



# REVOLVED

Come together experience with next



**#challengewithlight**



Whatever your challenge is  
we have a solution  
you are confident in every  
conditions under our light  
because we are  
**engineering the light**



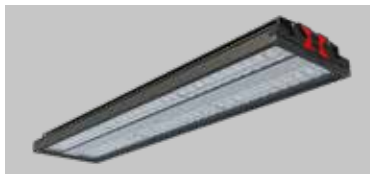
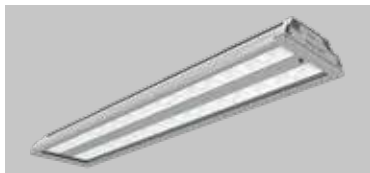
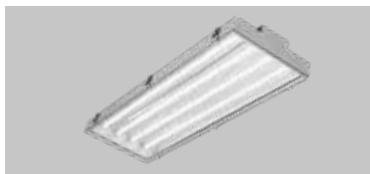
## REVOLED-X HIGH BAY LUMINAIRE

Revoled-X is a new generation Professional lighting solution meeting its experience on the industrial environment lighting of EAE with future Technologies as well as iconic and minimal body design.

Offering product options specialized for different environment conditions of industrial facilities, Revoled-X product family guarantees optimum lighting in all industrial facilities with its body designed for maximum strength, optical structure developed specific to application and broad lumen package options.

As a result of an engineering solution designed with the latest technology, combining challenging subjects such as high efficiency, perfect light distribution and maximum strength in a compact and slim body makes Revoled-X unique. Based upon "light engineering" principles, our company that reserves a large share to R&D investment initiates a new age together with Revoled-X. EAT Lighting now performs design and manufacturing of its optical lenses that may fully meet the needs of the project needs within its scope. Here it is our new product Revoled-X which meets our experience on the industrial environment lighting with future technologies...

## REVOLED-X DEVELOPMENT

|                                                                                    |      |                                                                                                                                        |                                                                                       |
|------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | 2020 | <b>REVOLED-X</b><br>Lm/W : 170 lm/W<br>Life Time : 60.000h/L70<br>Optic : 30° / 60° / 90° / 30°x90° / 25°x105°<br>Energy Saving* : %70 |    |
|                                                                                    | 2015 | <b>REVOLED-S</b><br>Lm/W : 150 lm/W<br>Life Time : 60.000h/L70<br>Optic : Arena / Lowbay / Raf / 45x45<br>Energy Saving* : %60         |   |
|                                                                                    | 2013 | <b>REVOLED</b><br>Lm/W : 105 lm/W<br>Life Time : 50.000h/L70<br>Optic : Arena / Lowbay / Raf<br>Energy Saving* : %50                   |  |
|                                                                                    | 2007 | <b>REVO FLORESAN</b><br>Lm/W : 70 lm/W<br>Life Time : 23.000h<br>Optic : Arena / Lowbay / Raf<br>Energy Saving* : %40                  |  |

*\*Reference; High pressure discharged armatures.  
The trademark right of "REVOLED" is patented.*

## INDEX



### REVOLED-X GENERAL SPECIFICATION

06



### REVOLED-X HE

170 Lm/W / -20°C - +45°C

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### REVOLED-X STANDART

150 Lm/W / -20°C - +45°C

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### REVOLED-X EVO

140 Lm/W / -20°C - +40°C

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### REVOLED-X HOT

150 Lm/W / -20°C - +60°C

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### REVOLED-X HOT PLUS

150 Lm/W / -20°C - +70°C

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### REVOLED-X COLD

150 Lm/W / -40°C - +65°C

24



### REVOLED-X STERILE

150 Lm/W / -20°C - +45°C  
*Clean room certificated*

26



### REVOLED-X SPORT

150 Lm/W / -20°C - +45°C  
*Ball proof certificated*

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### REVOLED-X FOOD

150 Lm/W / -20°C - +45°C  
*Haccp International Food Safety Certification*

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### SMARTLOG RF

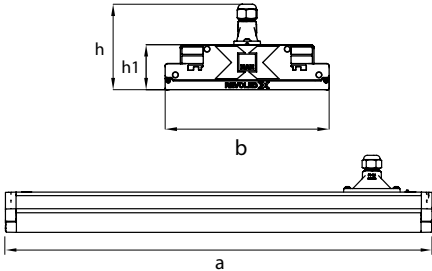
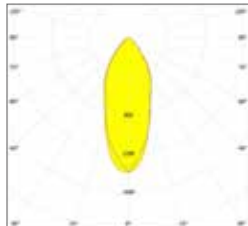
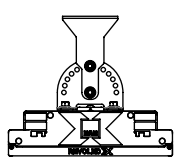
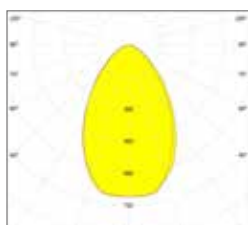
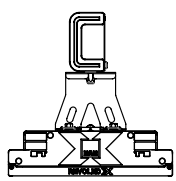
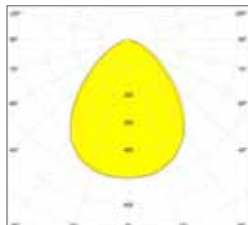
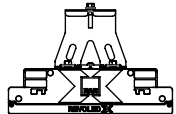
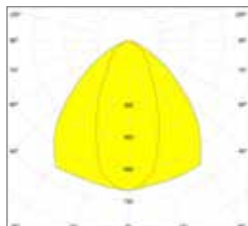
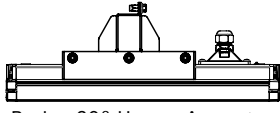
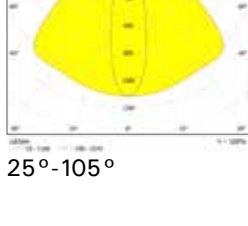
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### CERTIFICATION AND TESTS

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## OVERVIEW

| Model                                                                                                                                 | Dimensions                                                                                                                                                                                                    | Optic                                                                                                | Lumen                                                                                    | Installation                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|  <p>Revoled-X He<br/>160-170lm/W</p>                 |  <p><b>a x b x h</b></p> <p>400 x 200 x 60<br/>600 x 200 x 60<br/>900 x 200 x 60<br/>1200 x 200 x 60<br/>1500 x 200 x 60</p> |  <p>30°</p>        | <p>4k lm<br/>8k lm<br/>12k lm<br/>16k lm<br/>20k lm<br/>26k lm<br/>35k lm<br/>42k lm</p> |  <p>Angled Hanger Apparatus</p>         |
|  <p>Revoled-X Standard<br/>150-160lm/W</p>           |                                                                                                                                                                                                               |  <p>30°</p>       |                                                                                          |  <p>Busbar Hanger Apparatus</p>         |
|  <p>Revoled-X Evo<br/>140lm/W</p>                    |                                                                                                                                                                                                               |  <p>60°</p>      |                                                                                          |  <p>Kablo Kanalı Hanger Apparatus</p> |
|  <p>Revoled-X Hot<br/>-35°C... +60°C</p>           |                                                                                                                                                                                                               |  <p>90°</p>      |                                                                                          |  <p>Busbar 90° Hanger Apparatus</p>   |
|  <p>Revoled-X Hot<br/>-35°C... +70°C</p>           |                                                                                                                                                                                                               |  <p>30°-90°</p>  |                                                                                          |                                                                                                                            |
|  <p>Revoled-X Cold<br/>-35°C... +65°C</p>          |                                                                                                                                                                                                               |  <p>25°-105°</p> |                                                                                          |                                                                                                                            |
|  <p>Revoled-X Sterile<br/>Clean Room Certified</p> |                                                                                                                                                                                                               |                                                                                                      |                                                                                          |                                                                                                                            |
|  <p>Revoled-X Sport<br/>Ball Prof Certificated</p> |                                                                                                                                                                                                               |                                                                                                      |                                                                                          |                                                                                                                            |

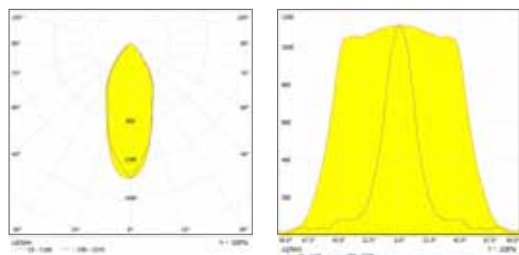
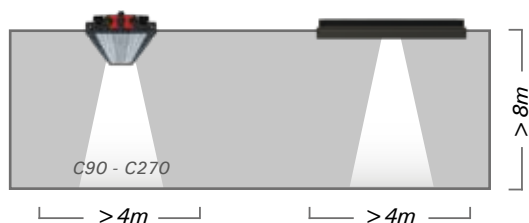
## SELECTION TABLE



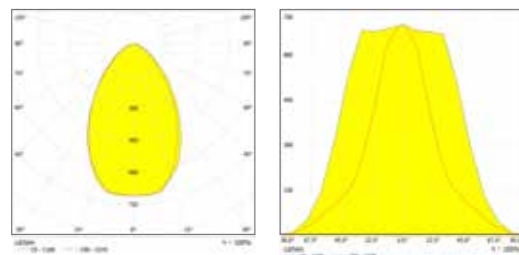
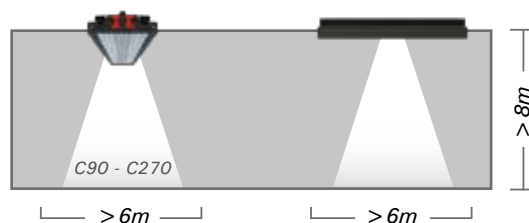
| MODEL              | Lm/W         | LUMEN                                         | OPTIC                                                                                     | BLEEDING                                            | AMBIENT TEMPERATURE |
|--------------------|--------------|-----------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------|
| REVOLED-X HE       | 160-170 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 45°C     |
| REVOLED-X STANDART | 150-160 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 45°C     |
| REVOLED-X EVO      | 140-150 Lm/W | 9k lm<br>17k lm<br>26k lm<br>35k lm<br>42k lm | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 40°C     |
| REVOLED-X HOT      | 150-160 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 60°C     |
| REVOLED-X HOT PLUS | 160-170 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 70°C     |
| REVOLED-X COLD     | 150-160 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -40°C... + 65°C     |
| REVOLED-X STERILE  | 150-160 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | 20°C... + 45°C      |
| REVOLED-X SPORT    | 150-160 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 45°C     |
| REVOLED-X FOOD     | 150-160 Lm/W | 4k lm<br>8k lm<br>12k lm<br>16k lm<br>20k lm  | 30° Narrow angle<br>60° Arena<br>90° Lowbay<br>30°x90° Raf<br>25°x105° Raf (Narrow angle) | UGR< 19<br>UGR< 22<br>UGR> 22<br>UGR> 22<br>UGR> 25 | -20°C... + 45°C     |

## OPTICAL MODELS

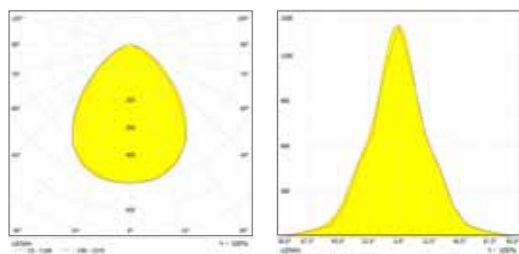
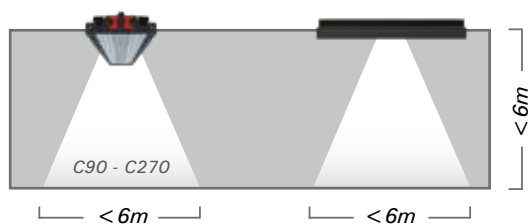
### 30° NARROW ANGLE



