

**ELEMENT**





# THE ELEMENT CONCEPT

ELEMENT is Normagrup's response to the 21st century environmental challenge, thanks to an innovative concept that places the circular economy at the center of a comprehensive lighting system where light regains its importance in space. A model that surpasses the traditional formula based on equipment obsolescence by presenting a system where all components are replaceable and recyclable.

## **A PIONEERING TECHNOLOGY**

The ELEMENT technology is based on mastering the LED light source through the Core, the common and interchangeable core of the system. Available in three sizes and with multiple lighting configurations, the heart of ELEMENT allows total control of light in any installation, offering multiple setups and providing the value-added of equipment replacement.

## **FUTURE IS CIRCULAR**

Following the 4R's philosophy, ELEMENT is aimed at extending the life of products, reducing the ecological footprint, and waste generation. Its design allows for easy replacement of light sources, which can be repaired and reconditioned, giving them a second life. This ensures that the operational cycle of luminaires is extended.

## **A SCALABLE SYSTEM**

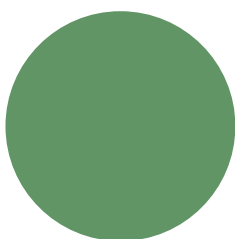
ELEMENT merges technology and aesthetics to present a contemporary visual language that allows for limitless architectural development in space, connecting outdoor and indoor spaces through light. It is a scalable system with multiple families of luminaires based on different design lines, functions, and types of installation, allowing the combination of elements to develop a customized installation.

## **PLUG & LIGHT**

ELEMENT stands out for its configuration, design, and composition simplicity, thanks to the Plug & Light quick connection system developed by Normagrup. This formula allows for the quick and easy exchange of Core LED light sources, in combination with a wide range of luminaires, adaptable to all types of scenes and architectural features.

## **A QUALITY LIGHT**

The Core technology allows combining multiple lighting characteristics under the same aesthetic, easily varying parameters such as colour temperature, colour fidelity, optics, or viewing angles. In addition, ELEMENT includes a version with CRI 98 (Colour Rendering Index) and reduced blueviolet light, associated with fatigue and visual stress, ensuring excellent light quality.



DRIVER

BODY

ANTI-GLARE



The ELEMENT system's connection system gives great flexibility when selecting the most suitable lighting for any setting. By combining modules, you can make over 10,000 unique combinations tailored to the specific needs of each setting. For enhanced customization and ease of selection, the system includes an online configurator available on our website

## LAMP HOLDERS

Available in three sizes (HN35, HN50 and HN110), these lamp holders make up the essential framework for connecting modules.

## LIGHT SOURCES

They provide a wide range of lighting options, including different aperture angles, colour temperatures and CRI (colour rendering index).

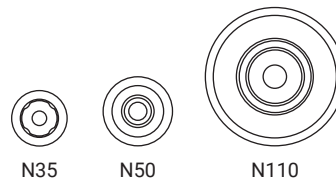
ELEMENT not only provides versatility, but is also the foundation of the concept of sustainability and circularity. Its modular design enables easy assembly, disassembly and reconfiguration, optimising resource utilisation and minimising environmental impact.



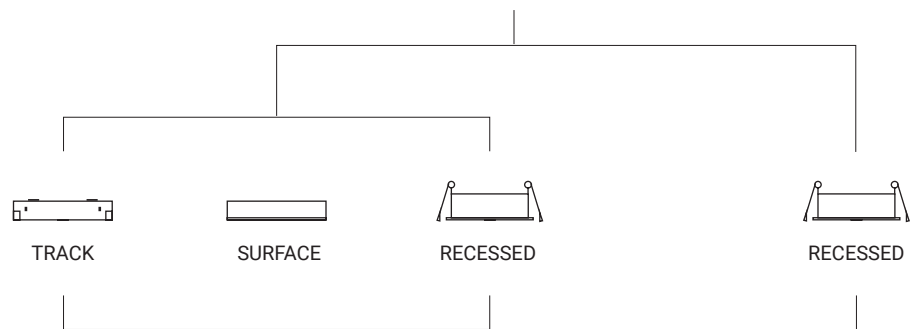
# THE ELEMENT SYSTEM

A customized composition of the space with multiple lighting configurations, designs and installation options.

