

**BUILDING PRODUCT DECLARATION BPD 3**  
in compliance with the guidelines of the Ecocycle Council, June 2007

**1. Basic data**

|   |   |  |
|---|---|--|
| <b>Product identification</b>   |   | Document ID  |
| Product name<br>Ceiling presence detector with 2 switching channel/ /12-24VDC                       | Product no/ID designation<br>PD-C 360i/24DC24Vplus (EP10425318)     | Product group<br>PIR sensor  |
| <input checked="" type="checkbox"/> New declaration<br><input type="checkbox"/> Revised declaration | <b>In the case of a revised declaration</b>                         |  |
|   | Has the product been changed?                                       | The change relates to:<br>Product specifications based on customer's request |
|   | <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes | Changed product can be identified by<br>The version of barcode label         |
| Drawn up/revised on (date)<br>Nov.13, 2009  |   | Inspected without revision on (date)   |
| Other information:  |   |  |

**2. Supplier information**

|  |  |                                  |  |
|--|--|----------------------------------|--|
| Company name ESYLUX GmbH                                   |  | Company reg. no/DUNS no          |  |
| Address<br>An der Strusbek 40<br>22926 Ahrensburg/ Germany |  | Contact person Wilko Trörlitzsch |  |
| Website www.esylux.com                                     |  | Telephone 0049(0)4102-481-0      |  |
| Does the company have an environmental management system?  |  | <input type="checkbox"/> Yes     | <input checked="" type="checkbox"/> No |
| The company possesses certification in compliance with     | <input checked="" type="checkbox"/> ISO 9000 <input type="checkbox"/> ISO14000 | <input type="checkbox"/> Other   | If "other", please specify:            |
| Other information:   |  |                                  |  |

**3. Product information**

|   |   |   |                                       |   |                             |
|---|---|---|---------------------------------------|---|-----------------------------|
| Country of final manufacture<br>Germany   |   | If country cannot be stated, please state why |                                       |   |                             |
| Area of use Europe and other countries subject to customer sales                  |   |   |                                       |   |                             |
| Is there a Safety Data Sheet for this product?                                    |   |   | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| In accordance with the regulations of the Swedish Chemicals Agency, please state: |   | Classification Labelling                      |                                       | <input type="checkbox"/> Not relevant   |                             |
| Is the product registered in BASTA?   |   |   |                                       | <input type="checkbox"/> Yes            | <input type="checkbox"/> No |
| Has the product been eco-labelled?  | <input type="checkbox"/> Criteria not found | <input checked="" type="checkbox"/> Yes       | <input type="checkbox"/> No           | If "yes", please specify:<br>WEEE       |                             |
| Is there a Type III environmental declaration for the product?                    |   |   |                                       | <input type="checkbox"/> Yes            | <input type="checkbox"/> No |
| Other information:  |   |   |                                       |   |                             |

**4. Contents**

| At the time of delivery, the product comprises the following parts/components, with the chemical composition stated: |                        |               |                          |                |          |
|--|------------------------|---------------|--------------------------|----------------|----------|
| Constituent materials/components   | Constituent substances | Weight % or g | EG no/ CAS no (or alloy) | Classification | Comments |
| Lens 24m   | PE                     | 13.2g         |                          |                |          |
| Top cover 24m  | PC                     | 9.7g          |                          |                |          |
| Designring   | PC                     | 4.25g         |                          |                |          |
| Bottom housing sensor  | PC                     | 17.7g         |                          |                |          |

|  |                        |         |  |             |  |
|--|------------------------|---------|--|-------------|--|
| screw (for sensor to fix the powerbox) | A2K                    | 0.67gx2 |  |             |  |
| screw (for sensor PCB)                 | FeZnNi                 | 0.28gx3 |  |             |  |
| screw (for powerbox)                   | FeZnNi                 | 0.19gx4 |  |             |  |
| Top cover of the power box             | PC                     | 3.4g    |  |             |  |
| Bottom cover of the power box          | PC                     | 7.8g    |  |             |  |
| Metal plate                            | SPCC-SD with Zn plated | 34.6g   |  |             |  |
| PIR Holder                             | PA66                   | 2.5g    |  |             |  |
| Lens mask                              | PP                     | 2.75g   |  |             |  |
| PCB                                    | FR4                    | 14g     |  | UL class V0 | PCB surface is HAL unleaded (Zn/Cu/Ni) |

