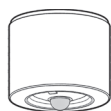
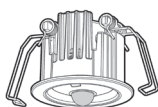


## MULTISENSOR BLUETOOTH



art. PA62



art. PA88

### IT ATTENZIONE:

LA SICUREZZA DELL'APPARECCHIO E' GARANTITA SOLO CON L'USO APPROPRIATO DELLE SEGUENTI ISTRUZIONI; PERTANTO E' NECESSARIO CONSERVARLE.

### EN WARNING:

THE SAFETY OF THIS FIXTURE IS GUARANTEED ONLY IF YOU COMPLY WITH THESE INSTRUCTIONS; REMEMBER TO CONSERVE IN A SAFE PLACE.

### FR ATTENTION:

LA SECURITE DE L'APPAREIL N'EST GARANTIE QU'EN CAS D'UTILISATION CORRECTE DES INSTRUCTIONS SUIVANTES; IL FAUT PAR CONSÉQUENT LES CONSERVER.

### DE ACHTUNG:

DIE SICHERHEIT DES GERÄTES WIRD NUR DURCH SACHGEMÄSSE BEFOLGUNG NACHSTEHENDER ANWEISUNGEN GEWÄHRLEISTET; IHRE AUFBEWAHRUNG IST DESHALB SEHR WICHTIG.

### NL OPGELET:

DE VEILIGHEID VAN DI ATOESTEL IS SLECHTS DAN GEGARANDEERD ALS INDIEN DE VOLGENDE INSTRUCTIES STRIKT WORDEN TOEGEPAST: DAAROM MOET MEN ZE OOK BEWAREN.

### ES ATENCION:

LA SEGURIDAD DEL APARATO SE GARANTIZA SOLO CUMPLIENDO CUIDADOSAMENTE LAS SIGUIENTES INSTRUCCIONES; POR ELLO, ES NECESARIO CONSERVARLAS.

### DA BEMÆRK:

SIKKERHEDEN VED BRUG AF ARMATURET KAN KUN GARANTERES, HVIS DISSE ANVISNINGER FØLGES; SØRG DERFOR FOR AT GEMME DEM.

### NO ADVARSEL:

SIKKERHETEN TIL DETTE APPARATET GARANTERES KUN HVIS DU OVERHOLDER DISSE INSTRUKSJONENE; HUSK Å OPPBEVARE DEM PÅ ET TRYGT STED.

### SV OBSERVERA!

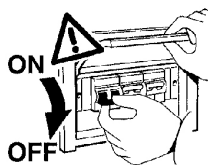
UTRUSTNINGENS SÄKERHET KAN ENDAST GARANTERAS OM DESSA ANVISNINGAR RESPEKTERAS I DETALJ. SPARA DÄRFÖR DESSA ANVISNINGAR FÖR FRAMTIDA KONSULTATION.

### RU ВНИМАНИЕ:

МЫ ГАРАНТИРУЕМ БЕЗОПАСНУЮ ЭКСПЛУАТАЦИЮ ИЗДЕЛИЯ ТОЛЬКО ПРИ СОБЛЮДЕНИИ СЛЕДУЮЩИХ ИНСТРУКЦИЙ; С ЭТОЙ ЦЕЛЬЮ НЕОБХОДИМО СОХРАНИТЬ ДАННУЮ БРОШЮРУ.

### ZH 警告

为确保该装置安全，请遵守操作指示；并于安全场所放置。



IT N.B.: DURANTE L'INSTALLAZIONE DEL SISTEMA RISPETTARE SCRUPolosAMENTE LE NORME IMPIANTISTICHE VIGENTI.

EN N.B.: WHEN INSTALLING THE SYSTEM, STRICTLY COMPLY WITH ALL REGULATIONS ON INSTALLATION IN FORCE.

FR N.B.: LORS DE L'INSTALLATION DU SYSTÈME VEUILLEZ RESPECTER RIGOREUSEMENT LES NORMES EN VIGUEUR EN LA MATIÈRE.

DE NB: BEACHTEN SIE BEI DER INSTALLATION DES SYSTEMS GEWISSENHAFT DIE GÜLTIGEN BESTIMMUNGEN BEZÜGLICH DER ANLAGENTECHNIK.

NL N.B.: BIJ HET INSTALLEREN VAN HET SYSTEEM MOET U DE GELDEN DE INSTALLATIENORMEN STRIKT NALEVEN.

ES N.B.: DURANTE LA INSTALACIÓN DEL SISTEMA RESPETAR E SCRUPulosAMENTE LAS NORMAS DE INSTALACIÓN VIGENTES.

DA N.B.: UNDER INSTALLATION AF SYSTEMET SKAL MAN NØJE OVERHOLDE DE GÆLDENDE REGLER FOR DISSE ANLÆG.

NO N.B.: VED INSTALLASJON AV SYSTEMET SKAL ALLE FORSKRIFTER OM INSTALLASJON SOM GJELDER FØLGES STRENGT.

SV OBS! UNDER INSTALLATIONEN AV SYSTEMET SKA INSTALLATIONSFÖRESKRIFTERNA RESPEKTERAS I DETALJ.

RU ПРИМЕЧАНИЕ: В ПРОЦЕССЕ МОНТАЖА СИСТЕМЫ СТРОГО СОБЛЮДАЙТЕ НАЦИОНАЛЬНЫЕ ДЕЙСТВУЮЩИЕ НОРМАТИВЫ ПО ЭЛЕКТРОПРОВОДКЕ.

