



Digital building lighting system



# DLC-02 Introduction

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# DALI 2.0 Introduction



Digital Addressable Lighting Interface



IEC62386 Standard



DALI Bus  
(IEC62386-101)



DALI Bus

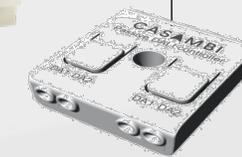
Control Gear  
(IEC62386-102/207/209)



Control Device  
(IEC62386-103)

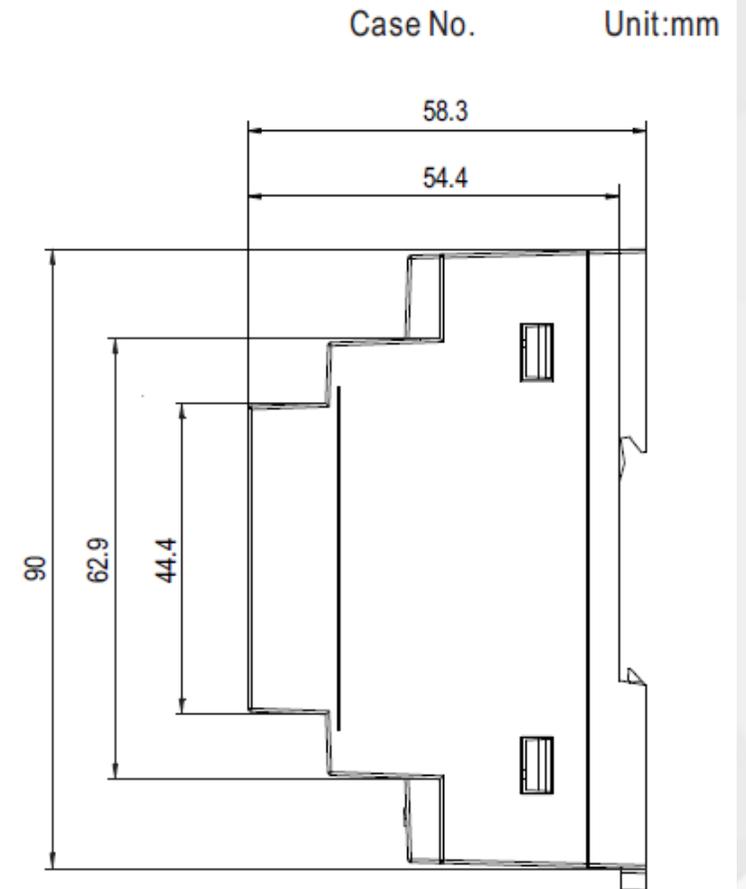
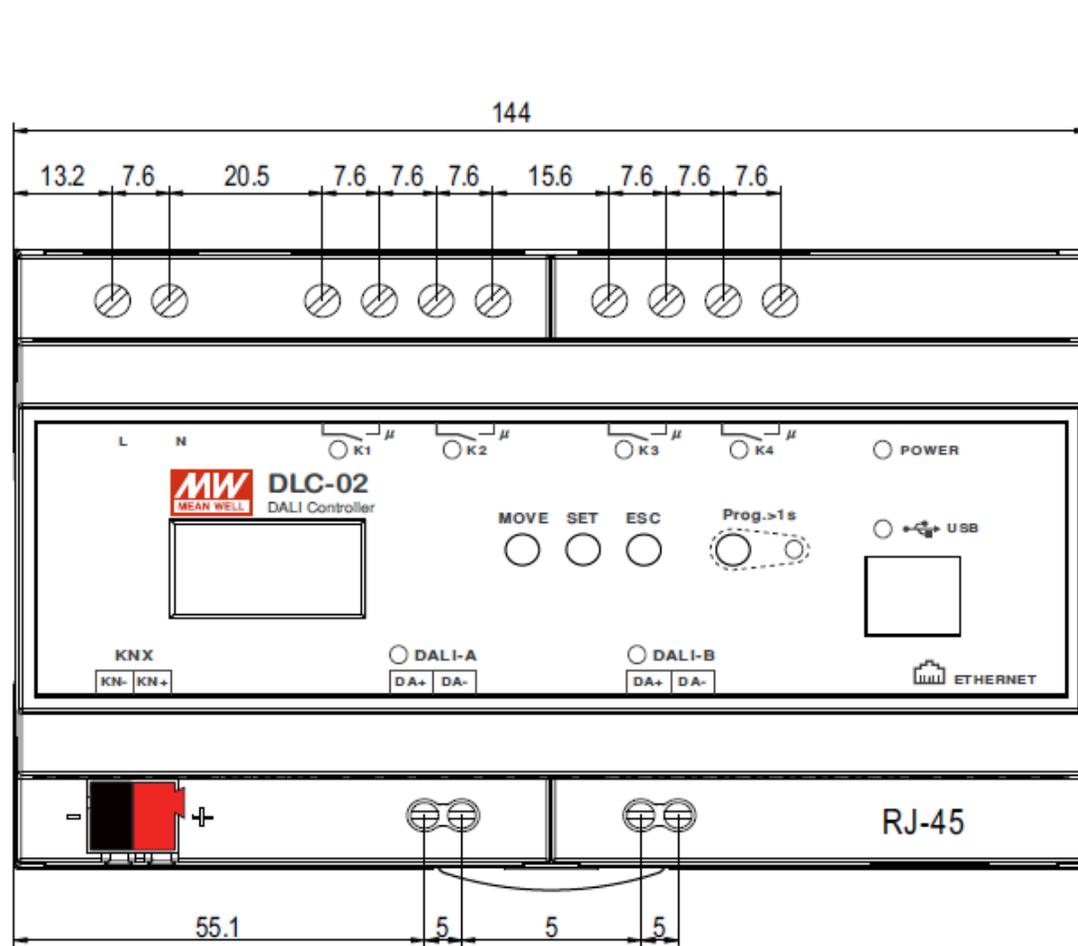


