

# PRODUCT DATASHEET

## LED VALUE LINEAR HIGHBAY 100W 840 NW

LED VALUE LINEAR HIGHBAY | High-bay luminaires



### Areas of application

- Factory
- Warehouses
- Distribution centre
- Other high ceiling indoor application

### Product benefits

- Energy savings thanks to system efficacy up to 135 lm/W
- 1-10 dimming provides additional energy saving
- 3 kinds of beam angle available, Narrow (60°), Wide (90°) and High rack optic (30° x 90°), can meet different application requirements
- IP44, can be used in indoor wet environment
- Low maintenance costs thanks to long lifetime 50,000 hrs @ 35 °C

### Product features

- Available in 4 lengths: 252 mm, 491 mm, 730 mm and 969 mm
- Available with wattage: 50 W, 100 W, 150 W and 200 W
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- Available in sling suspended and bracket mounted
- Certificate: CB, RoHS

TECHNICAL DATA

Electrical data

|   |             |
|---|-------------|
| Nominal wattage   | 100.00 W    |
| Nominal voltage   | 100...240 V |
| Mains frequency   | 50...60 Hz  |
| Nominal current   | 1100.000 mA |
| Max. number of luminaires per miniature circuit breaker B16 | 2           |
| Max. number of luminaires per miniature circuit breaker C16 | 2           |
| Power factor $\lambda$                                      | > 0.90      |
| Total harmonic distortion                                   | < 20 %      |
| Protection class  | I           |

Photometrical data

|                           |               |
|---------------------------|---------------|
| Luminous flux             | 13500 lm      |
| Luminous efficacy         | 135 lm/W      |
| Color temperature         | 4000 K        |
| Light color (designation) | Neutral White |
| Color rendering index Ra  | 80            |
| Beam angle                | 60 °          |

Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 491.00 mm |
| Width          | 129.00 mm |
| Height         | 70.00 mm  |
| Product weight | 1400.00 g |



LDVAL LINEAR HB 100W

Materials & Colors

|  |          |
|--|----------|
| Product color                              | Gray     |
| Housing color                              | Gray     |
| Body material                              | Aluminum |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C   |
| Mercury content                            | 0.0 mg   |

Application & Mounting

|  |                   |
|--|-------------------|
| Ambient temperature range              | -20...+45 °C      |
| Type of connection                     | Terminal          |
| Type of protection                     | IP44              |
| Protection class IK (shock resistance) | IK06              |
| Dimmable                               | Yes               |
| Type of dimming                        | 1-10V             |
| Mounting type                          | Suspended/Surface |
| Application environment                | Indoor            |
| Mounting length                        | 491 mm            |
| Mounting width                         | 129 mm            |
| With light source                      | Yes               |
| Replaceable light source               | No                |


Certificates & Standards

|                                  |                 |
|----------------------------------|-----------------|
| Ball shot safe                   | No              |
| Replaceable light source (EPREL) | Not replaceable |

Additional product data

|                       |    |
|-----------------------|----|
| Number of illuminants | no |
|-----------------------|----|

DOWNLOAD DATA

| Photometric and lighting design files   |                | Document name               |
|---|----------------|-----------------------------|
|  | IES file (IES) | LDVAL LINEAR HB 100W 840 NW |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075660175 | Folding box<br>1             | 540 mm x 105 mm x 155 mm             | 1601.00 g    | 8.79 dm³  |
| 4058075660182 | Shipping box<br>6            | 555 mm x 345 mm x 330 mm             | 10598.00 g   | 63.19 dm³ |

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.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.