

# TUBA IP69K ENDURA

GENERAL CARD



## TECHNICAL PARAMETERS

|   |                      |
|---|----------------------|
| <b>Ingress protection:</b>                | IP69K                |
| <b>Impact resistance:</b>                 | IK05; IK06; IK10     |
| <b>Rated power of the luminaire [W]*:</b> | 10.00 - 59.00        |
| <b>Luminous flux [lm]*:</b>               | 1350 - 11150         |
| <b>Colour temperature [K]:</b>            | 4000                 |
| <b>Material of the body:</b>              | stainless steel      |
| <b>Diffuser material:</b>                 | PC; PMMA; glass      |
| <b>Optics material:</b>                   | PC                   |
| <b>Mounting version:</b>                  | surface, suspended   |
| <b>Dimensions (H/W/T/S) [mm]:</b>         | 660/64.5; 1281/64.5; |

## CHARACTERISTICS

The Tuba IP69K ENDURA is a cylindrical luminaire for special tasks – where other solutions fail. The ENDURA version, with a separate power supply box, is designed for extreme temperature conditions – up to 50 (70) °C. It combines the highest tightness, chemical resistance and mechanical durability. Compliance with the IP69K standard means full protection against dust (IP6X) and complete resistance to water under extremely high pressure (100 bar) at 80°C (IPX9K). This makes the luminaire ideal for areas requiring intensive cleaning, including with strong water jets and detergents. The Tuba IP69K ENDURA is designed to operate in the most demanding conditions. Made of chemically resistant materials: PMMA and extremely resistant borosilicate glass, it ensures exceptional durability even in aggressive industrial environments. The acid-resistant steel end caps eliminate the risk of corrosion, and its resistance to ammonia and animal gases makes it the ideal solution for breeding and processing facilities. Thanks to the use of a decompression valve, the luminaire can easily withstand sudden temperature changes, and the highest impact resistance class IK10 (for the PC version) guarantees reliability in the most difficult operating conditions. The Tuba IP69K ENDURA achieves up to 194 lm/W, meeting the requirements of the highest energy class A. Through-wiring versions, various light distributions and two lengths (630 and 1220 mm) are available. In addition, versions with UGR<19, UGR<22, UGR<25 ensure visual comfort even in demanding applications. Minimalist design, ease of installation and maintenance make the IP69K Tuba a reliable and timeless solution.

**UGR < 19**

Unified Glare Rating is an indicator of glare. The lower the Unified Glare Rating (UGR), the lower the glare.

## APPLICATION

Ideal for places requiring regular high-pressure cleaning, such as car washes, sewage treatment plants, food processing plants and slaughterhouses. It performs excellently in environments with high humidity, extreme negative and positive temperatures, and aggressive vapours – from cold stores and freezers to mushroom farms, animal and plant breeding facilities, and heavy industry. Thanks to its superior chemical, mechanical and thermal resistance, it is a reliable solution for industry.

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## AVAILABLE VERSIONS



Click index >>, to see details

TUBA IP69K Endura 1281/64.5mm

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                           |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 40                                | 4000                   | 7750                | 120            | IK05              | PMMA              |           | symmetric               |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013652</a> |
| 40                                | 4000                   | 7200                | 120            | IK10              | PC                |           | symmetric               |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013706</a> |
| 40                                | 4000                   | 7750                | 120            | IK06              | glass             |           | symmetric               |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013751</a> |
| 40                                | 4000                   | 6750                | 105            | IK05              | PMMA              |           | symmetric               |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013805</a> |
| 40                                | 4000                   | 6200                | 105            | IK10              | PC                |           | symmetric               |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013829</a> |
| 40                                | 4000                   | 6750                | 105            | IK06              | glass             |           | symmetric               |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013843</a> |
| 40                                | 4000                   | 7200                | 105            | IK05              | PMMA              |           | VW                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013867</a> |
| 40                                | 4000                   | 6750                | 105            | IK10              | PC                |           | VW                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013881</a> |
| 40                                | 4000                   | 7200                | 105            | IK06              | glass             |           | VW                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013904</a> |
| 40                                | 4000                   | 7200                | 90             | IK05              | PMMA              |           | MW                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013928</a> |
| 40                                | 4000                   | 6750                | 90             | IK10              | PC                |           | MW                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013942</a> |
| 40                                | 4000                   | 7200                | 90             | IK06              | glass             |           | MW                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013966</a> |
| 40                                | 4000                   | 7150                | 65             | IK05              | PMMA              |           | SN                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013980</a> |
| 40                                | 4000                   | 6650                | 65             | IK10              | PC                |           | SN                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 014024</a> |
| 40                                | 4000                   | 7150                | 65             | IK06              | glass             |           | SN                      |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 014048</a> |
| 40                                | 4000                   | 6850                | 90             | IK06              | glass             |           | MW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 211294</a> |
| 40                                | 4000                   | 6850                | 90             | IK06              | glass             |           | SW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 212178</a> |
| 40                                | 4000                   | 6850                | 90             | IK06              | glass             |           | VW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214059</a> |
| 40                                | 4000                   | 6950                | 90             | IK06              | glass             |           | SA MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 215803</a> |
| 40                                | 4000                   | 6950                | 90             | IK06              | glass             |           | SN MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214929</a> |
| 40                                | 4000                   | 7100                | 90             | IK06              | glass             |           | DAN MAT                 |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 217760</a> |