ZH 注意：在安装系统时请遵守设备的安装规定。

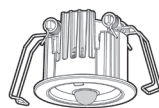
### CEILING APPLICATION



art. PA62



### RECESSED APPLICATION



art. PA88



art. PA62



art. PA62  
[www.iguzzini.com/PA62](http://www.iguzzini.com/PA62)



art. PA88



art. PA88  
[www.iguzzini.com/PA88](http://www.iguzzini.com/PA88)

IT Scansionare il codice QR o visitare [www.iguzzini.com](http://www.iguzzini.com) per ulteriore documentazione tecnica.

EN Scan the QR Code or visit [www.iguzzini.com](http://www.iguzzini.com) for more technical documentation.

FR Numériser le code QR ou consulter [www.iguzzini.com](http://www.iguzzini.com) pour davantage de documentation technique.

DE QR-Code scannen oder [www.iguzzini.com](http://www.iguzzini.com) für weitere technische Unterlagen aufrufen.

NL Escanear el código QR o visitar la página [www.iguzzini.com](http://www.iguzzini.com) para obtener más documentación técnica.

ES Scan de QR-code of bezoek [www.iguzzini.com](http://www.iguzzini.com) voor meer technische documentatie.

DA Scan QR-koden eller gå til [www.iguzzini.com](http://www.iguzzini.com) for yderligere teknisk dokumentation.

NO Skann QR-koden eller besøk [www.iguzzini.com](http://www.iguzzini.com) for mer teknisk dokumentasjon.

SV Skanna QR-koden eller gå till [www.iguzzini.com](http://www.iguzzini.com) för ytterligare teknisk dokumentation.

RU Сканируйте QR-код или обратитесь к [www.iguzzini.com](http://www.iguzzini.com) за дополнительной технической документацией.

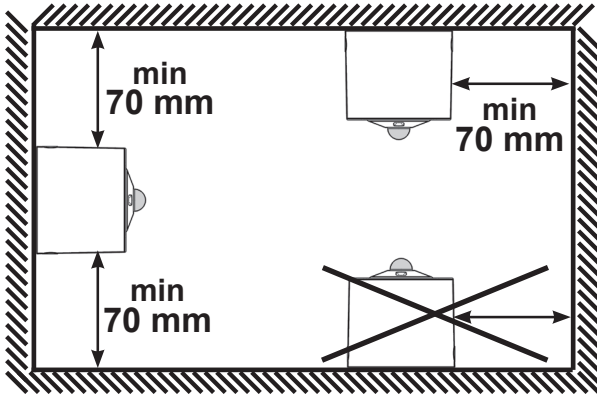
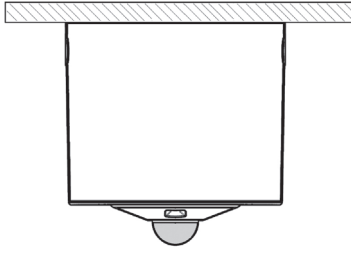
ZH 扫描二维码或浏览网站 [www.iguzzini.com](http://www.iguzzini.com) 获取更多的技术文档。

### ART. PA62 - PA88

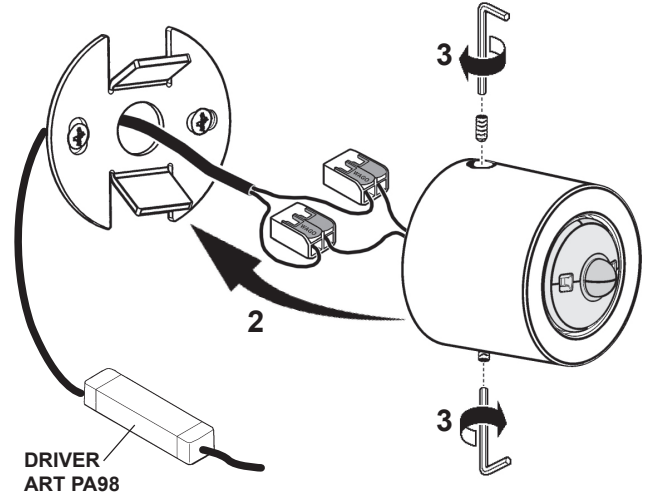
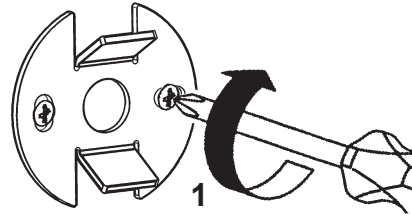
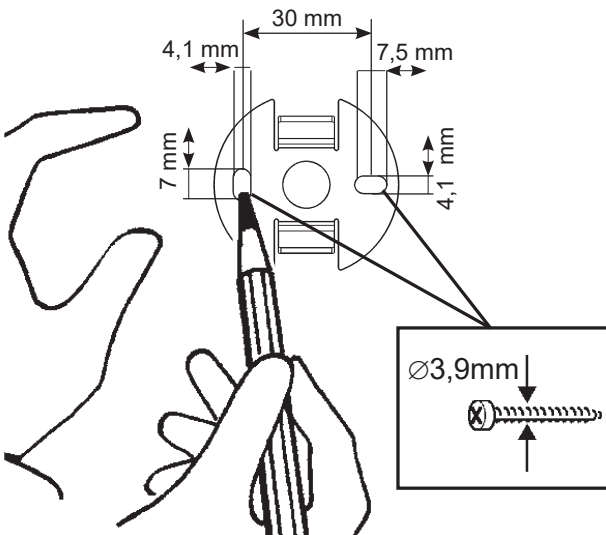
### Sensor Electrical Specifications