Other information: **This product is RoHs conform. Product weight total : netto 0,143 kg**

### 5. Production phase

|   |  |   |                             |  |  |
|---|--|---|-----------------------------|--|--|
| <b>Resource utilisation and environmental impact during production of the item is reported in one of the following ways:</b>  |  |   |                             |  |  |
| <input type="checkbox"/> 1) Inflows (goods, intermediate goods, energy etc) for the registered product into the <b>manufacturing unit</b> , and the outflows (emissions and residual products) from it, i.e. from “gate-to-gate”. |  |   |                             |  |  |
| <input checked="" type="checkbox"/> 2) All inflows and outflows from the extraction of raw materials to finished products i.e. “Cradle-to-gate”.  |  |   |                             |  |  |
| <input type="checkbox"/> 3) Other limitation. State what:   |  |   |                             |  |  |
| The Report relates to unit of product   |  | <input type="checkbox"/> Reported product |                             | <input type="checkbox"/> The product’s product group | <input type="checkbox"/> The product’s production unit |
| Indicate <b>raw materials and intermediate goods</b> used in the manufacture of the product   |  |   |                             |  | <input type="checkbox"/> Not relevant                  |
| Raw material/intermediate goods   |  | Quantity and unit                         |                             |  | Comments   |
|   |  |   |                             |  |  |
|   |  |   |                             |  |  |
| Indicate <b>recycled materials</b> used in the manufacture of the product   |  |   |                             |  | <input type="checkbox"/> Not relevant                  |
| Type of material  |  | Quantity and unit                         |                             |  | Comments   |
|   |  |   |                             |  |  |
| Enter the <b>energy</b> used in the manufacture of the product or its component parts   |  |   |                             |  | <input type="checkbox"/> Not relevant                  |
| Type of energy  |  | Quantity and unit                         |                             |  | Comments   |
|   |  |   |                             |  |  |
| Enter the <b>transportation</b> used in the manufacture of the product or its component parts   |  |   |                             |  | <input type="checkbox"/> Not relevant                  |
| Type of transportation  |  | Proportion %                              |                             |  | Comments   |
|   |  |   |                             |  |  |
| Enter the emission to air, water or soil from the manufacture of the product or its component parts   |  |   |                             |  | <input type="checkbox"/> Not relevant                  |
| Type of emission  |  | Quantity and unit                         |                             |  | Comments   |
|   |  |   |                             |  |  |
| Enter the <b>residual products</b> from the manufacture of the product or its component parts   |  |   |                             |  | <input type="checkbox"/> Not relevant                  |
|   |  |   |                             |  | Comments   |
| Residual product  |  | Waste code                                | Quantity                    | Proportion recycled                                  |  |
|   |  |   |                             | Material recycled% <input type="checkbox"/>          | Energy recycled%                                       |
|   |  |   |                             | Comments   |  |
| Is there a description of the data accuracy for the manufacturing data?   |  | <input type="checkbox"/> Yes              | <input type="checkbox"/> No | If “yes”, please specify:                            |  |
|   |  |   |                             |  |  |
| Other information:  |  |   |                             |  |  |

## 6. Distribution of finished product

|  |                                       |                              |  |
|--|---------------------------------------|------------------------------|--|
| Does the supplier put into practice a system for returning load carriers for the product?      | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input type="checkbox"/> No            |
| Does the supplier put into practice any systems involving multi-use packaging for the product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Does the supplier take back packaging for the product?   | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Is the supplier affiliated to REPA?  | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Other information:   |                                       |                              |  |

## 7. Construction phase

|  |                                       |                              |  |                           |
|--|---------------------------------------|------------------------------|--|---------------------------|
| Are there any special requirements for the product during storage?                         | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Are there any special requirements for adjacent building products because of this product? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Other information:   |                                       |                              |  |                           |