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| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 40                                | 4000                   | 6450                | 90             | IK10              | PC                |           | MW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 211270</a>   |
| 40                                | 4000                   | 6450                | 90             | IK10              | PC                |           | SW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 212154</a>   |
| 40                                | 4000                   | 6450                | 90             | IK10              | PC                |           | VW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214035</a>   |
| 40                                | 4000                   | 6500                | 90             | IK10              | PC                |           | SA MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 215780</a>   |
| 40                                | 4000                   | 6500                | 90             | IK10              | PC                |           | SN MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214905</a>   |
| 40                                | 4000                   | 6650                | 90             | IK10              | PC                |           | DAN MAT                 |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 217746</a>   |
| 40                                | 4000                   | 6850                | 90             | IK05              | PMMA              |           | MW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 211256</a>   |
| 40                                | 4000                   | 6850                | 90             | IK05              | PMMA              |           | SW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 212130</a>   |
| 40                                | 4000                   | 6850                | 90             | IK05              | PMMA              |           | VW MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214011</a>   |
| 40                                | 4000                   | 6950                | 90             | IK05              | PMMA              |           | SA MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 215766</a>   |
| 40                                | 4000                   | 6950                | 90             | IK05              | PMMA              |           | SN MAT                  |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214882</a>   |
| 40                                | 4000                   | 7100                | 90             | IK05              | PMMA              |           | DAN MAT                 |         | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 217722</a>   |
| 40                                | 4000                   | 6850                | 90             | IK06              | glass             |           | MW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 211294/2</a> |
| 40                                | 4000                   | 6850                | 90             | IK06              | glass             |           | SW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 212178/2</a> |
| 40                                | 4000                   | 6850                | 90             | IK06              | glass             |           | VW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214059/2</a> |
| 40                                | 4000                   | 6950                | 90             | IK06              | glass             |           | SA MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 215803/2</a> |
| 40                                | 4000                   | 7100                | 90             | IK06              | glass             |           | DAN MAT                 | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 217760/2</a> |
| 40                                | 4000                   | 7200                | 90             | IK06              | glass             |           | MW                      | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013966/2</a> |
| 40                                | 4000                   | 7200                | 105            | IK06              | glass             |           | VW                      | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013904/2</a> |
| 40                                | 4000                   | 6450                | 90             | IK10              | PC                |           | MW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 211270/2</a> |
| 40                                | 4000                   | 6450                | 90             | IK10              | PC                |           | SW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 212154/2</a> |
| 40                                | 4000                   | 6450                | 90             | IK10              | PC                |           | VW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214035/2</a> |
| 40                                | 4000                   | 6500                | 90             | IK10              | PC                |           | SA MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 215780/2</a> |
| 40                                | 4000                   | 6650                | 90             | IK10              | PC                |           | DAN MAT                 | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 217746/2</a> |

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|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 40                                | 4000                   | 6750                | 90             | IK10              | PC                |           | MW                      | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013942/2</a> |
| 40                                | 4000                   | 6750                | 105            | IK10              | PC                |           | VW                      | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013881/2</a> |
| 40                                | 4000                   | 6850                | 90             | IK05              | PMMA              |           | MW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 211256/2</a> |
| 40                                | 4000                   | 6850                | 90             | IK05              | PMMA              |           | SW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 212130/2</a> |
| 40                                | 4000                   | 6850                | 90             | IK05              | PMMA              |           | VW MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 214011/2</a> |
| 40                                | 4000                   | 6950                | 90             | IK05              | PMMA              |           | SA MAT                  | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 215766/2</a> |
| 40                                | 4000                   | 7100                | 90             | IK05              | PMMA              |           | DAN MAT                 | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 217722/2</a> |
| 40                                | 4000                   | 7200                | 90             | IK05              | PMMA              |           | MW                      | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013928/2</a> |
| 40                                | 4000                   | 7200                | 105            | IK05              | PMMA              |           | VW                      | R2      | from -25 to +70          | 1281/64.5                 | <a href="#">&gt;&gt; 013867/2</a> |
| 59                                | 4000                   | 11150               | 120            | IK05              | PMMA              |           | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013669</a>   |
| 59                                | 4000                   | 11150               | 120            | IK05              | PMMA              | yes       | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013676</a>   |
| 59                                | 4000                   | 9700                | 105            | IK05              | PMMA              | yes       | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013683</a>   |
| 59                                | 4000                   | 10400               | 105            | IK05              | PMMA              | yes       | VW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013690</a>   |
| 59                                | 4000                   | 10450               | 120            | IK10              | PC                |           | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013713</a>   |
| 59                                | 4000                   | 10450               | 120            | IK10              | PC                | yes       | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013720</a>   |
| 59                                | 4000                   | 9000                | 105            | IK10              | PC                | yes       | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013737</a>   |
| 59                                | 4000                   | 9650                | 105            | IK10              | PC                | yes       | VW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013744</a>   |
| 59                                | 4000                   | 11150               | 120            | IK06              | glass             |           | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013768</a>   |
| 59                                | 4000                   | 11150               | 120            | IK06              | glass             | yes       | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013775</a>   |
| 59                                | 4000                   | 9700                | 105            | IK06              | glass             | yes       | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013782</a>   |
| 59                                | 4000                   | 10400               | 105            | IK06              | glass             | yes       | VW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013799</a>   |
| 59                                | 4000                   | 9700                | 105            | IK05              | PMMA              |           | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013812</a>   |
| 59                                | 4000                   | 9000                | 105            | IK10              | PC                |           | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013836</a>   |
| 59                                | 4000                   | 9700                | 105            | IK06              | glass             |           | symmetric               |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013850</a>   |

