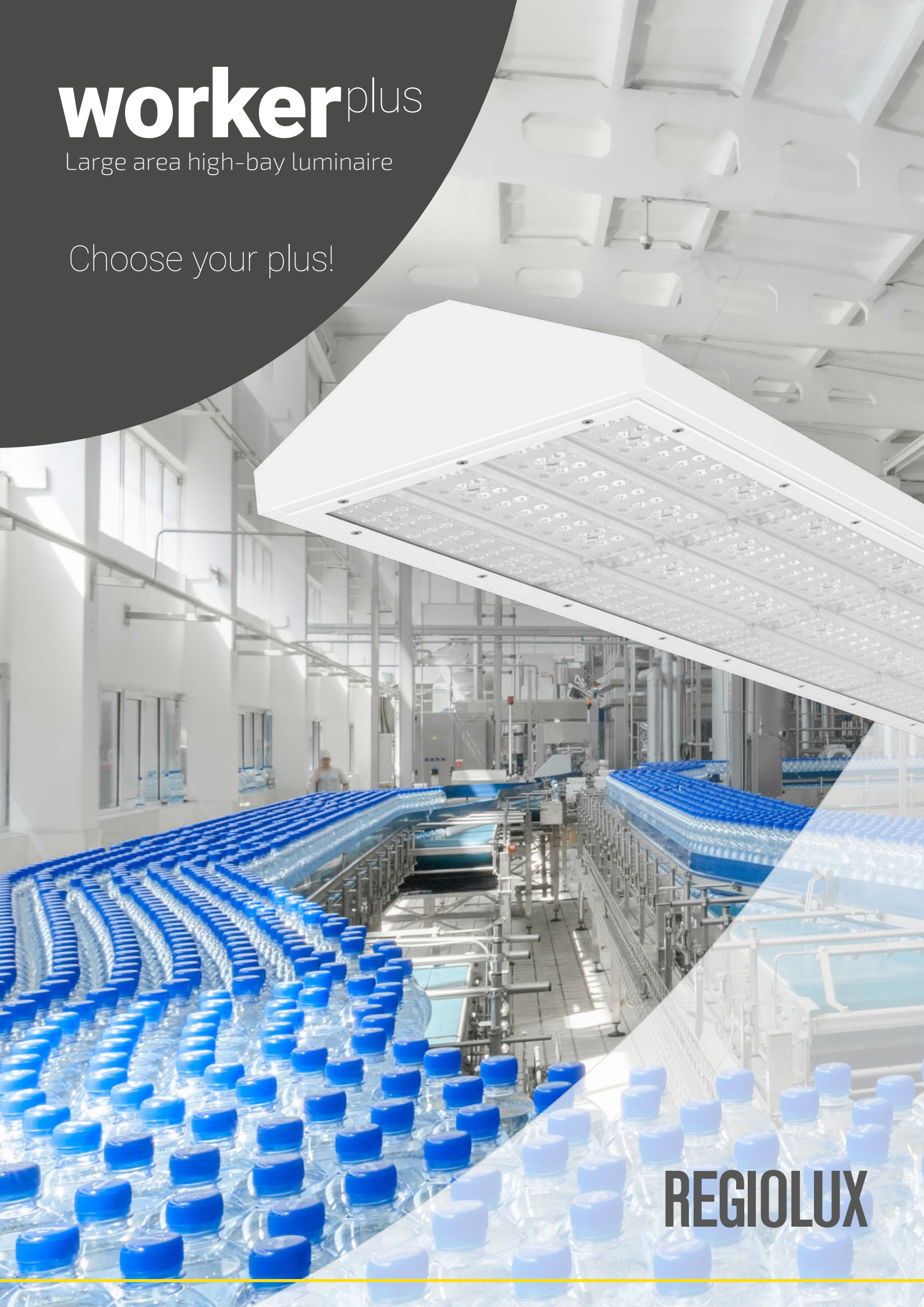


# worker<sup>plus</sup>

Large area high-bay luminaire

Choose your plus!



**REGIOLUX**



Food product-  
processing  
& packaging



Cosmetic and  
pharmaceuticals industry



Automotive industry



Logistics



Industry/production

worker<sup>plus</sup> is an exceptionally robust hall and surface luminaire for a wide range of applications. Thanks to a careful selection of technologies and components, we guarantee reliability and availability of the lighting systems under difficult ambient conditions and high thermal loads. Construction site packaging ensures a plus in sustainability.