Input Voltage	Vin 12/24 Vdc(for models without powersupply)
Input Current	35mA @12VDC 25mA@24VDC

## ART. PA62

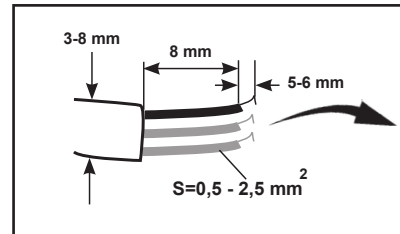
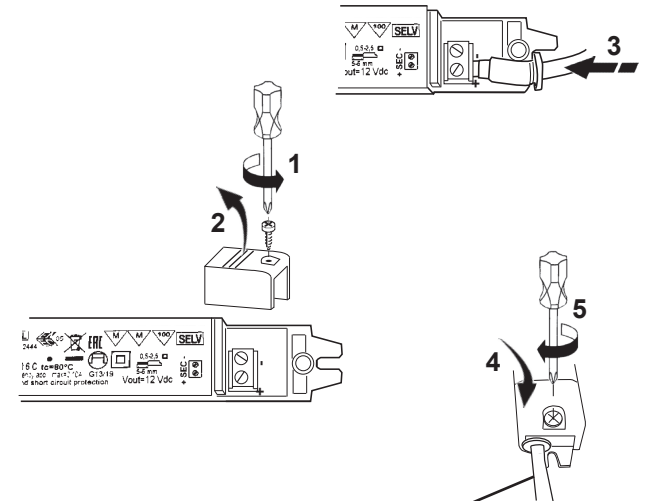


- IT** Accertarsi che l'area sulla quale poggierà la cornice non presenti sporgenze.
- EN** Make sure area onto which the frame will rest is free of any projections.
- FR** Contrôlez que la zone sur laquelle reposera le cadre ne présente pas d'aspérités.
- DE** Vergewissern Sie sich, dass der Bereich, also die Stelle, wo der Rahmen aufgelegt wird, keine Unebenheiten aufweist.
- NL** Let op dat de zone waarop de lijst zal rusten geen uitsteeksels vertoont.
- ES** Asegurarse de que el área, sobre la que se apoyará el marco, no presente salientes.
- DA** Kontroller, at området, som kanten støtter mod, ikke rager ud nogen steder.
- NO** Se til at området der rammen skal hvile er fri for fremspring.
- SV** Försäkra dig om att det inte finns några utstickande delar på området där ramen vilar.
- RU** Проверьте, чтобы площадь, на которую опирается рамка, не имела выступов.
- ZH** 确保框架放置的区域无任何照射。



DRIVER  
ART PA98

PA98

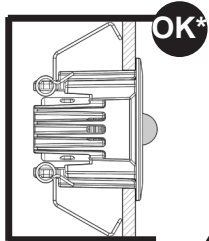
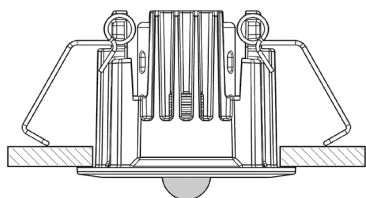


- IT** Per il collegamento elettrico fare riferimento alla marcatura dell'alimentatore.
- EN** Refer to the marking on the power unit for the electrical connection.
- FR** Pour le raccordement électrique se reporter au marquage du ballast.
- DE** Den Anschluss an das Stromnetz gemäß Kennzeichnung auf dem Vorschaltgerät ausführen.
- NL** Voor de elektrische aansluiting wordt verwezen naar de markering op de stroomvoorziening.
- ES** Para la conexión eléctrica hacer referencia a las informaciones marcadas en el alimentador.
- DA** For elektrisk tilslutning, se strømforsyningsmærkning.
- NO** For elektrisk tilkobling, se merking på strømforsyningsenheten.
- SV** För elanslutningen se till märkningen på nätdelen.
- RU** Для электрического подключения смотреть маркировку на блоке питания.
- ZH** 连接电线时请参照供电装置上的标记。

