

# LEDME PRO - HG-ZLZD-E22(16)WDLK33

3-inch circular embedded fire emergency downlight

# WAC

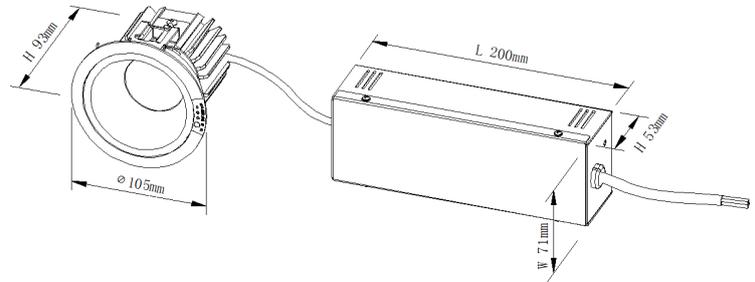
PROJECT:

TYPE:

## Product Image



## Line Drawing



## Product Description

The LEDME Pro series LED circular embedded fire emergency downlight is exquisite and simple, equipped with a unique black mirror reflector, with precise light distribution and excellent anti glare effect. Adopting a structure and electrical design that meets the requirements of CCCF, retaining a narrow edge style, and seamlessly integrating with the ceiling after installation, it is mainly suitable for indoor spaces such as hotels, villas, and commercial spaces.

## Product Features

- Body Material: Aluminum alloy die-casting body
- Optical System: Lens+ Reflector
- Finish: Static electricity powder coating
- Projection direction: /
- Accessories/Brackets: /
- Certification: CCCF(Certification code HG-ZLZD-E22WDLK33 and HG-ZLZD-E16WDLK33)
- IP Rating: IP30
- Insulation Level: Class I
- Operating Temperature: -20°C~40°C

## Product Specifications

- Dimension: Ø93mm
- Ceiling thickness: 1mm~20MM
- Shielding Angle: 35°
- LED Type: COB
- Source Lm: 3000K : 1980 lm/22W; 1430 lm/16W
- LED Lifetime: >50000h-L70 /B10-Ta25°C(LM-80/TM-21)
- CCT/CRI: 2700K/3000K/4000K, CRI≥90
- Input: 220V AC /50Hz
- Emergency time: >90min (typical value 120min),>50lm
- Dimming: No Dimming, strict adherence to fire emergency standards is required for use.
- Net Weight: 1.5Kg without packing

## Order Model

Model	Sys.Power	Type	Beam	CCT	Reflector	Finish
DL Downlight	16W 16W	K33 DLK33	2 20°	27 2700K	S Specular	W White
	22W 22W		3 36°	30 3000K		
			4 48°	40 4000K		
			5 55°			

Example: DL16WK33230SW

Note: The CCCF certification code and ordering code are not exactly the same, and must be used strictly according to the standards. Please refer to the "Instructions for Use" and "Installation Manual" for details.

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## 3-inch circular embedded fire emergency downlight

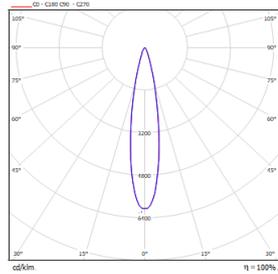
# WAC

PROJECT:

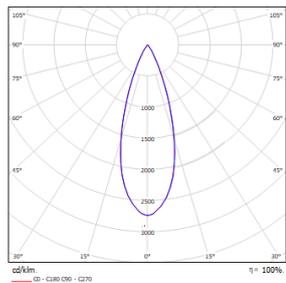
TYPE:

### Accessory

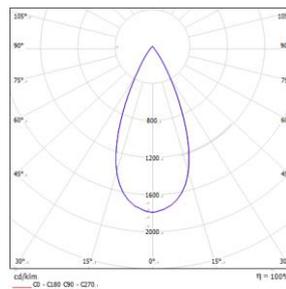
### LIGHT DISTRIBUTION@3000K LUMINAIRE DATA(PARAMETERS FOR NON EMERGENCY LIGHTING OF THE MAIN LIGHT)



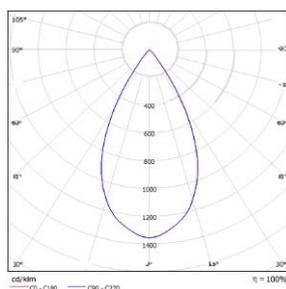
<b>MODEL:</b>	DL16WK33230	DL22WK33230
<b>BEAM ANGLE:</b>	20 °	20 °
<b>POWER:</b>	16W	22W
<b>LUMENS:</b>	1105 lm	1537 lm
<b>CBCP:</b>	6010cd	8385cd
<b>EFFICACY:</b>	69 lm/W	70 lm/W