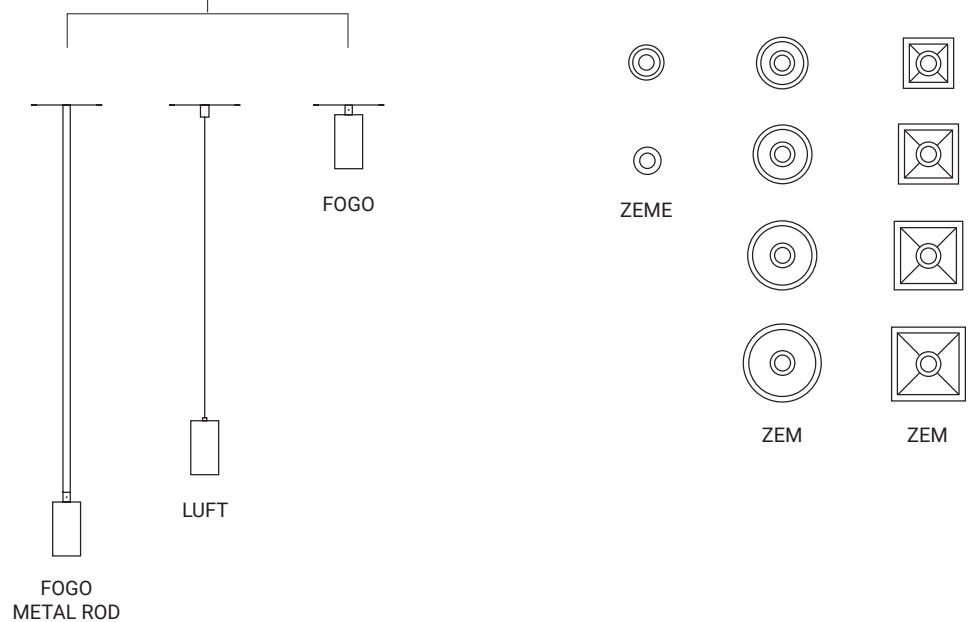
## LIGHT SOURCES



## INSTALLATION



## LUMINAIRES



LIGHT SOURCES

---

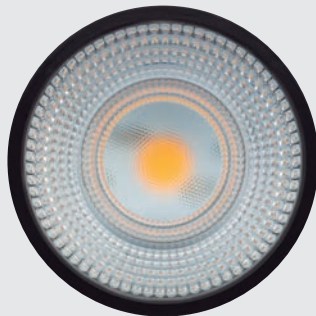
# CORE



CORE N35  
11



CORE N50  
12



CORE N110  
13



## LUMINAIRES

---



**FOGO**  
20



**ZEME**  
38



**FOGO METAL ROD**  
26



**ZEM**  
40



**LUFT**  
32

## ACCESSORIES

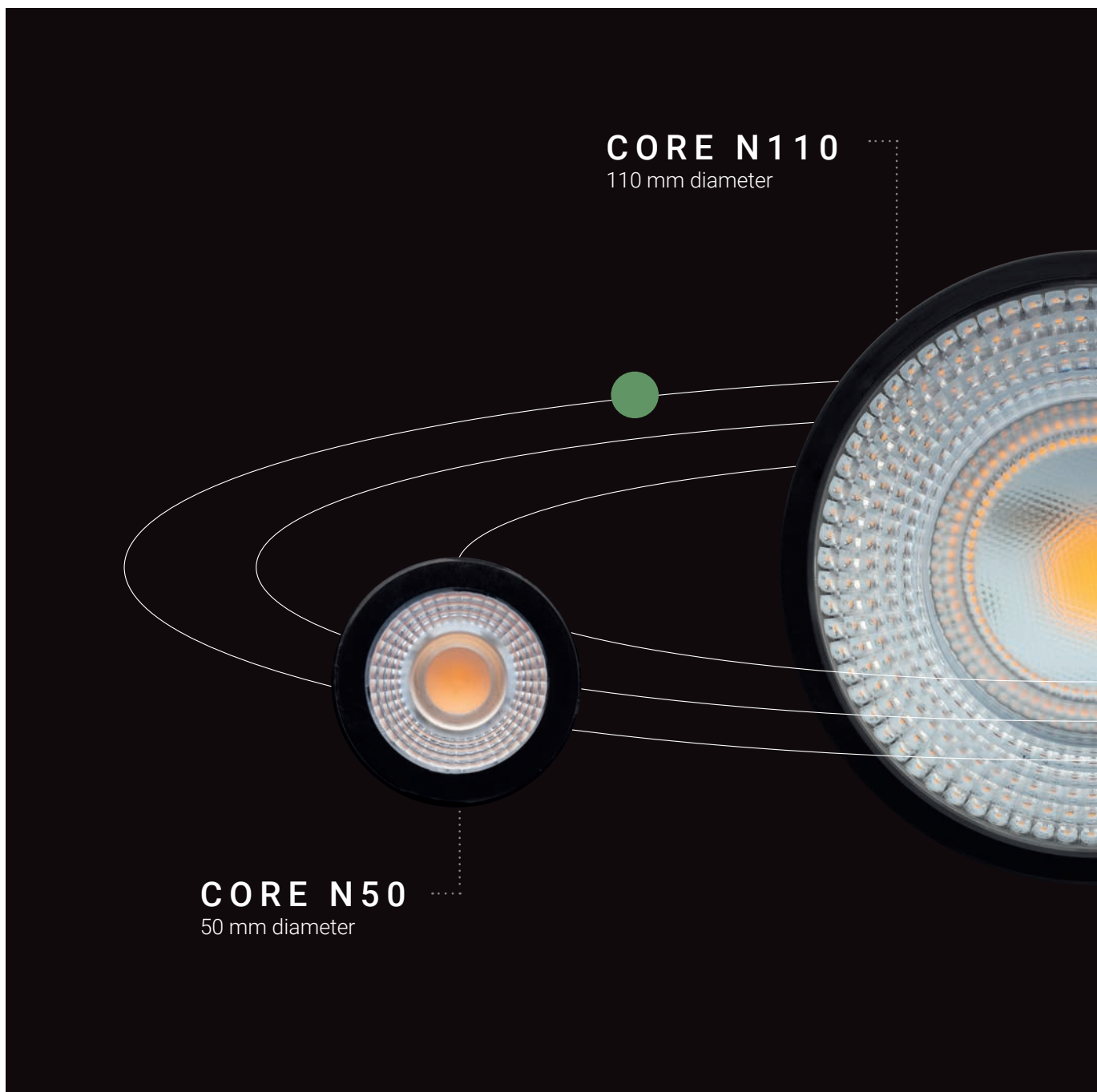
---

**RAIL**  
48

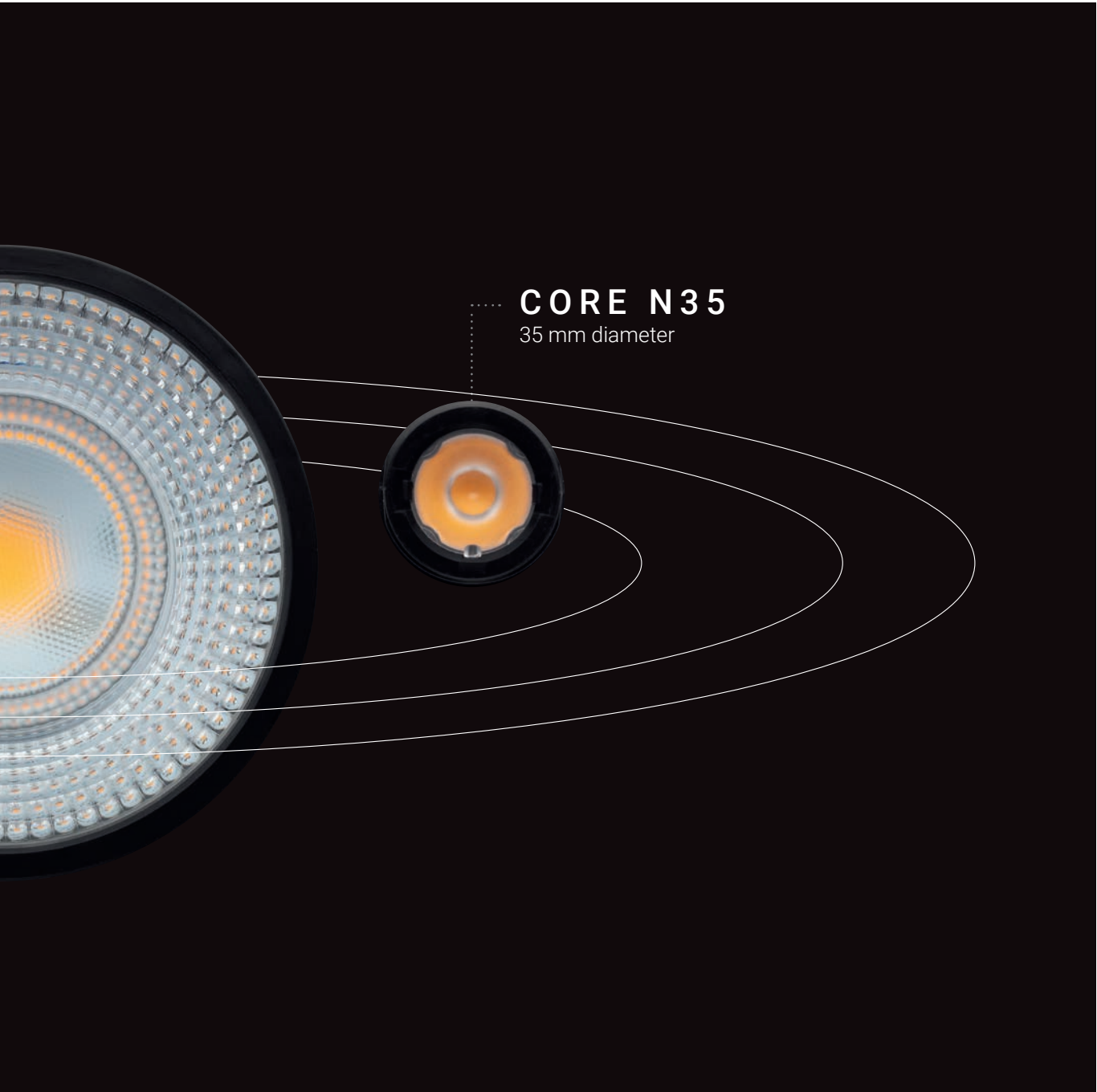
**RAIL MICRO**  
52

**DRIVERS**  
56

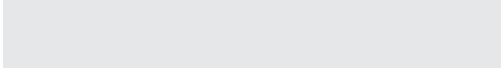
# LIGHT SOURCES







**CORE N35**  
35 mm diameter



# CORE



|                          | <b>CORE N35</b>    | <b>CORE N50</b>    | <b>CORE N110</b>   |
|--------------------------|--------------------|--------------------|--------------------|
| Diffuser                 | PMMA lens          | PMMA lens          | PMMA lens          |
| Light source             | LED                | LED                | LED                |
| Photobiological safety   | 1                  | 1                  | 1                  |
| CRI                      | 80-95              | 80-98              | 80-98              |
| MacAdam ellipse          | 3                  | 3                  | 3                  |
| Beam angle range         | 20   35            | 20   35   60       | 20   35   60       |
| Power range (W)          | 2,3                | 6,9                | 20,4               |
| Colour temperature (°K)  | 2700   3000   4000 | 2700   3000   4000 | 2700   3000   4000 |
| Light range              | 275-325            | 645-865            | 1910-3420          |
| Power factor             | 0,5                | 0,93               | 0,95   0,97        |
| Efficiency (%)           | 88                 | 83,5               | 86                 |
| Expectancy               | 108000h L80B10     | 66000h L80B10      | 66000h L80B10      |
| DALI option              | ✓                  | ✓                  | ✓                  |
| Continuous operation 24h | ✓                  | ✓                  | ✓                  |
| IP                       | 20                 | 20                 | 20                 |
| Class                    | III                | II                 | II                 |



# CORE N35

|                 |               | K    | REF.           |     | LUMEN  | W (máx.) |      |
|-----------------|---------------|------|----------------|-----|--------|----------|------|
| <b>CORE N35</b> | <b>CRI 80</b> | 2700 | <b>N35-82S</b> | 20° | 325 lm | 2,3 W    | 0,03 |
|                 |               |      | <b>N35-82M</b> | 35° | 325 lm | 2,3 W    | 0,03 |
|                 |               | 3000 | <b>N35-83S</b> | 20° | 340 lm | 2,3 W    | 0,03 |
|                 |               |      | <b>N35-83M</b> | 35° | 340 lm | 2,3 W    | 0,03 |
|                 |               | 4000 | <b>N35-84S</b> | 20° | 355 lm | 2,3 W    | 0,03 |
|                 |               |      | <b>N35-84M</b> | 35° | 355 lm | 2,3 W    | 0,03 |
|                 |               |      | <b>N35-92S</b> | 20° | 275 lm | 2,3 W    | 0,03 |
|                 | <b>CRI 95</b> |      | <b>N35-92M</b> | 35° | 275 lm | 2,3 W    | 0,03 |
|                 |               | 3000 | <b>N35-93S</b> | 20° | 290 lm | 2,3 W    | 0,03 |
|                 |               |      | <b>N35-93M</b> | 35° | 290 lm | 2,3 W    | 0,03 |
|                 |               | 4000 | <b>N35-94S</b> | 20° | 300 lm | 2,3 W    | 0,03 |
|                 |               |      | <b>N35-94M</b> | 35° | 300 lm | 2,3 W    | 0,03 |

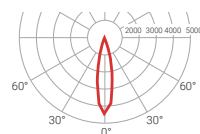
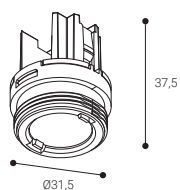
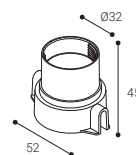
Photobiological safety

RG1+ **1** Low risk

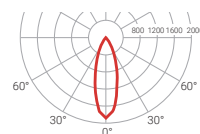
\* Time less than 3 h. staring at the light source

|                   | REF.           |  |
|-------------------|----------------|--|
| <b>ANTI-GLARE</b> | <b>N35-ADB</b> |  |
|                   | <b>N35-ADN</b> |  |
|                   | <b>N35-ADC</b> |  |
|                   | <b>N35-ADL</b> |  |
|                   | <b>N35-ADO</b> |  |
|                   | <b>N35-ADR</b> |  |

|                  | REF.          |
|------------------|---------------|
| <b>EXTRACTOR</b> | <b>N35-EX</b> |



— C0-C180  $\eta=88\%$   
— C90-C270



— C0-C180  $\eta=81\%$   
— C90-C270



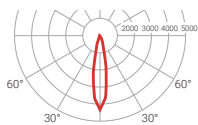
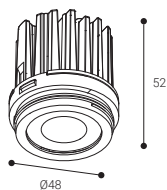


# CORE N50

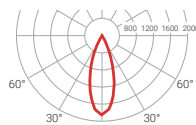
|                 |               | K              | REF.           |        | LUMEN  | W (máx.) |      |
|-----------------|---------------|----------------|----------------|--------|--------|----------|------|
| <b>CORE N50</b> | <b>CRI 80</b> | 2700           | <b>N50-82S</b> | 20°    | 810 lm | 6,9 W    | 0,09 |
|                 |               |                | <b>N50-82M</b> | 35°    | 810 lm | 6,9 W    | 0,09 |
|                 |               |                | <b>N50-82F</b> | 60°    | 810 lm | 6,9 W    | 0,09 |
|                 |               | 3000           | <b>N50-83S</b> | 20°    | 845 lm | 6,9 W    | 0,09 |
|                 |               |                | <b>N50-83M</b> | 35°    | 845 lm | 6,9 W    | 0,09 |
|                 |               |                | <b>N50-83F</b> | 60°    | 845 lm | 6,9 W    | 0,09 |
|                 | 4000          | <b>N50-84S</b> | 20°            | 865 lm | 6,9 W  | 0,09     |      |
|                 |               | <b>N50-84M</b> | 35°            | 865 lm | 6,9 W  | 0,09     |      |
|                 |               | <b>N50-84F</b> | 60°            | 865 lm | 6,9 W  | 0,09     |      |
|                 | <b>CRI 98</b> | 2700           | <b>N50-92S</b> | 20°    | 645 lm | 6,9 W    | 0,09 |
|                 |               |                | <b>N50-92M</b> | 35°    | 645 lm | 6,9 W    | 0,09 |
|                 |               |                | <b>N50-92F</b> | 60°    | 645 lm | 6,9 W    | 0,09 |
| 3000            |               | <b>N50-93S</b> | 20°            | 680 lm | 6,9 W  | 0,09     |      |
|                 |               | <b>N50-93M</b> | 35°            | 680 lm | 6,9 W  | 0,09     |      |
|                 |               | <b>N50-93F</b> | 60°            | 680 lm | 6,9 W  | 0,09     |      |
| 4000            |               | <b>N50-94S</b> | 20°            | 745 lm | 6,9 W  | 0,09     |      |
|                 |               | <b>N50-94M</b> | 35°            | 745 lm | 6,9 W  | 0,09     |      |
|                 |               | <b>N50-94F</b> | 60°            | 745 lm | 6,9 W  | 0,09     |      |

|                   | REF.           |  |
|-------------------|----------------|--|
| <b>ANTI-GLARE</b> | <b>N50-ADB</b> |  |
|                   | <b>N50-ADN</b> |  |
|                   | <b>N50-ADC</b> |  |
|                   | <b>N50-ADL</b> |  |
|                   | <b>N50-ADO</b> |  |
|                   | <b>N50-ADR</b> |  |

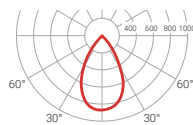
|                  | REF.          |
|------------------|---------------|
| <b>EXTRACTOR</b> | <b>N50-EX</b> |



CO-C180 C90-C270  $\eta=79\%$



CO-C180 C90-C270  $\eta=77\%$



CO-C180 C90-C270  $\eta=84\%$

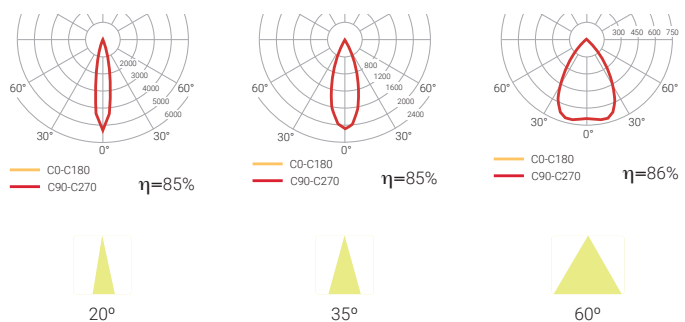
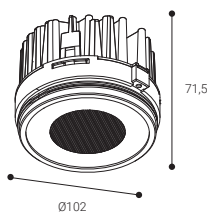
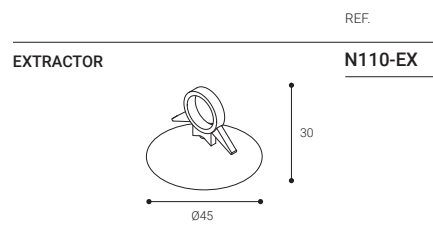