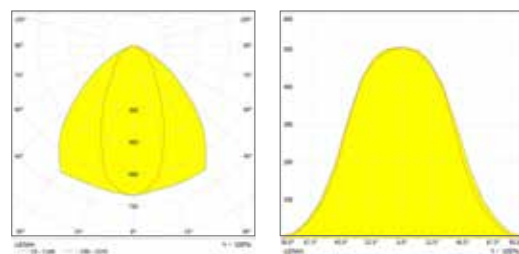
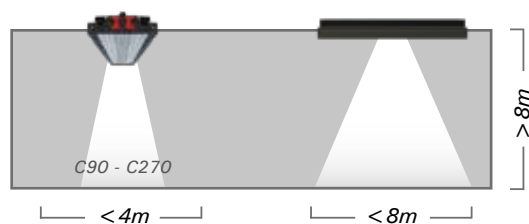
### 60° ARENA



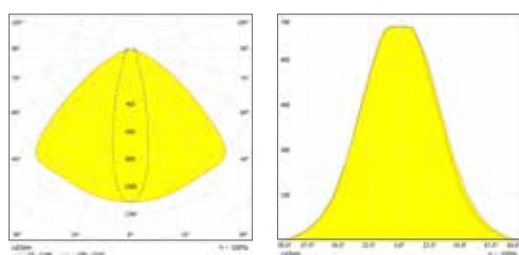
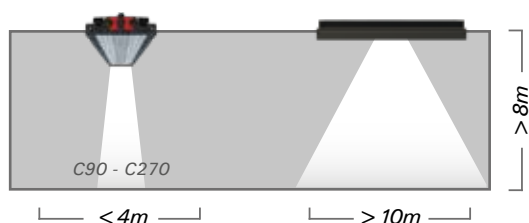
### 90° LOWBAY



### 30° - 90° RAF

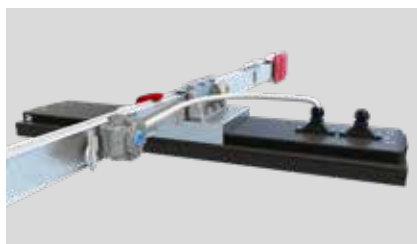


### 25° - 105° RAF (NARROW ANGLE)



## ASSEMBLY AND HANGER DETAILS

REVOLED-X BARA 90° HANGER SET



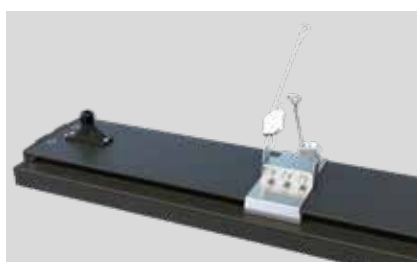
ORDER COD: 3200379



### ANGLED HANGER APPARATUS

ORDER COD: 3179886

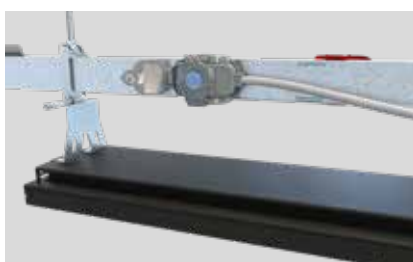
SECURITY/SEISMIC HANGER APPARATUS\*



ORDER COD: 3197123

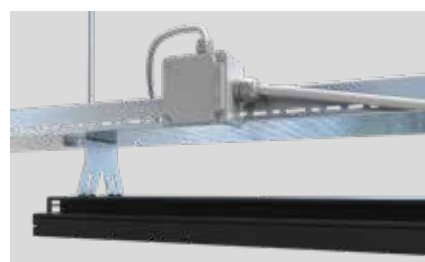
\*The Security / Seismic suspension apparatus is not suitable for use alone. It should be used with busbar / cable channel or other suspension systems.

## BUSBAR HANGER APPARATUS



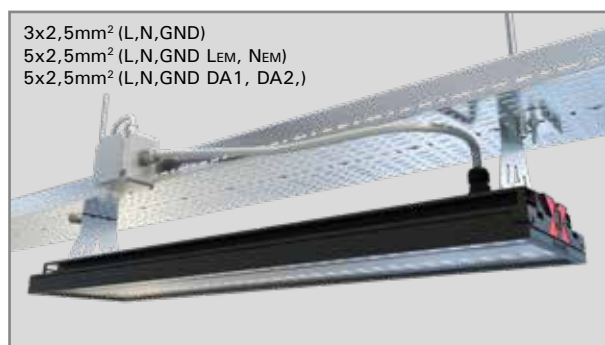
ORDER COD: 3179883

## CABLE CHANNEL HANGER APPARATUS



ORDER COD: 3179885

## CHANNEL CONNECTION



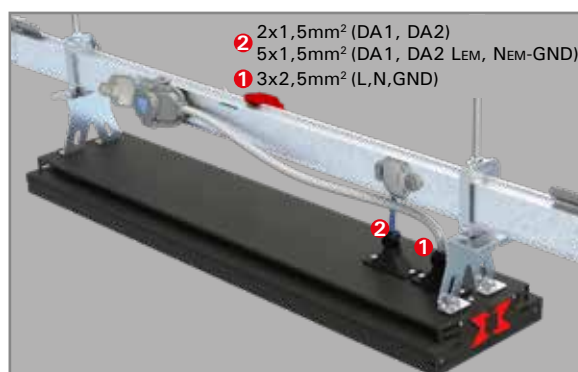
TG: SINGLE ENTRY

[illegible]

CG: DOUBLE ENTRY

[illegible]

## BUSBAR CONNECTION





**IP66 Aluminum body**  
Perfect thermal performance

**Silicone gasket, sealing gasket**  
Long-lasting, anti-deformation



**Europe-origin driver**  
PF > 0,95 75-165W  
ENEC certificate



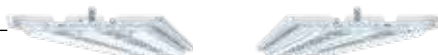
**Aluminum cover cap**



**Aluminum PCB**  
> 200lm/W > 100.000h  
LED



**Modular optical lens 300, 600, 900,  
300x900, 250x1050, AS, DA**  
EAE, domestic design & Production  
Optics



**Tempered film-coated transparent  
glass, aluminum flip-open frame**  
Impact resistance IK09





|                                                           |   |   |                                  |   |   |   |                                                                                      |   |                                                                                                                                                                                                                                                                                       |   |               |   |                                      |   |                                                                                                                                   |   |                             |   |   |   |   |   |   |   |   |  |  |  |
|-----------------------------------------------------------|---|---|----------------------------------|---|---|---|--------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------|---|--------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------|---|---|---|---|---|---|---|---|--|--|--|
| R                                                         | V | X | 0                                | 2 | 6 | U | 4                                                                                    | 0 | T                                                                                                                                                                                                                                                                                     | F | 0             | 3 | 6                                    | 0 | 4                                                                                                                                 | K | 1                           | 6 | H | E | C | G | H | R | C |  |  |  |
| Product Code                                              |   |   | Ceiling Type                     |   |   |   | Diffuser                                                                             |   | Optic                                                                                                                                                                                                                                                                                 |   | Lumen Sample  |   | Cable Entry                          |   | Product Model                                                                                                                     |   | External Driver Boxed Model |   |   |   |   |   |   |   |   |  |  |  |
| Product Power                                             |   |   | U: Surface mounted<br>S: Pendant |   |   |   | TF: Film Cam<br>SC: Serigraphed Glass                                                |   | 30 : 30°<br>60 : 60°<br>90 : 90°<br>30°x 90°<br>25°x 105°<br>Asymmetric<br>Double Asymmetric                                                                                                                                                                                          |   | 4K16: 4160 lm |   | CG: Double Entry<br>TG: Single entry |   | * : Standard<br>HE: High efficiency<br>EVO: Economic<br>COLD: Cold<br>SPRT: Sport<br>HOT: Hot<br>HOT +: Hot Plus<br>STRL: Sterile |   |                             |   |   |   |   |   |   |   |   |  |  |  |
| 026: 26W<br>049: 49W<br>071: 71W<br>096: 96W<br>117: 117W |   |   |                                  |   |   |   | Kelvin<br>27: 2700K<br>30: 3000K<br>40: 4000K<br>50: 5000K<br>57: 5700K<br>65: 6500K |   | Driver Code<br>00: Standard<br>01: Standard 1H ACK<br>02: Standard 3H ACK<br>03: Dali<br>04: Dali 1H ACK<br>05: Dali 3H ACK<br>06: Industrial / Industry<br>07: Industrial 1H ACK / Industry 1H ACK<br>08: Industrial 3H ACK / Industry 3H ACK<br>24: Industrial Dali / Industry Dali |   |               |   |                                      |   |                                                                                                                                   |   |                             |   |   |   |   |   |   |   |   |  |  |  |

## WHY REVOLED-X?



### Long Life

LED light resources have 2-3 times longer life than florescent bulbs, 6-8 times longer than metal halide bulbs.



### Instant Burning and Light Control Possibilities

In case of power outage, 5-10 regime period of 5-10 min. required for relighting creates a major problem for the businesses and magnetic ballasts which cannot be dimmed do not offer opportunity for automation in high pressure armatures.



### Stable Light Level

While high pressure armatures and Florescent armatures cause 50% and 20% light loss towards the end of their life, respectively, Revoled-X armature creates a maximum loss of 10%.



### Energy Saving

Revoled-X ensures 77% energy saving compared to metal halide armatures, 58% compared to Florescent high ceiling armatures with its efficiency value starting from 140lm/W to 170 lm/W.



## Eco-Friendly

Mercury, known as a toxic gas, is available in a certain amount in high pressure and fluorescent lamps. There is no mercury gas in LED light sources.



## Smooth Operation

Difficulty in intervention required to be carried out due to bulb malfunctions especially in high ceilings can be overcome with LED armatures.



## High Color Rendering

Revoled-X armatures have a high CRI (color rendering ratio) value of > 80 like fluorescent armatures. This is especially important for businesses such as the textile industry where CRI value is important.



## Occupational Safety

The fact that armature body structure is impact resistant and does not disconnect from the armature even if diffuser is broken and prevents accumulation of dust and particle in the body shows that it complies with the criteria of occupational safety.

# REVOLED-X HE



## Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

## Optical & Electrical Features

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Power             | : 26W / 49W / 71W / 96W / 117W                  |
| Lumen             | : 4165lm / 8238lm / 12349lm / 16112lm / 19986lm |
| Efficacy          | : 160-170lm/W                                   |
| Input Voltage     | : 220-240 V                                     |
| Frequency         | : 50-60 Hz                                      |
| Power Factor      | : > 0,9                                         |
| Color Temperature | : 3000K / 4000K / 5700K / 6500K                 |
| CRI               | : > 80                                          |

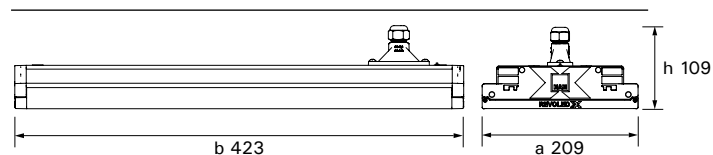
\*Technical specifications have  $\pm 10$  tolerance.

