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signify Interact Pro Cost Efficient and Wireless Smart Lighting Solution Instruction Manual
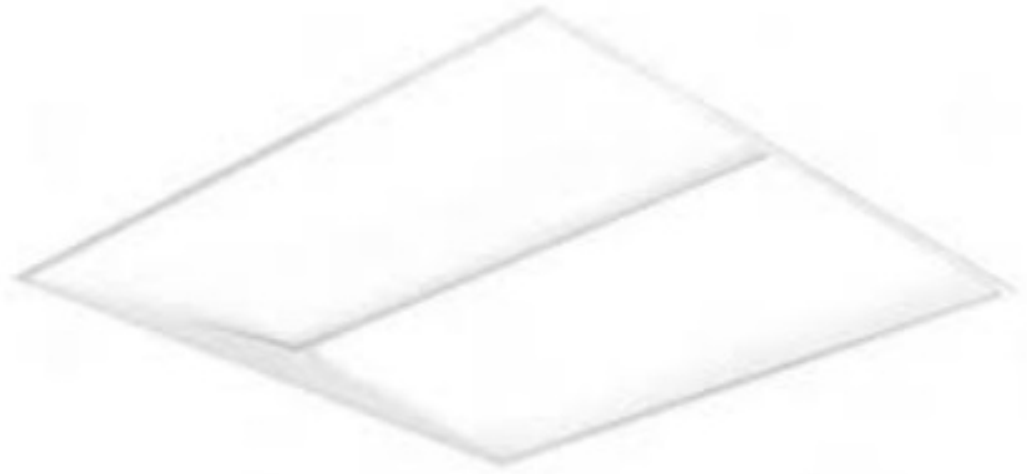
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signify Interact Pro Cost Efficient and Wireless Smart Lighting Solution

Product Information

The product is a lighting system designed specifically for classrooms. It is aimed at improving classroom comfort, stimulating and engaging pupils, and saving energy. The system offers enough and uniform light at the working plane for every desk, avoiding glare. It also enables extra energy savings with smart luminaires and sensors, and ensures simple replacement of current lighting without new cabling.

Key Requirements:

1. Offer enough and uniform light level at the working plane for every desk, avoiding glare.
2. Enable extra energy savings with smart luminaires and sensors.
3. Ensure simple replacement of current lighting, enabling control functionalities without new cabling.

Design Tips:

- Make sure the average illuminance is Em500 lux over the desks.
- Check if most of the tables have a similar illuminance, and the surroundings of the desks are not below 300 lux.
- Use UGR 19 luminaires to avoid glare.
- Add daylight sensors over the desks that are close to windows in order to enable energy savings. Over the rest of the desks, a simple presence detector will do the job. We recommend 1 sensor every 4 – 6 luminaires.

Required Features for Luminaires:

- Unified Glare Rate URG 19
- Color Rendering Ra80
- Dimmable luminaires (if combined with daylight/occupancy sensors) = PSD (DALI Driver)
- Smart lighting with Interact Pro (if combined with Interact Ready luminaires and smart sensors) = WIA (Wireless Interact Driver)

Product Usage Instructions

1. Get a first impression of the classroom and understand the challenges related to lighting.

2. Take note of the key requirements mentioned above.
3. Consider the design tips provided, such as ensuring sufficient illuminance over desks and avoiding glare.
4. Check the current installation, including the age of the lighting system and whether it meets lighting standards.
5. Understand the needs and preferences of your customers based on the different customer types mentioned.
6. Address the customers' concerns and highlight the benefits of the product, such as energy efficiency, high quality characteristics, proven technology, warranty, service, and brand image.

Get a first impression

Challenges

- Lighting is an important factor to improve classroom comfort and help stimulate and engage pupils
- The light must be tailored to the learning tasks, the time of day or the school schedule
- Energy-efficient lighting can help save valuable budget

Key requirements

1. Offer enough and uniform light level at the working plane for every desk, avoiding glare
2. Enable extra energy savings with smart luminaires and sensors
3. Ensure simple replacement of current lighting, enabling control functionalities without new cabling

Classroom info

When we talk about lighting in classrooms, we must remember that lighting accounts for 30% of the energy consumption of buildings! Also, classrooms are not necessarily occupied the whole day.
This means that light doesn't have to be permanently on at fixed times (e.g. 5 days a week from 9 to 5).