# CORE N110

|                  |               | K               | REF.            |         | LUMEN   | W (máx.) |      |
|------------------|---------------|-----------------|-----------------|---------|---------|----------|------|
| <b>CORE N110</b> | <b>CRI 80</b> | 2700            | <b>N110-82S</b> | 20°     | 3045 lm | 20,4 W   | 0,53 |
|                  |               |                 | <b>N110-82M</b> | 35°     | 3045 lm | 20,4 W   | 0,53 |
|                  |               |                 | <b>N110-82F</b> | 60°     | 3045 lm | 20,4 W   | 0,53 |
|                  |               | 3000            | <b>N110-83S</b> | 20°     | 3180 lm | 20,4 W   | 0,53 |
|                  |               |                 | <b>N110-83M</b> | 35°     | 3180 lm | 20,4 W   | 0,53 |
|                  |               |                 | <b>N110-83F</b> | 60°     | 3180 lm | 20,4 W   | 0,53 |
|                  | 4000          | <b>N110-84S</b> | 20°             | 3420 lm | 20,4 W  | 0,53     |      |
|                  |               | <b>N110-84M</b> | 35°             | 3420 lm | 20,4 W  | 0,53     |      |
|                  |               | <b>N110-84F</b> | 60°             | 3420 lm | 20,4 W  | 0,53     |      |
|                  | <b>CRI 98</b> | 2700            | <b>N110-92S</b> | 20°     | 1910 lm | 20,4 W   | 0,53 |
|                  |               |                 | <b>N110-92M</b> | 35°     | 1910 lm | 20,4 W   | 0,53 |
|                  |               |                 | <b>N110-92F</b> | 60°     | 1910 lm | 20,4 W   | 0,53 |
| 3000             |               | <b>N110-93S</b> | 20°             | 2020 lm | 20,4 W  | 0,53     |      |
|                  |               | <b>N110-93M</b> | 35°             | 2020 lm | 20,4 W  | 0,53     |      |
|                  |               | <b>N110-93F</b> | 60°             | 2020 lm | 20,4 W  | 0,53     |      |
| 4000             |               | <b>N110-94S</b> | 20°             | 2220 lm | 20,4 W  | 0,53     |      |
|                  |               | <b>N110-94M</b> | 35°             | 2220 lm | 20,4 W  | 0,53     |      |
|                  |               | <b>N110-94F</b> | 60°             | 2200 lm | 20,4 W  | 0,53     |      |

|                   | REF.            |  |
|-------------------|-----------------|--|
| <b>ANTI-GLARE</b> | <b>N110-ADB</b> |  |
|                   | <b>N110-ADN</b> |  |
|                   | <b>N110-ADC</b> |  |
|                   | <b>N110-ADL</b> |  |
|                   | <b>N110-ADO</b> |  |
|                   | <b>N110-ADR</b> |  |



# LUMINAIRES







# COLOURS

Element comes in six nature-inspired colours to customise your surroundings.

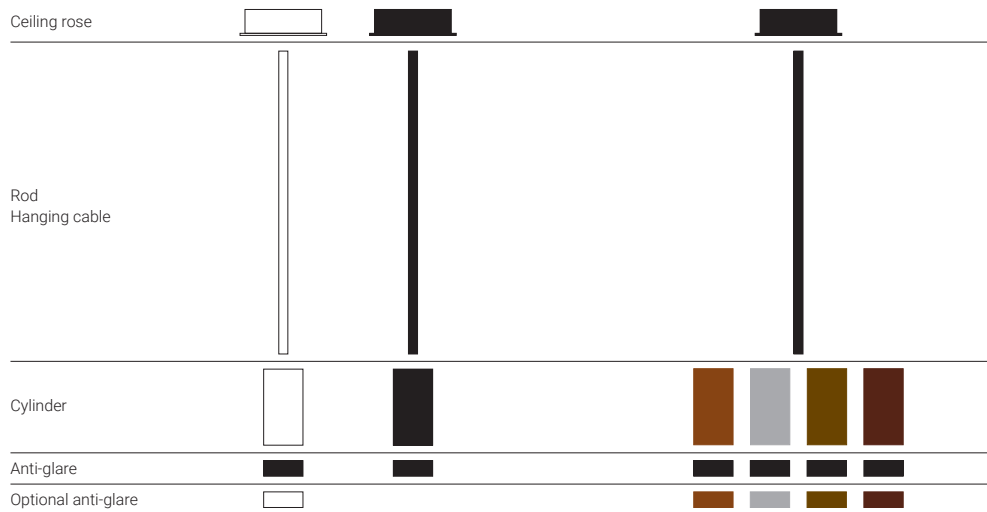
**Spatial colours**  
Cool tones

- Astral White
- Black Galaxy
- Moon Grey

**Natural colours**  
Warm tones

- Red Maple
- Golden Poplar
- Brown Oak

## COLOUR DESIGNER



Normagrup  
**360** | Other finishes  
consult













# FOGO



FOCX-3

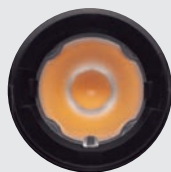
Colour code

Standard colours



Range of colours available

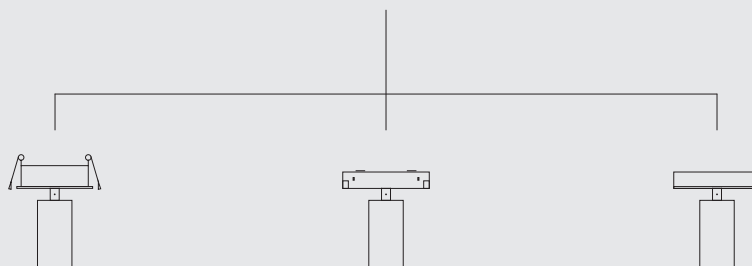




CORE N35



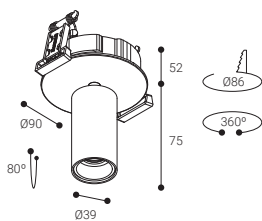
FOGO






CEILING RECESSED MOUNTED

ELECTRIFIED TRACK  
24 Vdc

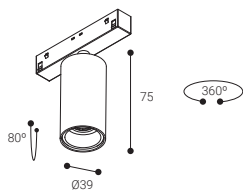
SURFACE CEILING MOUNTED



IP 20

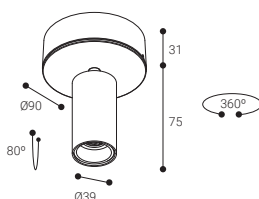
|                          | REF.      |  | W     |  |  |
|--------------------------|-----------|---|-------|---|---|
| CEILING RECESSED MOUNTED | FORB-3DC* | 24 Vdc  | 2,3 W | ○   | 0,17  |
|                          | FORB-3    | 230 Vac   | 2,3 W | ○   | 0,21  |

\* 24Vdc power supply not included




|                   |           |        |       |   |      |
|-------------------|-----------|--------|-------|---|------|
| ELECTRIFIED TRACK | FOCB-3DC* | 24 Vdc | 2,3 W | ○ | 0,01 |
|-------------------|-----------|--------|-------|---|------|

\* 24Vdc power supply not included



|                         |           |         |       |   |      |
|-------------------------|-----------|---------|-------|---|------|
| SURFACE CEILING MOUNTED | FOSB-3DC* | 24 Vdc  | 2,3 W | ○ | 0,18 |
|                         | FOSB-3    | 230 Vac | 2,3 W | ○ | 0,23 |

\* 24Vdc power supply not included

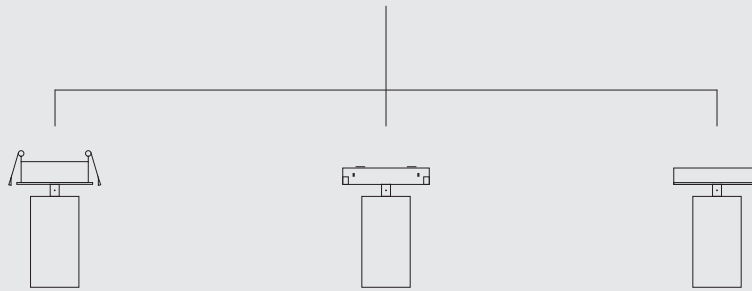
 Add reference  
 CORE N35



CORE N50



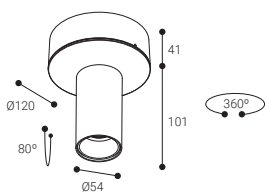
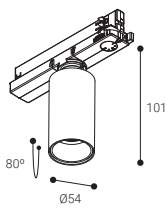
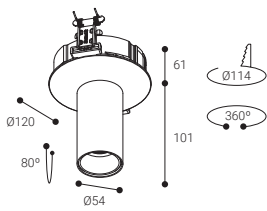
FOGO




CEILING RECESSED MOUNTED


ELECTRIFIED TRACK  
230 Vac


SURFACE CEILING MOUNTED



IP 20

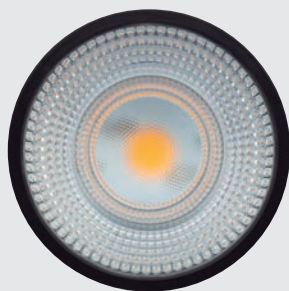
|                          | REF.  | ⚡       | W     | 📐 | 🏠    |
|--------------------------|---|---------|-------|---|------|
| CEILING RECESSED MOUNTED | <b>FORB-52</b>  | 230 Vac | 6,9 W | ○ | 0,24 |
|                          |  <b>FORDB-52</b> | 230 Vac | 6,9 W | ○ | 0,24 |

|                   |   |         |       |   |      |
|-------------------|---|---------|-------|---|------|
| ELECTRIFIED TRACK | <b>FOCB-52</b>  | 230 Vac | 6,9 W | ○ | 0,28 |
|                   |  <b>FOCDB-52</b> | 230 Vac | 6,9 W | ○ | 0,28 |

|                         |   |         |       |   |      |
|-------------------------|---|---------|-------|---|------|
| SURFACE CEILING MOUNTED | <b>FOSB-52</b>  | 230 Vac | 6,9 W | ○ | 0,22 |
|                         |  <b>FOSDB-52</b> | 230 Vac | 6,9 W | ○ | 0,22 |

+

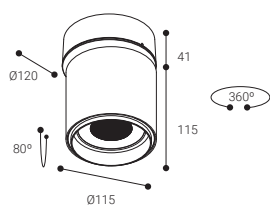
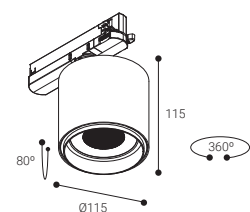
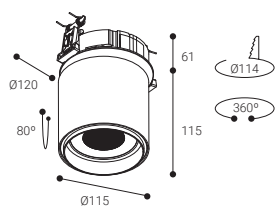
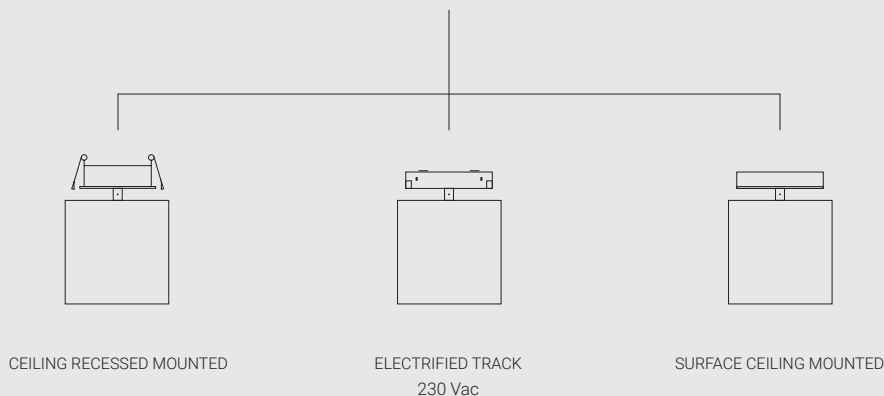
Add reference CORE N50