## 8. Usage phase

|  |   |  |                                   |                                   |                                    |          |
|--|---|--|-----------------------------------|-----------------------------------|------------------------------------|----------|
| Does the product involve any special requirements for intermediate goods regarding operation and maintenance?          | <input type="checkbox"/> Yes                | <input checked="" type="checkbox"/> No | If "yes", please specify:         |                                   |                                    |          |
| Does the product have any special energy supply requirements for operation?  | <input type="checkbox"/> Yes                | <input checked="" type="checkbox"/> No | If "yes", please specify:         |                                   |                                    |          |
| Estimated technical service life for the product is to be entered according to one of the Following options, a) or b): |   |  |                                   |                                   |                                    |          |
| a) Reference service life estimated as being approx.   | <input checked="" type="checkbox"/> 5 years | <input type="checkbox"/> 10 years      | <input type="checkbox"/> 15 years | <input type="checkbox"/> 25 years | <input type="checkbox"/> >50 years | Comments |
| b) Reference service life estimated to be in the interval of years.  |   |  |                                   |                                   |                                    |          |
| Other information:   |   |  |                                   |                                   |                                    |          |

## 9. Demolition

|  |                                       |                              |  |                           |
|--|---------------------------------------|------------------------------|--|---------------------------|
| Is the product ready for disassembly (taking apart)?   | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Does the product require any special measures to protect health and environment during demolition/disassembly? | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Other information:   |                                       |                              |  |                           |

## 10. Waste management

|  |                                       |   |  |  |
|--|---------------------------------------|---|--|--|
| Is it possible to re-use all or parts of the product?                | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | If "yes", please specify:                    |
| Is it possible to recycle materials for all or parts of the product? | <input type="checkbox"/> Not relevant | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | If "yes", please specify:<br>Plastic / metal |
| Is it possible to recycle energy for all or parts of the product?    | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | If "yes", please specify:                    |

|   |                                       |                              |  |                           |
|---|---------------------------------------|------------------------------|--|---------------------------|
| Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?  | <input type="checkbox"/> Not relevant | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If "yes", please specify: |
| Enter the waste code for the <b>supplied</b> product  |                                       |                              |  |                           |
| Is the <b>supplied</b> product classed as hazardous waste?  | <input type="checkbox"/> Yes          |                              | <input checked="" type="checkbox"/> No |                           |
| If the chemical composition of the product differs after having been built in from that which it had at the time of delivery, meaning that another waste code is given to the finished <b>built in</b> product, then this should be entered here. If it is unchanged, the following details can be omitted. |                                       |                              |  |                           |
| Enter the waste code for the <b>built in</b> product  |                                       |                              |  |                           |
| Is the <b>built in</b> product classed as hazardous waste?  | <input type="checkbox"/> Yes          |                              | <input type="checkbox"/> No            |                           |
| Other information:  |                                       |                              |  |                           |

## 11. Indoor environment

| When used as intended, the product gives off the following emissions: |   | <input checked="" type="checkbox"/> The product does not have any emissions |                              |  |
|---|---|---|------------------------------|--|
| Type of emission  | Quantity [ $\mu\text{g}/\text{m}^2\text{h}$ ] or [ $\text{mg}/\text{m}^3\text{h}$ ] |   | Method of measurement        | Comments                               |
|   |   |   |                              |  |
|   |   |   |                              |  |
|   |   |   |                              |  |
|   |   |   |                              |  |
| Can the product itself give rise to any noise?                        |   | <input type="checkbox"/> Not relevant                                       | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value   | Unit  | Method of measurement   |                              |  |
| Can the product give rise to electrical fields?                       |   | <input type="checkbox"/> Not relevant                                       | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value   | Unit  | Method of measurement   |                              |  |
| Can the product give rise to magnetic fields?                         |   | <input type="checkbox"/> Not relevant                                       | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Value   | Unit  | Method of measurement   |                              |  |
| Other information:  |   |   |                              |  |