



## Product Data Sheet

LED architektonické svítidlo s vysokým krytím

**SHYLUX LED FL 24V 86W**  
**DMX512 20° IP66**  
**SL1102UC-36**



Order number

**912600289**

Unit EAN13 code

**8595209944153**

### General information

|                                      |  |
|--------------------------------------|--|
| Model/Description                    | <b>LED reflektor</b>                                     |
| Finish                               | <b>20°</b>   |
| Brand/Manufacturer                   | <b>SHYLUX</b>  |
| Material                             | <b>Aluminium/sklo</b>                                    |
| Nominal service life (h)             | <b>50000 h</b>   |
| Degree of protection (IP)            | <b>IP66</b>  |
| Dimmable                             | <b>ano</b>   |
| Lamp voltage (V)                     | <b>24 V</b>  |
| With light sensor                    | <b>ne</b>  |
| Suitable for suspended mounting      | <b>ne</b>  |
| Lamp type                            | <b>LED</b>   |
| Nominal voltage (V)                  | <b>24 V</b>  |
| Degree of protection (IP)            | <b>IP66</b>  |
| Suitable for number of lamps         | <b>1</b>   |
| Suitable for wall mounting           | <b>ano</b>   |
| Control gear included                | <b>ne</b>  |
| Suitable for traverse mounting       | <b>ano</b>   |
| Suitable for pedestal/floor mounting | <b>ano</b>   |
| Suitable for light-track mounting    | <b>ne</b>  |
| Suitable for clamp-mounting          | <b>ne</b>  |
| Suitable for ceiling mounting        | <b>ano</b>   |
| Název položky                        | <b>SHYLUX LED FL 24V 86W DMX512 20° IP66 SL1102UC-36</b> |

### Electrical characteristics

|                 |             |
|-----------------|-------------|
| Nominal wattage | <b>86 W</b> |
|-----------------|-------------|

|                                |        |
|--------------------------------|--------|
| Rated power (W)                | 86 W   |
| Operating voltage (V)          | 24 V   |
| Type of Voltage                | DC     |
| Direct connection to the mains | Ne     |
| Voltage type                   | DC     |
| Suitable for lamp power        | 86 W   |
| Nominal current (A)            | 3,58 A |
| System power                   | 86 W   |
| Jmenovité napětí               | 24 V   |

### Working conditions

|   |                                      |
|---|--------------------------------------|
| Integrated driver                           | ne                                   |
| Dimmable range                              | 0 - 100 %                            |
| Ambiente temperature for max. luminous flux | 0 °C                                 |
| Application                                 | Venkovní architektonické osvětlování |
| Suitable for through-wiring                 | Ne                                   |
| Lamp holder type                            | Ostatní                              |
| With movement sensor                        | ne                                   |
| Type of control gear                        | Neuvedeno                            |
| Ambient temperature                         | -25/+50 °C                           |
| Fire resistance "D"                         | ano                                  |
| Type of dimming                             | DMX                                  |
| Driver included                             | ne                                   |

### Mounting methods/application

|                 |           |
|-----------------|-----------|
| Mounting method | Přisazená |
|-----------------|-----------|

### Physical characteristics

|                   |               |
|-------------------|---------------|
| Type of chip      | CREE          |
| Dimensions (mm)   | Ø220 x 312 mm |
| Packing method    | 1             |
| Weight gross      | 6420 g        |
| Width             | 234 mm        |
| Outer diameter    | 220 mm        |
| Reflector         | Ostatní       |
| Colour housing    | Šedá          |
| Weight netto      | 6190 g        |
| Cable length      | 500 mm        |
| Length            | 200 mm        |
| Height/depth (mm) | 312 mm        |
| Material housing  | Aluminium     |
| RAL-number (akin) | 9023          |
| Impact strength   | IK10          |
| Type of surface   | Matný         |
| Number of LEDs    | 36            |
| Adjustability     | Horizontálně  |

## EuP Parameters

|  |              |
|--|--------------|
| Average Lifetime B50 (h)                               | 50000 h      |
| Luminescence Life maintenance factor                   | 70 %         |
| Factor of functional reliability (LSF) after nom. life | 50 %         |
| Time to 60 % luminous flux                             | <0,3 s       |
| Number of maximal switching cycles                     | >100000      |
| The rate of premature failures                         | <1 %         |
| Colour difference                                      | 0,75 %       |
| Rated service life                                     | 50000 h      |
| Energy consumption (AGGR)                              | 90 kWh/1000h |
| Turn-on time   | <0,3 s       |

## Additional information

|           |     |
|-----------|-----|
| With lamp | ano |
|-----------|-----|

## Lighting characteristics

|                            |              |
|----------------------------|--------------|
| Light Colour               | RGB          |
| Wavelength range           | 380 - 780 nm |
| Luminous flux              | 6511 lm      |
| Colour rendering index CRI | 75 Ra        |
| Light sharing              | Symetrické   |
| Radiation angle            | Úzký úhel    |
| Effective luminous flux    | 6511 lm      |
| Colour                     | RGB          |
| Beam angle Degrees (°)     | 20 °         |

## Safety information

|                     |  |
|---------------------|--|
| Insulation class    | Třída III                                  |
| Safety instructions | <a href="http://www.nbb.cz">www.nbb.cz</a> |
| Protection class    | Bezpečným napětím                          |

## Environmental characteristics

|                 |         |
|-----------------|---------|
| Mercury content | 0,00 mg |
|-----------------|---------|

## Energetic characteristics

|                             |            |
|-----------------------------|------------|
| Lamp Power factor (PF)      | >0,9       |
| Rated efficiency after 100h | 99,99 %    |
| Lamp efficacy               | 75,70 lm/W |

## Exclusion of liability

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## Notice

Under the scope of Act 185/2001 Coll. as amended, this product is included in waste group 5 (light sources and luminaires). In view of the harmful effects of mercury on the environment and on human health, the creators of group 5 waste (consumers) are obliged to dispose of used light sources for recycling. Do not throw this product into mixed waste after use. Take it to the nearest store, collection yard, or other designated location for free recycling. You can also dispose of the used products for recycling in our sales outlets or in collection points of collective recycling systems or municipal collection yards. Ecological

recycling of waste electrical and electronic equipment is ensured through the RETELA collective system ([www.retela.cz](http://www.retela.cz)).

### **Notice**

Single LED chip failure, luminous flux deviation +/- 10% as well as chromaticity deviation +/- 150K are in compliance with applicable standards and are not a reason for complaint.

### **Popis**

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