

# C24

Central Battery System



**Normagrup**

Sense of Technology

# Central Battery System

The family of C24 Central Battery Systems enables remote supply of 24 Vdc emergency luminaries.



# C24

**Ranges compatible with 24 Vdc**

- Via led
- Via led surface
- Dunna
- Hermetic
- Extraplana
- Excellence
- Extraline
- Signal

## Central Battery System

Manufactured  
in accordance  
with standard  
EN 50171

As an innovation, Normalux launches a second generation of Central Battery Systems known as C24i Addressable. These new centrals are able to control each fitting connected to them individually, and manage several options (turning on and off, dimming, test execution, etc), as well as monitoring the status of each luminaire.

While the basic version offers two references depending on the output power (C24-100M at 100 W and C24-300M at 300 W), in this new version there is just one reference of 300 W (C24i-300).

C24i addressable has 8 outputs, compared to the C24 standard models that have only 4.

C24i addressable has 8 outputs, compared to the C24 standard models that have only 4.

Intelligent control that helps identify any possible problems and enables the control of:

- The Central unit itself and each of the 4 outputs of the standard version.
- The central unit itself, the outputs and each luminaire individually in the C24i addressable versions.

All of them can be controlled remotely.



C24-100M



C24-300M



Covers one fire sector



C24i-300 | Addressable System



Covers one fire sector

Compatible with



Compatible with



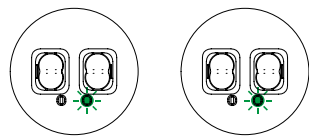
## Autotest System

(functional test + autonomy test)



# Central Battery System

## Status LED control



Status LED  
on: OK

Status LED  
blinking: FAILURE

Option to decide the status of the charging LED:

- ON: Line OK (C24) / fitting OK C-24Ad
- BLINKING: Line failure (C24) / Fitting failure (C24I).
- OFF.

WIRE SECTION	MAXIMUM INTENSITY	DISTANCE*
1,5 mm <sup>2</sup>	1 A	147 m
	2 A	74 m
	3 A	49 m
2,5 mm <sup>2</sup>	1 A	245 m
	2 A	123 m
	3 A	82 m
* Length for double wire and charge at end of line.		

## Technical features:

- Voltage: 230 V AC +/- 10%
- Wire cross section: 2.5 mm<sup>2</sup>
- Output voltage: 24 V DC +/- 20%
- Output wire section: 2.5 mm<sup>2</sup>
- Ambient temperature: -5°C to 25°C
- Class: I
- IP: IP30
- Outputs: 4 (C24-100M and C24-300M) / 8 (C24I-300)
- Maximum current: 3.5 A per output
- Dimensions:
  - C24-100M: 340 x 330 x 90 mm
  - C24-300M: 500 x 400 x 200 mm
  - C24I-300: 587 x 460 x 187 mm

## C24-I300

2 x 12 V · 7 Ah			2 x 12 V · 9 Ah			2 x 12 V · 12 Ah			2 x 12 V · 18 Ah			2 x 12 V · 24 Ah			
1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	1 h	3 h	8 h	
88 W	36 W	14 W	115 W	48 W	19 W	154 W	66 W	27 W	234 W	105 W	42 W	314 W	136 W	58 W	
3,86	1,70	0,76	4,97	2,19	0,97	6,62	2,92	1,30	9,94	4,39	1,95	13,25	5,85	2,60	
							✓								
							8								
							✓								
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EN 60598-2-22

IP20 - IK04



VIA LED is a new concept in emergency lighting. Its small size, its discrete presence and its versatility make it essential in modern installations that require design, safety and efficiency.

With VIA LED, the light can be focused longitudinally along halls or corridors (VV versions), or projected in its round shape in open areas (VS versions).