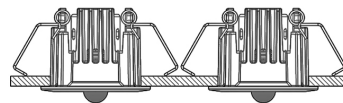
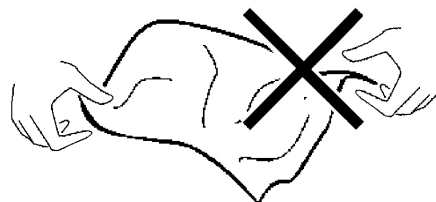
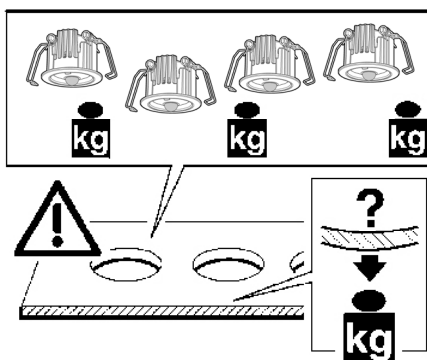
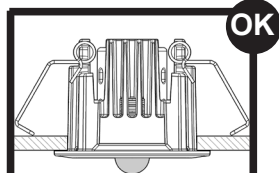
- IT** La conformità alla norma è garantita soltanto utilizzando gruppi driver iGuzzini (art.: PA98). Nel caso di utilizzo di driver diversi, per tutte le informazioni tecniche aggiuntive, contattare la iGuzzini
- EN** Conformity with the standard is guaranteed only if iGuzzini driver assemblies (item code PA98) are used. When using other drivers, contact iGuzzini for any additional technical information
- FR** La conformité à la norme n'est assurée qu'en cas d'utilisation de blocs drivers iGuzzini (réf. : PA98). Si vous utilisez des drivers différents, pour toute information technique supplémentaire, veuillez contacter iGuzzini
- DE** Die Übereinstimmung mit der Vorschrift ist nur mit dem Einsatz von iGuzzini-Drivergruppen (Art.: PA98) gewährleistet. Werden andere Treiber verwendet, ist für sämtliche zusätzlichen technischen Informationen iGuzzini zu Rate zu ziehen.
- NL** De conformiteit aan de norm wordt alleen gegarandeerd als u iGuzzini driver groepen gebruikt (art.: PA98). En caso de utilización de drivers diferentes, para conocer la información técnica adicional ponerse en contacto con iGuzzini
- ES** La conformidad a la norma se garantiza solamente con el uso de grupos driver iGuzzini (art.: PA98). Voor het gebruik van andere drivers dient u contact op te nemen met iGuzzini voor alle verdere technische informatie
- DA** Opfyldelse af reglerne garanteres kun ved brug af driverenheder fra iGuzzini (art.: PA98). Hvis du anvender forskellige drivere, bedes du kontakte iGuzzini for alle de øvrige tekniske informationer
- NO** Samsvar med forskriften garanteres bare ved bruk av drivergrupper fra iGuzzini (art.: PA98). Ved bruk av forskjellige drivere, ta kontakt med iGuzzini for all ekstra teknisk informasjon
- SV** Överensstämmelse med standard garanteras endast genom att använda driverheter av typ iGuzzini (art.: PA98). Vid användning av andra driverheter ber vi att ni kontaktar iGuzzini för vidare teknisk information
- RU** Соответствие нормативу гарантируется только при использовании групп драйверов iGuzzini (арт.: PA98). Для получения необходимой технической информации при использовании других драйверов свяжитесь с компанией iGuzzini.
- ZH** 只有使用了IGUZZINI的驱动器系列 (PA98产品), 产品的合格性才能被保证 如果使用其他驱动器, 请联系iGuzzini公司了解所有其他技术信息。

- IT** Cablare alla rete elettrica l'alimentatore solo dopo aver effettuato il collegamento ai prodotti
- EN** Wire the ballast to the power supply network only once it has been connected to the products
- FR** N'effectuer le câblage du ballast au réseau électrique qu'après avoir effectué le raccordement aux produits
- DE** Schließen Sie das Vorschaltgerät erst nach der Verdrahtung an den Produkten am Stromnetz an.
- NL** Cabelar el alimentador a la red eléctrica sólo después de realizar la conexión de los productos.
- ES** Verbind het voorschakelapparaat alleen aan op het elektriciteitsnet nadat u alle producten heeft aangesloten.
- DA** Tilslut først strømforsyningsenheden til strømforsyningsnettet, efter at have foretaget tilslutningen til produkterne.
- NO** Kable transformatoren til el-nettet bare etter at produktene er tilkoblet
- SV** Anslut strömförsörjningsanordningen till elnätet först efter att anslutningen till produkterna har utförts.
- RU** Подсоединить к электросети блок питания только после подсоединения к приборам.
- ZH** 仅在镇流器连接到产品的时候才将其连接到电源网络

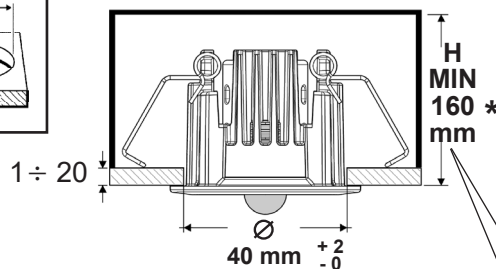
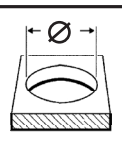
## ART. PA88



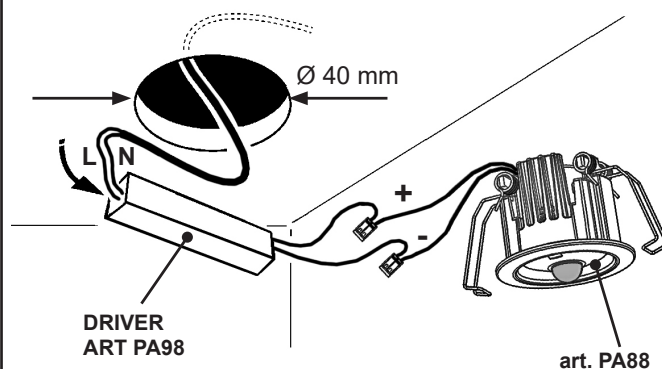
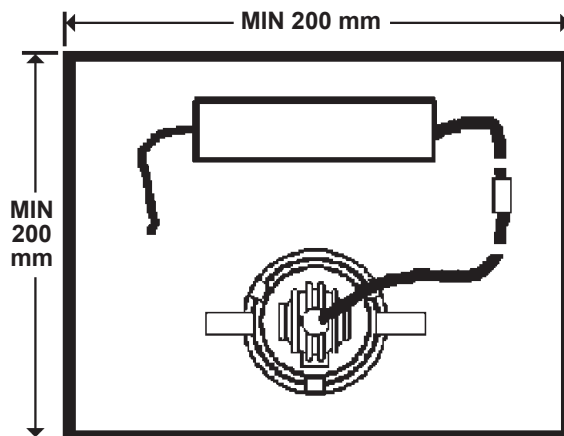
\* remote power supply

