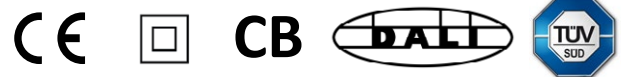


# 8202 Series

## LED EMERGENCY LIGHTING



### General Description

8202 series of LED emergency lights are micro in size, sleek, flush mounted and has option for switched maintained mode of operation for all models. With power consumption of only 5 watts, 120 degrees beam angle, and 180 lm flux output, this range of luminaires are the first choice of architects for anti-panic lighting in hotel rooms, offices and other public areas in malls.

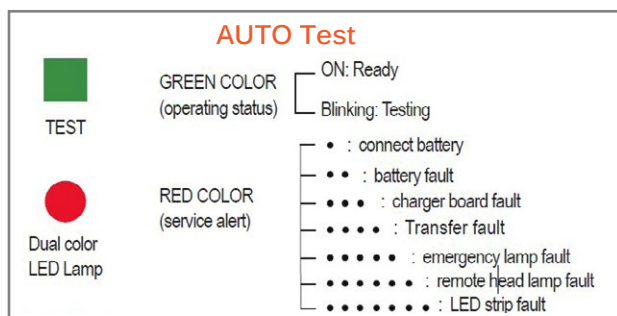
This series comes with options for one hour & 3 hours battery stand-by time, and has various models with options for self-contained manual testing, self contained auto testing and DALI monitored self contained luminaire.

### AUTO Test

Auto-Test Option provides automatic testing of light fitting when used without DALI central monitoring option, and provides continuous monitoring of the unit and indicates service alert using dual-color LED lamp

**The unit will automatically initiate a Self-Test and Self-Diagnostics test as follows:**

- Verifies battery disconnection, charger failure, lamp failure and transformer
- failure at every 5 seconds.
- One minute self-testing every month.
- 30 minutes self-testing on the 6th month of the year after installation.
- 90 minutes self-testing on the 12th month of the year after installation.
- Automatically indicates lamp, battery and charger status by dual-color
- LED lamp.
- Factory preset - does not need field adjustment.



### Manual Test

Tests are initiated manually, and can be initiated by the following action:

Press test button once	30 seconds test
Press test button twice (within 2 seconds)	3 minutes test
Press test button 3 times (within 2 seconds)	30 minutes test
Press test button 4 times (within 2 seconds)	1 hour or 3 hours test

### Service Alert code for Manual Testing:

One blink ON/pause (4 seconds)	Battery is not connected
Two blink ON/pause (4 seconds)	Battery is shorted or Battery voltage drops below than acceptable value
Three blink ON/pause (4 seconds)	Charger board circuit fault
Four blink ON/pause (4 seconds)	Transfer fault
Five blink ON/pause (4 seconds)	Emergency lamp fault

## PRODUCT FEATURES

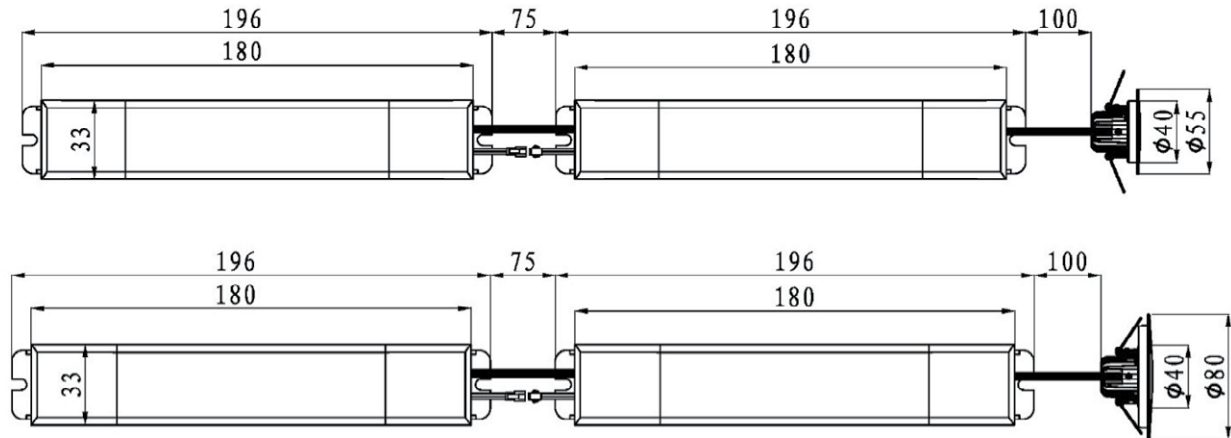
Feature	Description
Input voltage:	220-240V, 50/60Hz
Power consumption:	5.0W max.
Charge time	24 hours
Emergency Duration	1 hour/3 hours
Operation:	Maintained / Non- maintained optional and switchable maintained
Working temperature	0°C to 40°C
Source:	LGIT 3535 LED 3W, 6500K
Luminous flux	180 lm, constant on emergency duration
Battery	Ni-MH battery, AA type 3.6V2.6Ah (3 hours) Ni-MH battery, AA type 3.6V1.3Ah (1 hour)
Mounting:	Ceiling recessed mounting, ceiling thickness 25mm max.
IP rating:	IP20
Protection class	II
Beam angle	120°
Round cover	Diameter 55mm or 80mm optional
Cut out:	Diameter 42-50mm or 66-70mm
Material:	All materials RoHS compliance Product Function