## Other Features & Conditions

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | : -20 °C/ +45 °C             |
| Operating Temp (ACK)  | : +5 °C/ +35 °C              |
| Impact Resistance     | : IK09**                     |
| Led Life Time - L70   | : > 102.000 hours @Ta= 45 °C |



## Technical Drawing



## Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



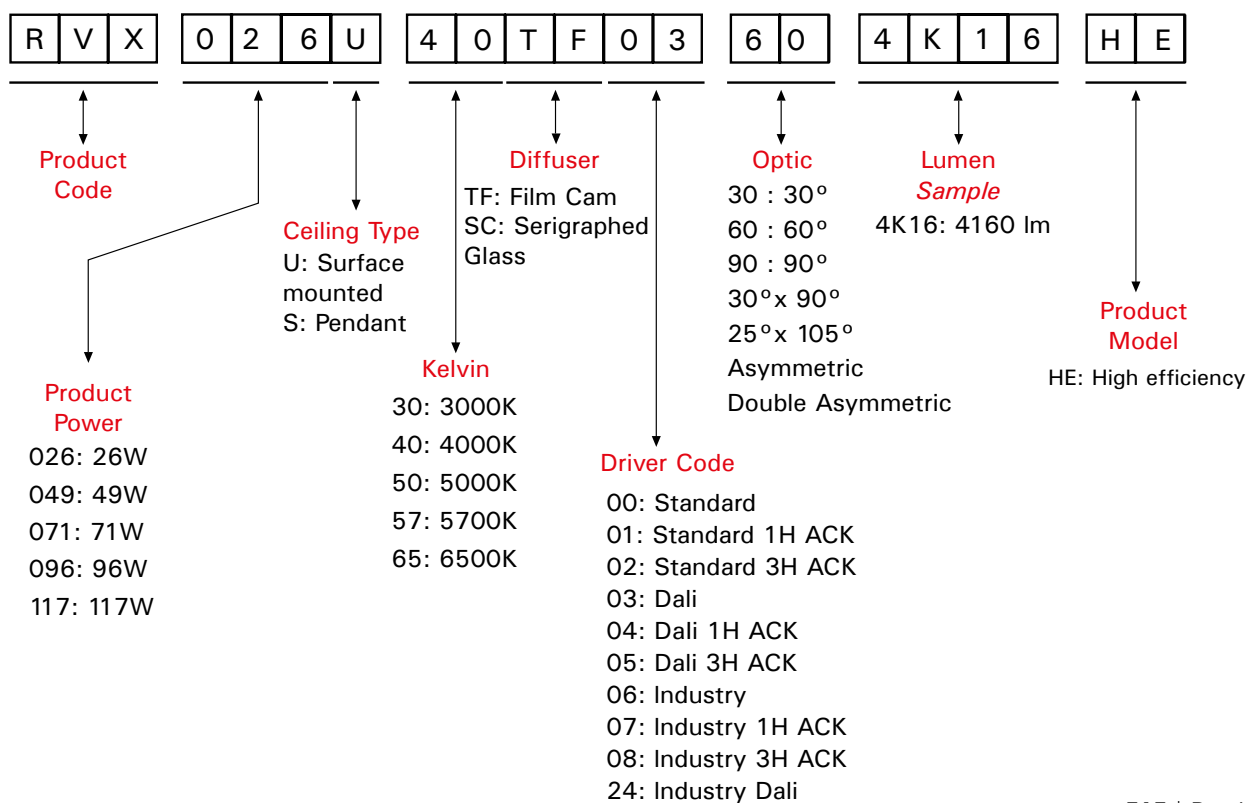
-20°C +45°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                                | Weight | Strength | Dimensions (axb) |
|---------|--------------------------------|--------|----------|------------------|
| 3179811 | RVX 026U 40FS00 60 4K16 HE     | 3,24   | IK08     | 209x423          |
| 3179813 | RVX 026U 40FS03 60 4K16 HE CG  | 3,77   | IK08     | 209x493          |
| 3179812 | RVX 026U 40FS02 60 4K16 HE     | 7,26   | IK08     | 209x950          |
| 3179815 | RVX 049U 40TF00 60 8K23 HE     | 4,59   | IK09     | 209x603          |
| 3179816 | RVX 049U 40FS02 60 8K23 HE     | 7,26   | IK09     | 209x950          |
| 3179819 | RVX 071U 40TF00 60 12K3 HE     | 6,73   | IK07     | 209x890          |
| 3179820 | RVX 071U 40FS02 60 12K3 HE     | 7,62   | IK07     | 209x1030         |
| 3179823 | RVX 096U 40TF00 60 16K1 HE     | 8,85   | IK08     | 209x1176         |
| 3179827 | RVX 117U 40TF00 60 20K0 HE     | 11,5   | IK09     | 209x1462         |
| 3187820 | RVX 026U 40TF02 60 4K16 HE HRC | 7,00   | IK08     | 209x603          |
| 3187821 | RVX 049U 40TF02 60 8K23 HE HRC | 7,00   | IK09     | 209x603          |
| 3187822 | RVX 071U 40TF02 60 12K3 HE HRC | 9,57   | IK07     | 209x890          |

\*Sample is the technical size chart.



# REVOLED-X

## STANDARD



### Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

### Optical & Electrical Features

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Power             | : 28W / 53W / 77W / 103W / 128W                  |
| Lumen             | : 4362lm / 8663lm / 13000 lm / 16364lm / 21078lm |
| Efficacy          | : 150-160lm/W                                    |
| Input Voltage     | : 220-240 V                                      |
| Frequency         | : 50-60 Hz                                       |
| Power Factor      | : > 0,9                                          |
| Color Temperature | : 3000K / 4000K / 5700K / 6500K                  |
| CRI               | : > 80                                           |

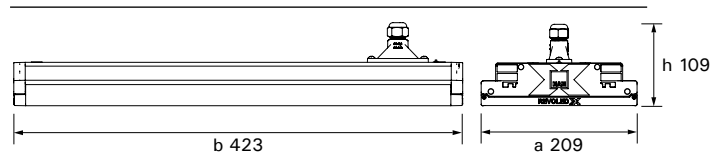
\*Technical specifications have  $\pm 10$  tolerance.

### Other Features & Conditions

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | : -20 °C/ +45 °C             |
| Operating Temp (ACK)  | : +5 °C/ +35 °C              |
| Impact Resistance     | : IK09**                     |
| Led Life Time - L70   | : > 102.000 hours @Ta= 45 °C |



### Technical Drawing



### Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



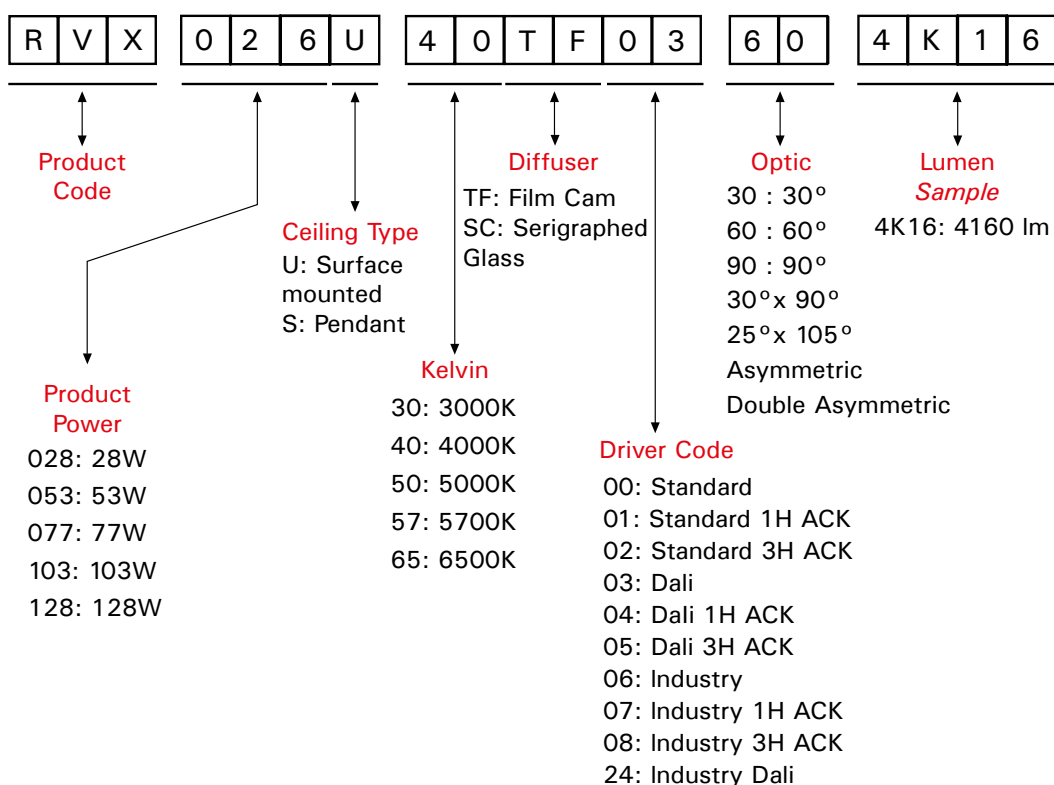
-20°C +45°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                             | Weight | Strength | Dimensions (axb) |
|---------|-----------------------------|--------|----------|------------------|
| 3179831 | RVX 028U 40FS00 60 4K30     | 3,24   | IK08     | 209x423          |
| 3179851 | RVX 028U 40FS03 60 4K30 CG  | 3,77   | IK08     | 209x493          |
| 3179832 | RVX 028U 40FS02 60 4K30     | 7,26   | IK08     | 209x950          |
| 3179853 | RVX 053U 40TF00 60 8K48     | 4,59   | IK09     | 209x603          |
| 3179854 | RVX 053U 40FS02 60 8K48     | 7,26   | IK09     | 209x950          |
| 3179857 | RVX 077U 40TF00 60 12K7     | 6,73   | IK07     | 209x890          |
| 3179858 | RVX 077U 40FS02 60 12K7     | 7,62   | IK07     | 209x1030         |
| 3179861 | RVX 103U 40TF00 60 16K0     | 8,85   | IK08     | 209x1176         |
| 3179865 | RVX 128U 40TF00 60 20K0     | 11,5   | IK09     | 209x1462         |
| 3187823 | RVX 028U 40FS02 60 4K30 HRC | 7,00   | IK08     | 209x603          |
| 3187824 | RVX 053U 40TF02 60 8K48 HRC | 7,00   | IK09     | 209x603          |
| 3187825 | RVX 077U 40TF02 60 12K7 HRC | 9,57   | IK07     | 209x890          |

\*Sample is the technical size chart.



# REVOLED-X EVO



## Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

## Optical & Electrical Features

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Power             | : 67W / 90W / 132W / 135W / 199W / 236W<br>265W / 330W                |
| Lumen             | : 9235lm / 12101lm / 17618lm / 19896lm<br>27177lm / 33141lm / 35971lm |
| Efficacy          | : 140-150lm/W                                                         |
| Input Voltage     | : 220-240 V                                                           |
| Frequency         | : 50-60 Hz                                                            |
| Power Factor      | : > 0,9                                                               |
| Color Temperature | : 3000K / 4000K / 5700K / 6500K                                       |
| CRI               | : > 80                                                                |

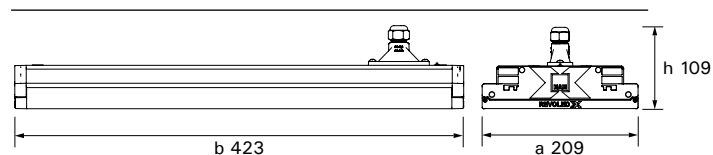
\*Technical specifications have  $\pm 10$  tolerance.