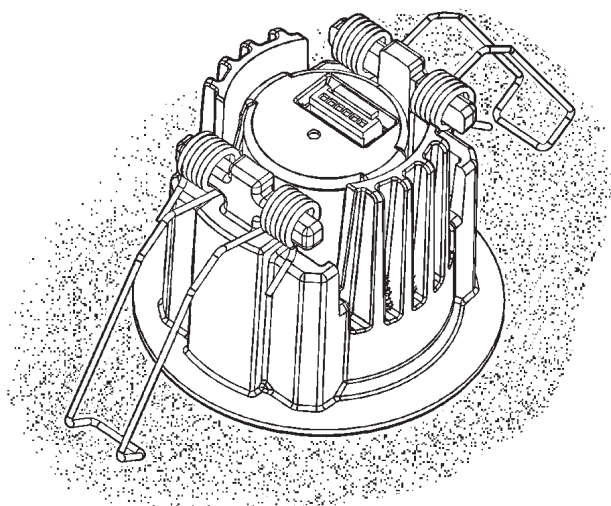
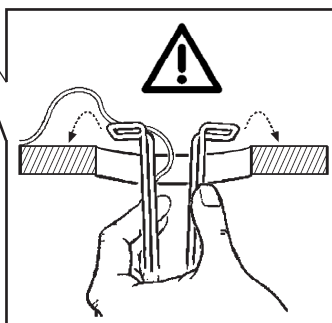
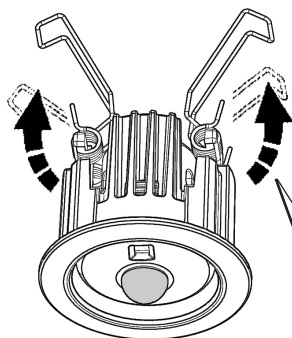
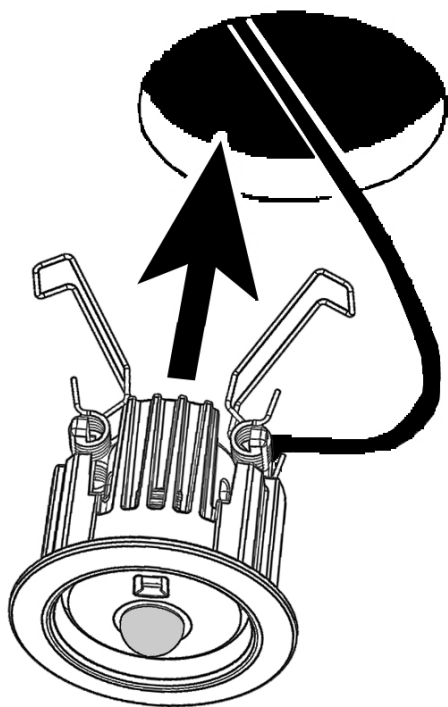


- IT** N.B.: Apparecchi non idonei ad essere coperti di materiale termicamente isolante
- EN** N.B.: Fixtures not suitable to be covered in thermally-insulating material.
- FR** N.B.: Appareils ne pouvant pas être couverts de matériau d'isolation thermique
- DE** N.B.: Geräte nicht geeignet, um mit wärmeisolierendem Material abgedeckt zu werden
- NL** N.B.: Deze apparaten zijn niet geschikt om te worden bedekt met thermisch isolerend materiaal
- ES** NOTA: Aparatos no aptos para ser cubiertos de material térmicamente aislante
- DA** N.B.: Armaturerne må ikke dækkes af varmeisolerende materiale.
- NO** N.B.: Apparatene passer ikke til å dækkes av termoisolerende materialer.
- SV** OBS! Utrustningen får inte täckas över med värmeisolerande material
- RU** Внимание: Приборы непригодны для покрытия термоизоляционным материалом.
- ZH** 灯具不适宜用隔热材料加以覆盖。



\* H MIN 100 mm  
with remote power supply





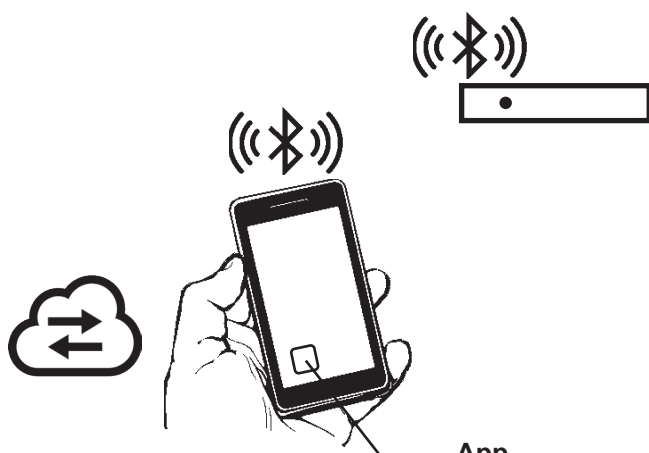
## MULTISENSOR BLUETOOTH



App  
"iGuzzini Smart Light 2"



<https://qrco.de/bdf6nh>



App  
"iGuzzini Smart Light 2"



<https://qrco.de/bdDY75>



Video tutorial



O.T.A. UPDATE  
(Over the Air)

### Integrated Beacon for Smart Services

Protocols: iBeacon, Eddystone, AltBeacon



<https://www.iguzzini.com/smart-services/>

IT Scansionare il codice QR o visitare [www.iguzzini.com](http://www.iguzzini.com) per ulteriore documentazione tecnica.