### Product Function optional

- 1) AUTO Test (basic function) : provides self-contained automatic testing in compliance to IEC62034.
- 2) DALI : DALI options give further benefits to the user enabling the testing and monitoring of the emergency lighting system on site or via the internet.

The luminaire will maintain the same lux output during the entire emergency mode (battery operation) for the full battery period specified. This is achieved as our luminaires are working on "constant current" mode, and the same current output is maintained even if the battery voltage goes down. The luminaire output is totally cut off when the battery voltage falls below a certain pre-determined voltage".

## DIMENSIONS (mm)



**8202 Dia. 55mm trim plate**



**8202 Dia. 80mm trim plate**

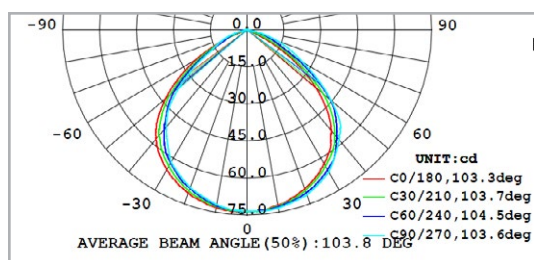
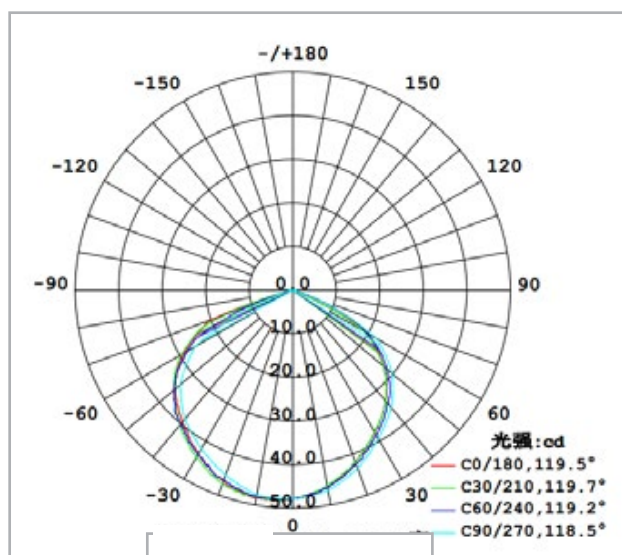
## CERTIFICATION

### Complying Standards

- EN60598-2-22
- EN55015
- EN60598-1
- EN61547
- EN60598-2-2
- EN61100-3-2
- EN62493
- EN61100-3-3

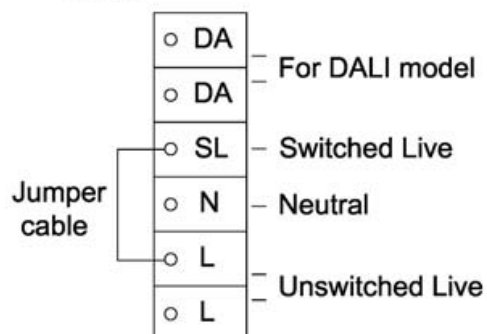


## Photometric



## Wiring Instruction

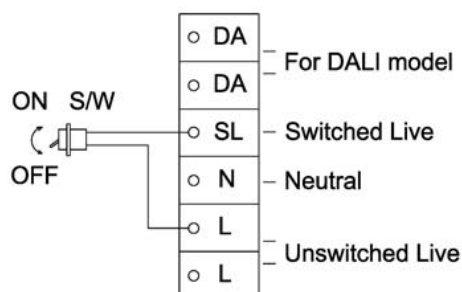
A, Make Maintained or Non-Maintained wiring.



Maintained (default operation):  
Connect L,N and leave jumper cable connected.