Wireless system  
(IEC62386-104)



Bluetooth gateway to DALI system

# All in one DLC-02 DALI 2.0 Controller Intro



# All in one DLC-02 Product Specification



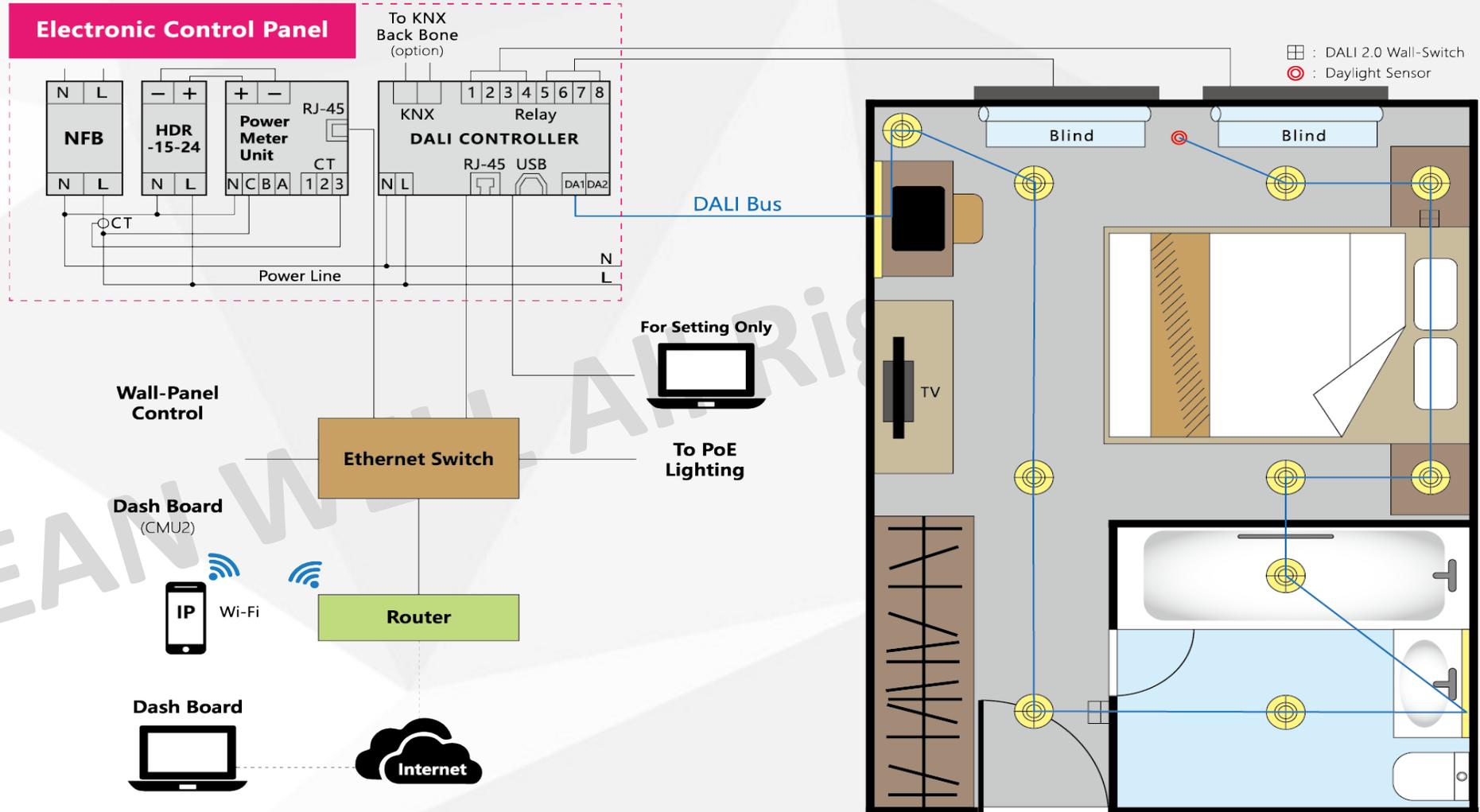
Model Name	DLC-02 / DLC-02-KNX
Electrical specifications and communication interface	
Input Voltage	100 ~ 305VAC , class II (2.5 mm <sup>2</sup> max.)
Frequency Range	47 ~ 63Hz
Output Voltage (DALI Bus)	2*16V DC Bus (2.5 mm <sup>2</sup> )
Output Current (DALI Bus)	2* 250mA
Rated Power	15W
Working Temperature	-20~50°C
Relay contact capacity	4×5A Relay (Normal open) (2.5 mm <sup>2</sup> )
Communication Interface	RJ45 *1 Ethernet IP/USB- type B *1/ <b>KNX*1</b>
LED Indicator	Power indicator*1/ Relay status indicator*4/ DALI bus indicator*2 /USB indicator*1
LCD Screen	With control buttons to set and view settings
Installation	DIN-RAIL DIN 43880 35mm, EN5002
Dimension	140*90*58.4 mm ( <b>8SU</b> Step shape)
Warranty	<b>5 Years</b> /50,000 hrs.
DALI specifications	
Number of lamps can be connected	Up to 64 individual DALI-2 Control gear can be connected in a DALI segment, <b>total 2*64</b>
Number of Input devices can be connected	Up to 12 individual DALI-2Input device can be connected in a DALI segment, <b>total 2*12</b>
Scene/group	Each DALI bus can have 16 scenes and 16 groups