EN Scan the QR Code or visit [www.iguzzini.com](http://www.iguzzini.com) for more technical documentation.

FR Numériser le code QR ou consulter [www.iguzzini.com](http://www.iguzzini.com) pour davantage de documentation technique.

DE QR-Code scannen oder [www.iguzzini.com](http://www.iguzzini.com) für weitere technische Unterlagen aufrufen.

NL Escanear el código QR o visitar la página [www.iguzzini.com](http://www.iguzzini.com) para obtener más documentación técnica.

ES Scan de QR-code of bezoek [www.iguzzini.com](http://www.iguzzini.com) voor meer technische documentatie.

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SV Skanna QR-koden eller gå till [www.iguzzini.com](http://www.iguzzini.com) för ytterligare teknisk dokumentation.

RU Сканируйте QR-код или обратитесь к [www.iguzzini.com](http://www.iguzzini.com) за дополнительной технической документацией.

ZH 扫描二维码或浏览网站 [www.iguzzini.com](http://www.iguzzini.com) 获取更多的技术文档。

### Bluetooth Low Energy

Frequency	2,4 GHz
Distance	45m (it varies depending on the installation enviroment)
TX Power	max 8 dBm
Beacon	Integrated

### Illuminance Specification

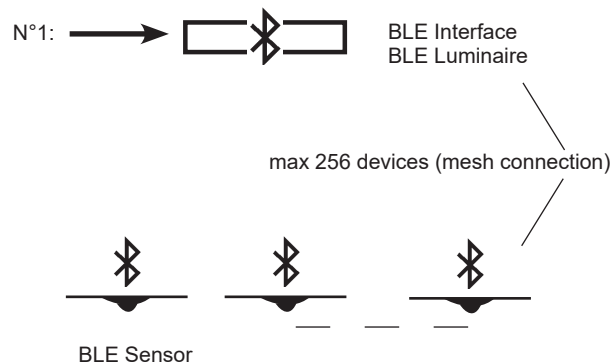
Range	0 - 2000 lux
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### Presence detection Specifications

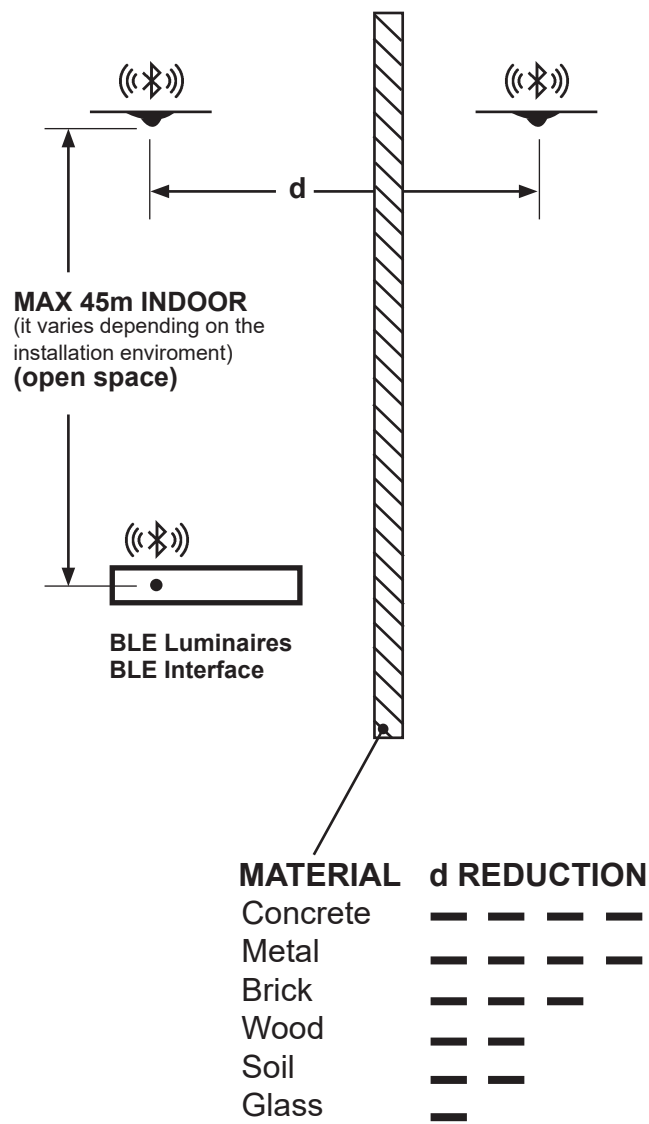
Mounting height	2.4 - 3 m
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### INTERFACE CONNECTIVITY:

EXAMPLE:



MESH OPERATION



**IT** La distanza massima dipende anche dalla disposizione nello spazio e dalla presenza di altri segnali wireless. Si raccomanda di verificare l'affidabilità della comunicazione nella posizione di installazione effettiva mediante un semplice mock-up.

**EN** The maximum distance is influenced also by the space layout and the presence of other wireless signals. It's recommended to test the reliability of the communication at the actual installation site with a simple mock-up.

**FR** La distance maximale dépend aussi de la disposition de l'espace et de la présence d'autres signaux sans fil. Il est recommandé de s'assurer de la fiabilité de la communication dans la position réelle d'installation avec un simple Cellule Témoin.