CORE N110







FOGO



IP 20

|                          | REF.   | ⚡       | W      | 📐 | 🏠    |
|--------------------------|--|---------|--------|---|------|
| CEILING RECESSED MOUNTED | FORB-13  | 230 Vac | 11,8 W | ○ | 0,48 |
|                          | FORB-16  | 230 Vac | 20,4 W | ○ | 0,48 |
|                          |  FORDB-13 | 230 Vac | 11,8 W | ○ | 0,48 |
|                          |  FORDB-16 | 230 Vac | 20,4 W | ○ | 0,48 |

|                   |  |         |        |   |      |
|-------------------|--|---------|--------|---|------|
| ELECTRIFIED TRACK | FOCB-13  | 230 Vac | 11,8 W | ○ | 0,58 |
|                   | FOCB-16  | 230 Vac | 20,4 W | ○ | 0,58 |
|                   |  FOCDB-13 | 230 Vac | 11,8 W | ○ | 0,58 |
|                   |  FOCDB-16 | 230 Vac | 20,4 W | ○ | 0,58 |

|                         |  |         |        |   |      |
|-------------------------|--|---------|--------|---|------|
| SURFACE CEILING MOUNTED | FOSB-13  | 230 Vac | 11,8 W | ○ | 0,50 |
|                         | FOSB-16  | 230 Vac | 20,4 W | ○ | 0,50 |
|                         |  FOSDB-13 | 230 Vac | 11,8 W | ○ | 0,50 |
|                         |  FOSDB-16 | 230 Vac | 20,4 W | ○ | 0,50 |

+ Add reference CORE N110







# FOGO METAL ROD



FOCX-3

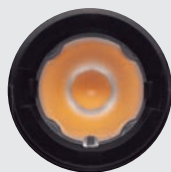
Colour code

Standard colours



Range of colours available

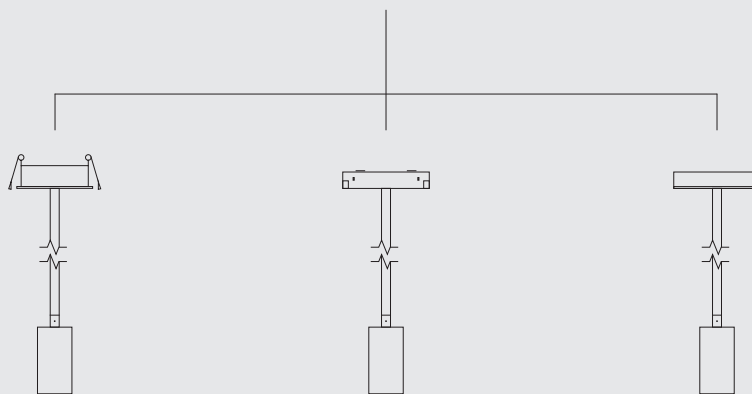




CORE N35



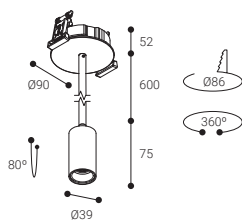
FOGO METAL ROD



CEILING RECESSED MOUNTED

ELECTRIFIED TRACK  
24 Vdc

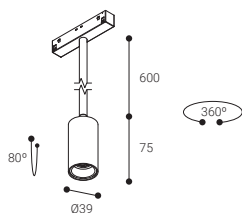
SURFACE CEILING MOUNTED



IP 20

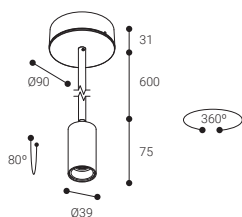
|                          | REF.      | ⚡       | W     | 📐 | 📦    |
|--------------------------|-----------|---------|-------|---|------|
| CEILING RECESSED MOUNTED | FMRB-3DC* | 24 Vdc  | 2,3 W | ○ | 0,36 |
|                          | FMRB-3    | 230 Vac | 2,3 W | ○ | 0,40 |

\* 24Vdc power supply not included



|                   |           |        |       |   |      |
|-------------------|-----------|--------|-------|---|------|
| ELECTRIFIED TRACK | FMCB-3DC* | 24 Vdc | 2,3 W | ○ | 0,28 |
|-------------------|-----------|--------|-------|---|------|

\* 24Vdc power supply not included



|                         |           |         |       |   |      |
|-------------------------|-----------|---------|-------|---|------|
| SURFACE CEILING MOUNTED | FMSB-3DC* | 24 Vdc  | 2,3 W | ○ | 0,37 |
|                         | FMSB-3    | 230 Vac | 2,3 W | ○ | 0,42 |

\* 24Vdc power supply not included

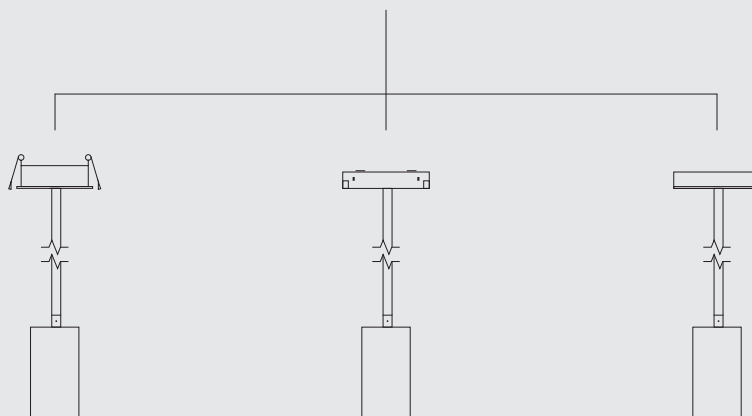
⊕ Add reference CORE N35



CORE N50



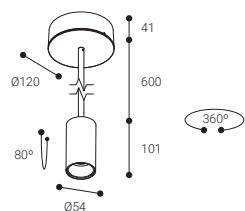
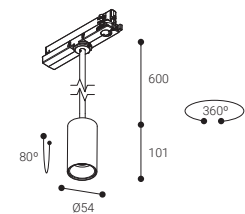
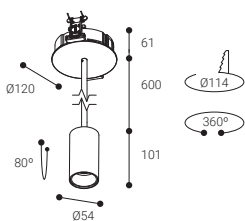
FOGO METAL ROD



CEILING RECESSED MOUNTED

ELECTRIFIED TRACK  
230 Vac

SURFACE CEILING MOUNTED



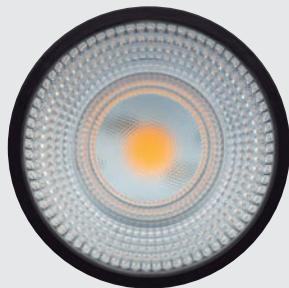
IP 20

|                          | REF.     | ⚡       | W     | 📐 | 🏠    |
|--------------------------|----------|---------|-------|---|------|
| CEILING RECESSED MOUNTED | FMRB-52  | 230 Vac | 6,9 W | ○ | 0,42 |
|                          | FMRDB-52 | 230 Vac | 6,9 W | ○ | 0,42 |

|                   |          |         |       |   |      |
|-------------------|----------|---------|-------|---|------|
| ELECTRIFIED TRACK | FMCB-52  | 230 Vac | 6,9 W | ○ | 0,47 |
|                   | FMADB-52 | 230 Vac | 6,9 W | ○ | 0,47 |

|                         |          |         |       |   |      |
|-------------------------|----------|---------|-------|---|------|
| SURFACE CEILING MOUNTED | FMSB-52  | 230 Vac | 6,9 W | ○ | 0,43 |
|                         | FMSDB-52 | 230 Vac | 6,9 W | ○ | 0,43 |

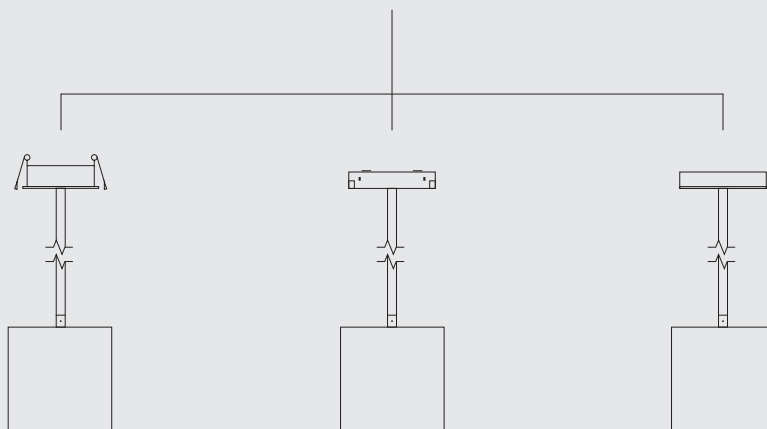
⊕ Add reference CORE N50



CORE N110



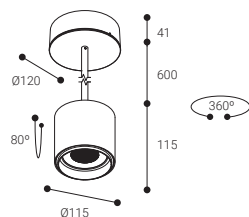
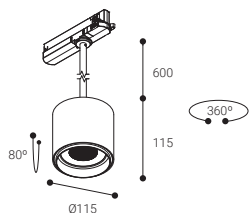
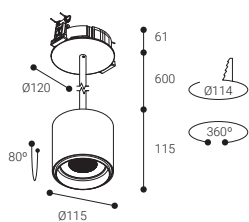
FOGO METAL ROD





CEILING RECESSED MOUNTED



ELECTRIFIED TRACK  
230 Vac



SURFACE CEILING MOUNTED



IP 20

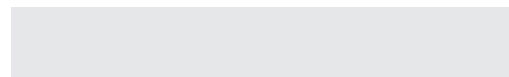
|                          | REF.   | ⚡       | W      | 📐 | 🏠    |
|--------------------------|--|---------|--------|---|------|
| CEILING RECESSED MOUNTED | FMRB-13  | 230 Vac | 11,8 W | ○ | 0,80 |
|                          | FMRB-16  | 230 Vac | 20,4 W | ○ | 0,80 |
|                          |  FMRDB-13 | 230 Vac | 11,8 W | ○ | 0,80 |
|                          |  FMRDB-16 | 230 Vac | 20,4 W | ○ | 0,80 |

|                   |  |         |        |   |      |
|-------------------|--|---------|--------|---|------|
| ELECTRIFIED TRACK | FMCB-13  | 230 Vac | 11,8 W | ○ | 0,77 |
|                   | FMCB-16  | 230 Vac | 20,4 W | ○ | 0,77 |
|                   |  FMCDB-13 | 230 Vac | 11,8 W | ○ | 0,77 |
|                   |  FMCDB-16 | 230 Vac | 20,4 W | ○ | 0,77 |

|                         |  |         |        |   |      |
|-------------------------|--|---------|--------|---|------|
| SURFACE CEILING MOUNTED | FMSB-13  | 230 Vac | 11,8 W | ○ | 0,80 |
|                         | FMSB-16  | 230 Vac | 20,4 W | ○ | 0,80 |
|                         |  FMSDB-13 | 230 Vac | 11,8 W | ○ | 0,80 |
|                         |  FMSDB-16 | 230 Vac | 20,4 W | ○ | 0,80 |

+ Add reference CORE N110

ELEMENT





# LUFT



FOCX-3

Standard colours

Range of colours available

Colour code



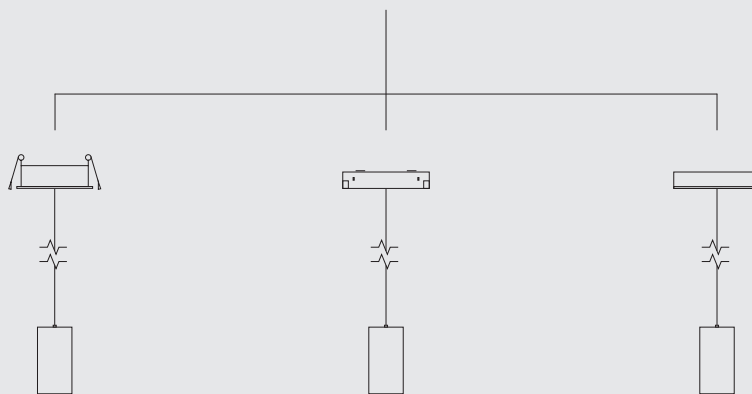




CORE N35



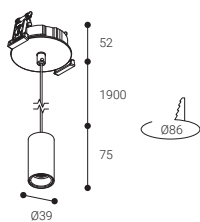
LUFT



CEILING RECESSED MOUNTED

ELECTRIFIED TRACK  
24 Vdc

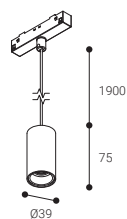
SURFACE CEILING MOUNTED



IP 20

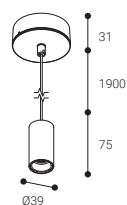
|                          | REF.      | ⚡       | W     | 📐 | 📦    |
|--------------------------|-----------|---------|-------|---|------|
| CEILING RECESSED MOUNTED | LURB-3DC* | 24 Vdc  | 2,3 W | ○ | 0,23 |
|                          | LURB-3    | 230 Vac | 2,3 W | ○ | 0,28 |