## Other Features & Conditions

|                       |                             |
|-----------------------|-----------------------------|
| Operating Temperature | : -20 °C/ +40 °C            |
| Operating Temp (ACK)  | : +5 °C/ +35 °C             |
| Impact Resistance     | : IK09**                    |
| Led Life Time - L70   | : > 72.000 hours @Ta= 40 °C |



## Technical Drawing



## Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |

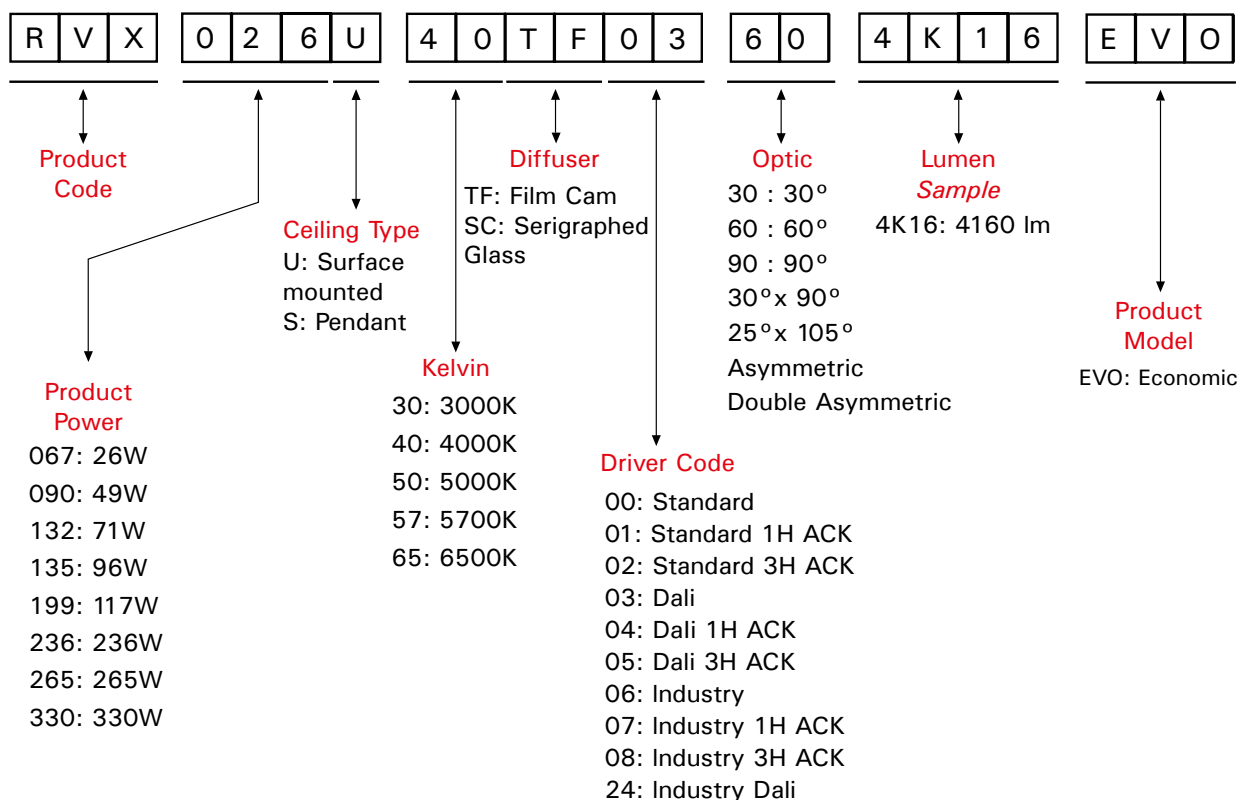


-20°C +40°C

\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                                 | Weight | Strength | Dimensions (axb) |
|---------|---------------------------------|--------|----------|------------------|
| 3179684 | RVX 067U 40FS00 60 9K23 EVO     | 3,24   | IK08     | 209x423          |
| 3179687 | RVX 067U 40FS03 60 9K23 EVO CG  | 3,77   | IK08     | 209x493          |
| 3179685 | RVX 067U 40FS02 60 9K23 EVO     | 7,26   | IK08     | 209x950          |
| 3179786 | RVX 090U 40TF00 60 12K1 EVO     | 4,59   | IK09     | 209x603          |
| 3179787 | RVX 090U 40FS02 60 12K1L EVO    | 7,62   | IK09     | 209x1030         |
| 3179690 | RVX 132U 40TF00 60 17K6 EVO     | 4,59   | IK09     | 209x603          |
| 3179691 | RVX 132U 40FS02 60 17K6         | 7,62   | IK09     | 209x1030         |
| 3179791 | RVX 142U 40TF00 60 19K8 EVO     | 6,73   | IK07     | 209x860          |
| 3179792 | RVX 142U 40FS02 60 19K8 EVO     | 7,62   | IK07     | 209x1030         |
| 3179795 | RVX 199U 40TF00 60 27K1 EVO     | 6,73   | IK07     | 209x890          |
| 3179797 | RVX 199U 40FS03 60 27K1 EVO CG  | 8,7    | IK07     | 209x1140         |
| 3179798 | RVX 199U 40FS03 60 27K1 EVO TG  | 7,9    | IK07     | 209x1040         |
| 3179796 | RVX 199U 40FS02 60 27K1 EVO     | 11,5   | IK07     | 209x1462         |
| 3179799 | RVX 233U 40TF00 60 33K1 EVO     | 8,85   | IK08     | 209x1176         |
| 3179800 | RVX 233U 40FS02 60 33K1 EVO     | 11,5   | IK08     | 209x1462         |
| 3179803 | RVX 260U 40TF00 60 36K0 EVO     | 8,85   | IK08     | 209x1176         |
| 3179804 | RVX 260U 40FS02 60 36K0 EVO     | 11,5   | IK08     | 209x1462         |
| 3179807 | RVX 337U 40TF00 60 42K1 EVO     | 11,5   | IK09     | 209x1462         |
| 3179808 | RVX 337U 40FS02 60 42K1 EVO     | 14,6   | IK09     | 209x1812         |
| 3187813 | RVX 066U 40FS02 60 9K23 EVO HRC | 7,00   | IK08     | 209x603          |
| 3187815 | RVX 132U 40TF02 60 17K6 EVO HRC | 7,00   | IK09     | 209x603          |
| 3187817 | RVX 199U 40TF02 60 27K1 EVO HRC | 9,57   | IK07     | 209x890          |
| 3187818 | RVX 260U 40TF02 60 36K0 EVO HRC | 12,58  | IK08     | 209x1176         |
| 3187819 | RVX 337U 40TF02 60 42K1 EVO HRC | 14,63  | IK09     | 209x1462         |

\* Sample is the technical size chart.



# REVOLED-X

## HOT



### Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

### Optical & Electrical Features

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Power                   | : 28W / 53W / 77W / 103W / 128W                 |
| Lumen                   | : 4294lm / 8481lm / 12760lm / 16041lm / 20606lm |
| Efficacy                | : 150-160lm/W                                   |
| Input Voltage           | : 220-240 V                                     |
| Frequency               | : 50-60 Hz                                      |
| Power Factor            | : > 0,9                                         |
| Surge Transient Protec. | : 4 kV                                          |
| Color Temperature       | : 3000K / 4000K / 5700K / 6500K                 |
| CRI                     | : > 80                                          |

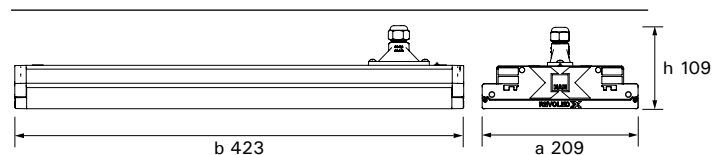
\*Technical specifications have  $\pm 10$  tolerance.

### Other Features & Conditions

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | : -20 °C/ +60 °C             |
| Operating Temp (ACK)  | : +5 °C/ +35 °C              |
| Impact Resistance     | : IK09**                     |
| Led Life Time - L70   | : > 102.000 hours @Ta= 60 °C |



### Technical Drawing



### Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



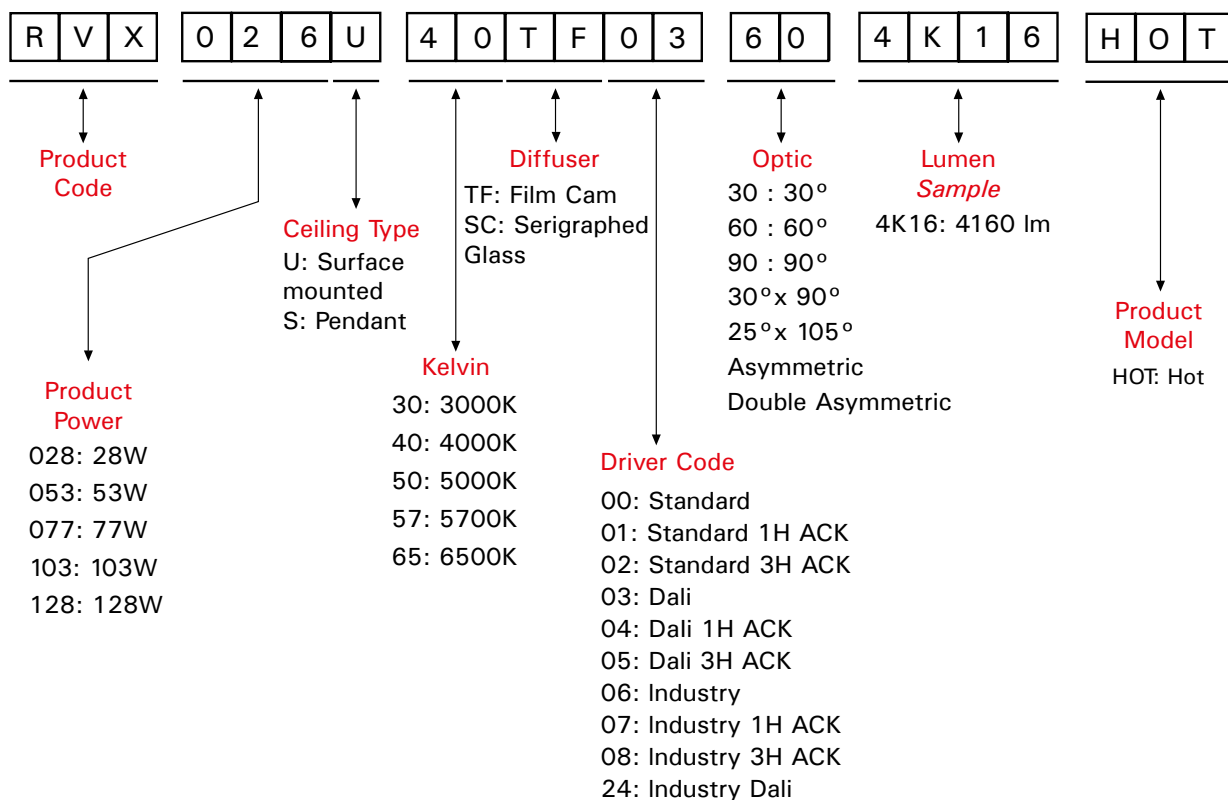
-20°C +60°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                                 | Weight | Strength | Dimensions (axb) |
|---------|---------------------------------|--------|----------|------------------|
| 3196841 | RVX 028U 40FS06 60 4K30 HOT     | 3,44   | IK08     | 209x423          |
| 3196845 | RVX 028U 40FS24 60 4K30 HOT CG  | 3,97   | IK08     | 209x493          |
| 3196843 | RVX 028U 40FS08 60 4K30 HOT     | 7,46   | IK08     | 209x950          |
| 3196849 | RVX 053U 40TF06 60 8K48 HOT     | 4,79   | IK09     | 209x603          |
| 3196850 | RVX 053U 40FS08 60 8K48 HOT     | 7,46   | IK09     | 209x950          |
| 3196854 | RVX 077U 40TF06 60 12K7 HOT     | 6,93   | IK07     | 209x890          |
| 3196856 | RVX 077U 40FS08 60 12K7 HOT     | 7,82   | IK07     | 209x1030         |
| 3196861 | RVX 103U 40TF06 60 16K0 HOT     | 9,05   | IK08     | 209x1176         |
| 3196866 | RVX 128U 40TF06 60 20K0 HOT     | 11,7   | IK09     | 209x1462         |
| 3196837 | RVX 028U 40FS08 60 4K30 HOT HRC | 7,20   | IK08     | 209x630          |
| 3196839 | RVX 053U 40TF08 60 8K48 HOT HRC | 7,20   | IK09     | 209x630          |
| 3196840 | RVX 077U 40TF08 60 12K7 HOT HRC | 9,77   | IK07     | 209x890          |

\*Sample is the technical size chart.



# REVOLED-X

## HOT PLUS



### Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

### Optical & Electrical Features

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Power                   | : 26W / 53W / 77W / 103W / 128W                 |
| Lumen                   | : 4165lm / 8238lm / 12349lm / 16112lm / 19986lm |
| Efficacy                | : 150-160lm/W                                   |
| Input Voltage           | : 220-240 V                                     |
| Frequency               | : 50-60 Hz                                      |
| Power Factor            | : > 0,9                                         |
| Surge Transient Protec. | : 4 kV                                          |
| Color Temperature       | : 3000K / 4000K / 5700K / 6500K                 |
| CRI                     | : > 80                                          |

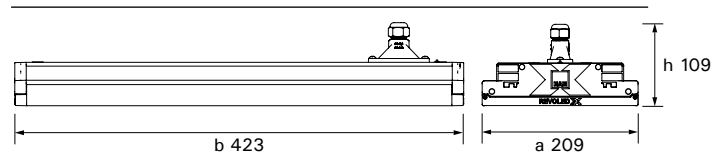
\*Technical specifications have  $\pm 10$  tolerance.