**DE** Die maximale Entfernung hängt auch von der Raumaufteilung und dem Vorhandensein anderer Wireless-Signale ab. Wir empfehlen, die Zuverlässigkeit der Übertragung am tatsächlichen Installationsort mithilfe eines einfachen Mock-up zu testen.

**NL** De maximumafstand hangt ook af van de ruimte en of andere draadloze signalen aanwezig zijn. Het wordt aanbevolen om de betrouwbaarheid van d communicatie op de daadwerkelijke installatieplek aan de hand van een eenvoudig mock-up.

**ES** La distancia máxima también depende de la distribución del espacio y de la presencia de otras señales inalámbricas. Se recomienda comprobar la fiabilidad de la comunicación en el punto de instalación real utilizando un simple mock-up.

**DA** Den maksimale afstand afhænger også af omgivelsernes indretning og af andre tilstedeværende trådløse signaler. Det er vigtigt at kontrollere forbindelsens pålidelighed på det reelle installationssted vha. en enkelt mock-up.

**NO** Maksimumavstanden påvirkes også av plasslayouten og forekomsten av andre trådløse signaler. Vi anbefaler at du tester påliteligheten til kommunikasjonen på det aktuelle installasjonsstedet med en enkel mock-up.

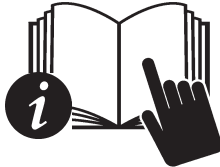
**SV** Det maximala avståndet beror också på utrymmets layout och på om det förekommer andra trådlösa signaler. Vi rekommenderar att man testat kommunikationens tillförlitlighet på den faktiska installationsplatsen med hjälp av en enkel mock-up.

**RU** Максимальное расстояние зависит также от расположения помещения и наличия других беспроводных сигналов. Рекомендуется проверять надежность связи в месте установки при помощи простой Мокап.

**ZH** 最大距离还受到空间布局和其他无线信号的影响。因此我们建议在实际安装现场先用简单的模型测试通信的可靠性。

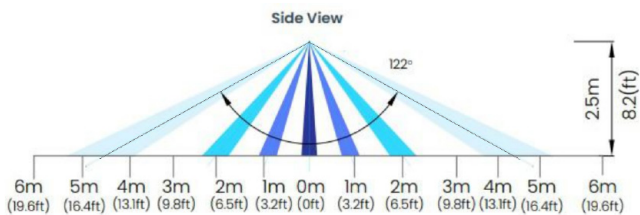
App settings:

MOTION SENSOR, DAYLIGHT SENSOR  
→ MANUAL



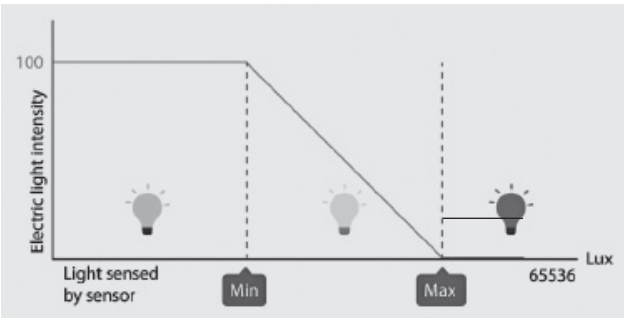
<https://qrco.de/bdDtjG>

PIR Sensor Characteristics  
Presence detection coverage



Daylight Sensor Installation Guide

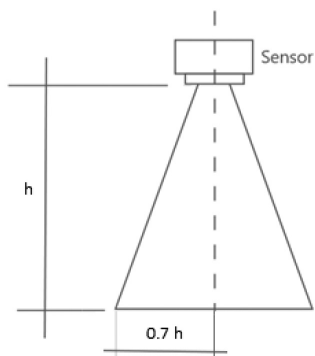
The daylight sensor may be deployed in either open loop or closed loop mode. The default mode is open loop where the lights vary to compensate for the daylight used in use-cases where the area is exposed to daylight. The light responds to light sensor in open loop mode as follows:



The lights may also be configured in closed loop (maintain ambient light) mode in use-cases where a constant ambient light is to be maintained in an area or surface.

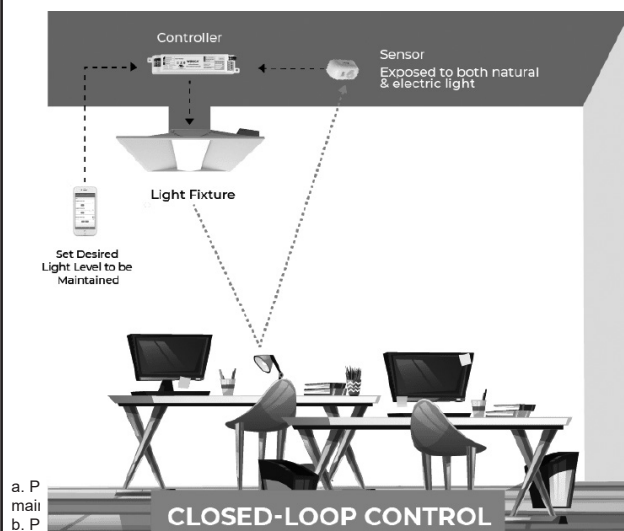
The installation details for each scenario is detailed below. In either case the following should be taken care:

## DAYLIGHT DETECTION AREA



- The sensor must have unobstructed view of the area to be monitored.
- The sensor placed at a height  $h$  from the floor, will have sensitivity radially around  $0.7h$
- It is advisable to use a separate lux meter to measure light levels at potential locations before choosing the finalizing the sensor placement position.

