







## ILS - ORGANIC RESPONSE Sensor Node




**App**  
"Organic Response Express"  
app (Bluetooth)









**App**  
"Organic Response Express"  
app (Bluetooth)




<https://qrco.de/bcsGF9>

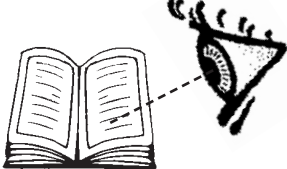



**Organic Response GATEWAY**  
art. X685





**MANUAL USE**




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**App**  
"Organic Response"  
(Infrared with Dongle, for cloud  
solution/istallation with gateway)




**Dongle**  
art. X687

**I.R.**





**App**  
"Organic response Express"



<https://qrco.de/bcsGCA>

**OVERVIEW**  
Sensor Nodes and their communications form the foundation of the Distributed Intelligence which lies at the heart of the Organic Response System. Each Sensor Node has a motion detector, ambient light sensor, infrared transceiver and an RF transceiver. Ideally (and typically) Sensor Nodes are integrated into each luminaire.  
Sensor Nodes control the light output of their associated luminaire using a DALI two wire connection to the Luminaire Driver. Light output is based on a combination of information the Sensor Node collects from its environment, and information it receives from neighboring Sensor Nodes, Wall Switches, smartphones or other devices connected via the OR IoT Gateway. Sensor Nodes have numerous configurable parameters, including, but not limited to:

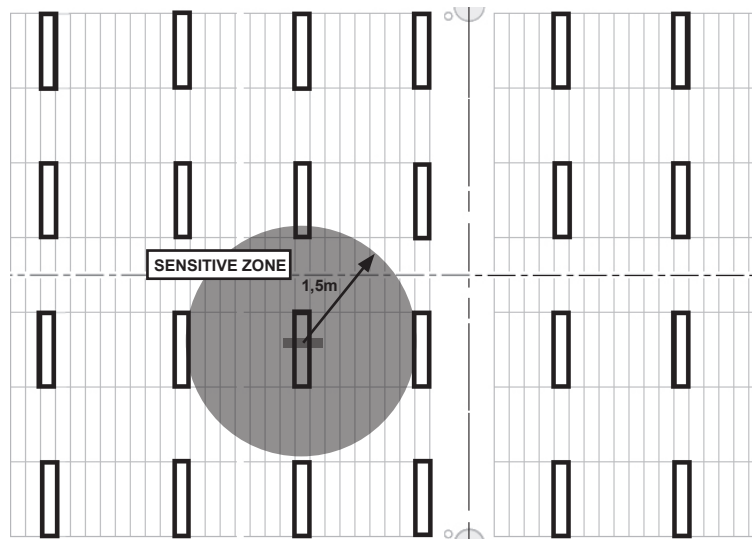
- Max Light Level
- Personality
- Dwell Time
- Daylight Dimming
- Scenes
- Zones

Further information on the configuration and use of these parameters can be found in the Organic Response user guide at [iguzzini.com](http://iguzzini.com) or directly contact iGuzzini.

TECHNICAL DATA	
<b>DIMMING</b>	Logarithmic. Note: The DALI driver must be configured for logarithmic dimming function.
<b>NODE TO NODE COMMUNICATION PROTOCOL - CONTROL</b>	Organic Response - Wireless infrared
<b>NODE TO NODE COMMUNICATION PROTOCOL - DATA</b>	Wirepas – Wireless RF
<b>RF FREQUENCY BAND</b>	2.4 GHz
<b>RF RANGE - NODE TO NODE</b>	8m max – non Line Of Sight (wireless link operating mode)
<b>RF OPERATIONAL PERFORMANCE</b>	Ability to operate in an office environment with performance unaffected by surrounding structures, walls, ceilings, enclosures and by other RF devices which may be present.
<b>PRODUCT ENVIRONMENT FOR USE</b>	Indoor areas, with recommended ceiling height from 2.7m to 3.7m