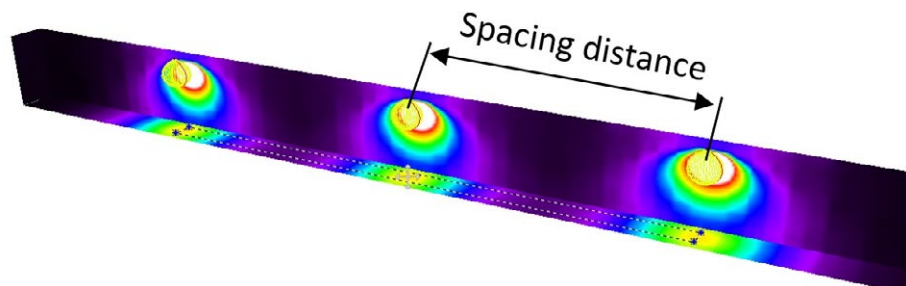
Non-maintained:  
Connect L,N and remove jumper cable.

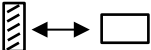

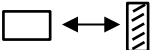
B, Make ACEM wiring (switchable maintained).



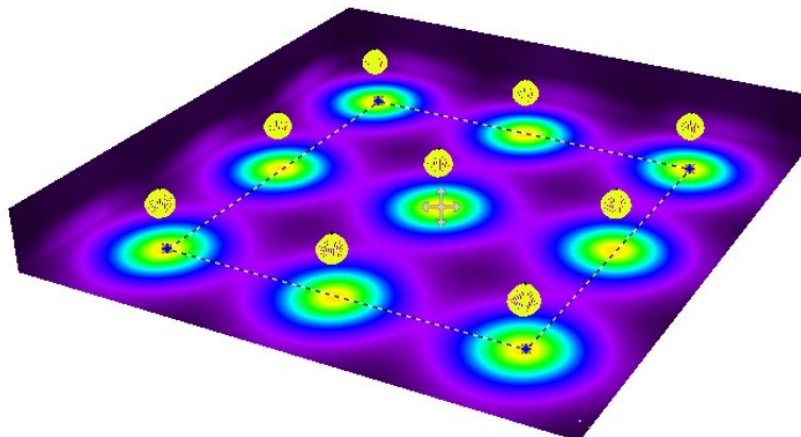
Connect L,N and remove jumper cable and connect switched line between SL and L terminal.



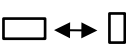

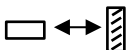
## For escape route



Mounting Height			
2.5m	4.8m	12.0m	4.8m
3.0m	5.4m	13.5m	5.4m
3.5m	5.8m	14.5m	5.8m
4.0m	6.2m	15.5m	6.2m

## For anti-panic area



Mounting Height					
2.5m	3.0m	10.0m	9.0m	7.5m	4.0m
3.0m	3.2m	11.0m	10.0m	8.0m	4.4m
3.5m	3.4m	11.5m	10.0m	8.5m	4.6m
4.0m	3.6m	12.0m	11.0m	9.0m	4.8m

## MODEL LIST

Part number	Alternative part number	Test facility	Dis-charge time	Battery	Trim plate	Lumen output
8202-1AH	EMDS2/1H/AT	Auto test	1H	Ni-MH battery 3.6V 1.3Ah	D55	180lm
8202-3AH	EMDS2/3H/AT	Auto test	3H	Ni-MH battery 3.6V 2.6Ah	D55	180lm
8202-1AH(80)	EMDS2/1H/AT/DA80	Auto test	1H	Ni-MH battery 3.6V 1.3Ah	D80	180lm
8202-3AH(80)	EMDS2/3H/AT/DA80	Auto test	3H	Ni-MH battery 3.6V 2.6Ah	D80	180lm
8202-1DH	EMDS2/1H/DA	DALI	1H	Ni-MH battery 3.6V 1.3Ah	D55	180lm
8202-3DH	EMDS2/3H/DA	DALI	3H	Ni-MH battery 3.6V 2.6Ah	D55	180lm
8202-1DH(80)	EMDS2/1H/DA/DA80	DALI	1H	Ni-MH battery 3.6V 1.3Ah	D80	180lm
8202-3DH(80)	EMDS2/3H/DA/DA80	DALI	3H	Ni-MH battery 3.6V 2.6Ah	D80	180lm

## ORDER GUIDE

X-Y-Z ARE THE THREE ALPHABETS AFTER THE SERIES NUMBER OF THE MODEL						(W/N/H/80)
X		Y		Z		80
Battery stand-by Duration		Type of test		Battery Type		Application
1	For 1 Hr	M	Manual testing	L	Lithium Iron Phosphate	80 = Dia. 80mm round cover
3	For 3 Hrs	A	Auto Testing	C	Nickle cadmium	
		D	DALI	H	Nickel metal Hydride	