Design tips

1. Make sure the average illuminance is Em≥500 lux over the desks
2. Check if most of the tables have a similar illuminance, and the surroundings of the desks are not below 300 lux
3. Use UGR ≤19 luminaires to avoid glare
4. Add daylight sensors over the desks that are close to windows in order to enable energy savings. Over the rest of the desks, a simple presence detector will do the job. We recommend 1 sensor every 4 – 6 luminaires.

Make sure that your luminaires include these features:

Unified Glare Rate
URG ≤19
Color Rendering
Ra≥80
Dimmable luminaires
(if combined with daylight/occupancy sensors) = PSD (DALI Driver)

Smart lighting with Interact Pro
(if combined with Interact Ready luminaires and smart sensors) = WIA (Wireless Interact Driver)

Check current installation

- How old is the current lighting installation?
- Was it recently (or ever) checked to meet lighting standards?
- Is this classroom occupied the entire day?
- Or is it just used at certain times of the day?

Picture your customers

Are they reluctant to invest and focused on price and payback?
How to address them:
Focus on energy efficacy. LED luminaires are much more efficient than any other source of light.

sensitive to the advantages of better lighting?
They understand that good lighting can support a feeling of wellbeing in the office.
How to address them:
Highlight the high quality characteristics of the LED luminaires (non-glare, high CRI, etc.) as well as the fact that suggested lighting plans have been created by experts in lighting application.

afraid of innovation, not sure what new technology is and whether it has longevity?
How to address them:
Explain that Philips LED lighting and controls are proven technology. Emphasize warranty, service and brand image.

hungry for new technology and novelties, driven towards sustainable solutions?
How to address them:
Emphasize that our smart lighting system Interact Pro helps minimize energy consumption, increases comfort due to personal control and automation, and contributes to reaching a company's sustainability goals. Explain that Philips Interact Ready luminaires work seamlessly in smart lighting systems such as Interact Pro

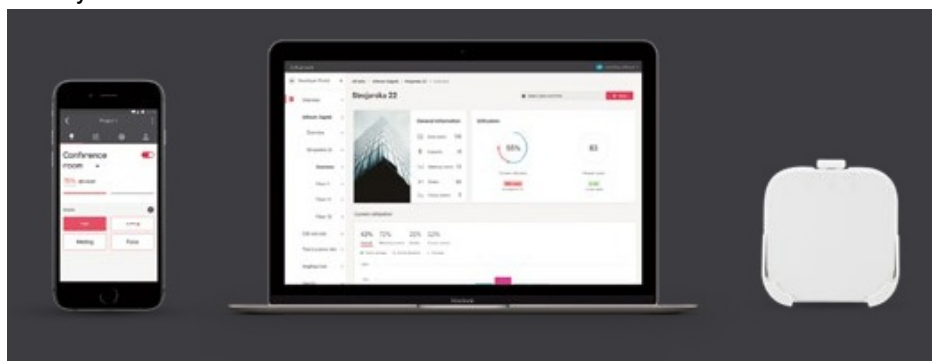## Get more info about our products & tools

Philips Ledinaire: for your everyday lighting jobs Count on honest, hardworking LED luminaires that deliver what they promise.

Philips CoreLine:
for every project where light really matter LED luminaires that keep installation time to a minimum, while saving a maximum of energy. Includes Interact Ready luminaires that work with Interact Pro.

Philips Interact Ready:
for new opportunities with connected lighting A wide range of luminaires, lamps, and accessories that work with the smart Interact Pro system.

Interact Pro is a cost-efficient and wireless smart lighting solution for every step of your customer's smart lighting journey. It consists of three tiers: from an easy step into smart lighting to full-fledged benefits of IoT. Each tier provides a best-in-class solution for your customer's need – with the possibility to simply upgrade to the next tier when business requirements change.

Tools

Total cost of ownership tool Use the TCO tool to find out how quickly your Philips LED lighting installation will pay off.

Product finder
Easily find the perfect Philips LED lamp or luminaire for every budget and application.

We aim to help you work faster, better, smoother. How? Check:

- **signify.com/installers**.

Documents / Resources

signify Interact Pro Cost Efficient and Wireless Smart Lighting Solution [pdf] Instruction Manual
Interact Pro, Interact Pro Cost Efficient and Wireless Smart Lighting Solution, Cost Efficient and Wireless Smart Lighting Solution, Wireless Smart Lighting Solution, Smart Lighting Solution, Lighting Solution

References

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- **Coreline 360 view | Philips lighting**
- **Interact Ready | Philips lighting**
- **Ledinaire - simply great LED | Philips lighting**
- **Product selector | Philips lighting**
- **Philips TCO tool for Installer | Philips lighting**

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