### Other Features & Conditions

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | : -20 °C/ + 70 °C            |
| Operating Temp (ACK)  | : + 5 °C/ + 35 °C            |
| Impact Resistance     | : IK09**                     |
| Led Life Time - L70   | : > 102.000 hours @Ta= 70 °C |



### Technical Drawing



### Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



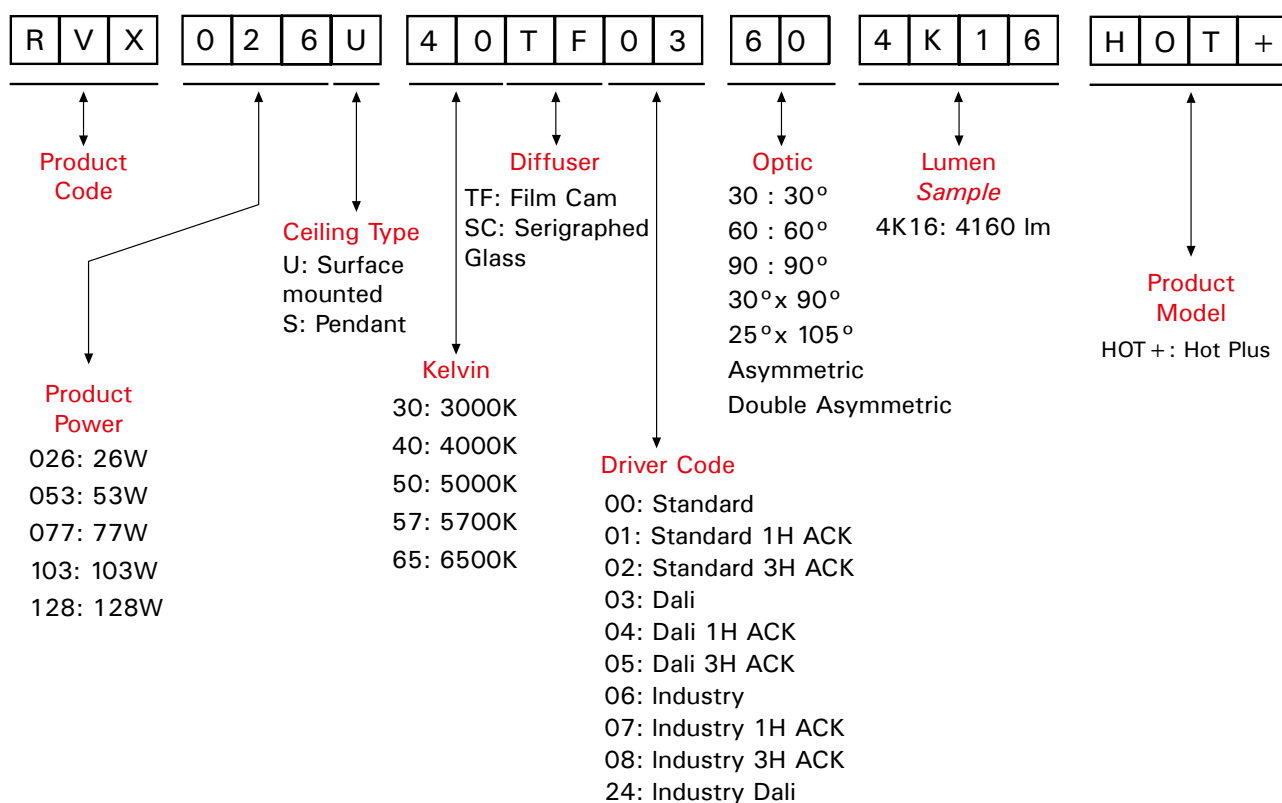
-20°C +70°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                                   | Weight | Strength | Dimensions (axb) |
|---------|-----------------------------------|--------|----------|------------------|
| 3196875 | RVX 026U 40FS06 60 4K16 HOT +     | 3,44   | IK08     | 209x423          |
| 3196879 | RVX 026U 40FS24 60 4K16 HOT + CG  | 3,97   | IK08     | 209x493          |
| 3196877 | RVX 026U 40FS08 60 4K16 HOT +     | 7,46   | IK08     | 209x950          |
| 3196883 | RVX 049U 40TF06 60 8K23 HOT +     | 4,79   | IK09     | 209x603          |
| 3196884 | RVX 049U 40FS08 60 8K23 HOT +     | 7,46   | IK09     | 209x1028,5       |
| 3196888 | RVX 071U 40TF06 60 12K3 HOT +     | 6,93   | IK07     | 209x890          |
| 3196889 | RVX 071U 40FS08 60 12K3 HOT +     | 7,82   | IK07     | 209x1030         |
| 3196893 | RVX 096U 40TF06 60 16K1 HOT +     | 9,05   | IK08     | 209x1176         |
| 3196897 | RVX 117U 40TF06 60 20K0 HOT +     | 11,7   | IK09     | 209x1462         |
| 3196871 | RVX 026U 40FS08 60 4K16 HOT + HRC | 7,20   | IK08     | 209x603          |
| 3196873 | RVX 049U 40TF08 60 8K23 HOT + HRC | 7,20   | IK09     | 209x603          |
| 3196874 | RVX 071U 40TF08 60 12K3 HOT + HRC | 9,77   | IK07     | 209x890          |

\*Sample is the technical size chart.



# REVOLED-X

## COLD



### Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

### Optical & Electrical Features

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| Power                   | : 28W / 53W / 77W / 103W / 128W                  |
| Lumen                   | : 4294lm / 8481lm / 12760 lm / 16041lm / 20606lm |
| Efficacy                | : 150-160lm/W                                    |
| Input Voltage           | : 220-240 V                                      |
| Frequency               | : 50-60 Hz                                       |
| Power Factor            | : > 0,9                                          |
| Surge Transient Protec. | : 4 kV                                           |
| Color Temperature       | : 3000K / 4000K / 5700K / 6500K                  |
| CRI                     | : > 80                                           |

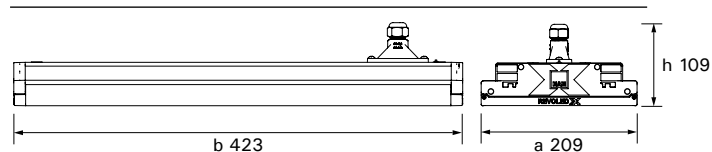
\*Technical specifications have  $\pm 10$  tolerance.

### Other Features & Conditions

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | : -40°C / +45 °C              |
| Operating Temp (ACK)  | : +5 °C / +35 °C              |
| Impact Resistance     | : IK09**                      |
| Led Life Time - L70   | : > 102.000 hours @Ta = 45 °C |



### Technical Drawing



### Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



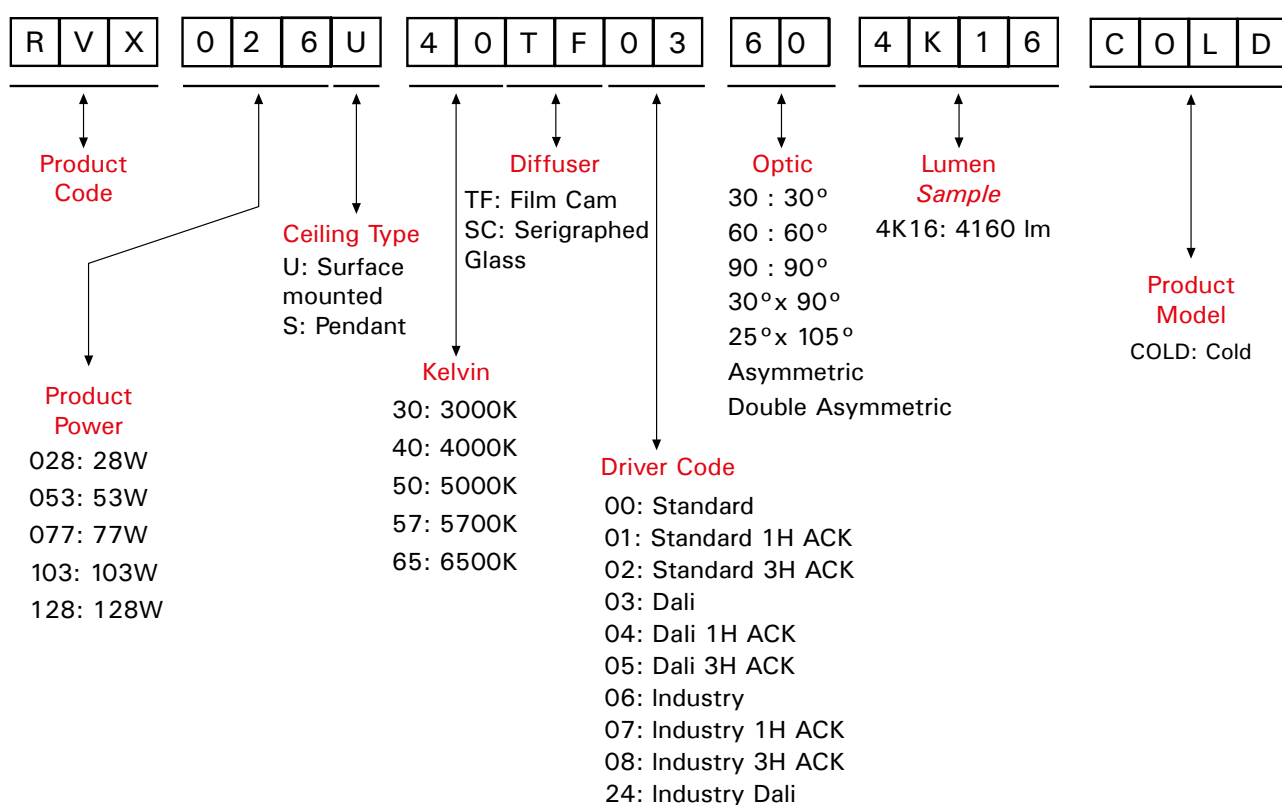
-40°C +45°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                                  | Weight | Strength | Dimensions (axb) |
|---------|----------------------------------|--------|----------|------------------|
| 3196965 | RVX 028U 40FS06 60 4K30 COLD     | 3,44   | IK08     | 209x423          |
| 3196969 | RVX 028U 40FS24 60 4K30 COLD CG  | 3,97   | IK08     | 209x493          |
| 3196967 | RVX 028U 40FS08 60 4K30 COLD     | 7,46   | IK08     | 209x950          |
| 3196973 | RVX 053U 40TF06 60 8K48 COLD     | 4,79   | IK09     | 209x603          |
| 3196974 | RVX 053U 40FS08 60 8K48 COLD     | 7,46   | IK09     | 209x950          |
| 3196977 | RVX 077U 40TF06 60 12K7 COLD     | 6,93   | IK07     | 209x890          |
| 3196978 | RVX 077U 40FS08 60 12K7 COLD     | 7,82   | IK07     | 209x1030         |
| 3196982 | RVX 103U 40TF06 60 16K0 COLD     | 9,05   | IK08     | 209x1176         |
| 3196986 | RVX 128U 40TF06 60 20K0 COLD     | 11,7   | IK09     | 209x1462         |
| 3196961 | RVX 028U 40FS08 60 4K30 COLD HRC | 7,20   | IK08     | 209x603          |
| 3196964 | RVX 077U 40TF08 60 12K7 COLD HRC | 9,77   | IK07     | 209x890          |

\*Sample is the technical size chart.