# Planning examples



## Commercial/logistics

### Requirements

*Hall for order picking*

|                     |              |
|---------------------|--------------|
| Floor area          | 800 sqm      |
| Average illuminance | min. 300 lux |
| Uniformity          | min. 0.5     |
| UGR                 | <25          |

### Solution (basic type)

*25 pieces worker-plus*

*WOHSTB-PLUS/1000-265 16000 840 DALI IP65*

|                     |                          |
|---------------------|--------------------------|
| Light distribution  | narrow/wide distribution |
| Installation height | 8 m                      |
| Average illuminance | 370 lux                  |
| Uniformity          | 0.6                      |
| UGR                 | 19                       |
| Total power         | 2.55 kW                  |



## Food/pharma

### Requirements

*Hall for food production*

|                     |              |
|---------------------|--------------|
| Floor area          | 600 sqm      |
| Ambient temperature | +50 °C       |
| IFS-compliant       |              |
| Colour temperature  | 5000 K       |
| Average illuminance | min. 500 lux |
| Uniformity          | min. 0.6     |
| UGR                 | < 22         |

### Solution (BTO – Build-to-Order) **BTO** Build to Order

*42 pieces worker-plus*

*WOHSTB-PLUSSR/1000-170 10000 850 DALI IP65*

|                     |                          |
|---------------------|--------------------------|
| Light distribution  | narrow/wide distribution |
| Installation height | 4.5 m                    |
| Average illuminance | 530 lux                  |
| Uniformity          | 0.7                      |
| UGR                 | 19                       |
| Total power         | 2.7 kW                   |



# worker<sup>plus</sup>

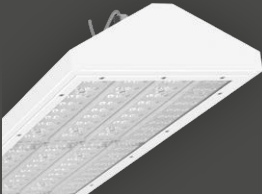
## Highlights

- + Robust hall and area luminaire in IP65
- + Efficient and highly glare-reduced lighting technology
- + Light characteristic with narrow/wide distribution
- + Performance levels of 6,000 to 34,000 lm
- + Suitable for ambient temperatures of -20 °C to +55 °C