## Closed Loop



- Position the daylight sensor such that it can measure only the incoming daylight by orienting towards a window or skylight and not the illuminated area that is to be controlled. For best results, the sensor should receive as little electric light as possible.
- By default, the lights will respond with an inverse dimming curve corresponding to the operating range of the daylight sensor (lights will turn off at 100% ambient light and turn on at maximum brightness at 0% ambient light where the percentage of ambient light is calculated based on configured min and max operating range of ambient light sensor)
- All the lights to be configured to the ambient level to be maintained at the percentage shown in sensor data log of the sensor at the desired ambient level.

### Sensor Calibration

- Collect the daylight sensor readings for 24 hours after commissioning the sensor with the support of a gateway.
- From the sensor readings collected for the past 24 hours, note down the minimum and maximum values
- Go to the Settings page of the sensor and choose the Ambient Light Configuration option
- In the Set New Min Ambient Light field, enter the minimum sensor reading measured. Alternatively, this can be configured at the time when sunlight is lowest in the environment (late evening or early morning).
- In the Set New Max Ambient Light field, enter the maximum sensor reading measured. Alternatively, this can be configured at the time when sunlight is maximum in the environment (at noon).
- The set min and max values define the operating range of the daylight sensor.

**IT** Il fabbricante/importatore, iGuzzini Illuminazione, dichiara che i prodotti BLE sono conformi alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: <http://www.iguzzini.com>.

**EN** The manufacturer/importer, iGuzzini Illuminazione, hereby declares that its BLE products comply with EU regulation 2014/53/UE. The complete EU Declaration of Conformity is available at the following internet address: <http://www.iguzzini.com>.

**FR** Le fabricant/l'importateur, iGuzzini Illuminazione, déclare que les produits BLE sont conformes à la directive 2014/53/UE. Le texte intégral de la déclaration de conformité UE est disponible à l'adresse Internet <http://www.iguzzini.com>.

**DE** Der Hersteller/Importeur iGuzzini Illuminazione erklärt, dass die Produkte BLE der Richtlinie 2014/53/EU entsprechen. Der vollständige Wortlaut der EU-Konformitätserklärung kann unter <http://www.iguzzini.com> eingesehen werden.

**NL** De fabrikant/importeur iGuzzini Illuminazione verklaart dat de producten BLE overeenstemmen met de richtlijn 2014/53/EU. De volledige tekst van de EU-verklaring van overeenstemming is verkrijgbaar op het volgende internetadres: <http://www.iguzzini.com>

**ES** El fabricante/importador, iGuzzini Illuminazione, declara que los productos BLE son conformes con la directiva 2014/53/UE. El texto completo de la declaración de conformidad UE se puede consultar en la siguiente dirección de Internet: <http://www.iguzzini.com>.

**DA** Fabrikanten/importøren, iGuzzini Illuminazione (iGuzzini Belysning) erklærer, at BLE-produkterne stemmer overens med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst står til rådighed på den følgende Internetadresse: <http://www.iguzzini.com>

**NO** Produsenten/importøren, iGuzzini Illuminazione, erklærer at produktene BLE er i samsvar med direktivet 2014/53/EU. Den fullstendige teksten til samsvarserklæringen er tilgjengelig på følgende internetadresse: <http://www.iguzzini.com>

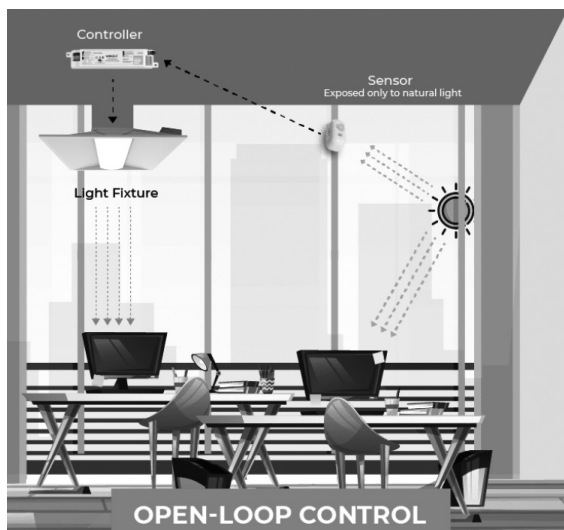
**SV** Tillverkaren/importören, iGuzzini Illuminazione, försäkrar att nedanstående BLE-produkter är överensstämmande med direktiv 2014/53/EU. Den fullständiga texten i EU-försäkran om överensstämmelse finns tillgänglig på följande Internetadress: <http://www.iguzzini.com>

**RU** Изготовитель/импортер iGuzzini Illuminazione заявляет, что изделия BLE отвечают требованиям директивы 2014/53/UE. С полным текстом Декларации соответствия ЕС можно ознакомиться по следующему адресу в Интернете: <http://www.iguzzini.com>

**ZH** 制造商/进口商 iGuzzini Illuminazione 照明公司声明产品 BLE 符合指令 2014/53/UE 的要求。欧盟符合性声明的完整内容可到以下网址查阅: <http://www.iguzzini.com>

## Sensor Installation

### Open Loop



- Position the daylight sensor such that it can measure only the incoming daylight by orienting towards a window or skylight and not the illuminated area that is to be controlled. For best results, the sensor should receive as little electric light as possible.
- By default, the lights will respond with an inverse dimming curve corresponding to the operating range of the daylight sensor (lights will turn off at 100% ambient light and turn on at maximum brightness at 0% ambient light where the percentage of ambient light is calculated based on configured min and max operating range of ambient light sensor)