# REVOLED-X

## STERILE



### Standard Features

|              |                                        |
|--------------|----------------------------------------|
| Housing      | : Aluminium profile housing            |
| Diffuser     | : Tempered glass with security film    |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105° |
| IP Grade     | : IP66                                 |
| Installation | : Surface mounted                      |
| Light Source | : LED                                  |

### Optical & Electrical Features

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Power             | : 28W / 53W / 77W / 103W / 128W                 |
| Lumen             | : 4294lm / 8481lm / 12760lm / 16041lm / 20606lm |
| Efficacy          | : 150-160lm/W                                   |
| Input Voltage     | : 220-240 V                                     |
| Frequency         | : 50-60 Hz                                      |
| Power Factor      | : > 0,9                                         |
| Color Temperature | : 3000K / 4000K / 5700K / 6500K                 |
| CRI               | : > 80                                          |

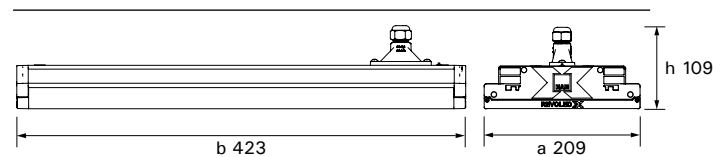
\*Technical specifications have  $\pm 10$  tolerance.

### Other Features & Conditions

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | : -20 °C / +45 °C             |
| Operating Temp (ACK)  | : +5 °C / +35 °C              |
| Impact Resistance     | : IK09**                      |
| Led Life Time - L70   | : > 102.000 hours @Ta = 45 °C |

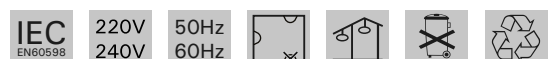


### Technical Drawing



### Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



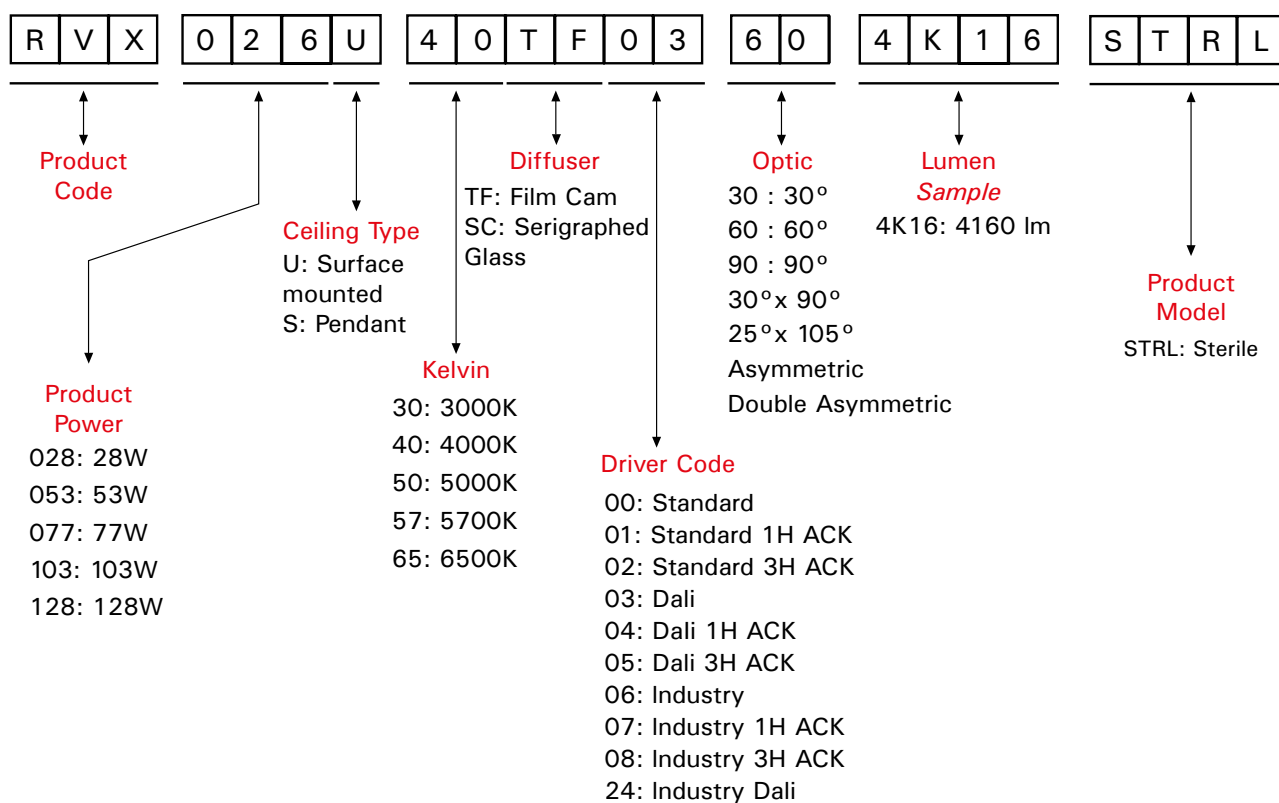
-20°C +45°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                                  | Weight | Strength | Dimensions (axb) |
|---------|----------------------------------|--------|----------|------------------|
| 3179831 | RVX 028U 40FS00 60 4K30 STRL     | 3,24   | IK08     | 209x423          |
| 3179851 | RVX 028U 40FS03 60 4K30 STRL CG  | 3,77   | IK08     | 209x493          |
| 3179832 | RVX 028U 40FS02 60 4K30 STRL     | 7,26   | IK08     | 209x950          |
| 3179853 | RVX 053U 40TF00 60 8K48 STRL     | 4,59   | IK09     | 209x603          |
| 3179854 | RVX 053U 40FS02 60 8K48 STRL     | 7,26   | IK09     | 209x950          |
| 3179857 | RVX 077U 40TF00 60 12K7 STRL     | 6,73   | IK07     | 209x890          |
| 3179858 | RVX 077U 40FS02 60 12K7 STRL     | 7,62   | IK07     | 209x1030         |
| 3179861 | RVX 103U 40TF00 60 16K0 STRL     | 8,85   | IK08     | 209x1176         |
| 3179865 | RVX 128U 40TF00 60 20K0 STRL     | 11,5   | IK09     | 209x1462         |
| 3187823 | RVX 028U 40FS02 60 4K30 STRL HRC | 7,00   | IK08     | 209x603          |

\*Sample is the technical size chart.



# REVOLED-X SPORT



## Standard Features

|              |                                                            |
|--------------|------------------------------------------------------------|
| Housing      | : Aluminium profile housing                                |
| Diffuser     | : Tempered glass with security film + protective wire mesh |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105°                     |
| IP Grade     | : IP66                                                     |
| Installation | : Surface mounted                                          |
| Light Source | : LED                                                      |

## Optical & Electrical Features

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Power             | : 28W / 53W / 77W / 103W / 128W                 |
| Lumen             | : 4294lm / 8481lm / 12760lm / 16041lm / 20606lm |
| Efficacy          | : 150-160lm/W                                   |
| Input Voltage     | : 220-240 V                                     |
| Frequency         | : 50-60 Hz                                      |
| Power Factor      | : > 0,9                                         |
| Color Temperature | : 3000K / 4000K / 5700K / 6500K                 |
| CRI               | : >80                                           |

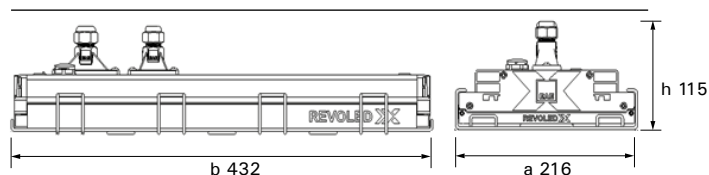
\*Technical specifications have  $\pm 10$  tolerance.

## Other Features & Conditions

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | : -20 °C/ +45 °C             |
| Operating Temp (ACK)  | : +5 °C/ +35 °C              |
| Impact Resistance     | : IK10                       |
| Led Life Time - L70   | : > 102.000 hours @Ta= 45 °C |



## Technical Drawing



## Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



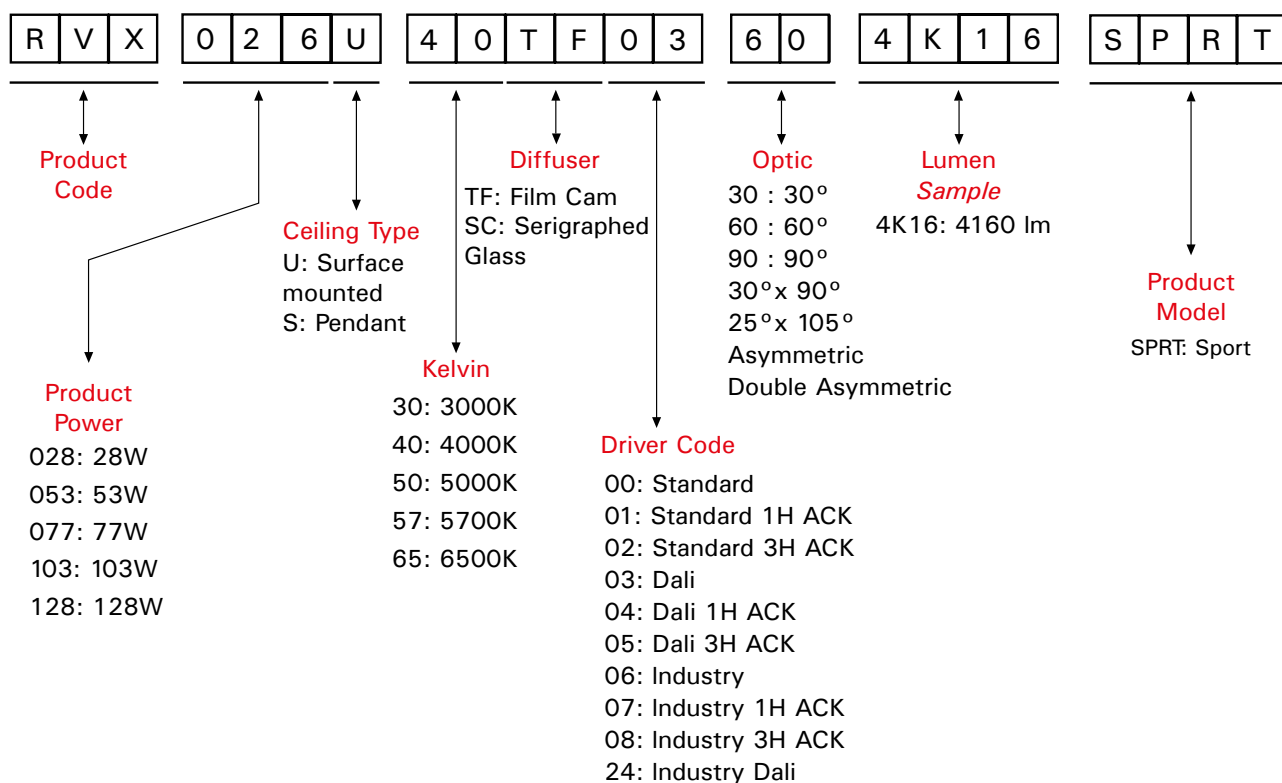
-20°C +45°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