  
Made in Germany

# Planning freedom with the **worker**-series

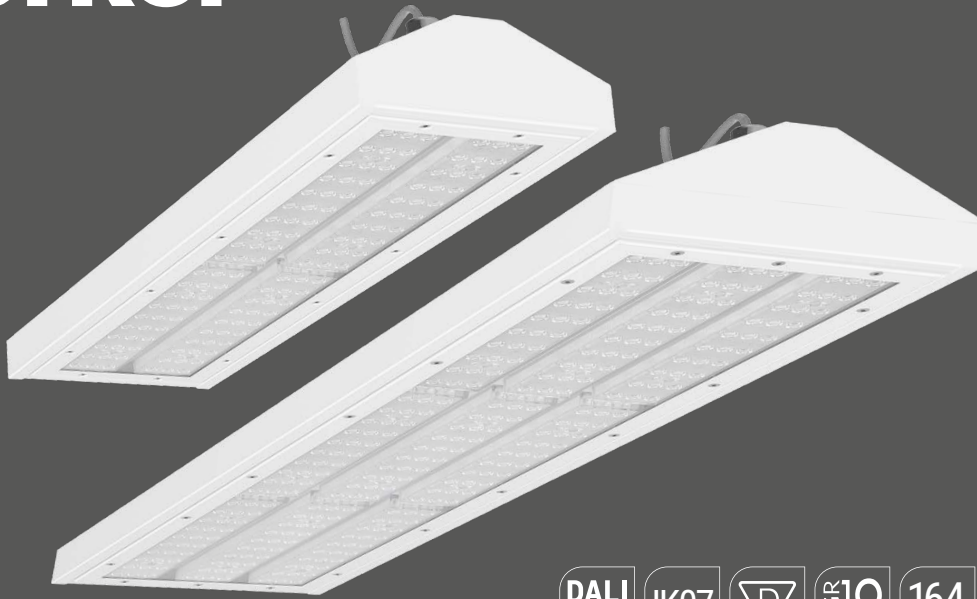


|                                          | <b>worker<sup>plus</sup> IP65</b> <b>NEW!</b><br>Modular principle                                                                                                                                                  | <b>worker IP65</b>                                                                                 | <b>worker IP54</b>                                                                                                                                                                             |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          |                                                                                                                                    |                  |                                                                                                             |
| <b>Luminous fluxes</b>                   | 6000-34000 lm                                                                                                                                                                                                       | 14200-28400 lm                                                                                     | 14600-29200 lm                                                                                                                                                                                 |
| <b>Efficiencies</b>                      | 164-157 lm/W                                                                                                                                                                                                        | 145 lm/W                                                                                           | 149 lm/W                                                                                                                                                                                       |
| <b>Light colours</b>                     | 4000K 5000K <sup>BTO</sup> 6500K <sup>BTO</sup>                                                                                                                                                                     | 4000K                                                                                              | 4000K                                                                                                                                                                                          |
| <b>Colour rendering</b>                  | ≥80 CRI ≥90 <sup>BTO</sup> CRI                                                                                                                                                                                      | ≥80 CRI                                                                                            | ≥80 CRI                                                                                                                                                                                        |
| <b>Light distributions (single lens)</b> |  narrow/<br>wide  6 further LDCs <sup>BTO</sup> |  narrow/<br>wide |  narrow/<br>wide  wide |
| <b>UGR</b>                               | UGR19 UGR22                                                                                                                                                                                                         | UGR19                                                                                              | UGR19                                                                                                                                                                                          |
| <b>Test mark features</b>                |                                                                                                                                  |                 |                      |
| <b>Service life</b>                      | L80 B50 100.000h L80 B10 85.000h                                                                                                                                                                                    | L80 B10 50.000h                                                                                    | L80 B10 50.000h                                                                                                                                                                                |
| <b>Ambient temperature</b>               | -20°C to +55 °C <b>BTO</b>                                                                                                                                                                                          | -20°C to +45 °C                                                                                    | -20°C to +45 °C                                                                                                                                                                                |
| <b>Types of driver</b>                   | DALI 2                                                                                                                                                                                                              | ED, DALI 2                                                                                         | ED, DALI 2                                                                                                                                                                                     |
| <b>Protection ratings</b>                | IP65                                                                                                                                                                                                                | IP65                                                                                               | IP54                                                                                                                                                                                           |
| <b>IK class</b>                          | IK07 <sup>*</sup><br><sup>*</sup> at -20°C to 55°C                                                                                                                                                                  | IK03 <sup>*</sup><br><sup>*</sup> -20°C to 45°C                                                    | IK03 <sup>*</sup><br><sup>*</sup> -20°C to 45°C                                                                                                                                                |
| <b>Dimensions</b>                        | L 688/1013/1338 mm<br>W 196/268/340 mm<br>H 83/102/124 mm                                                                                                                                                           | L 688/1013/1338 mm<br>W 340 mm<br>H 59 mm                                                          | L 688/1013/1338 mm<br>W 340 mm<br>H 59 mm                                                                                                                                                      |
| <b>Types of installation</b>             |                                                                                                                                  |                |                                                                                                           |



# worker<sup>plus</sup>

Made in Germany



## worker<sup>plus</sup> Basic types

Basic types are the starting point of the modular system. Beyond that, your requirements profile determines additional features of the BTO project lighting.

| Basic types                      | Configuration | Ta [C]    | LxWxH            | lm/W | P <sub>Sys</sub> [W] | Order number  |  |
|----------------------------------|---------------|-----------|------------------|------|----------------------|---------------|---------------------------------------------------------------------------------------|
| worker-WOHSTB-PLUS/0700-170 IP65 | LED 6000 840  | -20°- 55° | 688 x 196 x 83   | 164  | 36                   | 3747 0146 630 | 4,6                                                                                   |
| worker-WOHSTB-PLUS/1000-170 IP65 | LED 10000 840 | -20°- 50° | 1013 x 196 x 83  | 162  | 63                   | 3747 0246 630 | 6,2                                                                                   |
| worker-WOHSTB-PLUS/1000-265 IP65 | LED 16000 840 | -20°- 50° | 1013 x 268 x 102 | 160  | 102                  | 3747 0266 630 | 8,0                                                                                   |
| worker-WOHSTB-PLUS/1000-340 IP65 | LED 24000 840 | -20°- 45° | 1013 x 340 x 124 | 158  | 154                  | 3747 0226 630 | 9,6                                                                                   |
| worker-WOHSTB-PLUS/1300-340 IP65 | LED 32000 840 | -20°- 50° | 1338 x 340 x 124 | 158  | 206                  | 3747 0326 630 | 12,5                                                                                  |