# Key Features

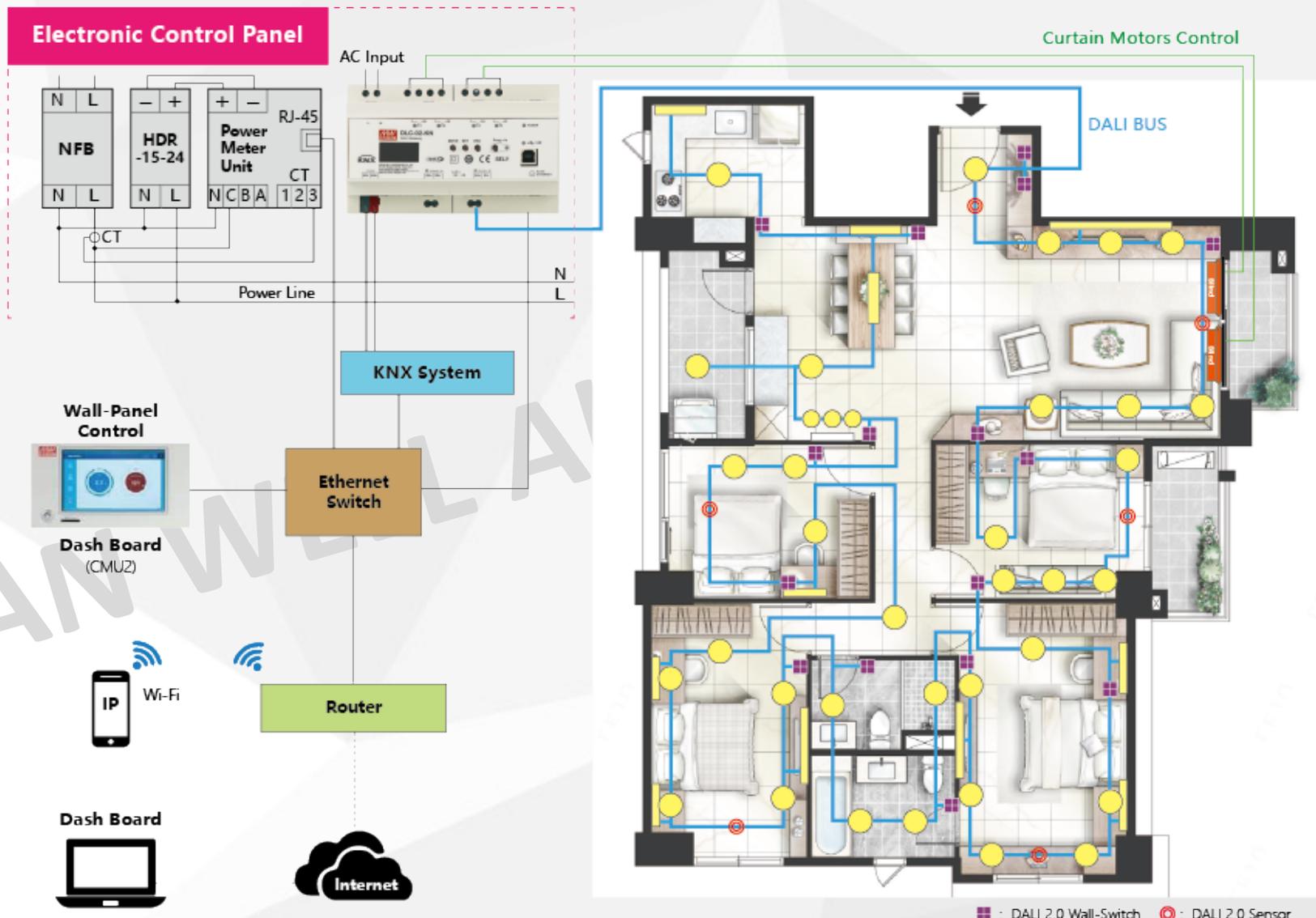
- Comply with IEC 62386 DALI-2 ,Part 101/Part 103
- 2 independent DALI bus, can be connected to Control Gear and Control Device for Application
- 4 programmable relays, can be used as an electrical switch or two sets of electric curtains
- Can be used with DLC software for on-site system settings or remotely through network to modify settings
- Built-in LCD display and control buttons to set and view settings
- Built-in timer IC, commission schedule can be set through DLC software
- Communication interface : RJ-45 and KNX, can be used for connection expansion with other building automation systems
- Din-rail, compact design 8SU width(140\*90\*58.4mm)