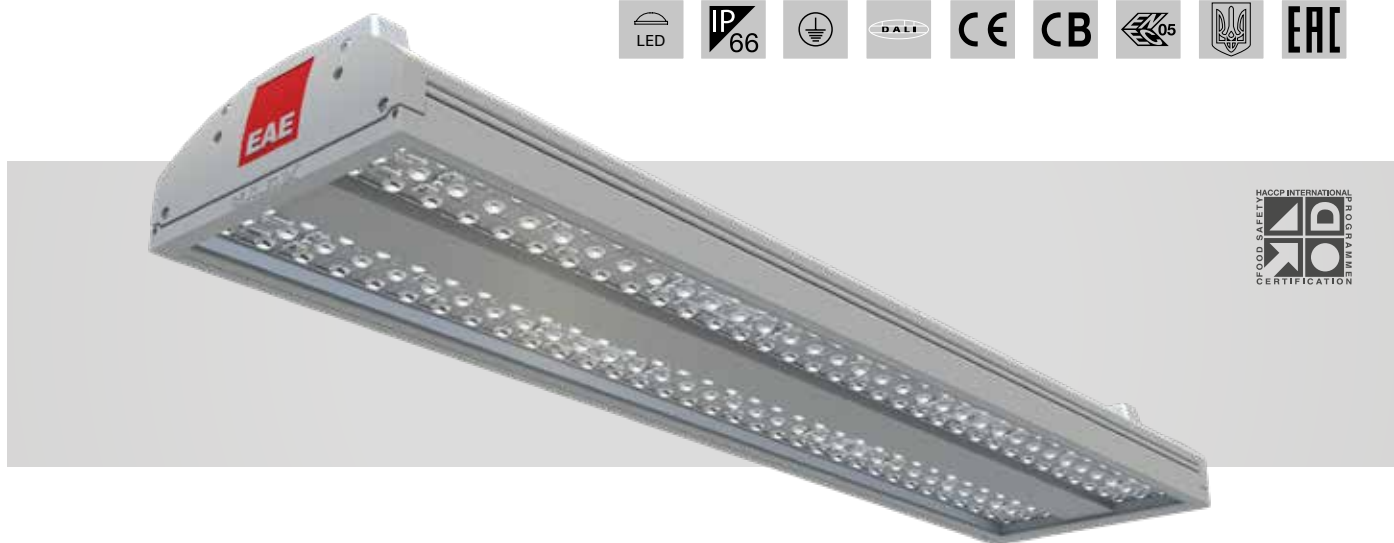
| SAP     |                                  | Weight | Strength | Dimensions (axb) |
|---------|----------------------------------|--------|----------|------------------|
| 3197186 | RVX 028U 40FS00 60 4K30 SPRT     | 3,64   | IK08     | 216x432          |
| 3197189 | RVX 028U 40FS03 60 4K30 SPRT CG  | 4,20   | IK08     | 216x501          |
| 3197187 | RVX 028U 40FS02 60 4K30 SPRT     | 8,08   | IK08     | 216x957          |
| 3197196 | RVX 053U 40TF00 60 8K48 SPRT     | 5,15   | IK09     | 216x610          |
| 3197197 | RVX 053U 40FS02 60 8K48 SPRT     | 8,08   | IK09     | 216x957          |
| 3197202 | RVX 077U 40TF00 60 12K7 SPRT     | 7,57   | IK07     | 216x897          |
| 3197203 | RVX 077U 40FS02 60 12K7 SPRT     | 8,75   | IK07     | 216x1037         |
| 3197207 | RVX 103U 40TF00 60 16K0 SPRT     | 9,98   | IK08     | 216x1183         |
| 3197211 | RVX 128U 40TF00 60 20K0 SPRT     | 12,39  | IK09     | 216x1470         |
| 3197188 | RVX 028U 40FS02 60 4K30 SPRT HRC | 7,27   | IK08     | 216x610          |
| 3197198 | RVX 053U 40TF02 60 8K48 SPRT HRC | 7,27   | IK09     | 216x610          |
| 3197204 | RVX 077U 40TF02 60 12K7 SPRT HRC | 9,87   | IK07     | 216x897          |

\*Sample is the technical size chart.



# REVOLED-X

## FOOD



### Standard Features

|              |                                                                |
|--------------|----------------------------------------------------------------|
| Housing      | : Aluminium profile housing,<br>Ral 9003 Antibacterial Painted |
| Diffuser     | : Tempered glass with security film                            |
| Optic        | : 30° / 60° / 90° / 30°x90° / 25°x105°                         |
| IP Grade     | : IP66                                                         |
| Installation | : Surface mounted                                              |
| Light Source | : LED                                                          |

### Optical & Electrical Features

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Power             | : 28W / 53W / 77W / 103W / 128W                     |
| Lumen             | : 4362lm / 8663lm / 13000 lm / 16364lm /<br>21078lm |
| Efficacy          | : 150-160lm/W                                       |
| Input Voltage     | : 220-240 V                                         |
| Frequency         | : 50-60 Hz                                          |
| Power Factor      | : > 0,9                                             |
| Color Temperature | : 3000K / 4000K / 5700K / 6500K                     |
| CRI               | : > 80                                              |

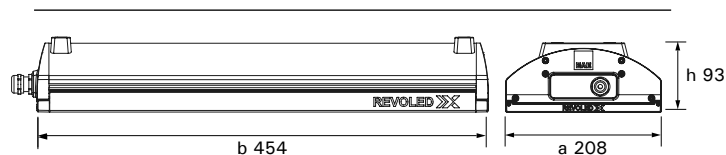
\*Technical specifications have  $\pm 10$  tolerance.

### Other Features & Conditions

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | : -20 °C/ + 45 °C             |
| Operating Temp (ACK)  | : + 5 °C/ + 35 °C             |
| Impact Resistance     | : IK09**                      |
| Led Life Time - L70   | : > 102.000 hours @Ta = 45 °C |



### Technical Drawing



### Optional Features

|                       |                                 |
|-----------------------|---------------------------------|
| Optic                 | : Asymmetric, Double Asymmetric |
| Emergency Kit Options | : 1-3 hours                     |
| DALI Option           | : Yes                           |



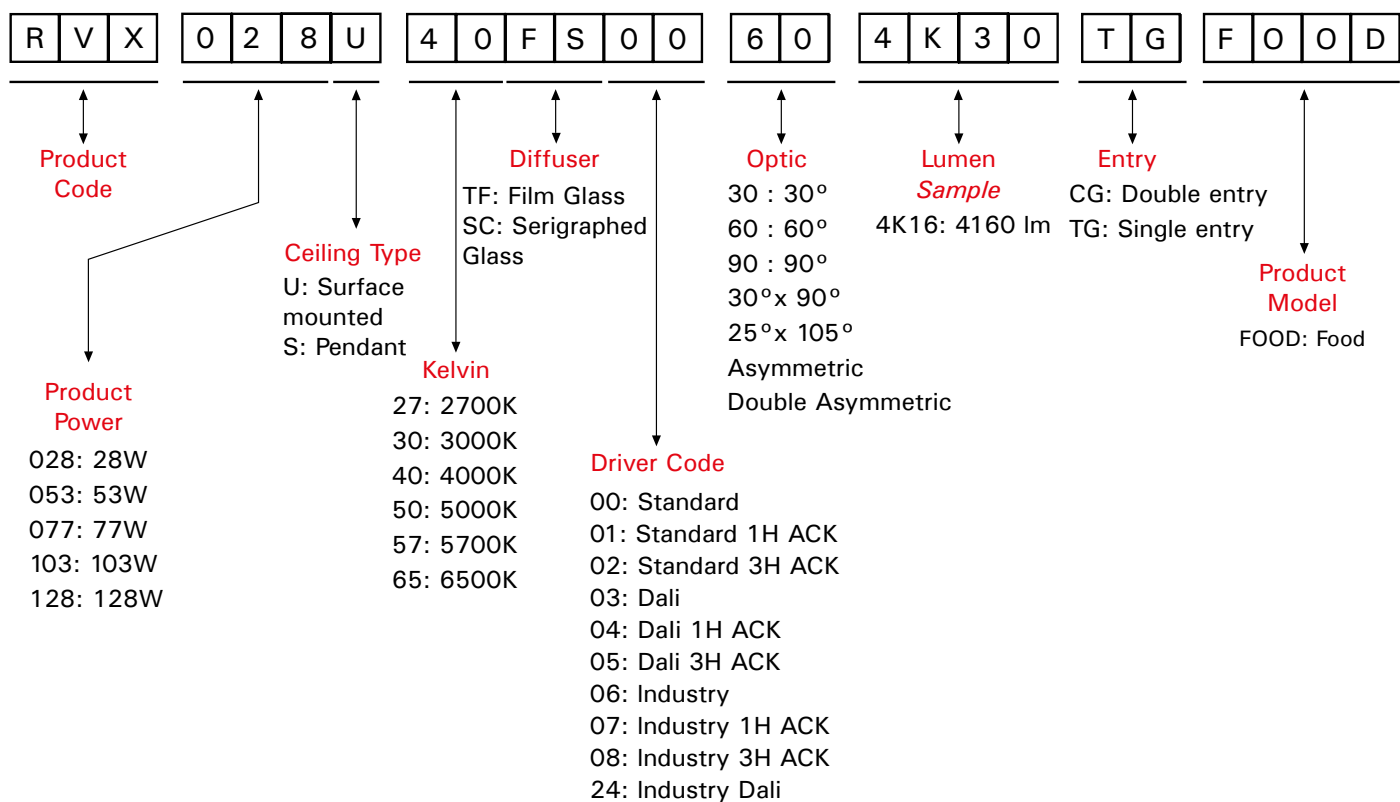
-20°C +45°C



\*Technical data are written according to 60° optical values. For other options, you can visit our website or contact the sales representative.

| SAP     |                              | Weight | Strength | Dimensions (axb) |
|---------|------------------------------|--------|----------|------------------|
| 3201437 | RVX 028U 40TF00 60 4K30 FOOD | 3,24   | IK08     | 208x454          |
| 3201441 | RVX 053U 40TF00 60 8K48 FOOD | 4,59   | IK09     | 208x634          |
| 3201446 | RVX 077U 40TF00 60 12K7 FOOD | 6,73   | IK07     | 208x920,5        |
| 3201450 | RVX 103U 40TF00 60 16K0 FOOD | 8,85   | IK08     | 208x1207         |
| 3201454 | RVX 128U 40TF00 60 20K0 FOOD | 10,87  | IK09     | 208x1494         |

\*Sample is the technical size chart.



# SMARTLOG RF

Manager ideal lightening scenario for logistic warehouses with wireless communication (RF).



## RF CONTROL SCENARIOS

Automatic control opportunity sensitive to movement and daylight. The corridors where only movement is perceived ensure high energy saving actively. ON and OFF mode for all armatures.



## VERTICAL BUSBAR ASSEMBLY

If the rack layout architecture varies, it does not require intervention in the busbar installation. It provides low busbar cost with less busbar usage. Practical and fast assembly...

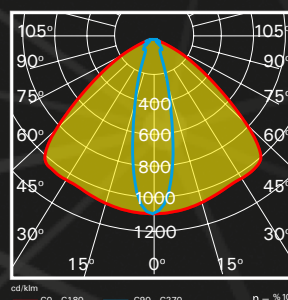
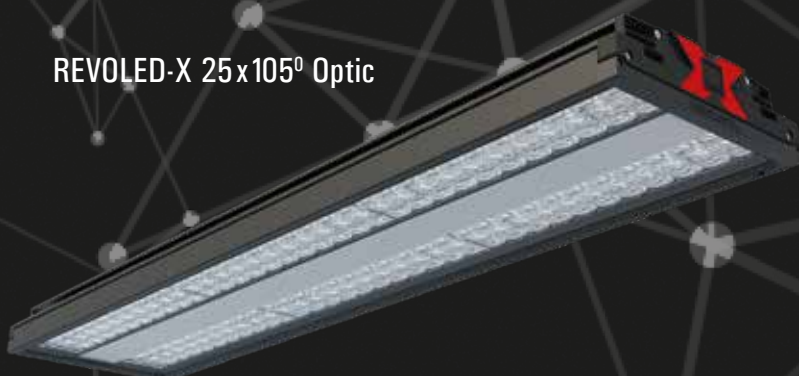


