ESYLUX

BUILDING PRODUCT DECLARATION BPD 3

in compliance with the guidelines of the Ecocycle Council, June 2007

1. Basic data

Product identification			Document ID
Product name Ceiling presence detector with 2 switching channel	Product no/ID designation PD 360i/8 (EM10425004)		Product group PIR sensor
■ New declaration □ Revised declaration	**In the case of a revised declaration**		
	Has the product been changed?		The change relates to: Product specifications based on customer's request
	□No	■Yes	Changed product can be identified by The version of barcode label
Drawn up/revised on (date) Apr. 3, 2009			Inspected without revision on (date)
Other information:			

2. Supplier information

Company name ESYLUX GmbH			Company reg. no/DUNS no	
Address An der Strusbek 40 22926 Ahrensburg/ Germany			Contact person Wilko Trölitzsch	
			Telephone 0049(0)4102-481-0	
Website www.esylux.com			E-mail wilko.troelitzsch@esylux.com	
Does the company have an environmental management system?			□Yes	■No
The company possesses certification in compliance with	■ ISO 9000	□ ISO14000	□ Other	If "other", please specify:
Other information:				

3. Product information

Country of final manufacture 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?			□ Not relevant	■ Yes	□ No
In accordance with the regulations of the Swedish Chemicals Agency, please state:		Classification Labelling		□ Not relevant	
Is the product registered in BASTA?				□ Yes	□ No
Has the product been eco-labelled?	□Criteria not found	■Yes	□No	If "yes", please specify: WEEE	
Is there a Type III environmental declaration for the product?				□ Yes	□ 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**
Isolated paper (underneath the PIR)	High temperature resistant	0.1g			
Tapping screw (for poti PCB)	Stainless steel A2	0.4gx4			
Tapping screw (for power PCB)	FeZnNi	0.6gx4			

Tapping screw (for lens)	FeZnNi	0.6gx4			
Tapping screw (for sensor PCB)	FeZnNi	0.4gx4			
Tapping screw (for top cover and bottom case)	FeZnNi	0.8gx2			
Sealing ring (for the knobs)	NBR	0.2gx2			
Sealing strip (for bottom housing of sensor and lens)	Silicon	1.8g			
Lens	PE	4.2g			
Top cover	PC	42g			
Knob	PC	0.4gx5			
Bottom housing	PC	53.4g			
Metal plate	FeMg	21g			
Screw (non-dropping type, for sensor and metal plate)	Stainless steel A2	1.0gx2			
Sealing ring (for non-dropping screw)	NBR	0.2gx2			
Bottom cover of the power box	PC	10g			
Decorative ring	PC	14.8g			
Top cover of the power box	PC	8.2g			
Front cover	PC	43.6g			
Lens mask	PP	1.4g			
PCB	FR4	24g		UL class V0	PCB surface is HAL unleaded (Zn/Cu/Ni)

Other information: **This product is RoHs conform. Product weight total : netto 0,27 kg**

5. Production phase

Re**source utilisation and environmental impact during production of the item is reported in one of the following ways:**

□ **1)** Inflows (goods, intermediate goods, energy etc) for the registered product into the **manufacturing unit**, and the outflows (emissions and residual products) from it, i.e. from "gate-to-gate".

■ **2)** All inflows and outflows from the extraction of raw materials to finished products i.e. "Cradle-to-gate".

□ **3)** Other limitation. State what:

The Report relates to unit of product	□Reported product	□ The product's product group	□ The product's production unit
Indicate **raw materials and intermediate goods** used in the manufacture of the product			□ Not relevant
Raw material/intermediate goods	Quantity and unit		Comments
Indicate **recycled materials** used in the manufacture of the product			□ Not relevant
Type of material	Quantity and unit		Comments
Enter the **energy** used in the manufacture of the product or its component parts			□Not relevant
Type of energy	Quantity and unit		Comments
Enter the **transportation** used in the manufacture of the product or its component parts			□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			□Not relevant
Type of emission	Quantity and unit		Comments

Enter the **residual products** from the manufacture of the product or its component parts					□Not relevant
					Comments
Residual product	Waste code	Quantity	Proportion recycled		
			Material recycled%□	Energy recycled%	Comments
Is there a description of the data accuracy for the manufacturing data?	□Yes	□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?	□ Not relevant	□ Yes	□ No
Does the supplier put into practice any systems involving multi-use packaging for the product?	□ Not relevant	□ Yes	■ No
Does the supplier take back packaging for the product?	□ Not relevant	□ Yes	■ No
Is the supplier affiliated to REPA?	□ Not relevant	□ Yes	■ No
Other information:			

7. Construction phase

Are there any special requirements for the product during storage?	□Not relevant	□Yes	■No	If "yes", please specify:
Are there any special requirements for adjacent building products because of this product?	□Not relevant	□Yes	■No	If "yes", please specify:
Other information:				

8. Usage phase

Does the product involve any special requirements for intermediate goods regarding operation and maintenance?			□ Yes	■ No	If "yes", please specify:	
Does the product have any special energy supply requirements for operation?			□ Yes	■ 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.	■5 years	□10 years	□15 years	□ 25 years	□>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)?	□ Not relevant	□ Yes	■ No	If "yes", please specify:
Does the product require any special measures to protect health and environment during demolition/disassembly?	□ Not relevant	□ Yes	■ No	If "yes", please specify:
Other information:				

10. Waste management

Is it possible to re-use all or parts of the product?	□ Not relevant	□ Yes	■ No	If “yes”, please specify:
Is it possible to recycle materials for all or parts of the product?	□ Not relevant	■ Yes	□ No	If “yes”, please specify: Plastic / metal
Is it possible to recycle energy for all or parts of the product?	□ Not relevant	□ Yes	■ No	If “yes”, please specify:
Does the supplier have any restrictions and recommendations for re-use, materials or energy recycling or waste disposal?	□ Not relevant	□ Yes	■ No	If “yes”, please specify:
Enter the waste code for the **supplied** product				
Is the **supplied** product classed as hazardous waste?			□Yes	■ 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 **built in** product, then this should be entered here. If it is unchanged, the following details can be omitted.				
Enter the waste code for the **built in** product				
Is the **built in** product classed as hazardous waste?			□Yes	□No
Other information:				

11. Indoor environment

When used as intended, the product gives off the following emissions:			■ The product does not have any emissions		
Type of emission	**Quantity [µg/m²h] or [mg/m³h]**		**Method of measurement**	**Comments**	
Can the product itself give rise to any noise?			□ Not relevant	□ Yes	■ No
Value	Unit		Method of measurement		
Can the product give rise to electrical fields?			□ Not relevant	□ Yes	■ No
Value	Unit		Method of measurement		
Can the product give rise to magnetic fields?			□ Not relevant	□ Yes	■ No
Value	Unit		Method of measurement		
Other information:					