# Application-Hotel Room Lighting



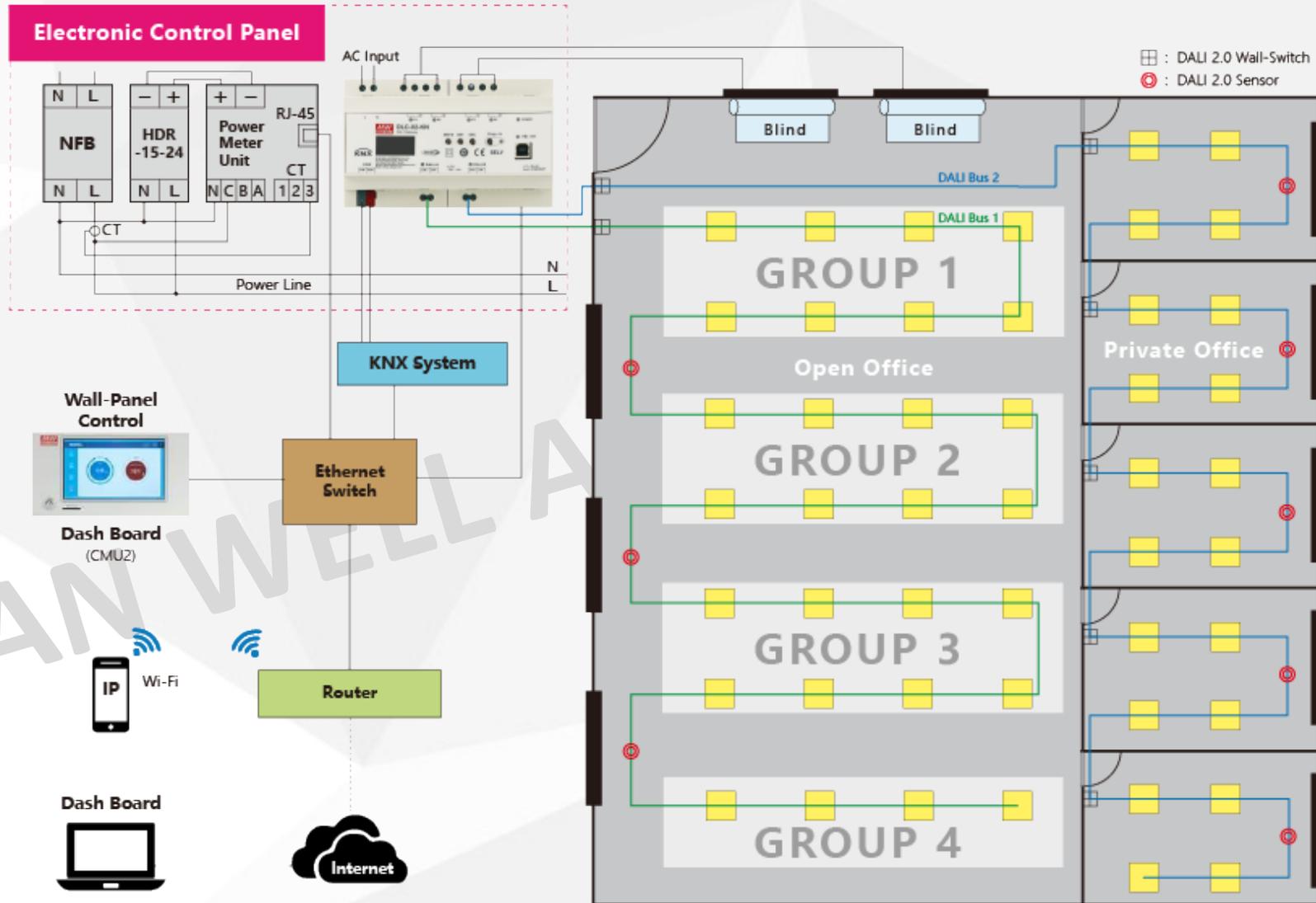
# Application-Luxury Apartments Indoor Lighting