## Emergency lighting

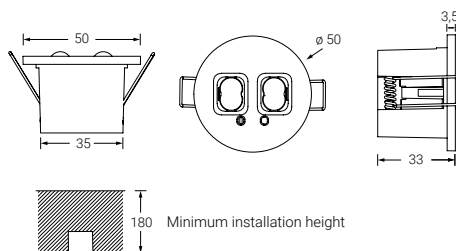
For ceiling recess



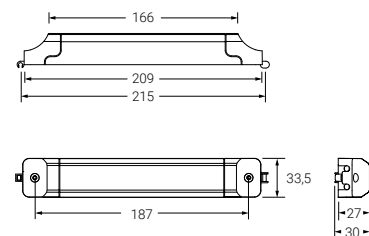
# Vía LED

## recessed

- Zamack housing.
- Light source: LED.
- VV versions for corridors and VS for open spaces.
- Charging LED.
- Test button.
- Power: 24 Vdc



DRV VIA LED



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IP20 - IK04



Version for ceiling mounting of the VIA LED emergency luminaire. Like the recessed version it has two different versions with different light distribution, enabling it to cover large halls (VMV Version) or large spaces (VMS version).

With a compact, elegant and minimalist design, the SURFACE VIA LED is the definitive emergency luminaire.

## Emergency lighting

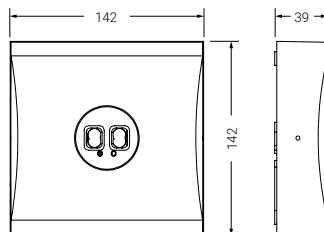
For ceiling mounting



# Vía LED

## surface

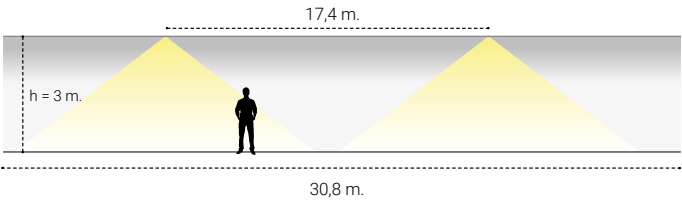
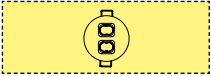
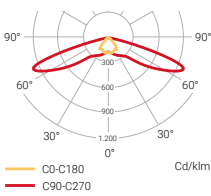
- VMV versions for halls and VMS for open spaces.
- Polycarbonate housing.
- Light source: LED.
- Charging LED.
- Test button.
- Power: 24 Vdc





MODELS

VMV | 170 lm | Corridors



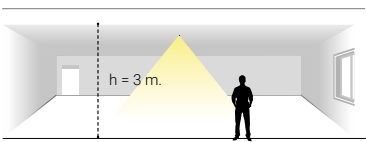
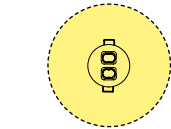
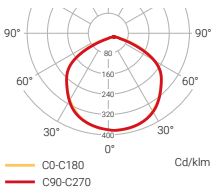
Corridor length 2 m.  
Objective 1 lux

! Save in the number of units needed

INTERDISTANCIAS			
POSITION	HEIGHT (m)		
	3	4	
⊙ → ⊙	6,2	7,4	
⊙ → ⊙	17,4	20,1	
⊙ → ▨	7,2	7,1	
⊙ → ▨	2,7	2,7	

Please ask for other heights. Take into account the orientation of the luminaire in the VV model.

VMS | 150 lm | Areas



Surface 39,59 m<sup>2</sup>

HEIGHT (m)	AREA (m <sup>2</sup> )
2,5	36,31
3,0	39,59
3,5	41,85
4,0	40,71
5,0	34,21

INTERDISTANCIAS			
POSITION	HEIGHT (m)		
	3	4	5
⊙ → ⊙	9,3	10,0	10,2
⊙ → ▨	3,5	3,6	3,3

In the VS model, the orientation of the light does not affect the distribution of light.