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| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                           |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 59                                | 4000                   | 10400               | 105            | IK05              | PMMA              |           | VW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013874</a> |
| 59                                | 4000                   | 9650                | 105            | IK10              | PC                |           | VW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013898</a> |
| 59                                | 4000                   | 10400               | 105            | IK06              | glass             |           | VW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013911</a> |
| 59                                | 4000                   | 10400               | 90             | IK05              | PMMA              |           | MW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013935</a> |
| 59                                | 4000                   | 9650                | 90             | IK10              | PC                |           | MW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013959</a> |
| 59                                | 4000                   | 10400               | 90             | IK06              | glass             |           | MW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013973</a> |
| 59                                | 4000                   | 10350               | 65             | IK05              | PMMA              |           | SN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013997</a> |
| 59                                | 4000                   | 9600                | 65             | IK10              | PC                |           | SN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014031</a> |
| 59                                | 4000                   | 10350               | 65             | IK06              | glass             |           | SN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014055</a> |
| 59                                | 4000                   | 10400               | 80             | IK05              | PMMA              |           | SW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014062</a> |
| 59                                | 4000                   | 9650                | 80             | IK10              | PC                |           | SW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014079</a> |
| 59                                | 4000                   | 10400               | 80             | IK06              | glass             |           | SW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014086</a> |
| 59                                | 4000                   | 10350               | 35/67          | IK05              | PMMA              |           | CN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014093</a> |
| 59                                | 4000                   | 9600                | 35/67          | IK10              | PC                |           | CN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014116</a> |
| 59                                | 4000                   | 10350               | 35/67          | IK06              | glass             |           | CN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014130</a> |
| 59                                | 4000                   | 10350               | 30             | IK05              | PMMA              |           | VN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014147</a> |
| 59                                | 4000                   | 9600                | 30             | IK10              | PC                |           | VN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014154</a> |
| 59                                | 4000                   | 10350               | 30             | IK06              | glass             |           | VN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014161</a> |
| 59                                | 4000                   | 10100               | asymetric      | IK05              | PMMA              |           | SA                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014178</a> |
| 59                                | 4000                   | 9400                | asymetric      | IK10              | PC                |           | SA                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014185</a> |
| 59                                | 4000                   | 10100               | asymetric      | IK06              | glass             |           | SA                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014192</a> |
| 59                                | 4000                   | 10050               | butterfly      | IK05              | PMMA              |           | DAN                     |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014215</a> |
| 59                                | 4000                   | 9350                | butterfly      | IK10              | PC                |           | DAN                     |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014222</a> |
| 59                                | 4000                   | 10050               | butterfly      | IK06              | glass             |           | DAN                     |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014239</a> |

