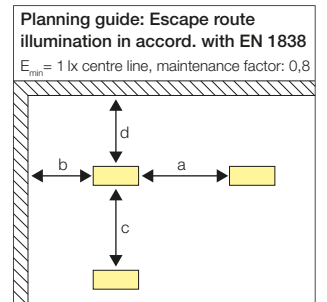


### Lens for escape route illumination

672582.00X.F1					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	2,4	6,7	19,8	8,4	
3,0	2,4	6,8	22,1	9,1	
3,5	2,3	6,9	23,8	9,5	
4,0	2,2	6,9	25,2	9,5	

### Lens for area lighting

672582.00X.F1					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,4	3,9	9,4	3,9	
3,0	10,4	4,2	10,4	4,2	
3,5	11,1	4,4	11,1	4,4	
4,0	11,7	4,5	11,7	4,5	





## LUCIO 2

Ceiling luminaires, Recessed ceiling luminaires

### ARCHITECTURE

- **Extensive:** Recessed and surface-mounted luminaires.
- **Robust:** Housing made of shockproof plastic (polycarbonate).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable and recyclable components.

### LIGHTING DESIGN

- **Powerful:** Wide luminaire spacing for escape routes thanks to special lenses.
- **Versatile:** Plastic lenses for area lighting and escape route illumination included in scope of delivery.
- **MULTIDIGIT air:** Wireless monitoring system for self-contained emergency luminaires with Bluetooth® control for wireless networking.

### INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Flexible:** Rated operating time 3 h or 8 h adjustable.
- **Straightforward:** Suitable for through-wiring.
- **Clever:** Lenses can be replaced without tools.

### Ceiling luminaires | LUCIO 2

Type of protection: IP 20

Protection class: II

Impact resistance: IK06

Housing: plastic (polycarbonate). Plastic lenses for area lighting and escape route illumination included in scope of delivery. Lenses can be replaced without tools.



### Self-contained emergency luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colours (X): 2 = white, 3 = black



Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	⊕ [h]	Monitoring	Price Category
<b>Self-contained emergency luminaires</b>							
672527.00X.F1	D 110, H 46	740	240/120	-	3/8	MultiDigit air	23

### Mounting bracket for through wiring surface installation

982791.00X	L 70, B 90, H 21	23
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### Recessed ceiling housing

982790.00X	D 135, H 2	23
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### Lenses

983086.000	D 16, H 10	Asymmetrical lens for areas to be highlighted	23
983172.000	D 22, H 7	Square area lens for anti-panic lighting	23
982792.002	D 26, H 15	Deep beam lens with white bracket.	23

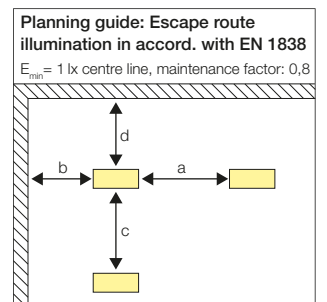


### Lens for escape route illumination

672527.00X.F1					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	2,4	6,7	19,8	8,4	
3,0	2,4	6,8	22,1	9,1	
3,5	2,3	6,9	23,8	9,5	
4,0	2,2	6,9	25,2	9,5	

### Lens for area lighting

672527.00X.F1					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	4,0	9,6	4,0	
3,0	10,6	4,3	10,6	4,3	
3,5	11,4	4,5	11,4	4,5	
4,0	12,0	4,5	12,0	4,5	



# LUCIO 2

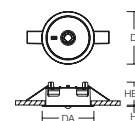
## Product overview | Luminaires for escape route illumination



### Recessed ceiling luminaires, Ceiling luminaires | LUCIO 2

Type of protection: IP 20  
 Protection class: II  
 Ceiling thickness S: 1-40 mm  
 Impact resistance: IK06

Housing: plastic (polycarbonate). Plastic lenses for area lighting and escape route illumination included in scope of delivery. Accessories for recessed and surface mounting on the ceiling are included.



### Self-contained emergency luminaires

Voltage type: AC  
 Automatic self test in all standard versions.  
 Operating mode: non-maintained power mode

With MULTIDIGIT air Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions [mm]	Light colour	Emergency luminous flux [lm]	Emergency system power [W]	[n]	Monitoring	Price Category
<b>Self-contained emergency luminaires</b>							
<b>Ceiling cut out DA 116-120 mm</b>							
672526.00X.F1	D 135, H 2, HEL 60	740	240/120	-	3/8	MultiDigit air	23

### Mounting bracket for through wiring surface installation

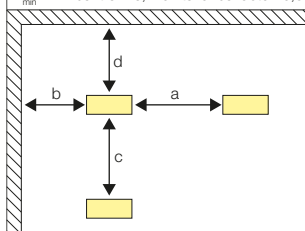
982791.00X	L 70, B 90, H 21	23
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### Lenses

983086.000	D 16, H 10	Asymmetrical lens for areas to be highlighted	23
983172.000	D 22, H 7	Square area lens for anti-panic lighting	23
982792.002	D 26, H 15	Deep beam lens with white bracket.	23

### Planning guide: Escape route illumination in accord. with EN 1838

$E_{min} = 1$  lx centre line, maintenance factor: 0,8



### Lens for escape route illumination

672526.00X.F1					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	2,4	6,7	19,8	8,4	
3,0	2,4	6,8	22,1	9,1	
3,5	2,3	6,9	23,8	9,5	
4,0	2,2	6,9	25,2	9,5	

### Lens for area lighting

672526.00X.F1					
Luminous flux emergency: 240 lm					
Following values are indicated in m					
h	a	b	c	d	
2,5	9,6	4,0	9,6	4,0	
3,0	10,6	4,3	10,6	4,3	
3,5	11,4	4,5	11,4	4,5	
4,0	12,0	4,5	12,0	4,5	



**binder | OPTIK**



## Further self-contained monitoring systems:



⊕ MULTIDIGIT touch



⊕ MULTIDIGIT touch DALI



⊕ MULTIDIGIT



⊕ MULTIDIGIT plus

## Highest product and consulting quality

### ⊕ Reliability

We are your reliable partner. From the first idea to the implementation and far beyond, we accompany your project. Personal, passionate and individual. Thanks to our excellent expertise, top product quality and services such as light planning, economic efficiency analysis and commissioning, we meet the high demands of all parties involved in the planning process.

- ✓ availability of BIM files
- ✓ easy and quick installation
- ✓ quality and long warranty

### ⊕ Warranty

The creation of high quality lighting solutions is our passion. Our products are developed and manufactured with the utmost care.

In addition to SMART TECHNOLOGY and EXCELLENT DESIGN, we are dedicated to manufacture luminaires of highest quality throughout the entire value chain through to After Sales Service.

Because of this, we confidently grant you a 5 years warranty on LED luminaires and 2 years warranty on emergency luminaires with effect of the date of invoice without prior registration of your project.

Warranty terms to be found under [www.rzb.de/en/service/warranty](http://www.rzb.de/en/service/warranty)

RZB - For a tangible added value.



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