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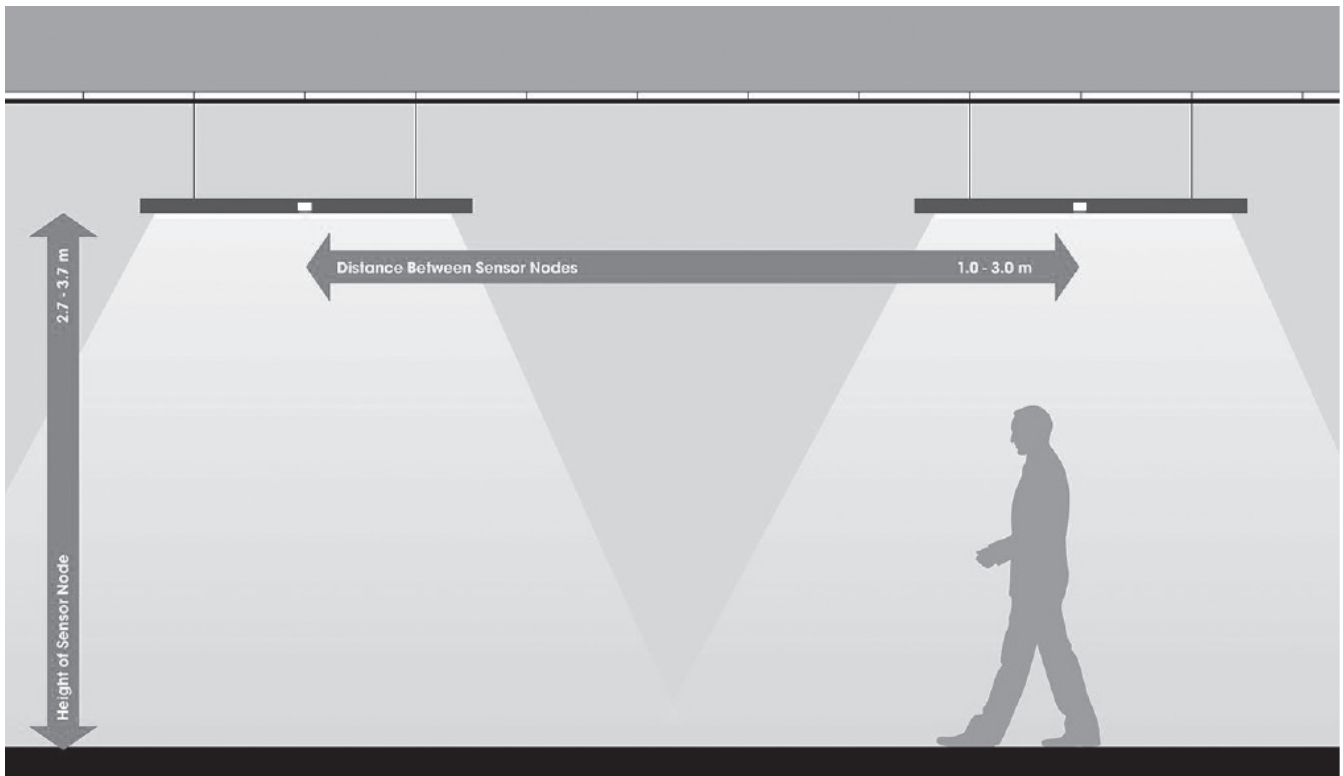
## MOTION SENSOR



Detection Range of a single Sensor Node imposed over a Typical Office Layout.  
(1.5m circular radius, 2.7m luminaire height)

