

# PRODUCT DATASHEET

## LN MR SWITCH 600 P 11W ML 83040

LINEAR MR SWITCH | Mirror light with Multi Select function, manual switch and up to 130 lm/W



### Areas of application

- Sanitary areas
- Bathrooms (IP44)
- Direct replacement for luminaires with incandescent or fluorescent lamps

### Product benefits

- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- High color consistency with SDCM 3
- Tool-free electrical connection due to push button connector
- Toolless assembly of the luminaire

### Product features

- Wall-mounted luminaire with direct light emission
- Manual on-/off switch on the metal housing
- Type of protection: IP44
- Impact resistance: IK03
- White painted metal housing (like RAL: 9003)
- Through-wiring possible
- Lifetime (L80/B10): up to 75,000 h (at 25 °C)
- Diffuser and end cap material: Polycarbonate (PC)
- Luminaire length: 560 mm



- High luminous efficacy: up to 130 lm/W

## TECHNICAL DATA

### Electrical data

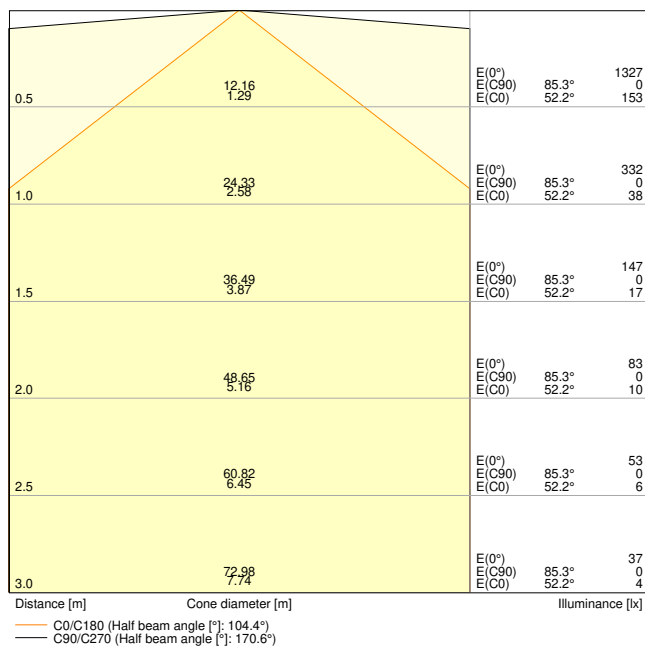
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 11 W / 8 W / 6 W      |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 290...210...150 mA    |
| Inrush current                                              | 12 A                  |
| Inrush current time $T_{h50}$                               | 120 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 52                    |
| Max. number of luminaires per miniature circuit breaker C10 | 39                    |
| Max. number of luminaires per miniature circuit breaker C16 | 62                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 30 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

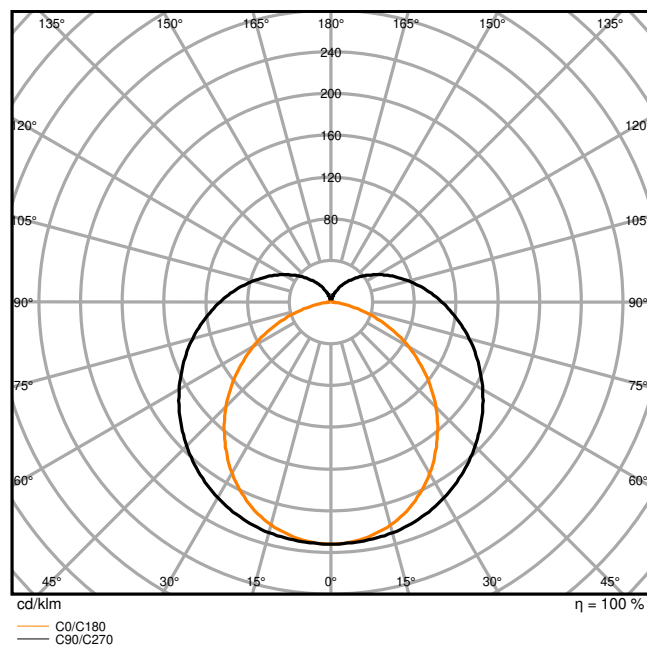
|                                              |                                          |
|----------------------------------------------|------------------------------------------|
| Luminous flux                                | 1430 lm / 1040 lm / 780 lm <sup>1)</sup> |
| Luminous efficacy                            | 130 lm/W <sup>2)</sup>                   |
| Color temperature                            | 3000 K / 4000 K                          |
| Light color (designation)                    | Warm White / Cool White                  |
| Color rendering index Ra                     | > 80                                     |
| Standard deviation of color matching         | < 3 sdcn                                 |
| Low flicker                                  | Yes                                      |
| Flickering metric (Pst LM)                   | < 1                                      |
| Stroboscope effect metric (SVM)              | < 0.4                                    |
| Photobiological safety group acc. to EN62778 | RG0                                      |
| Photobiological safety group acc. to EN62471 | RG0                                      |
| Beam angle                                   | 120 °                                    |