\* 24Vdc power supply not included



|                   |           |        |       |   |      |
|-------------------|-----------|--------|-------|---|------|
| ELECTRIFIED TRACK | LUCB-3DC* | 24 Vdc | 2,3 W | ○ | 0,14 |
|-------------------|-----------|--------|-------|---|------|

\* 24Vdc power supply not included



|                         |           |         |       |   |      |
|-------------------------|-----------|---------|-------|---|------|
| SURFACE CEILING MOUNTED | LUSB-3DC* | 24 Vdc  | 2,3 W | ○ | 0,23 |
|                         | LUSB-3    | 230 Vac | 2,3 W | ○ | 0,28 |

\* 24Vdc power supply not included

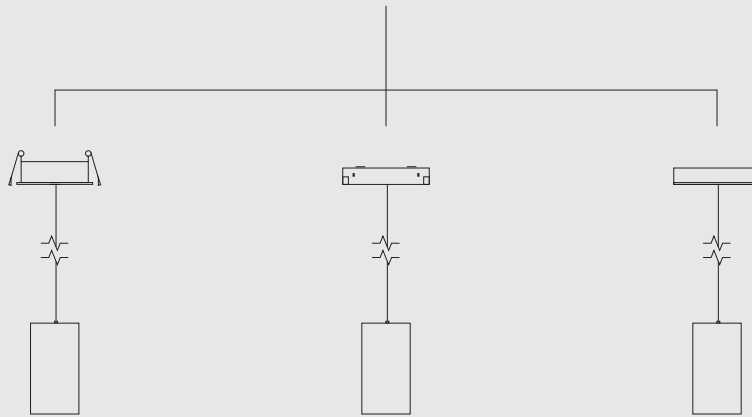
⊕ Add reference CORE N35



CORE N50



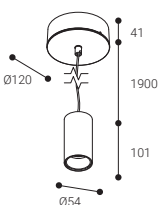
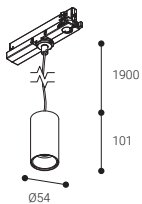
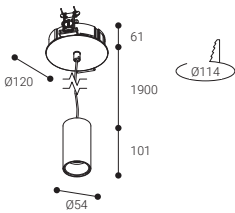
LUFT



CEILING RECESSED MOUNTED

ELECTRIFIED TRACK  
230 Vac

SURFACE CEILING MOUNTED



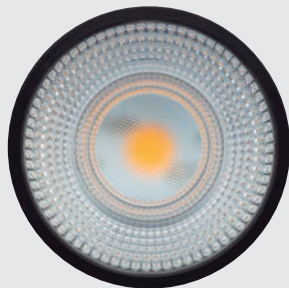
IP 20

|                          | REF.     | ⚡       | W     | 🌀 | 🏠    |
|--------------------------|----------|---------|-------|---|------|
| CEILING RECESSED MOUNTED | LURB-52  | 230 Vac | 6,9 W | ○ | 0,29 |
|                          | LURDB-52 | 230 Vac | 6,9 W | ○ | 0,29 |

|                   |          |         |       |   |      |
|-------------------|----------|---------|-------|---|------|
| ELECTRIFIED TRACK | LUCB-52  | 230 Vac | 6,9 W | ○ | 0,36 |
|                   | LUCDB-52 | 230 Vac | 6,9 W | ○ | 0,36 |

|                         |          |         |       |   |      |
|-------------------------|----------|---------|-------|---|------|
| SURFACE CEILING MOUNTED | LUSB-52  | 230 Vac | 6,9 W | ○ | 0,29 |
|                         | LUSDB-52 | 230 Vac | 6,9 W | ○ | 0,29 |

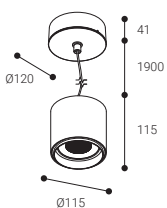
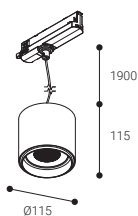
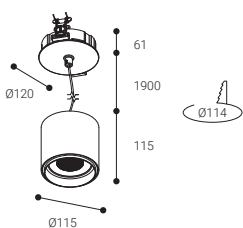
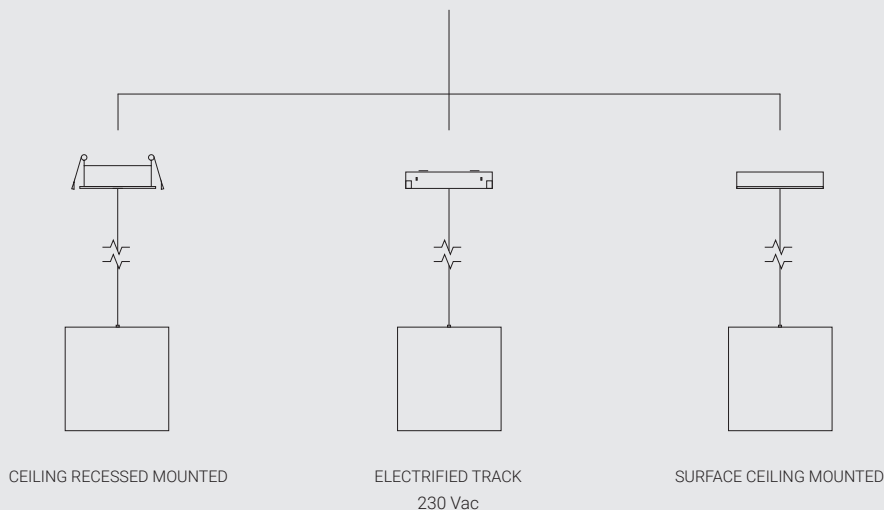
Add  
reference  
CORE N50





CORE N110







LUFT



IP 20

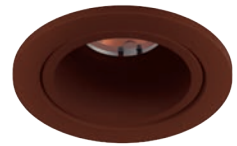
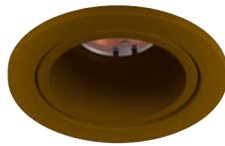
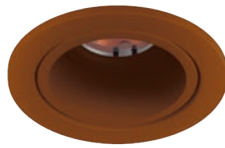
|                          | REF.   | ⚡       | W      | 📐 | 🏠    |
|--------------------------|--|---------|--------|---|------|
| CEILING RECESSED MOUNTED | LURB-13  | 230 Vac | 11,8 W | ○ | 0,53 |
|                          | LURB-16  | 230 Vac | 20,4 W | ○ | 0,53 |
|                          |  LURDB-13 | 230 Vac | 11,8 W | ○ | 0,53 |
|                          |  LURDB-16 | 230 Vac | 20,4 W | ○ | 0,53 |

|                   |  |         |        |   |      |
|-------------------|--|---------|--------|---|------|
| ELECTRIFIED TRACK | LUCB-13  | 230 Vac | 11,8 W | ○ | 0,58 |
|                   | LUCB-16  | 230 Vac | 20,4 W | ○ | 0,58 |
|                   |  LUCDB-13 | 230 Vac | 11,8 W | ○ | 0,58 |
|                   |  LUCDB-16 | 230 Vac | 20,4 W | ○ | 0,58 |

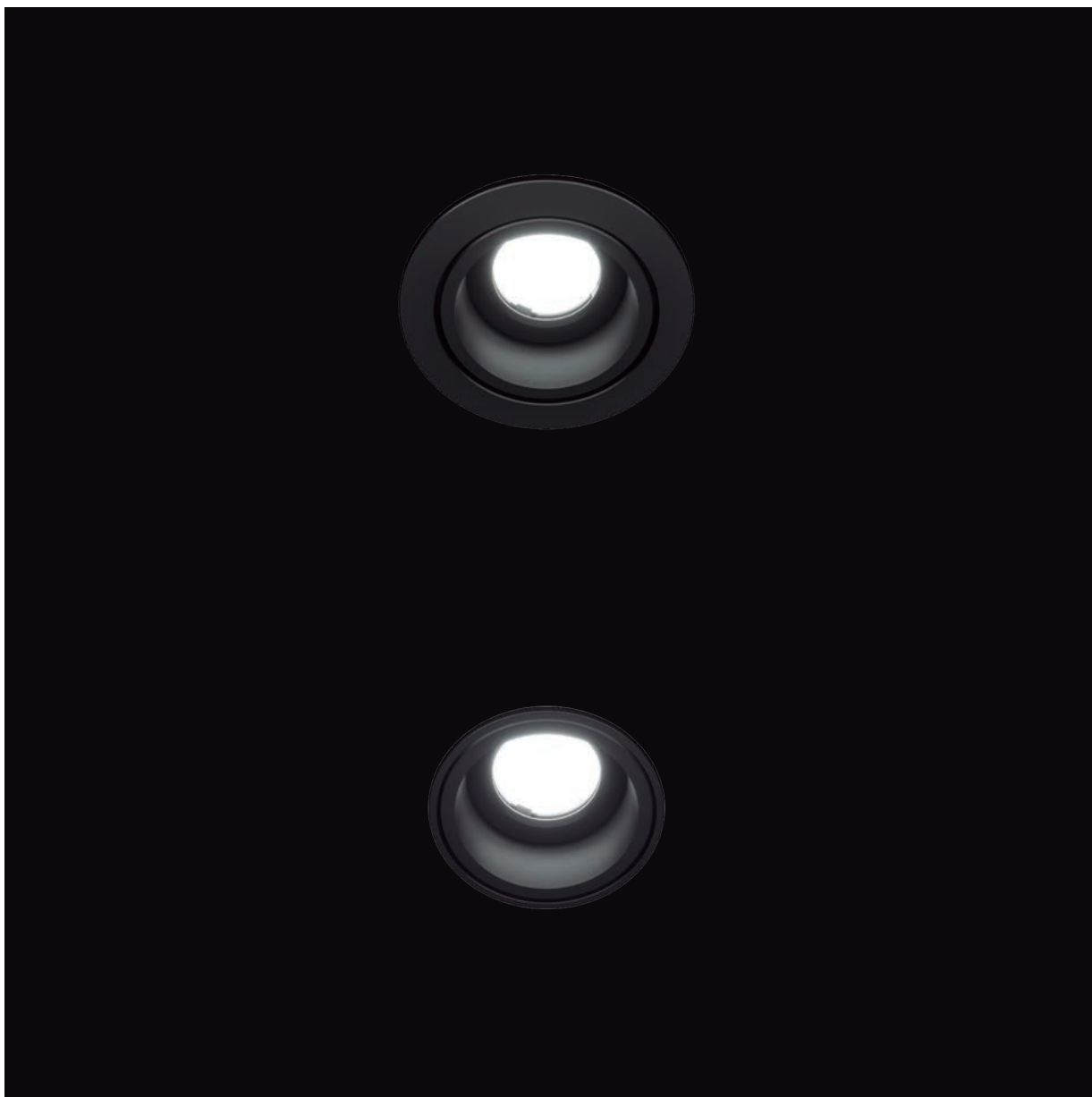
|                         |  |         |        |   |      |
|-------------------------|--|---------|--------|---|------|
| SURFACE CEILING MOUNTED | LUSB-13  | 230 Vac | 11,8 W | ○ | 0,50 |
|                         | LUSB-16  | 230 Vac | 20,4 W | ○ | 0,50 |
|                         |  LUSDB-13 | 230 Vac | 11,8 W | ○ | 0,50 |
|                         |  LUSDB-16 | 230 Vac | 20,4 W | ○ | 0,50 |