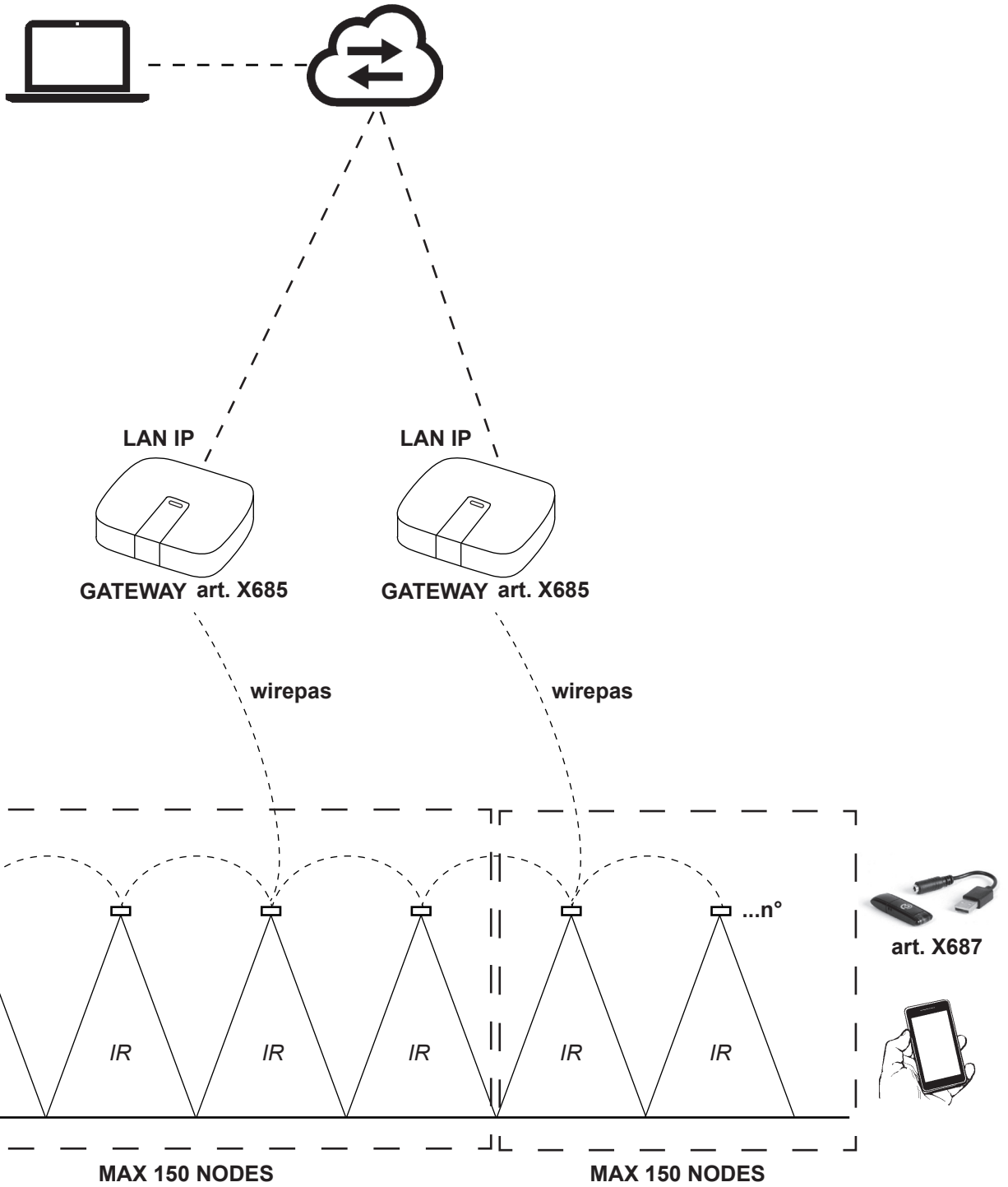
## KEEPING THE OIC CONTIGUOUS

Organic Response Sensor Nodes communicate with each other wirelessly to form a smart sensor network which we call the Occupancy Information Cloud (OIC)™. The system relies on peer to peer communication between neighboring Sensor Nodes to maintain the integrity of the OIC and allow the light fittings to operate as a system. For this reason, nodes must be installed with the spacing indicated below:



Recommended mounting height and neighbour spacing.  
For height - spacing other than those indicated, please contact iGuzzini.

Organic Response GATEWAY  
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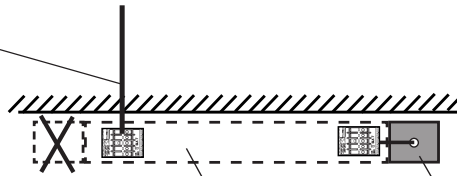
# LIGHT SHED 14

ORGANIC RESPONSE TECHNOLOGY MULTISENSOR ART. X667



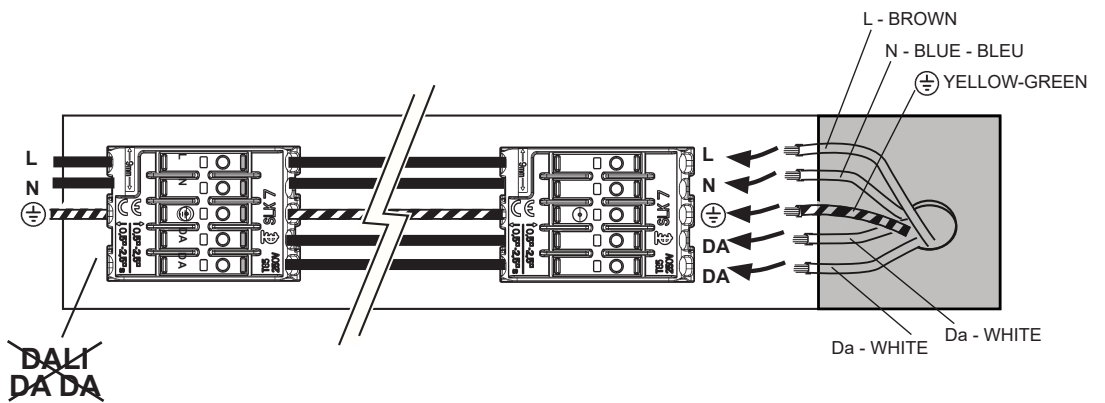
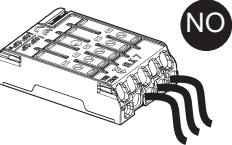
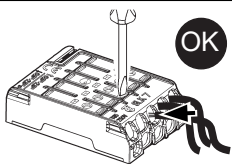
## SINGLE CEILING