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|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 59                                | 4000                   | 10400               | 90             | IK05              | PMMA              | yes       | MW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014246</a> |
| 59                                | 4000                   | 9650                | 90             | IK10              | PC                | yes       | MW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014277</a> |
| 59                                | 4000                   | 10400               | 90             | IK06              | glass             | yes       | MW                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014284</a> |
| 59                                | 4000                   | 10350               | 65             | IK05              | PMMA              | yes       | SN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014291</a> |
| 59                                | 4000                   | 9600                | 65             | IK10              | PC                | yes       | SN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014314</a> |
| 59                                | 4000                   | 10350               | 65             | IK06              | glass             | yes       | SN                      |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014321</a> |
| 59                                | 4000                   | 10000               | 90             | IK06              | glass             | yes       | SA MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215841</a> |
| 59                                | 4000                   | 10000               | 90             | IK06              | glass             | yes       | SN MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214967</a> |
| 59                                | 4000                   | 10000               | 90             | IK06              | glass             |           | SA MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215810</a> |
| 59                                | 4000                   | 10000               | 90             | IK06              | glass             |           | SN MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214936</a> |
| 59                                | 4000                   | 10250               | 90             | IK06              | glass             | yes       | DAN MAT                 |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217807</a> |
| 59                                | 4000                   | 10250               | 90             | IK06              | glass             |           | DAN MAT                 |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217777</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             | yes       | MW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211331</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             | yes       | SW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212215</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             | yes       | VW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214097</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             |           | MW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211300</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             |           | SW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212185</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             |           | VW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214066</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                | yes       | MW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211324</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                | yes       | SW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212208</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                | yes       | VW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214080</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                |           | MW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211287</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                |           | SW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212161</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                |           | VW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214042</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 59                                | 4000                   | 9300                | 90             | IK10              | PC                | yes       | SA MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215834</a>   |
| 59                                | 4000                   | 9300                | 90             | IK10              | PC                | yes       | SN MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214950</a>   |
| 59                                | 4000                   | 9300                | 90             | IK10              | PC                |           | SA MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215797</a>   |
| 59                                | 4000                   | 9300                | 90             | IK10              | PC                |           | SN MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214912</a>   |
| 59                                | 4000                   | 9500                | 90             | IK10              | PC                | yes       | DAN MAT                 |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217791</a>   |
| 59                                | 4000                   | 9500                | 90             | IK10              | PC                |           | DAN MAT                 |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217753</a>   |
| 59                                | 4000                   | 10000               | 90             | IK05              | PMMA              | yes       | SA MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215827</a>   |
| 59                                | 4000                   | 10000               | 90             | IK05              | PMMA              | yes       | SN MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214943</a>   |
| 59                                | 4000                   | 10000               | 90             | IK05              | PMMA              |           | SA MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215773</a>   |
| 59                                | 4000                   | 10000               | 90             | IK05              | PMMA              |           | SN MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214899</a>   |
| 59                                | 4000                   | 10250               | 90             | IK05              | PMMA              | yes       | DAN MAT                 |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217784</a>   |
| 59                                | 4000                   | 10250               | 90             | IK05              | PMMA              |           | DAN MAT                 |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217739</a>   |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              | yes       | MW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211317</a>   |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              | yes       | SW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212192</a>   |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              | yes       | VW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214073</a>   |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              |           | MW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211263</a>   |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              |           | SW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212147</a>   |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              |           | VW MAT                  |         | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214028</a>   |
| 59                                | 4000                   | 10000               | 90             | IK06              | glass             | yes       | SA MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215841/2</a> |
| 59                                | 4000                   | 10000               | 90             | IK06              | glass             |           | SA MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215810/2</a> |
| 59                                | 4000                   | 10050               | butterfly      | IK06              | glass             |           | DAN                     | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014239/2</a> |
| 59                                | 4000                   | 10100               | asymetric      | IK06              | glass             |           | SA                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014192/2</a> |
| 59                                | 4000                   | 10250               | 90             | IK06              | glass             | yes       | DAN MAT                 | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217807/2</a> |
| 59                                | 4000                   | 10250               | 90             | IK06              | glass             |           | DAN MAT                 | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217777/2</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 59                                | 4000                   | 10400               | 90             | IK06              | glass             | yes       | MW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014284/2</a> |
| 59                                | 4000                   | 10400               | 105            | IK06              | glass             | yes       | VW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013799/2</a> |
| 59                                | 4000                   | 10400               | 90             | IK06              | glass             |           | MW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013973/2</a> |
| 59                                | 4000                   | 10400               | 80             | IK06              | glass             |           | SW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014086/2</a> |
| 59                                | 4000                   | 10400               | 105            | IK06              | glass             |           | VW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013911/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             | yes       | MW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211331/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             | yes       | SW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212215/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             | yes       | VW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214097/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             |           | MW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211300/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             |           | SW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212185/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK06              | glass             |           | VW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214066/2</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                | yes       | MW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211324/2</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                | yes       | SW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212208/2</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                | yes       | VW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214080/2</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                |           | MW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211287/2</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                |           | SW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212161/2</a> |
| 59                                | 4000                   | 9200                | 90             | IK10              | PC                |           | VW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214042/2</a> |
| 59                                | 4000                   | 9300                | 90             | IK10              | PC                | yes       | SA MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215834/2</a> |
| 59                                | 4000                   | 9300                | 90             | IK10              | PC                |           | SA MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215797/2</a> |
| 59                                | 4000                   | 9350                | butterfly      | IK10              | PC                |           | DAN                     | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014222/2</a> |
| 59                                | 4000                   | 9400                | asymetric      | IK10              | PC                |           | SA                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014185/2</a> |
| 59                                | 4000                   | 9500                | 90             | IK10              | PC                | yes       | DAN MAT                 | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217791/2</a> |
| 59                                | 4000                   | 9500                | 90             | IK10              | PC                |           | DAN MAT                 | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217753/2</a> |
| 59                                | 4000                   | 9650                | 90             | IK10              | PC                | yes       | MW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014277/2</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 59                                | 4000                   | 9650                | 105            | IK10              | PC                | yes       | VW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013744/2</a> |
| 59                                | 4000                   | 9650                | 90             | IK10              | PC                |           | MW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013959/2</a> |
| 59                                | 4000                   | 9650                | 80             | IK10              | PC                |           | SW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014079/2</a> |
| 59                                | 4000                   | 9650                | 105            | IK10              | PC                |           | VW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013898/2</a> |
| 59                                | 4000                   | 10000               | 90             | IK05              | PMMA              | yes       | SA MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215827/2</a> |
| 59                                | 4000                   | 10000               | 90             | IK05              | PMMA              |           | SA MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 215773/2</a> |
| 59                                | 4000                   | 10050               | butterfly      | IK05              | PMMA              |           | DAN                     | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014215/2</a> |
| 59                                | 4000                   | 10100               | asymetric      | IK05              | PMMA              |           | SA                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014178/2</a> |
| 59                                | 4000                   | 10250               | 90             | IK05              | PMMA              | yes       | DAN MAT                 | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217784/2</a> |
| 59                                | 4000                   | 10250               | 90             | IK05              | PMMA              |           | DAN MAT                 | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 217739/2</a> |
| 59                                | 4000                   | 10400               | 90             | IK05              | PMMA              | yes       | MW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014246/2</a> |
| 59                                | 4000                   | 10400               | 105            | IK05              | PMMA              | yes       | VW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013690/2</a> |
| 59                                | 4000                   | 10400               | 90             | IK05              | PMMA              |           | MW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013935/2</a> |
| 59                                | 4000                   | 10400               | 80             | IK05              | PMMA              |           | SW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 014062/2</a> |
| 59                                | 4000                   | 10400               | 105            | IK05              | PMMA              |           | VW                      | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 013874/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              | yes       | MW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211317/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              | yes       | SW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212192/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              | yes       | VW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214073/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              |           | MW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 211263/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              |           | SW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 212147/2</a> |
| 59                                | 4000                   | 9900                | 90             | IK05              | PMMA              |           | VW MAT                  | R2      | from -25 to +50          | 1281/64.5                 | <a href="#">&gt;&gt; 214028/2</a> |