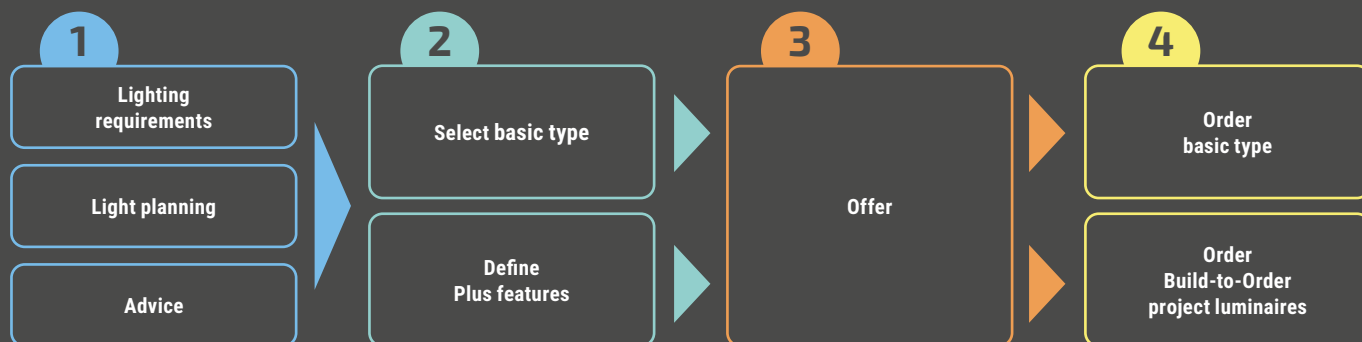
## Using light control efficiently

The *netlife* light control system can be used with the Easy, Flex and Pro performance levels for the luminaires. Our service is available to answer questions regarding the design, project planning and commissioning of light control systems.



# worker<sup>plus</sup> Defining the BTO project luminaire

Special applications require individual solutions. Our worker<sup>plus</sup> solves this challenge with selectable specifications. You specify, and we produce according to your requirements: that's what we mean by Build-to-Order\*.



\*BTO min. 4 pieces

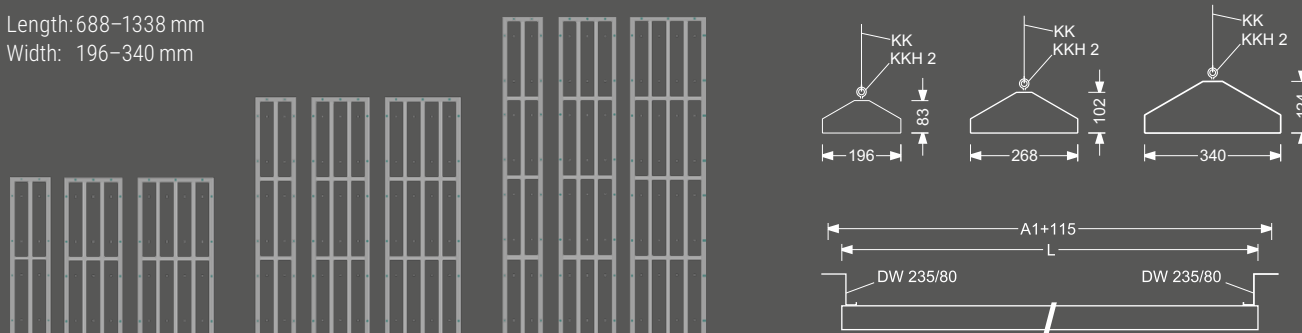
## Our tuning knobs of the Plus features:



## Selecting a assembly grid

In the worker<sup>plus</sup> family, the assembly grid with LED circuit boards can be selected. Depending on requirements, the worker<sup>plus</sup> can be configured in terms of size and performance requirements.

Length: 688–1338 mm  
Width: 196–340 mm





## The **worker**<sup>plus</sup> modular system

This is a great option if you want to adapt the lighting to your needs in your project.

Find out everything about the **worker**<sup>plus</sup> module here:

 Sales contact person

 [export@regiolux.de](mailto:export@regiolux.de)

 +49 9525 89-220

**PLUS**

### Image index

- 1 albertkarimov, 123rf.com
- 2 Boris Golz, Arnsberg DE; Matthias Frank Schmidt, Erfurt DE
- 3 Matthias Frank Schmidt, Erfurt DE; Roman Zaiets, shutterstock.com
- 4 Romana Dziedzic, Regiolux Polska
- 6 alexslb, shutterstock.com
- 8 Nuthawut, stock.adobe.com

 PDF



Regiolux @ Social Media



**REGIOLUX**

Regiolux GmbH  
Hellinger Straße 3  
D 97486 Königsberg  
T +49 9525 89 0  
[info@regiolux.de](mailto:info@regiolux.de)  
[www.regiolux.de](http://www.regiolux.de)