ALIMENTAZIONE  
POWER SUPPLY  
ALIMENTATION  
EINSPEISUNG  
STROOMVERZORGING  
ALIMENTACION  
STRØMFORSYNING  
STRØMFORSYNING  
ELFORSØRJNING  
ЭЛЕКТРОПИТАНИЕ  
电源



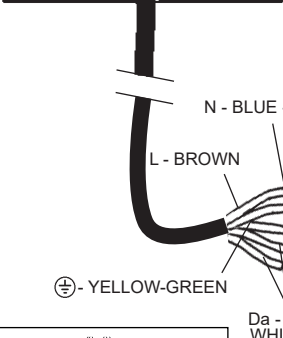
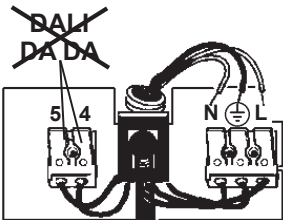
LIGHT SHED 14

ART. X667

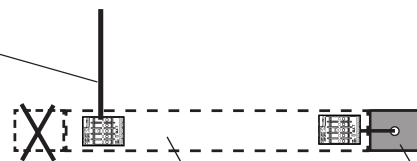


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## SINGLE PENDANT

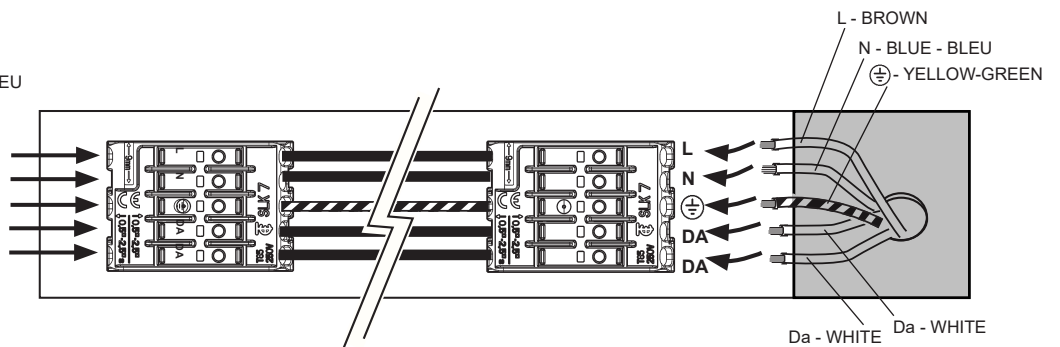


ALIMENTAZIONE  
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电源



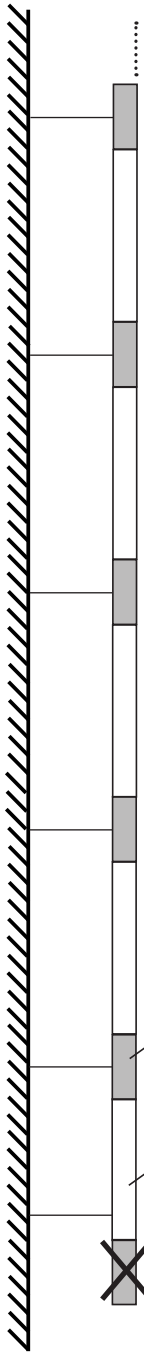
LIGHT SHED 14

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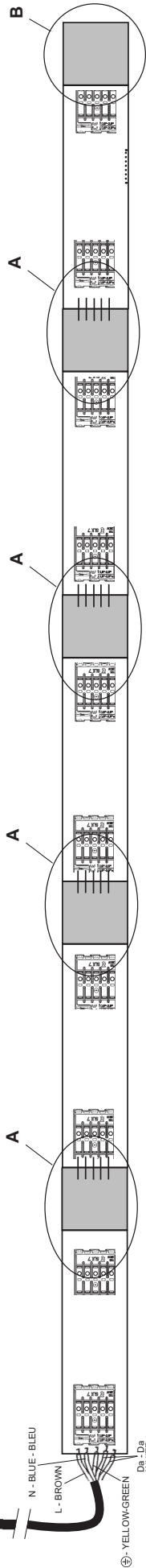
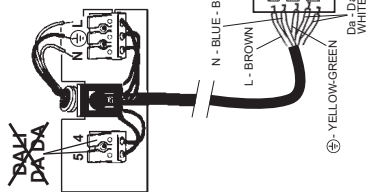


Da - WHITE Da - WHITE

PENDANT CONTINUOUS LINE



LIGHT SHED 14 ART. X667



A

B