## TUBA IP69K Endura 660/64.5mm

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                           |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 10                                | 4000                   | 1650                | 120            | IK05              | PMMA              |           | symmetric               |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013065</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                           |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 10                                | 4000                   | 1550                | 120            | IK10              | PC                |           | symmetric               |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013072</a> |
| 10                                | 4000                   | 1650                | 120            | IK06              | glass             |           | symmetric               |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013089</a> |
| 10                                | 4000                   | 1450                | 105            | IK05              | PMMA              |           | symmetric               |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013140</a> |
| 10                                | 4000                   | 1350                | 105            | IK10              | PC                |           | symmetric               |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013157</a> |
| 10                                | 4000                   | 1450                | 105            | IK06              | glass             |           | symmetric               |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013164</a> |
| 10                                | 4000                   | 1550                | 105            | IK05              | PMMA              |           | VW                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013201</a> |
| 10                                | 4000                   | 1450                | 105            | IK10              | PC                |           | VW                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013218</a> |
| 10                                | 4000                   | 1550                | 105            | IK06              | glass             |           | VW                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013225</a> |
| 10                                | 4000                   | 1550                | 90             | IK05              | PMMA              |           | MW                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013263</a> |
| 10                                | 4000                   | 1450                | 90             | IK10              | PC                |           | MW                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013270</a> |
| 10                                | 4000                   | 1550                | 90             | IK06              | glass             |           | MW                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013287</a> |
| 10                                | 4000                   | 1550                | 65             | IK05              | PMMA              |           | SN                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013324</a> |
| 10                                | 4000                   | 1450                | 65             | IK10              | PC                |           | SN                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013331</a> |
| 10                                | 4000                   | 1550                | 65             | IK06              | glass             |           | SN                      |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013348</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | MW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 211218</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | SA MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 215728</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | SN MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 214844</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | SW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212093</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | VW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212963</a> |
| 10                                | 4000                   | 1550                | 90             | IK06              | glass             |           | DAN MAT                 |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 217685</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | MW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 211201</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | SA MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 215711</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | SN MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 214837</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | SW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212086</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | VW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212956</a>   |
| 10                                | 4000                   | 1450                | 90             | IK10              | PC                |           | DAN MAT                 |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 217678</a>   |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | MW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 211195</a>   |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | SA MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 215704</a>   |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | SN MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 214820</a>   |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | SW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212079</a>   |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | VW MAT                  |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212949</a>   |
| 10                                | 4000                   | 1550                | 90             | IK05              | PMMA              |           | DAN MAT                 |         | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 217661</a>   |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | MW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 211218/2</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | SA MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 215728/2</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | SW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212093/2</a> |
| 10                                | 4000                   | 1500                | 90             | IK06              | glass             |           | VW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212963/2</a> |
| 10                                | 4000                   | 1550                | 90             | IK06              | glass             |           | DAN MAT                 | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 217685/2</a> |
| 10                                | 4000                   | 1550                | 90             | IK06              | glass             |           | MW                      | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013287/2</a> |
| 10                                | 4000                   | 1550                | 105            | IK06              | glass             |           | VW                      | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013225/2</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | MW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 211201/2</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | SA MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 215711/2</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | SW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212086/2</a> |
| 10                                | 4000                   | 1400                | 90             | IK10              | PC                |           | VW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212956/2</a> |
| 10                                | 4000                   | 1450                | 90             | IK10              | PC                |           | DAN MAT                 | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 217678/2</a> |
| 10                                | 4000                   | 1450                | 90             | IK10              | PC                |           | MW                      | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013270/2</a> |
| 10                                | 4000                   | 1450                | 105            | IK10              | PC                |           | VW                      | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013218/2</a> |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | MW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 211195/2</a> |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | SA MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 215704/2</a> |