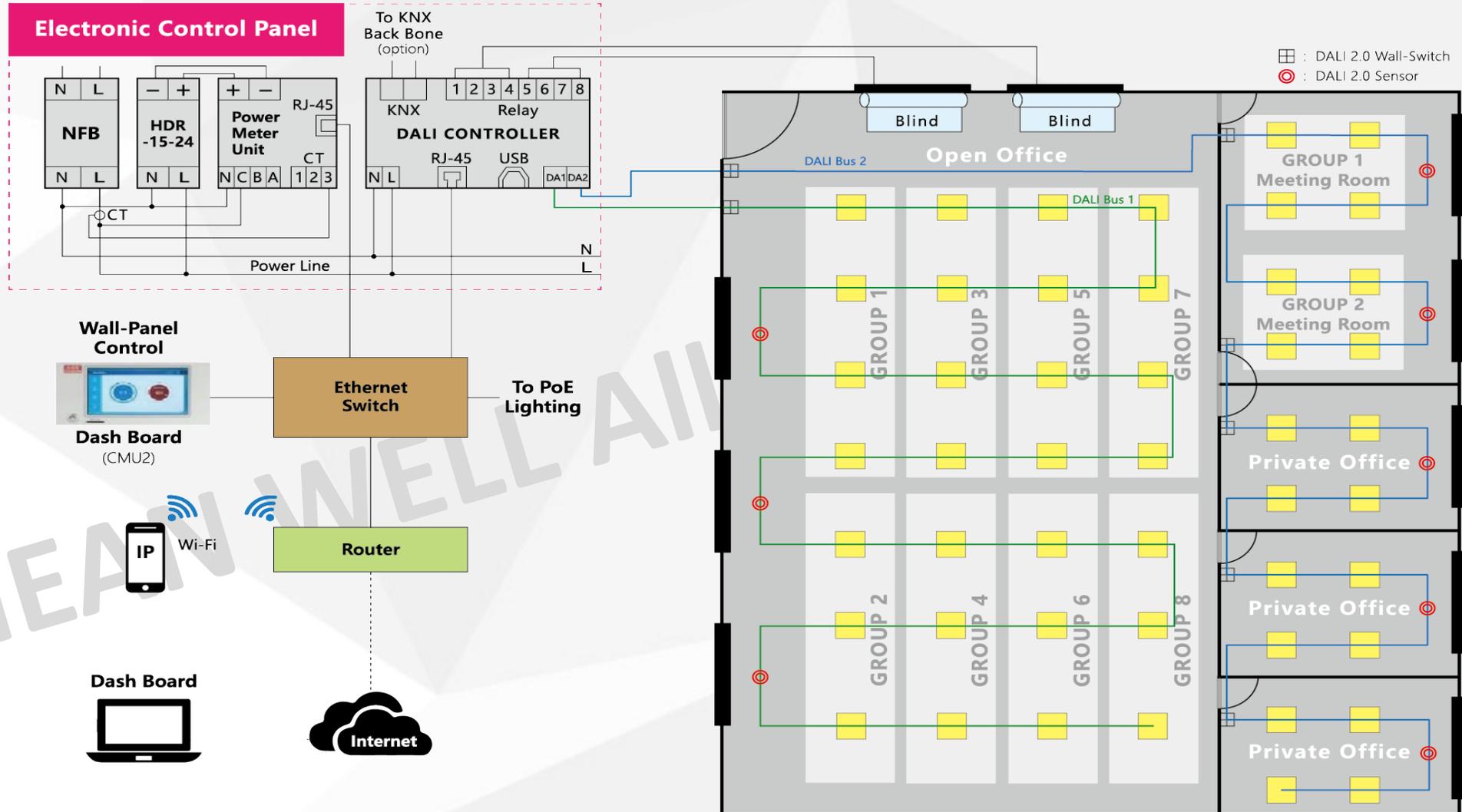
■ : DALI 2.0 Wall-Switch    ● : DALI 2.0 Sensor

Image Source: [https://www.leju.com.tw/page\\_search\\_result?oid=La90111043b5808](https://www.leju.com.tw/page_search_result?oid=La90111043b5808)

