



**Finnish Institute of  
Occupational Health**

Department of Physics, notified by the Ministry of Social Affairs  
and Health and identified under 0403 grants

# EC TYPE EXAMINATION CERTIFICATE EXTENSION

No. 98362S12

for visibility accessories for non-professional use  
according to EN 13356:2001

**Cat 1790 Blue, Square 1787 Clear  
Round 1789 Orange (PMS 144)**

Hella Lighting Finland Oy  
Salo, Finland

These products comply with Directive 89/686/EEC,  
as amended

Helsinki, 9 December 2005

Jukka Starck  
Director of the Department

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Research Engineer

This certificate extension comprises 2 pages, of which this is the first one.



## 1. Applicant

Hella Lighting Finland Oy  
Inkereentie 566  
24280 Salo  
Finland

## 2. Description and identification of the product

Type: Visibility accessories for non-professional use according to EN 13356:2001  
Type 1 - free hanging accessory, rigid

Name: Cat 1790 Blue, Square 1787 Clear, Round 1789 Orange (PMS 144)

Description: Pedestrian retro-reflectors  
Alternative fastening elements: safety pin, fastening thread, plastic spiral, plastic clip of spiral, metal clip of spiral, plastic cord, plastic clip of spiral or plastic cord, or other similar fastenings.

Colours:

- Cat blue
- Square clear, material SAN (Styren-Acryl-Nitril)
- Round Orange (pigment number PMS 144)

Manufacturer: Hella Lighting Finland Oy, Inkereentie 566, 24280 Salo, Finland

Pictures of the products are as previously in type-examination certificates 98362S01-S02.

## 3. Modifications to the original products

New colour versions are added to the products Cat and Round, a new material is specified for Square.

## 4. Adequacy and validity of the technical documentation

Product versions have been tested in accordance with a harmonized European standard EN 13356:2001 by accredited testing methods. The models of the products supplied by the applicant conform with the technical documentation.

Note: Any modification in design, materials, or in the technical documentation, carried out on these type examined products must be brought to the attention of FIOH.

Appendix 1. Technical documentation

End of EC type examination certificate extension 98362S12.



**Technical documentation regarding EC type examination certificate extension 98362S12**

Product name: Cat 1790 Blue, Square 1787 Clear, Round 1789 Orange (PMS 144)

Applicant: Hella Lighting Finland Oy, Inkereentie 566, 24280 Salo, Finland

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	Extension application, 2005-12-07	Received 2005-12-08
2. Product drawing, construction, and material list	Drawings and descriptions of the products	Products are identified and described
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.2	
3.1 FIOH assessment of relevant Directive basic requirements	2005-12-12	The applied harmonised standard EN 13356:2001 support the relevant requirements
3.2 Hella laboratory test report	Ref: 014227/10/2005, 05-11-11 Cat 1790 Blue Ref: 014201/12/2005, 05-12-07 Square 1787 Clear Ref: 014226/12/2005, 05-12-07 Round 1789 Orange (PMS 144)	Products meet the requirements of EN 13356:2001