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| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | SW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212079/2</a> |
| 10                                | 4000                   | 1500                | 90             | IK05              | PMMA              |           | VW MAT                  | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 212949/2</a> |
| 10                                | 4000                   | 1550                | 90             | IK05              | PMMA              |           | DAN MAT                 | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 217661/2</a> |
| 10                                | 4000                   | 1550                | 90             | IK05              | PMMA              |           | MW                      | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013263/2</a> |
| 10                                | 4000                   | 1550                | 105            | IK05              | PMMA              |           | VW                      | R2      | from -25 to +70          | 660/64.5                  | <a href="#">&gt;&gt; 013201/2</a> |
| 32                                | 4000                   | 5550                | 120            | IK05              | PMMA              |           | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013003</a>   |
| 32                                | 4000                   | 5200                | 120            | IK10              | PC                |           | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013041</a>   |
| 32                                | 4000                   | 5550                | 120            | IK06              | glass             |           | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013058</a>   |
| 32                                | 4000                   | 4850                | 105            | IK05              | PMMA              |           | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013096</a>   |
| 32                                | 4000                   | 4500                | 105            | IK10              | PC                |           | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013102</a>   |
| 32                                | 4000                   | 4850                | 105            | IK06              | glass             |           | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013133</a>   |
| 32                                | 4000                   | 5200                | 105            | IK05              | PMMA              |           | VW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013171</a>   |
| 32                                | 4000                   | 4800                | 105            | IK10              | PC                |           | VW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013188</a>   |
| 32                                | 4000                   | 5200                | 105            | IK06              | glass             |           | VW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013195</a>   |
| 32                                | 4000                   | 5200                | 90             | IK05              | PMMA              |           | MW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013232</a>   |
| 32                                | 4000                   | 4800                | 90             | IK10              | PC                |           | MW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013249</a>   |
| 32                                | 4000                   | 5200                | 90             | IK06              | glass             |           | MW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013256</a>   |
| 32                                | 4000                   | 5150                | 65             | IK05              | PMMA              |           | SN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013294</a>   |
| 32                                | 4000                   | 4800                | 65             | IK10              | PC                |           | SN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013300</a>   |
| 32                                | 4000                   | 5150                | 65             | IK06              | glass             |           | SN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013317</a>   |
| 32                                | 4000                   | 5200                | 80             | IK05              | PMMA              |           | SW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013355</a>   |
| 32                                | 4000                   | 4800                | 80             | IK10              | PC                |           | SW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013362</a>   |
| 32                                | 4000                   | 5200                | 80             | IK06              | glass             |           | SW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013379</a>   |
| 32                                | 4000                   | 5150                | 35/67          | IK05              | PMMA              |           | CN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013386</a>   |