# Application-Office lighting-Case 1

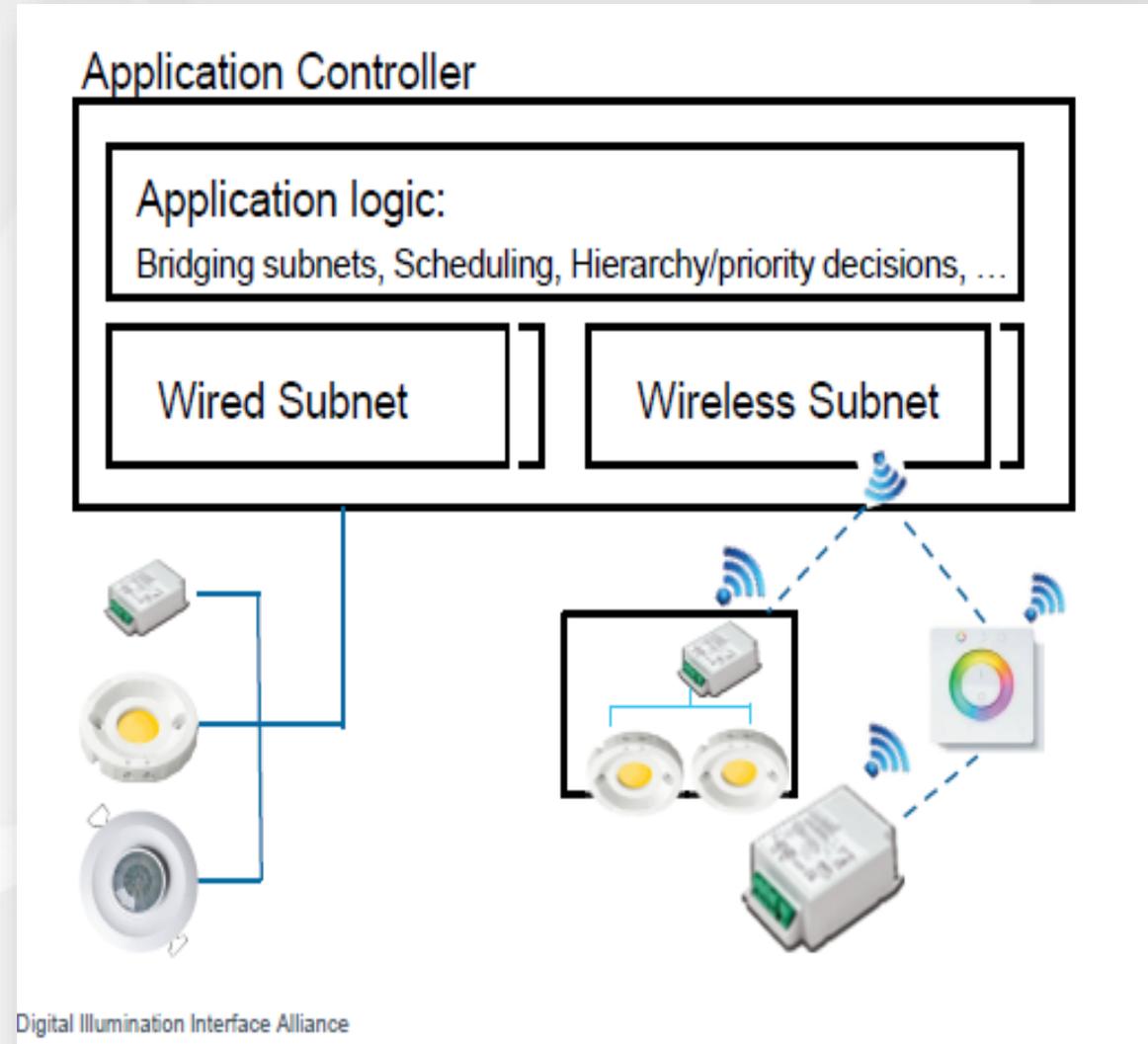


# Application-Office lighting-Case 2



# DALI Digital Lighting Control Advantages

- It is easy to expand and can be combined with **any DALI 2.0 peripheral products, fully using Multi-Master's digital lighting control.**
- DALI can **modify the group settings at any time, no need to re-wiring, reducing construction costs and time.**
- **DALI can be combined with wireless IoT** (Bluetooth/ Zigbee / Thread) or wiring KNX application and so on. Easy to integrate with other systems into a complete Ecosystem,





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