+ Add reference CORE N110





# ZEME



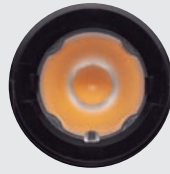
FOCX-3

Standard colours

Range of colours available

Colour code





CORE N35



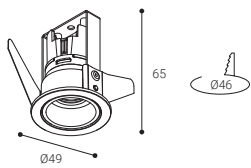
ZEME






CEILING RECESSED MOUNTED



TRIMLESS

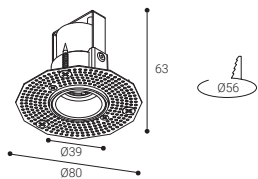


IP 20

|                          | REF.     |  | W     |  |  |
|--------------------------|----------|---|-------|---|---|
| CEILING RECESSED MOUNTED | ZEB-3DC* | 24 Vdc  | 2,3 W | ○   | 0,05  |


\* 24Vdc power supply not included

Colours | Standard ○ ● | Range of colours available ● ● ● ● Additional charge, please inquire

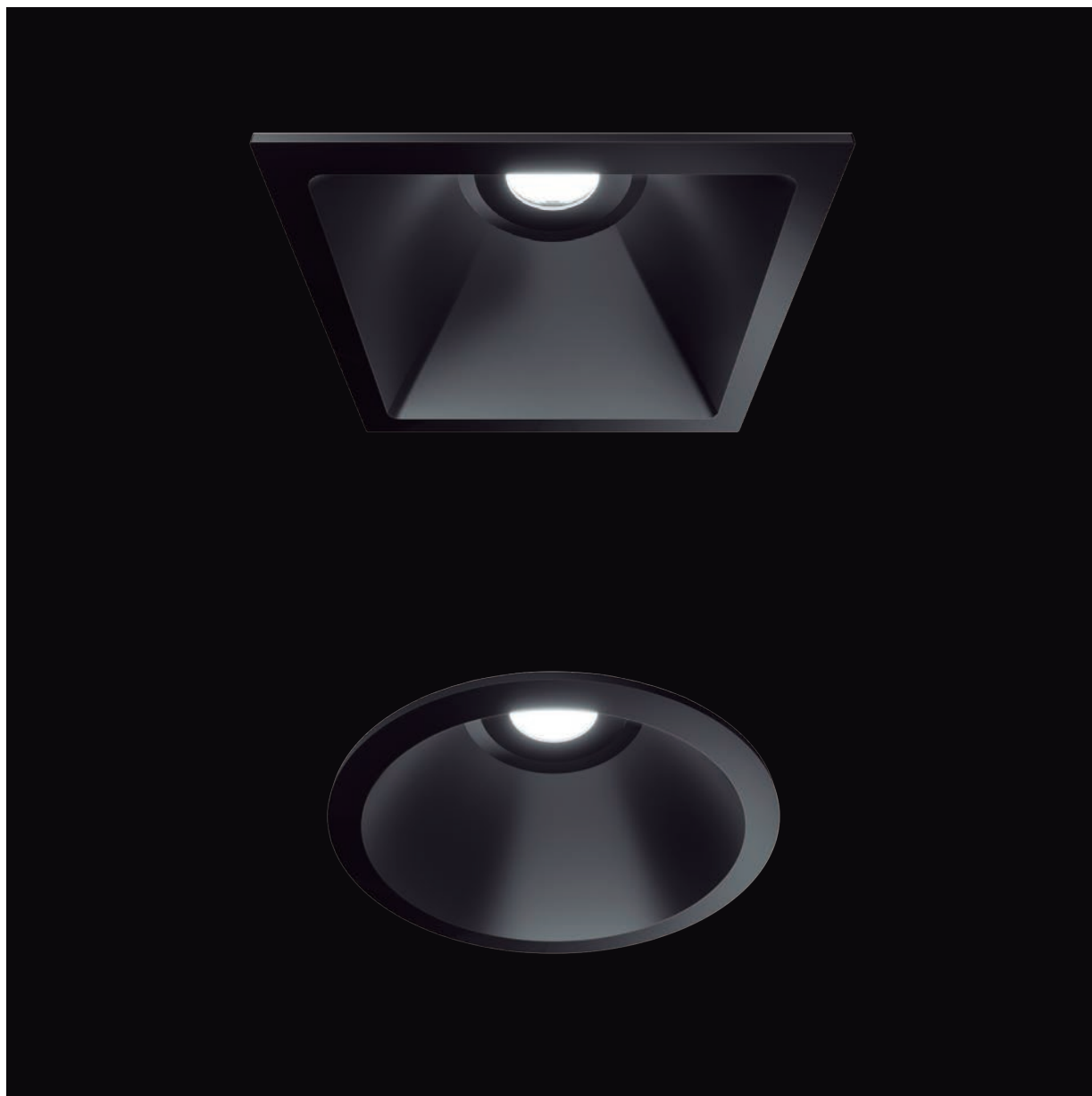


|          |         |        |       |   |      |
|----------|---------|--------|-------|---|------|
| TRIMLESS | ZT-3DC* | 24 Vdc | 2,3 W | ○ | 0,14 |
|----------|---------|--------|-------|---|------|

\* 24Vdc power supply not included

 Add reference CORE N35

# ZEM



FOCX-3

Standard colours

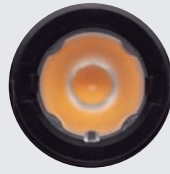
Range of colours available

LED CE ENEC

Colour code



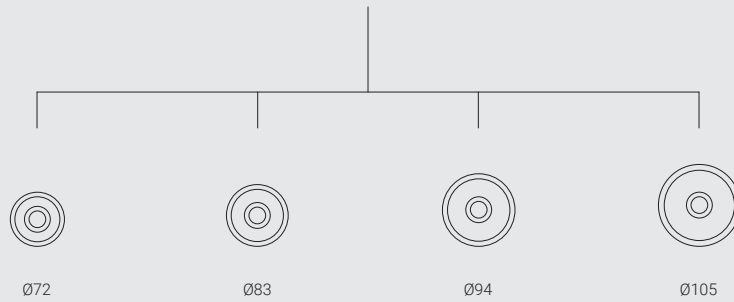




CORE N35



ZEM



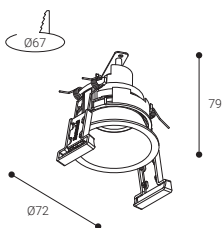
IP 20

|                          | REF.        | ⚡      | W     | 📐 | 🏠    |
|--------------------------|-------------|--------|-------|---|------|
| CEILING RECESSED MOUNTED | ZR72B-3DC*  | 24 Vdc | 2,3 W | ○ | 0,05 |
|                          | ZR83B-3DC*  | 24 Vdc | 2,3 W | ○ | 0,06 |
|                          | ZR94B-3DC*  | 24 Vdc | 2,3 W | ○ | 0,07 |
|                          | ZR105B-3DC* | 24 Vdc | 2,3 W | ○ | 0,08 |

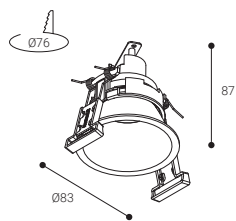
⊕ Add reference CORE N35

\* 24Vdc power supply not included

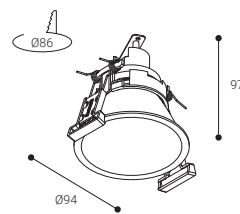
ZR72



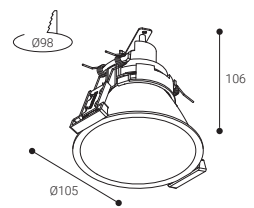
ZR83

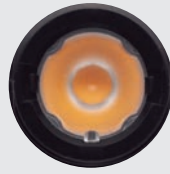


ZR94



ZR105

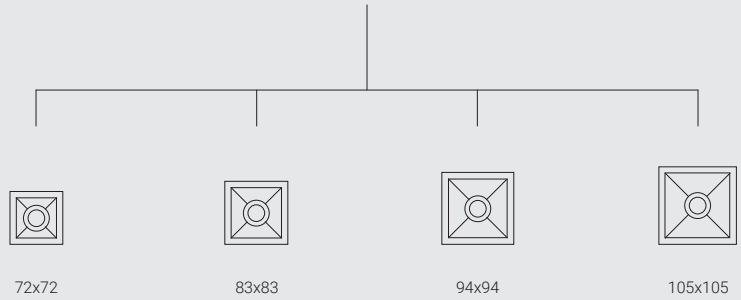




CORE N35



ZEM

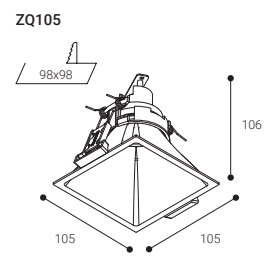
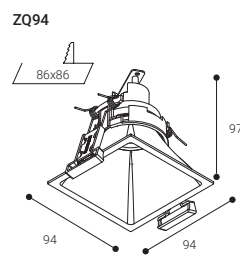
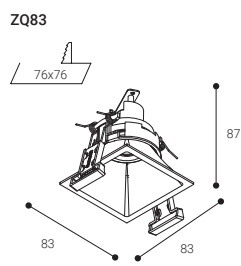
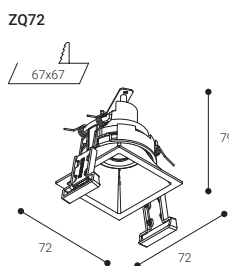


IP 20

|                          | REF.        | ⚡      | W     | 📐 | 🏠    |
|--------------------------|-------------|--------|-------|---|------|
| CEILING RECESSED MOUNTED | ZQ72B-3DC*  | 24 Vdc | 2,3 W | ○ | 0,05 |
|                          | ZQ83B-3DC*  | 24 Vdc | 2,3 W | ○ | 0,06 |
|                          | ZQ94B-3DC*  | 24 Vdc | 2,3 W | ○ | 0,07 |
|                          | ZQ105B-3DC* | 24 Vdc | 2,3 W | ○ | 0,08 |

⊕  
Add reference  
CORE N35

\* 24Vdc power supply not included

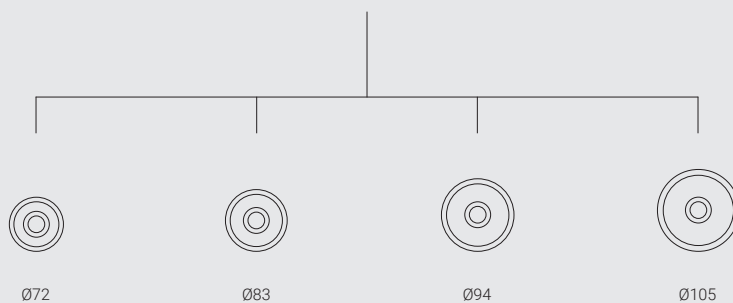





CORE N50



ZEM

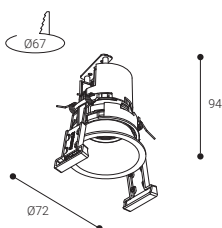


IP 20

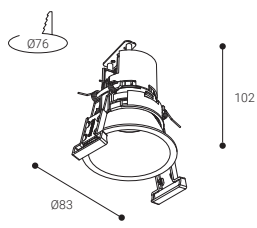
|                          | REF.  | ⚡       | W     | 📐 | 🏠    |
|--------------------------|---|---------|-------|---|------|
| CEILING RECESSED MOUNTED | ZR72B-52  | 230 Vac | 6,9 W | ○ | 0,09 |
|                          | ZR83B-52  | 230 Vac | 6,9 W | ○ | 0,10 |
|                          | ZR94B-52  | 230 Vac | 6,9 W | ○ | 0,12 |
|                          | ZR105B-52   | 230 Vac | 6,9 W | ○ | 0,12 |
|                          | ZR72DB-52   | 230 Vac | 6,9 W | ○ | 0,14 |
|                          | ZR83DB-52   | 230 Vac | 6,9 W | ○ | 0,15 |
|                          |  ZR94DB-52 | 230 Vac | 6,9 W | ○ | 0,17 |
|                          | ZR105DB-52  | 230 Vac | 6,9 W | ○ | 0,17 |