<b>MODEL:</b>	DL16WK33330	DL22WK33330
<b>BEAM ANGLE:</b>	36 °	36 °
<b>POWER:</b>	16W	22W
<b>LUMENS:</b>	1002 lm	1405lm
<b>CBCP:</b>	2686cd	3849cd
<b>EFFICACY:</b>	63 lm/W	64 lm/W



<b>MODEL:</b>	DL16WK33430	DL22WK33430
<b>BEAM ANGLE:</b>	48 °	48 °
<b>POWER:</b>	16W	22W
<b>LUMENS:</b>	1075 lm	1458 lm
<b>CBCP:</b>	1772cd	2393cd
<b>EFFICACY:</b>	67 lm/W	66 lm/W



<b>MODEL:</b>	DL16WK33530	DL22WK33530
<b>BEAM ANGLE:</b>	55 °	55 °
<b>POWER:</b>	16W	22W
<b>LUMENS:</b>	1120 lm	1514 lm
<b>CBCP:</b>	1530cd	2066cd
<b>EFFICACY:</b>	70 lm/W	69 lm/W

### Instructions for use

There are three color indicator lights on the lamp: red (charging), green (main power), and yellow (fault), one each (or one red yellow green indicator light), one test button, and one buzzer (inside the electrical box).

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**Main power:** Green indicator light. When this indicator light is on for a long time, it indicates that the mains power is normal (note: this light has a voltage automatic conversion circuit. If the mains voltage is around 150V, the lamp will switch from the main power state to the emergency state. When the mains voltage rises to around 170V, the lamp will automatically restore the main power state from the emergency state. When using this lamp, check whether the input AC voltage is normal). This indicator light flashes slowly, indicating that the lamp has entered the monthly inspection status. This indicator light flashes quickly to indicate that the lamp has entered the annual inspection status.

**Charging:** Red indicator light. When the AC input terminal of the lamp is connected to the AC220V power supply, the circuit inside the light will automatically charge the battery. The battery is in charging state, and the red indicator light will light up. When the battery is fully charged, the red charging indicator light will go out. After being fully charged, the circuit will automatically switch to trickle float charging state, extending the service life of the lamp.

**Fault:** Yellow indicator light, various states are as follows:

1. When the battery is not installed or the battery connections are not properly connected, the DC fuse is open, the battery is short circuited or fails, or the battery charging circuit is short circuited, the yellow light will flash slowly.
2. When the light source is open or short circuited, and the emergency circuit malfunctions, the yellow light will flash rapidly.
3. When the annual inspection time is less than 30 minutes, the yellow light will remain on for a long time.

**Test button:** Self resetting button, users should regularly check the corresponding emergency lights according to the requirements of the fire department. When the pressing time is less than 3 seconds, it simulates a main power supply failure. The lamp enters the monthly inspection state between 3-6 seconds, and when the pressing time is more than 6 seconds, the lamp enters the annual inspection state. Pressing the button during the monthly and annual inspections can restore the lamp to its normal state. Pressing continuously for more than 3 seconds in the emergency state of the lighting fixture can turn off the emergency output.

**Buzzer:** When a lamp malfunctions, it will sound for 1 second and stop for 10 seconds, reminding users to perform maintenance according to the status of the yellow fault indicator light.

**Over discharge protection:** The internal circuit of the lamp has precise over discharge protection. When the battery voltage is discharged to 82% -85% of the rated voltage, the over discharge circuit will promptly cut off the discharge circuit. After cutting off, the current is zero, which can effectively protect the battery and extend the service life of the lamp.

**Monthly and Annual Inspections:** The lighting fixtures have automatic monthly and annual inspection functions. When in normal use and emergency operation without discharging to the automatic shutdown state, the lighting fixtures will automatically switch from the main power working state to the emergency working state every  $30 \pm 2$  days after being powered on for 48 hours and continue for 60 seconds. Then, they will automatically return to the main power working state, and the green indicator light will enter a slow flashing state. The lighting fixtures will continue to operate on the main power every year and will automatically transition from the main power working state to the emergency working state and continue until the discharge is terminated. At the same time, the green indicator light will enter a fast flashing state. If the emergency working time is less than 30 minutes, the lighting fixture buzzer will sound for 1 second, stop for 10 seconds, and the yellow indicator light will remain on.

The light source and battery of this series of lamps are non user replaceable. If necessary, please contact your local dealer or manufacturer.