C24

C24i

IP 20					
	FINISH	POWER	LUMENS	CONSUMPTION	CURRENT
VMV-S2L24	White	24 Vdc	200 lm	1,80 W	0,075 A
VMS-S2L24	White	24 Vdc	190 lm	1,80 W	0,075 A
VMV-S2L24-4	Black	24 Vdc	200 lm	1,80 W	0,075 A
VMS-S2L24-4	Black	24 Vdc	190 lm	1,80 W	0,075 A
VMVI-S2L24	White	24 Vdc	200 lm	2,0 W	0,083 A
VMSI-S2L24	White	24 Vdc	190 lm	2,0 W	0,083 A
VMVI-S2L24-4	Black	24 Vdc	200 lm	2,0 W	0,083 A
VMSI-S2L24-4	Black	24 Vdc	190 lm	2,0 W	0,083 A

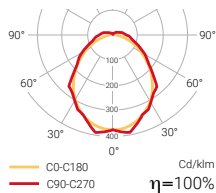
IP  
20

EN 60598-2-22  
IP42 - IK04

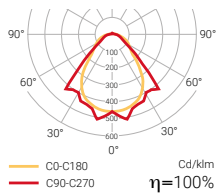


The DUNNA family reflects the experience obtained from manufacturing emergency lighting for almost half a century; it is one of our oldest and most successful luminaires but is constantly developing. The latest LED technology and an avant-garde redesign to adapt it to modern times.

Maintained led



Non-maintained led



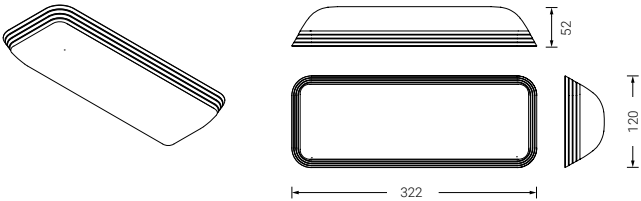
- For ceiling or wall mounting.
- For ceiling recesses via an accessory.
- IP65 via an accessory.
- Housing made from self-extinguishing ABS. Polycarbonate diffuser.
- Light source: LED.
- Charging LED.
- Test button.
- Power: 24 Vdc

Emergency lighting

For ceiling or wall mounting



Dunna



IP  
42

C24  
C24i

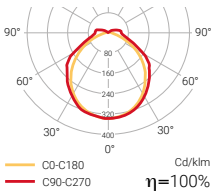
	FINISH	POWER	LUMENS	CONSUMPTION	CURRENT
<b>D-S32L24</b>	White	24 Vdc	330 lm	3,5 W	0,146 A
<b>DI-S32L24</b>	White	24 Vdc	330 lm	4,0 W	0,215 A

EN 60598-2-22  
IP65 - IK07

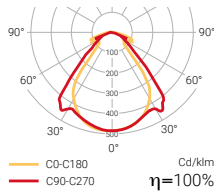


The HERMETIC range is designed to guarantee function in the most demanding buildings. Its IP65 combined with a wide range of versions makes it the perfect choice for large industrial areas, tunnels or car parks.

Maintained led



Non-maintained led



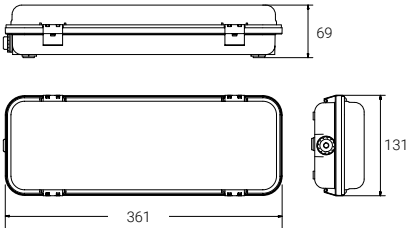
- For ceiling or wall mounting.
- Housing and diffuser made of polycarbonate.
- Light source: LED.
- Charging LED.
- Test button.
- Power: 24 Vdc

Emergency lighting

For ceiling or wall mounting



# Hermetic



IP  
65

C24  
C24i

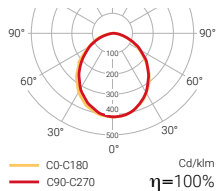
	FINISH	POWER	LUMENS	CONSUMPTION	CURRENT
DE-S32L24	White	24 Vdc	300 lm	3,5 W	0,146 A
DEI-S32L24	White	24 Vdc	300 lm	5,5 W	0,17 A

EN 60598-2-22  
IP42 - IK04

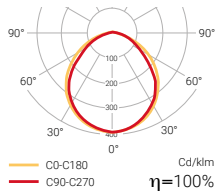


The EXTRAPLANA range can tackle any project thanks to its several different models and the options provided by the accessories offered.