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| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                           |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 32                                | 4000                   | 4800                | 35/67          | IK10              | PC                |           | CN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013393</a> |
| 32                                | 4000                   | 5150                | 35/67          | IK06              | glass             |           | CN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013409</a> |
| 32                                | 4000                   | 5150                | 30             | IK05              | PMMA              |           | VN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013416</a> |
| 32                                | 4000                   | 4800                | 30             | IK10              | PC                |           | VN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013423</a> |
| 32                                | 4000                   | 5150                | 30             | IK06              | glass             |           | VN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013430</a> |
| 32                                | 4000                   | 5050                | asymetric      | IK05              | PMMA              |           | SA                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013447</a> |
| 32                                | 4000                   | 4700                | asymetric      | IK10              | PC                |           | SA                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013454</a> |
| 32                                | 4000                   | 5050                | asymetric      | IK06              | glass             |           | SA                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013461</a> |
| 32                                | 4000                   | 5000                | butterfly      | IK05              | PMMA              |           | DAN                     |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013478</a> |
| 32                                | 4000                   | 4650                | butterfly      | IK10              | PC                |           | DAN                     |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013485</a> |
| 32                                | 4000                   | 5000                | butterfly      | IK06              | glass             |           | DAN                     |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013492</a> |
| 32                                | 4000                   | 5550                | 120            | IK05              | PMMA              | yes       | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013508</a> |
| 32                                | 4000                   | 4850                | 105            | IK05              | PMMA              | yes       | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013515</a> |
| 32                                | 4000                   | 5200                | 105            | IK05              | PMMA              | yes       | VW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013522</a> |
| 32                                | 4000                   | 5200                | 120            | IK10              | PC                | yes       | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013539</a> |
| 32                                | 4000                   | 4500                | 105            | IK10              | PC                | yes       | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013546</a> |
| 32                                | 4000                   | 4800                | 105            | IK10              | PC                | yes       | VW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013553</a> |
| 32                                | 4000                   | 5550                | 120            | IK06              | glass             | yes       | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013560</a> |
| 32                                | 4000                   | 4850                | 105            | IK06              | glass             | yes       | symmetric               |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013577</a> |
| 32                                | 4000                   | 5200                | 105            | IK06              | glass             | yes       | VW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013584</a> |
| 32                                | 4000                   | 5200                | 90             | IK05              | PMMA              | yes       | MW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013591</a> |
| 32                                | 4000                   | 4800                | 90             | IK10              | PC                | yes       | MW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013607</a> |
| 32                                | 4000                   | 5200                | 90             | IK06              | glass             | yes       | MW                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013614</a> |
| 32                                | 4000                   | 5150                | 65             | IK05              | PMMA              | yes       | SN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013621</a> |

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## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                           |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|---------------------------------|
| 32                                | 4000                   | 4800                | 65             | IK10              | PC                | yes       | SN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013638</a> |
| 32                                | 4000                   | 5150                | 65             | IK06              | glass             | yes       | SN                      |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013645</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             | yes       | MW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211249</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             | yes       | SW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212123</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             | yes       | VW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212994</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             |           | MW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211188</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             |           | SW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212062</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             |           | VW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212932</a> |
| 32                                | 4000                   | 5000                | 90             | IK06              | glass             | yes       | SA MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215759</a> |
| 32                                | 4000                   | 5000                | 90             | IK06              | glass             | yes       | SN MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 214875</a> |
| 32                                | 4000                   | 5000                | 90             | IK06              | glass             |           | SA MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215698</a> |
| 32                                | 4000                   | 5000                | 90             | IK06              | glass             |           | SN MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 214813</a> |
| 32                                | 4000                   | 5100                | 90             | IK06              | glass             | yes       | DAN MAT                 |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217715</a> |
| 32                                | 4000                   | 5100                | 90             | IK06              | glass             |           | DAN MAT                 |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217654</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                | yes       | MW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211232</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                | yes       | SW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212116</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                | yes       | VW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212987</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                |           | MW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211171</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                |           | SW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212055</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                |           | VW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212925</a> |
| 32                                | 4000                   | 4600                | 90             | IK10              | PC                | yes       | SA MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215742</a> |
| 32                                | 4000                   | 4600                | 90             | IK10              | PC                | yes       | SN MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 214868</a> |
| 32                                | 4000                   | 4600                | 90             | IK10              | PC                |           | SA MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215681</a> |
| 32                                | 4000                   | 4600                | 90             | IK10              | PC                |           | SN MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 214806</a> |