1) 1320 lm / 960 lm / 720 lm @3000K

2) 120 lm/W @ 3000K



LN MR 600 Switch 4000K 1430lm



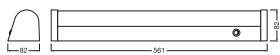
LN MR 600 Switch 4000K 1430lm

## Adjustable attributes

| Nominal wattage | Color temperature | Luminous flux | Luminous efficacy |
|-----------------|-------------------|---------------|-------------------|
| 11 W            | 4000 K            | 1430 lm       | 130 lm/W          |
| 11 W            | 3000 K            | 1320 lm       | 120 lm/W          |
| 8 W             | 4000 K            | 1040 lm       | 130 lm/W          |
| 8 W             | 3000 K            | 960 lm        | 120 lm/W          |
| 6 W             | 4000 K            | 780 lm        | 130 lm/W          |
| 6 W             | 3000 K            | 720 lm        | 120 lm/W          |

## Dimensions &amp; Weight

|                |           |
|----------------|-----------|
| Length         | 561.00 mm |
| Width          | 82.00 mm  |
| Height         | 82.00 mm  |
| Product weight | 800.00 g  |



LINEAR MIRROR

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| RAL Color (most similar)                   | RAL 9016           |
| Body material                              | Aluminum           |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 750 °C             |
| Mercury content                            | 0.0 mg             |

Application & Mounting

|                                        |                                       |
|----------------------------------------|---------------------------------------|
| Ambient temperature range              | -20...+45 °C                          |
| Temperature range at storage           | -20...+80 °C                          |
| Type of connection                     | Screwless terminal, 3-POLE (L, N, PE) |
| Type of protection                     | IP44                                  |
| Protection class IK (shock resistance) | IK03                                  |
| Dimmable                               | No                                    |
| Mounting type                          | Surface                               |
| Mounting location                      | Wall                                  |
| Application environment                | Indoor                                |
| Adjustable                             | No                                    |
| With light source                      | Yes                                   |
| Replaceable light source               | No                                    |

Lifespan

|                           |                        |
|---------------------------|------------------------|
| Lifespan L70/B50 at 25 °C | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C | 75000 h <sup>1)</sup>  |
| Lifespan L80/B50 at 25 °C | 75000 h                |
| Lifespan L90/B10 at 25 °C | 50000 h                |

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 50000 |
|----------------------------|-------|

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Control gear

|                             |                    |
|-----------------------------|--------------------|
| Output current              | 290...210...150 mA |
| ECG - Output ripple current | < 30 %             |

### Certificates & Standards

|                                                      |                                   |
|------------------------------------------------------|-----------------------------------|
| Standards                                            | CE / CB / ENEC / UKCA / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | Yes                               |
| Ball shot safe                                       | No                                |
| EPD                                                  | LEDV-00044-V01.01-EN              |

### Additional product data

|                |              |
|----------------|--------------|
| Added function | MULTI SELECT |
|----------------|--------------|

### Accessories Optional

| Product image                                                                      | Product name      | EAN           |
|------------------------------------------------------------------------------------|-------------------|---------------|
|  | LN MR END CAPS CR | 4058075849440 |

### EQUIPMENT / ACCESSORIES

- Mounting screws and dowels included
- Chrome-plated end caps available separately for visual enhancement

### Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | LINEAR MIRROR                      |
|    | Addon technical information            | LN MR 600                          |
|    | Legal information                      | Safety Insert G11205497            |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|    | Legal information                      | LN MR SENSOR_SWITCH                |
|    | Declarations of conformity             | LN MR                              |
|    | Declarations of conformity UKCA        | LN MR                              |
|    | Certificates                           | ENEC LN MR                         |
|   | EPD                                    | EPD EN LINEAR MR                   |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | LN MR 600 Switch 4000K 1430lm      |
|  | LDT file (Eulumdat)                    | LN MR 600 Switch 4000K 1430lm      |
|  | ULD file (DIALux)                      | LN MR SWITCH 600 P 11W MS 840      |
|  | ROLF file (RELUX)                      | LN MR SWITCH 600 P 11W MS 840      |
|  | UGR file (UGR table)                   | LN MR 600 Switch 4000K 1430lm      |
|  | Light distribution curve type cone     | LN MR 600 Switch 4000K 1430lm      |
|  | Light distribution curve type polar    | LN MR 600 Switch 4000K 1430lm      |
| CAD/BIM files                                                                      |                                        | Document name                      |
|  | BIM Revit 3D                           | Linear Mirror                      |
|  | CAD STEP 3D                            | LN MR SWITCH                       |

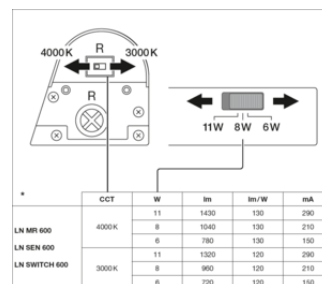
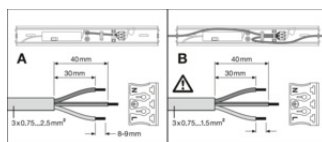
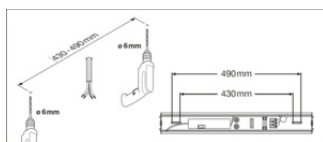
| CAD/BIM files                                                                    | Document name                               |
|----------------------------------------------------------------------------------|---------------------------------------------|
|                                                                                  |                                             |
| Tender texts                                                                     | Document name                               |
|  |                                             |
| Tender documents                                                                 | LINEAR MR SWITCH SWITCH 600 P 11W MS 840-en |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854401831 | Folding box<br>1             | 92 mm x 577 mm x 92 mm               | 880.00 g     | 4.88 dm <sup>3</sup>  |
| 4099854401848 | Shipping box<br>6            | 602 mm x 202 mm x 309 mm             | 5870.00 g    | 37.58 dm <sup>3</sup> |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## ADDITIONAL CATALOG INFORMATION



## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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