Maintained led



Non-maintained led

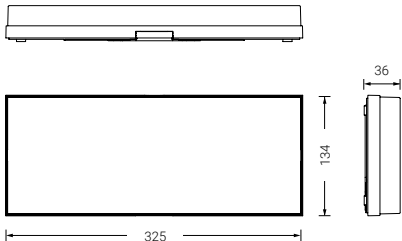


Emergency lighting

For ceiling or wall mounting



# Extraplana



# Extraplana

- Fast connection system using the pre-installation plate.
- Can be installed in the ceiling or in the wall using different accesories.
- IP65 via an accessory.
- IP42
- There is a frame for installing the luminarie embedded in the ceiling with a waterproof box.
- Housing made from self-extinguishing ABS. Polycarbonate diffuser.
- Light source: LED.
- Charging LED.
- Test button.
- Charging time 24 hours.
- Power: 24 Vdc



IP  
42

C24  
C24i

	FINISH	POWER	LUMENS	CONSUMPTION	CURRENT
<b>F-S32L24</b>	White	24 Vdc	300 lm	6,0 W	0,15 A
<b>FI-S32L24</b>	White	24 Vdc	180 lm	4,0 W	0,17 A

EN 60598-2-22 – EN 20392-93

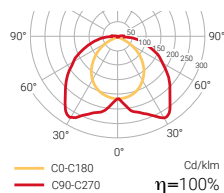
IP42 - IK04



## Emergency lighting

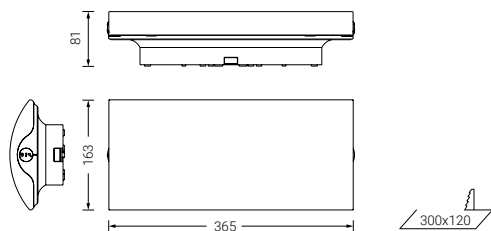
For mounting/recessed installation  
in the ceiling/wall

The EXCELLENCE emergency fittings are our bet on design and functionality. They are luminaires that are fully made from polycarbonate with stylised linears ideal for mounting on the wall/ceiling or recess installation.



# Excellence

- Housing, diffuser and base: polycarbonate.
- IP42
- Light source: LED or fluorescent.
- Batteries: NiCd (high temperature).
- Charging LED.
- Test button.
- Power: 230 Vac • 50/60 Hz.







IP  
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		FINISH	POWER	LUMENS	CONSUMPTION	CURRENT
C24	<b>E-S32L24</b>	White	24 Vdc	200 lm	2,6 W	0,108 A
C24i	<b>EI-S32L24</b>	White	24 Vdc	365 lm	2,74 W	0,114 A

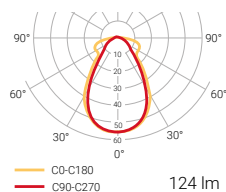
EN 60598-1 – EN 1838

IP20 - IK04



EXTRALINE was born as an evolved version of the SIGNAL7 family with two models depending on the mode of operation:

- Exit sign model (reference XS), to help locate the exits in the evacuation route.
- Exit sign + emergency lighting model (reference XD), Which locates the exits and illuminates the evacuation route at the same time. This second function is achieved by means of a secondary source of light located in the lower part of the pictogram.