+ Add reference CORE N50

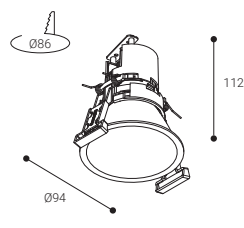
ZR72



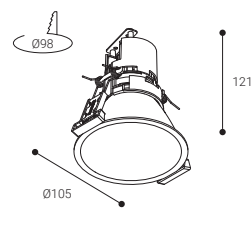
ZR83



ZR94



ZR105

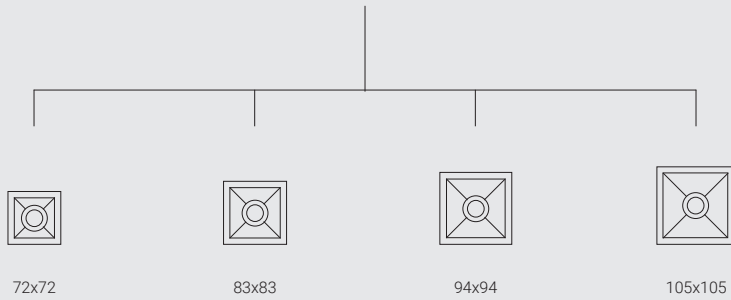




CORE N50



ZEM



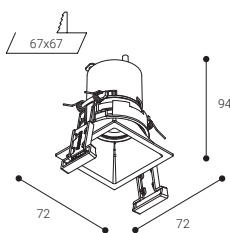
IP 20

|                          | REF.       | ⚡       | W     | 📏 | 🔧    |
|--------------------------|------------|---------|-------|---|------|
| CEILING RECESSED MOUNTED | ZQ72B-52   | 230 Vac | 6,9 W | ○ | 0,12 |
|                          | ZQ83B-52   | 230 Vac | 6,9 W | ○ | 0,14 |
|                          | ZQ94B-52   | 230 Vac | 6,9 W | ○ | 0,15 |
|                          | ZQ105B-52  | 230 Vac | 6,9 W | ○ | 0,15 |
|                          | ZQ72DB-52  | 230 Vac | 6,9 W | ○ | 0,17 |
|                          | ZQ83DB-52  | 230 Vac | 6,9 W | ○ | 0,17 |
|                          | ZQ94DB-52  | 230 Vac | 6,9 W | ○ | 0,19 |
|                          | ZQ105DB-52 | 230 Vac | 6,9 W | ○ | 0,20 |

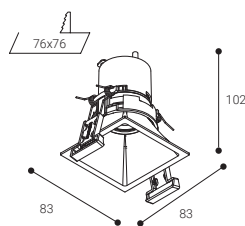


+ Add reference CORE N50

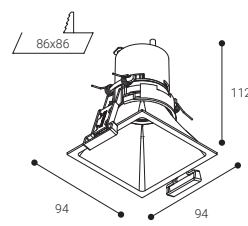
ZQ72



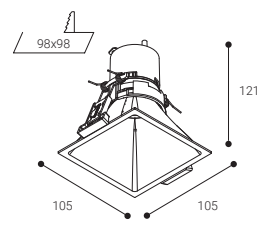
ZQ83



ZQ94



ZQ105





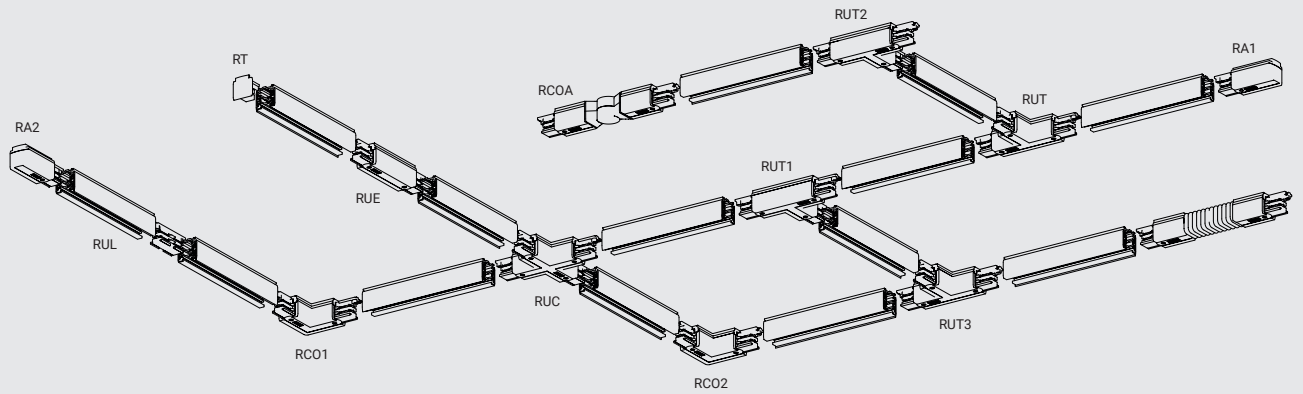
## ACCESSORIES







# RAIL

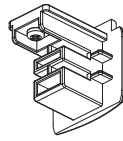
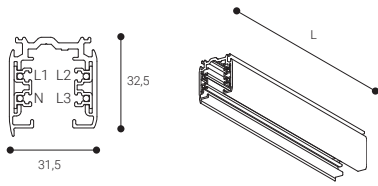


Normalit RAIL and RAIL MICRO product range is a complete system for track lighting; quick and easy to install. Accessories for joinings and suspension complete this system. Its versatility makes it an ideal solution for museums, offices, shops, showcases.

Also it gives flexibility to accommodate to new lighting requirements, any change on luminaires position can be done very easily.



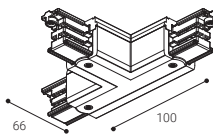
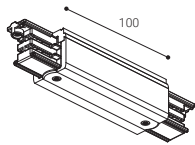
RAILS



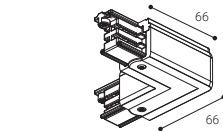
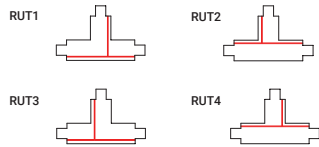
| REF.        | L (mm) |   | REF. | L (mm) |   |
|-------------|--------|---|------|--------|---|
| <b>R2-3</b> |        |   |      |        |   |
|             |        |   |      |        |   |
| R2B         | 2000   | ○ | R2DB | 2000   | ○ |
| R2N         | 2000   | ● | R2DN | 2000   | ● |
| R3B         | 3000   | ○ | R3DB | 3000   | ○ |
| R3N         | 3000   | ● | R3DN | 3000   | ● |

| REF.               |   |
|--------------------|---|
| <b>RT. End cap</b> |   |
| RTB                | ○ |
| RTN                | ● |

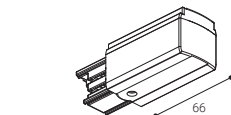
FEEDERS



POLARITY



POLARITY



POLARITY



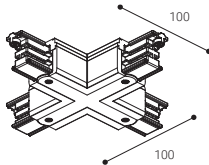
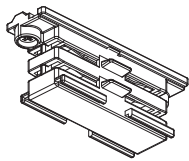
| REF.                     |   | REF.  |   |
|--------------------------|---|-------|---|
| <b>RUE. Middle-Power</b> |   |       |   |
|                          |   |       |   |
| RUEB                     | ○ | RUEDB | ○ |
| RUEN                     | ● | RUEDN | ● |

| REF.                |   | REF.   |   |
|---------------------|---|--------|---|
| <b>RUT. T-Power</b> |   |        |   |
|                     |   |        |   |
| RUT1B               | ○ | RUT1DB | ○ |
| RUT1N               | ● | RUT1DN | ● |
| RUT2B               | ○ | RUT2DB | ○ |
| RUT2N               | ● | RUT2DN | ● |
| RUT3B               | ○ | RUT3DB | ○ |
| RUT3N               | ● | RUT3DN | ● |
| RUT4B               | ○ | RUT4DB | ○ |
| RUT4N               | ● | RUT4DN | ● |

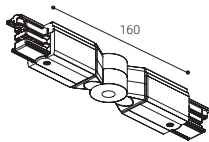
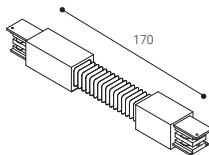
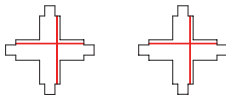
| REF.                |   | REF.   |   |
|---------------------|---|--------|---|
| <b>RCO. L-Power</b> |   |        |   |
|                     |   |        |   |
| RCO1B               | ○ | RCO1DB | ○ |
| RCO1N               | ● | RCO1DN | ● |
| RCO2B               | ○ | RCO2DB | ○ |
| RCO2N               | ● | RCO2DN | ● |

| REF.                     |   | REF.  |   |
|--------------------------|---|-------|---|
| <b>RA. Initial-Power</b> |   |       |   |
|                          |   |       |   |
| RA1B                     | ○ | RA1DB | ○ |
| RA1N                     | ● | RA1DN | ● |
| RA2B                     | ○ | RA2DB | ○ |
| RA2N                     | ● | RA2DN | ● |

CONNECTORS



POLARITY



| REF.                           |   | REF.  |   |
|--------------------------------|---|-------|---|
| <b>RUL. Straight connector</b> |   |       |   |
|                                |   |       |   |
| RULB                           | ○ | RULDB | ○ |
| RULN                           | ● | RULDN | ● |

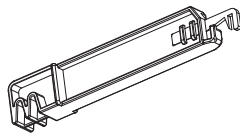
|                         |   |       |   |
|-------------------------|---|-------|---|
| <b>RUC. X connector</b> |   |       |   |
|                         |   |       |   |
| RUCB                    | ○ | RUCDB | ○ |
| RUCN                    | ● | RUCDN | ● |

|                                |   |       |   |
|--------------------------------|---|-------|---|
| <b>RUF. Flexible connector</b> |   |       |   |
|                                |   |       |   |
| RUFB                           | ○ | RUFDB | ○ |
| RUFN                           | ● | RUFDN | ● |

|                                    |   |  |  |
|------------------------------------|---|--|--|
| <b>RCOA. Articulated connector</b> |   |  |  |
| RCOAB                              | ○ |  |  |
| RCOAN                              | ● |  |  |



TOOLS



**RH. Bending tool**

The bending tool is needed to connect properly the feeders and the connectors.

REF.