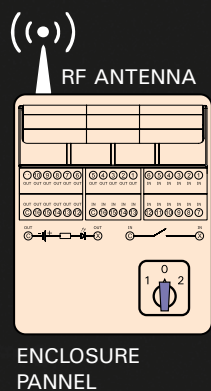
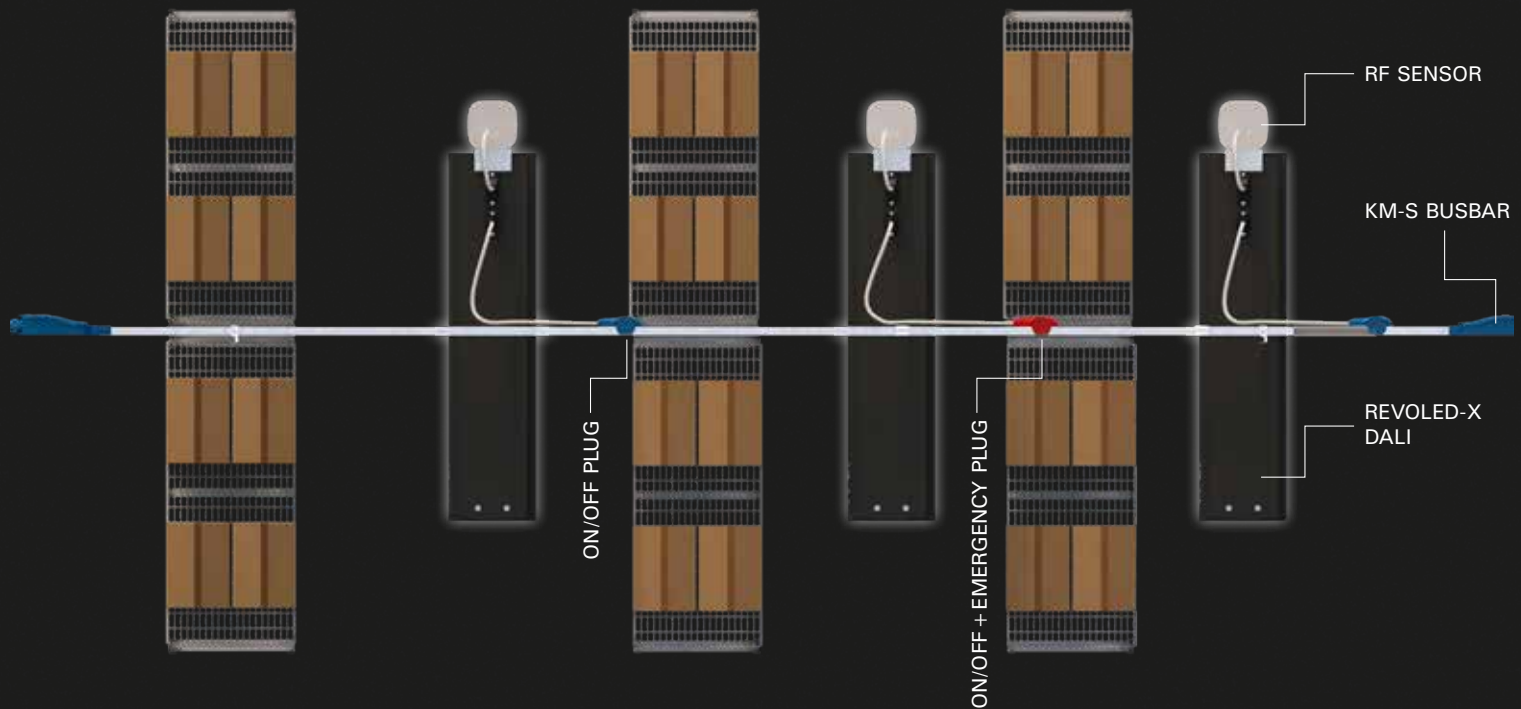
## SPECIAL OPTICAL REVOLVED-X

It offers high energy saving and low armature cost by ensuring ideal homogenic and lightness level with less number of armature.



REVOLVED-X 25x105° Optic





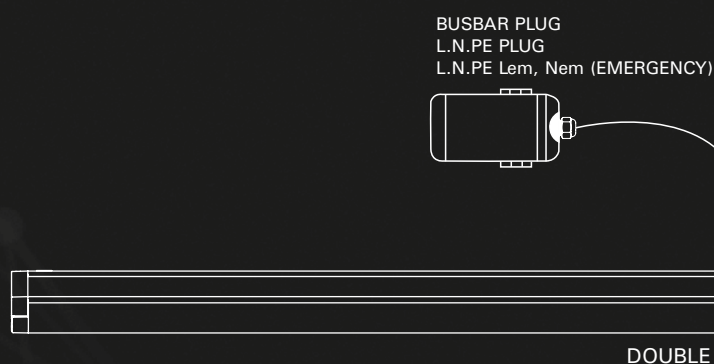
#### PAKO SWICTH 3 STEP

STEP '0' : FULL OFF

STEP '1' : FULL ON

STEP '2' : SENSOR ACTIVE / AUTOMATIC

## PRODUCTION / 4 PIN CONNECTOR

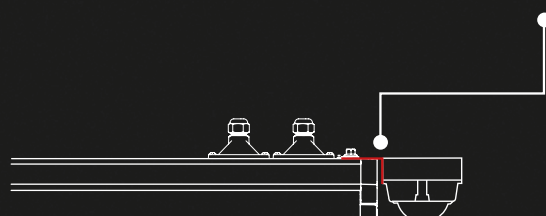


4 PIN CONNECTOR TECHNO

MALE (sensor)  
THB 4'LU DISI JAK IP66 TR  
1024709

FEMALE (luminaire)  
THB 4'LU ERKEK JAK IP66 TR  
1023129

2 PIN for DALI  
2 PIN for L/N



## CERTIFICATION AND TESTS



EAE Lighting bases its studies on “Light Engineering” upon the measurements and assessments carried out in its laboratory established in 2007.

Our laboratory has been accredited, namely officially recognized for the safety standard EN 6598 concerning lightening armatures in KEMA (purchased by DEKRA in 2009) of which the headquarters is situated in the Netherlands. Today, all tests including SMT, namely post-audited manufacturer tests of lightening armatures are carried out by EAE Lighting laboratory and the certification is performed by DEKRA. The members off laboratory team are also certified by KEMA (DEKRA).



Endurance Test and Thermal Test  
Endurance Test -40 ~ + 80  
Endurance Test + 30 ~ + 150

## Thermal Test

Insulation resistance and electrical strength

## Electrical strength

Touch current

Earthing system

## Mechanical tests

Mechanical Strength

Screws, connections (mechanical) and glands

## Vibration Test

Corrosion resistance test

Hangers, fasteners and adjustment assembly

## External and internal wiring

Protection against electric shock

## Photometric tests

Goniophotometry 1

Goniophotometry 2

Ulbricht sphere

Reflectance and Light Transmittance

## Optical Radiation safety test

Resistance to dust, solid objects and moisture

## Humidity cabinet

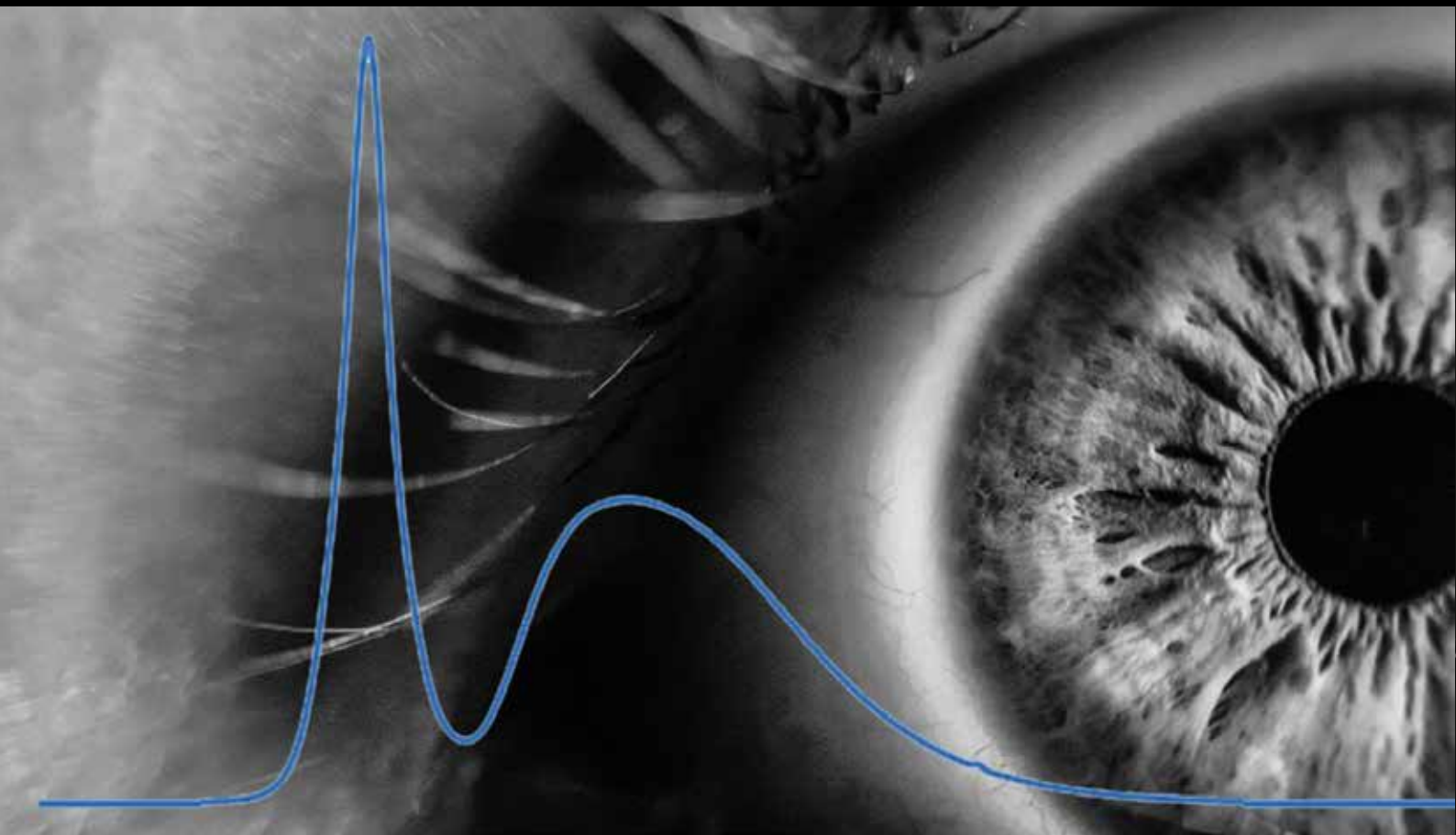
Plastic tests

Needle flame test

Glow-Wire

Resistance to arc tracking

## PHOTOBIOLOGICAL SAFETY



In lightening armatures with LED, photobiological safety standard must be necessarily applied against damage of light to eye and skin and blue light hazard.

Regarding photobiological safety, photobiological safety standard must be necessarily applied against damage of light to eye and skin and **BLUE LIGHT HAZARD** in solid state lightening products such as LEDs, LED modules, lightening armatures with LED.

Wavelength spectrum of armatures emitting white light in different CCT values are given in Figure 1. When wavelength spectrum is reviewed in lightening armatures (those with white light and / or narrow-band radiation), it is observed that the armatures can emit even a

very small amount of pre-violet and / or infrared radiation. It is known that the light emitted in the specified region leads to damage in eye (on cornea/retina) and skin. LEDs used in lightening armatures must be certified regarding that they do not damage especially eye and skin layer in photobiological aspect in accordance with the standards. According to the standard EN 62471 of the European Union in this regard, the products that radiate between 200nm and 3000nm are subject to the tests within the scope of this standard.



EAE Lighting photobiological test laboratory

**Revoled-X** product family belong to RG1 group. Maximum exposure time to RG1 armatures is 100 seconds. Exposure to a direct light source for less than 100 seconds under ordinary conditions of use is not considered hazardous.

## INDUSTRIAL PRODUCTS



SROUND V.3



PB2



REVOLED-S V.3



LINA ETANJ V.3  
PG RAKOR



GALIS



ARKTOS



RA V.3



PROLIT V.3



PROLIT KOMPAKT



PROLIT-M PR V.2



GPRONA



SPRONA



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# REVOLED>>>

Come together experience with next

EAE LIGHTING-Brochure **REVOLED-X - EN** - Uptade Date: 05.04.2021  
EAE. is provided with the right to perform changes deemed necessary without notifying in advance.  
Please contact us for further information about products and details partaking in catalogue.



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*engineering the light*