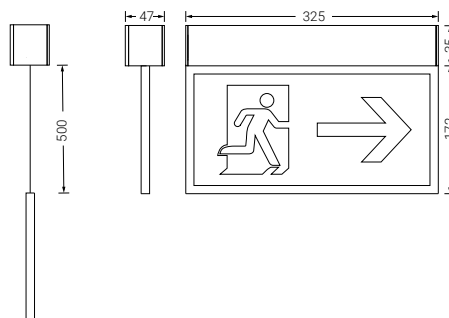
- Already includes the accessory to install it suspended from the ceiling.
- Pictograms included in the packaging.
- Perpendicular/parallel assembly on the wall using an accessory.
- Housing: polycarbonate. Blade: methacrylate.
- Light source: LED.
- Charging LED.
- Test button.
- Charging time 24 hours.
- Power: 24 Vdc

## Exit signs

Fitting with a double function:  
illumination and signalling



# Extraline



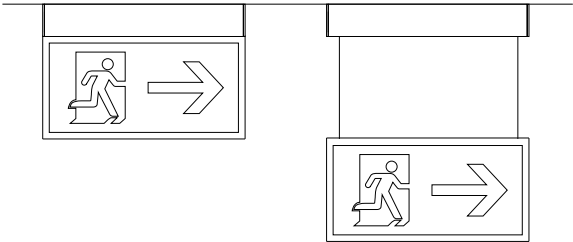
Viewing distance  
Distancia de visibilidad

30 m



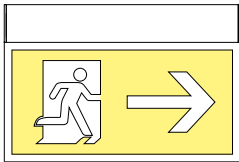


Two different mounting options not requiring extra accesories: surface mounted on the ceiling or suspended from the ceiling.

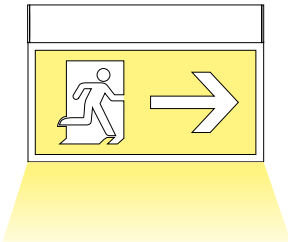


XD Fitting with double function:  
Exit sign and emergency lighting

XS



XD



Maintained LED

IP  
20

		FINISH	POWER	LUMENS	CONSUMPTION	CURRENT
C24	<b>XD-S24</b>	White	24 Vdc	100 lm	5,28 W	0,220 A
	<b>XS-S24</b>	White	24 Vdc	-	2,64 W	0,110 A
C24i	<b>XDI-S24</b>	White	24 Vdc	100 lm	5,48 W	0,228 A
	<b>XSI-S24</b>	White	24 Vdc	-	2,74 W	0,114 A

EN 60598-1 – EN 1838  
IP20 - IK04



The SIGNAL 7 Exit Signs were designed as extremely versatile fittings to cover all installation needs. Constructed with polycarbonate housing and a methacrylate blade guaranteeing a visibility distance of 24 m.

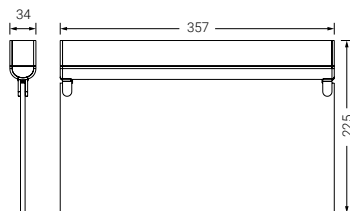
## Exit signs

Mounted assembly on the ceiling



# Signal 7

- Suspended assembly, recessed or mounted installation on the wall using an accessory.
- Housing: polycarbonate. Blade: methacrylate.
- Light source: LED.
- Charging LED.
- Test button.
- Power: 24 Vdc
- Pictograms included in the packaging.





Viewing distance

24 m

## Maintained LED

IP  
20

C24

**SG-S24-K**

FINISH

White

POWER

24 Vdc

CONSUMPTION

1,70 W

CURRENT

0,071 A

**SG-S24-K-1**

Anthracite

24 Vdc

1,70 W

0,071 A

**SG-S24-K-2**

Aluminum

24 Vdc

1,70 W

0,071 A

C24i

**SGI-S24-K**

White

24 Vdc

2,40 W

0,1 A

**SG-S24-K-1**

Anthracite

24 Vdc

2,40 W

0,1 A

**SG-S24-K-2**

Aluminum

24 Vdc

2,40 W

0,1 A

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**NORMALUX**

Emergency lighting  
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