**RH**



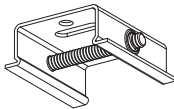
**RE. Power supply connection**

- 16 A, 250 V/400 V, Safety class 1
- Max. pull strength 100 N
- Max. torque 2.5 Nm
- Connecting conductors max. 5 x 2.5 mm<sup>2</sup>

**REB**



**REN**



**RSB. Ceiling mounting accessory**

**RSBB**



**RSBN**



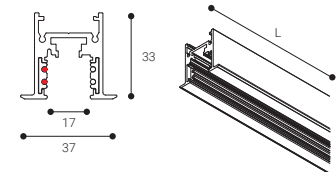
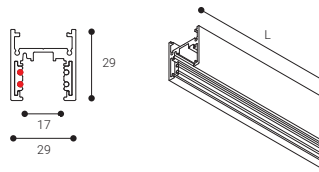
# RAIL MICRO



RAILS

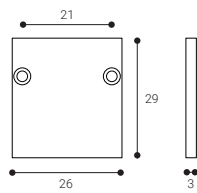
| REF.                  | L (mm) |   |
|-----------------------|--------|---|
| <b>RP. Rail micro</b> |        |   |
| RP1B                  | 1000   | ○ |
| RP1N                  | 1000   | ● |
| RP2B                  | 2000   | ○ |
| RP2N                  | 2000   | ● |
| RP3B                  | 3000   | ○ |
| RP3N                  | 3000   | ● |

| REF.                            | L (mm) |   |
|---------------------------------|--------|---|
| <b>RPE. Rail micro recessed</b> |        |   |
| RPE1B                           | 1000   | ○ |
| RPE1N                           | 1000   | ● |
| RPE2B                           | 2000   | ○ |
| RPE2N                           | 2000   | ● |
| RPE3B                           | 3000   | ○ |
| RPE3N                           | 3000   | ● |



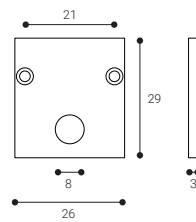
RPT. Final cap blind

|      |   |
|------|---|
| RPTB | ○ |
| RPTN | ● |



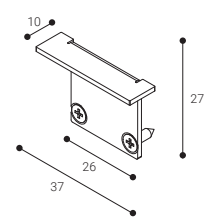
RPTA. Final cap with

|       |   |
|-------|---|
| RPTAB | ○ |
| RPTAN | ● |



RPETC. Final cap blind RPE

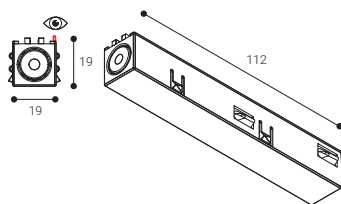
|        |   |
|--------|---|
| RPETCB | ○ |
| RPETCN | ● |



FEEDERS

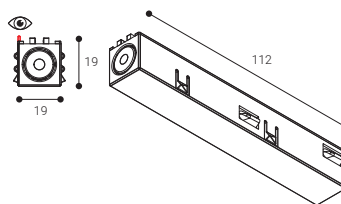
RPA1. Right feeder

|       |   |
|-------|---|
| RPA1B | ○ |
| RPA1N | ● |



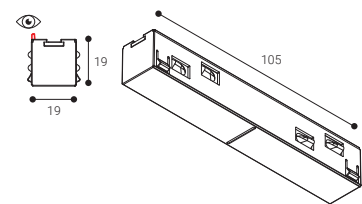
RPA2. Left feeder

|       |   |
|-------|---|
| RPA2B | ○ |
| RPA2N | ● |



RPUL. Linear mechanical union

|       |   |
|-------|---|
| RPULB | ○ |
| RPULN | ● |

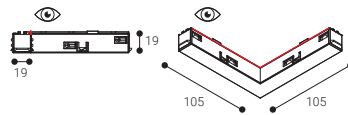


**CONNECTORS**

REF. 

**RPUC1. Internal elbow connector**

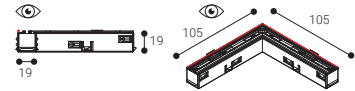
RPUC1B ○  
RPUC1N ●



REF. 

**RPUC2. External elbow connector**

RPUC2B ○  
RPUC2N ●

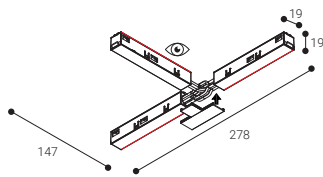


**ELECTRICAL CONNECTION**

REF. 

**RPUT1. In right external T**

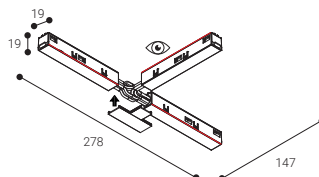
RPUT1B ○  
RPUT1N ●



REF. 

**RPUT2. Connection in left internal T**

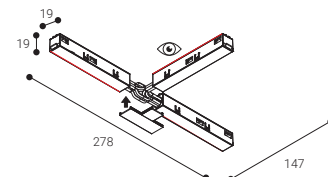
RPUT2B ○  
RPUT2N ●



REF. 

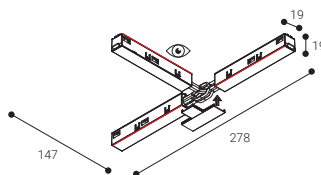
**RPUT3. Connection in external T left**

RPUT3B ○  
RPUT3N ●



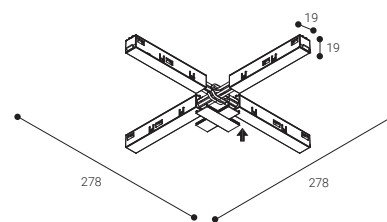
**RPUT4. Internal T-connection right**

RPUT4B ○  
RPUT4N ●



**RPUX. Cross connection**


RPUXB ○  
RPUXN ●



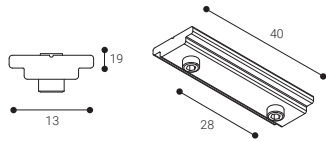





MECHANICAL CONNECTION

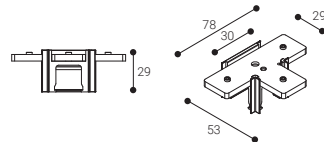
REF.   
**RPEUL. Linear mechanical connection**


RPEULB ○  
 RPEULN ●



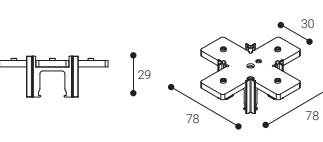
REF.   
**RPUTM. Mechanical T-connection**

RPUTMB ○  
 RPUTMN ●



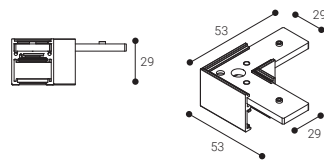
REF.   
**RPUXM. Mechanical cross connection**

RPUXMB ○  
 RPUXMN ●



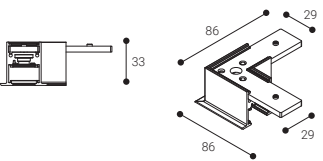
**RPUCM. Mechanical union elbow RP**

RPUCMB ○  
 RPUCMN ●

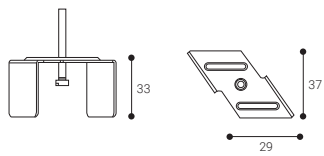


**RPEUCM. Mechanical union elbow RPE**

RPEUCMB ○  
 RPEUCMN ●

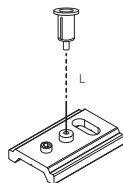


TOOLS



REF. \_\_\_\_\_  
**RPEFT. Ceiling attachment RPE**

RPEFT



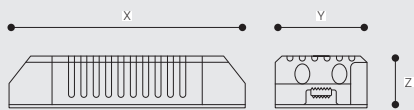
**RPKSUS. Track suspension kit**

RPKSUS

# DRIVERS 24 Vdc

IP 20

DIMENSIONS



| REF.            | X   | Y    | Z  |
|-----------------|-----|------|----|
| <b>BE03024</b>  | 153 | 41,4 | 32 |
| <b>BE06024</b>  | 180 | 52   | 30 |
| <b>BE07524</b>  | 180 | 52   | 30 |
| <b>BE12024</b>  | 300 | 40   | 30 |
| <b>BE18024</b>  | 345 | 50   | 35 |
| <b>BEU35024</b> | 220 | 62   | 31 |

|                 |     |    |      |
|-----------------|-----|----|------|
| <b>BE03524D</b> | 195 | 43 | 30,2 |
| <b>BE06024D</b> | 225 | 43 | 30,2 |
| <b>BE10024D</b> | 295 | 43 | 29,8 |
| <b>BE15024D</b> | 325 | 43 | 30,2 |

REF. W

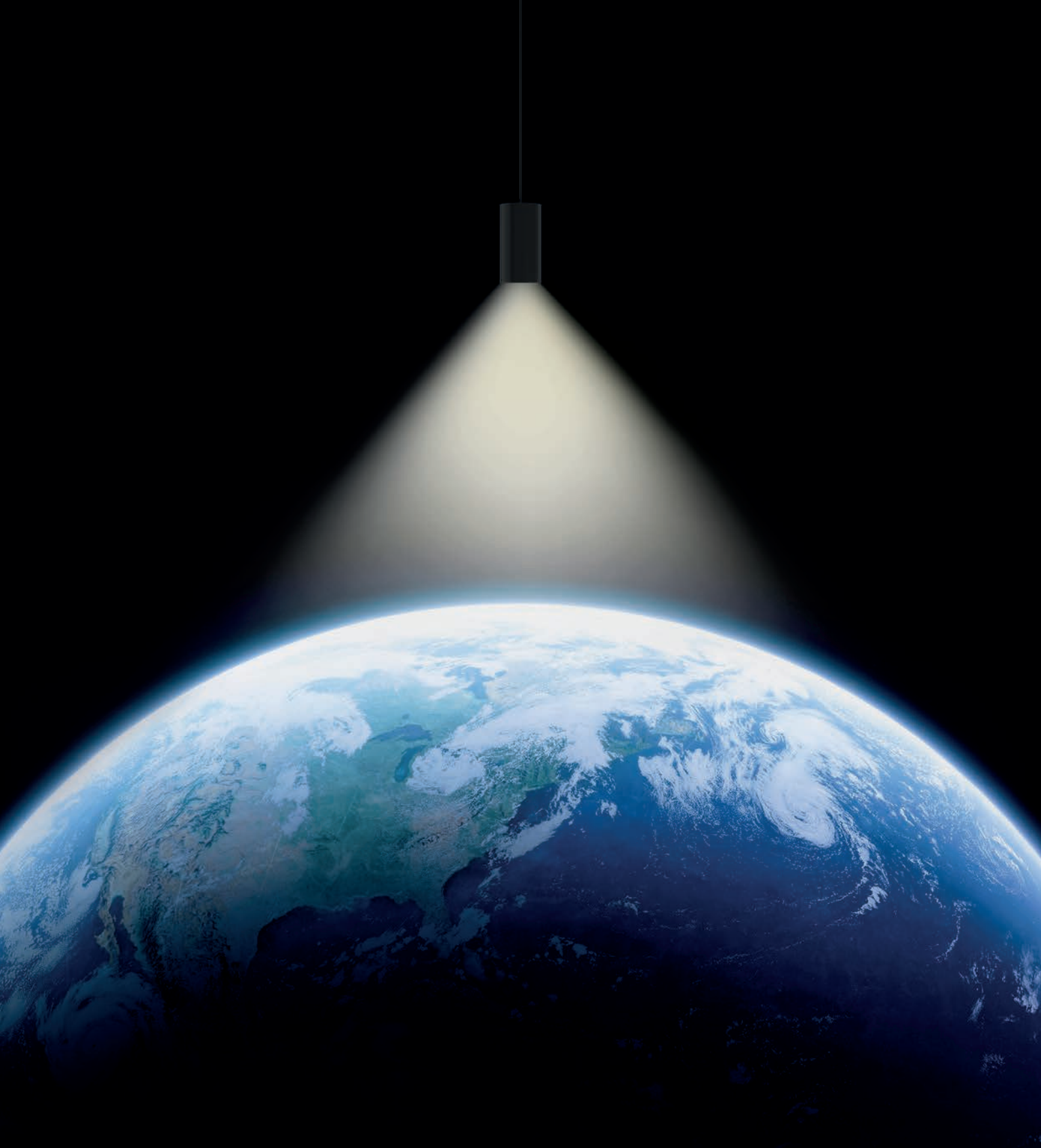
STANDARD

|                 |     |
|-----------------|-----|
| <b>BE03024</b>  | 30  |
| <b>BE06024</b>  | 60  |
| <b>BE07524</b>  | 75  |
| <b>BE12024</b>  | 120 |
| <b>BE18024</b>  | 180 |
| <b>BEU35024</b> | 350 |

REF.



|                 |     |
|-----------------|-----|
| <b>BE03524D</b> | 35  |
| <b>BE06024D</b> | 60  |
| <b>BE10024D</b> | 100 |
| <b>BE15024D</b> | 150 |



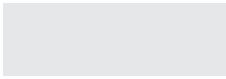
# ELEMENT

ANOTHER WAY TO LIGHT UP  
THE PLANET



Normagrup





Normagrup Technology  
 Sede central / Headquarters  
 Parque Tecnológico de Asturias. C/Ablanal, 1  
 33428 Llanera (Asturias). España / Spain

Normagrup UK  
 Normagrup Netherlands  
 Normagrup France

[normagrup.com](http://normagrup.com)



Normagrup