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|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 32                                | 4000                   | 4750                | 90             | IK10              | PC                | yes       | DAN MAT                 |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217708</a>   |
| 32                                | 4000                   | 4750                | 90             | IK10              | PC                |           | DAN MAT                 |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217647</a>   |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              | yes       | MW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211225</a>   |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              | yes       | SW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212109</a>   |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              | yes       | VW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212970</a>   |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              |           | MW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211164</a>   |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              |           | SW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212048</a>   |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              |           | VW MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212918</a>   |
| 32                                | 4000                   | 5000                | 90             | IK05              | PMMA              | yes       | SA MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215735</a>   |
| 32                                | 4000                   | 5000                | 90             | IK05              | PMMA              | yes       | SN MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 214851</a>   |
| 32                                | 4000                   | 5000                | 90             | IK05              | PMMA              |           | SA MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215674</a>   |
| 32                                | 4000                   | 5000                | 90             | IK05              | PMMA              |           | SN MAT                  |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 214790</a>   |
| 32                                | 4000                   | 5100                | 90             | IK05              | PMMA              | yes       | DAN MAT                 |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217692</a>   |
| 32                                | 4000                   | 5100                | 90             | IK05              | PMMA              |           | DAN MAT                 |         | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217630</a>   |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             | yes       | MW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211249/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             | yes       | SW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212123/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             | yes       | VW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212994/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             |           | MW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211188/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             |           | SW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212062/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK06              | glass             |           | VW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212932/2</a> |
| 32                                | 4000                   | 5000                | 90             | IK06              | glass             | yes       | SA MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215759/2</a> |
| 32                                | 4000                   | 5000                | butterfly      | IK06              | glass             |           | DAN                     | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013492/2</a> |
| 32                                | 4000                   | 5000                | 90             | IK06              | glass             |           | SA MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215698/2</a> |
| 32                                | 4000                   | 5050                | asymetric      | IK06              | glass             |           | SA                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013461/2</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 32                                | 4000                   | 5100                | 90             | IK06              | glass             | yes       | DAN MAT                 | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217715/2</a> |
| 32                                | 4000                   | 5100                | 90             | IK06              | glass             |           | DAN MAT                 | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217654/2</a> |
| 32                                | 4000                   | 5200                | 90             | IK06              | glass             | yes       | MW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013614/2</a> |
| 32                                | 4000                   | 5200                | 105            | IK06              | glass             | yes       | VW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013584/2</a> |
| 32                                | 4000                   | 5200                | 90             | IK06              | glass             |           | MW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013256/2</a> |
| 32                                | 4000                   | 5200                | 80             | IK06              | glass             |           | SW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013379/2</a> |
| 32                                | 4000                   | 5200                | 105            | IK06              | glass             |           | VW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013195/2</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                | yes       | MW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211232/2</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                | yes       | SW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212116/2</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                | yes       | VW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212987/2</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                |           | MW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211171/2</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                |           | SW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212055/2</a> |
| 32                                | 4000                   | 4550                | 90             | IK10              | PC                |           | VW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212925/2</a> |
| 32                                | 4000                   | 4600                | 90             | IK10              | PC                | yes       | SA MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215742/2</a> |
| 32                                | 4000                   | 4600                | 90             | IK10              | PC                |           | SA MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215681/2</a> |
| 32                                | 4000                   | 4650                | butterfly      | IK10              | PC                |           | DAN                     | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013485/2</a> |
| 32                                | 4000                   | 4700                | asymetric      | IK10              | PC                |           | SA                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013454/2</a> |
| 32                                | 4000                   | 4750                | 90             | IK10              | PC                | yes       | DAN MAT                 | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217708/2</a> |
| 32                                | 4000                   | 4750                | 90             | IK10              | PC                |           | DAN MAT                 | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217647/2</a> |
| 32                                | 4000                   | 4800                | 90             | IK10              | PC                | yes       | MW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013607/2</a> |
| 32                                | 4000                   | 4800                | 105            | IK10              | PC                | yes       | VW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013553/2</a> |
| 32                                | 4000                   | 4800                | 90             | IK10              | PC                |           | MW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013249/2</a> |
| 32                                | 4000                   | 4800                | 80             | IK10              | PC                |           | SW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013362/2</a> |
| 32                                | 4000                   | 4800                | 105            | IK10              | PC                |           | VW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013188/2</a> |

# TUBA IP69K ENDURA

## GENERAL CARD

| Rated power of the luminaire [W]* | Colour temperature [K] | Luminous flux [lm]* | Beam angle [°] | Impact resistance | Diffuser material | DIMM DALI | Light distribution type | Version | Working temperature [°C] | Dimensions (H/W/T/S) [mm] | Index                             |
|-----------------------------------|------------------------|---------------------|----------------|-------------------|-------------------|-----------|-------------------------|---------|--------------------------|---------------------------|-----------------------------------|
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              | yes       | MW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211225/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              | yes       | SW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212109/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              | yes       | VW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212970/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              |           | MW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 211164/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              |           | SW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212048/2</a> |
| 32                                | 4000                   | 4950                | 90             | IK05              | PMMA              |           | VW MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 212918/2</a> |
| 32                                | 4000                   | 5000                | 90             | IK05              | PMMA              | yes       | SA MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215735/2</a> |
| 32                                | 4000                   | 5000                | butterfly      | IK05              | PMMA              |           | DAN                     | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013478/2</a> |
| 32                                | 4000                   | 5000                | 90             | IK05              | PMMA              |           | SA MAT                  | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 215674/2</a> |
| 32                                | 4000                   | 5050                | asymetric      | IK05              | PMMA              |           | SA                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013447/2</a> |
| 32                                | 4000                   | 5100                | 90             | IK05              | PMMA              | yes       | DAN MAT                 | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217692/2</a> |
| 32                                | 4000                   | 5100                | 90             | IK05              | PMMA              |           | DAN MAT                 | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 217630/2</a> |
| 32                                | 4000                   | 5200                | 90             | IK05              | PMMA              | yes       | MW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013591/2</a> |
| 32                                | 4000                   | 5200                | 105            | IK05              | PMMA              | yes       | VW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013522/2</a> |
| 32                                | 4000                   | 5200                | 90             | IK05              | PMMA              |           | MW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013232/2</a> |
| 32                                | 4000                   | 5200                | 80             | IK05              | PMMA              |           | SW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013355/2</a> |
| 32                                | 4000                   | 5200                | 105            | IK05              | PMMA              |           | VW                      | R2      | from -25 to +50          | 660/64.5                  | <a href="#">&gt;&gt; 013171/2</a> |

Card creation date: 08 July 2026

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. \* Parameter tolerance is +/- 10%



This product is a subject to electric and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 97/2025



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