

# PRODUCT DATASHEET

## LN COMP Batten 1200 20 W 4000 K

LINEAR COMPACT BATTEN | Compact luminaires with a wiring on the back side



### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Corridors, entrance areas, stairwells, living rooms, basements
- Accent lighting
- Public areas
- Cove lighting
- Shelves, furniture integration or under cabinet mounting
- Seamless linear lighting

VALUE  
CLASS

### Product benefits

- Compact dimensions
- Little space required thanks to compact dimensions
- Seamless connection without visible cables when connected to Linear Compact High Output
- High lumen output up to 2500 lm
- Flexible application due to a wide range of available lengths of 600 to 1500 mm
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features

- Replacement for traditional T8 luminaires
- Wiring at back side of luminaire
- Translucent end caps



- Connectible at the beginning of a light line with Linear Compact High Output luminaire
- Versions with luminous flux 1000...2500 lm available
- 3 different lengths available
- High luminous efficacy: up to 100 lm/W
- Glow Wire Test according to IEC 60695-2-12: 850 °C

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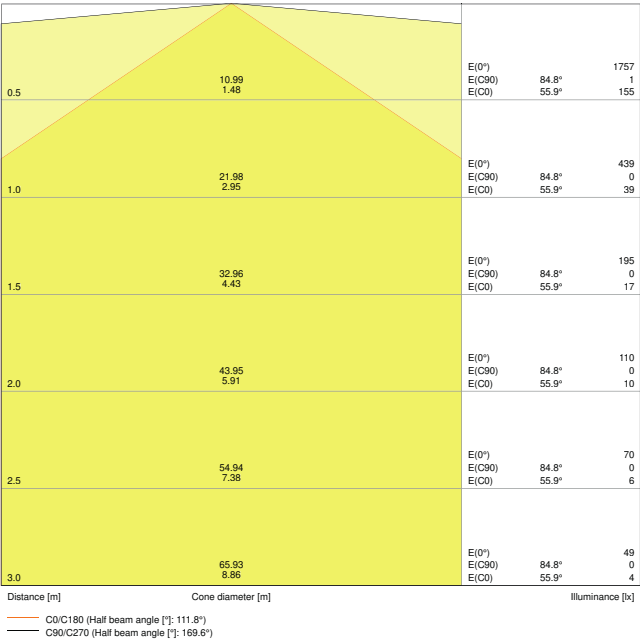
## TECHNICAL DATA

### Electrical data

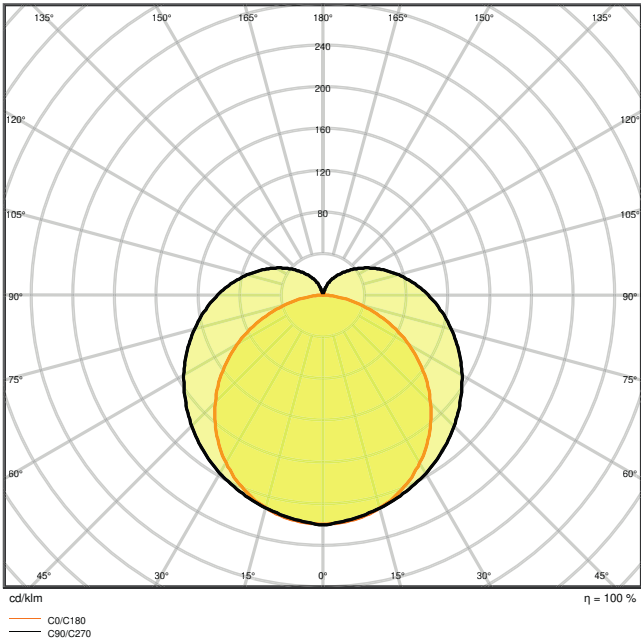
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 20.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 158 mA                |
| Inrush current                                              | 12.1 A                |
| Inrush current time $T_{h50}$                               | 150 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 40                    |
| Max. number of luminaires per miniature circuit breaker C10 | 33                    |
| Max. number of luminaires per miniature circuit breaker C16 | 54                    |
| Power factor $\lambda$                                      | > 0.50                |
| Total harmonic distortion                                   | < 30 %                |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 2000 lm              |
| Luminous efficacy                            | 100 lm/W             |
| Color temperature                            | 4000 K               |
| Light color (designation)                    | Cool White           |
| Color rendering index Ra                     | > 80                 |
| Standard deviation of color matching         | < 5 sdc <sub>m</sub> |
| Photobiological safety group acc. to EN62778 | RG0                  |
| Beam angle                                   | 140 °                |



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1175.00 mm |
| Width          | 27.00 mm   |
| Height         | 38.00 mm   |
| Product weight | 240.00 g   |



Materials & Colors

|                |                    |
|----------------|--------------------|
| Product color  | White              |
| Housing color  | White              |
| Body material  | Polycarbonate (PC) |
| Cover material | Polycarbonate (PC) |

|                                            |                    |
|--------------------------------------------|--------------------|
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

### Application & Mounting

|                                        |                              |
|----------------------------------------|------------------------------|
| Ambient temperature range              | -20...+40 °C                 |
| Type of connection                     | Screw terminal, 2-Pole (L,N) |
| Type of protection                     | IP20                         |
| Protection class IK (shock resistance) | IK03                         |
| Dimmable                               | No                           |
| Mounting type                          | Surface                      |
| Mounting location                      | Ceiling / Wall               |
| Application environment                | Indoor                       |
| With light source                      | Yes                          |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 40000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 40000 h               |
| Lifespan L90/B10 at 25 °C  | 30000 h               |
| Number of switching cycles | 100000                |

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

### Certificates & Standards

|                                                      |                               |
|------------------------------------------------------|-------------------------------|
| Standards                                            | CE / CB / TÜV SÜD / EAC / EPD |
| Luminaire with limited surface temperature, "D sign" | No                            |
| Ball shot safe                                       | No                            |
| EPD                                                  | LEDV-00019-V01.01-EN          |
| Replaceable light source (EPREL)                     | Not replaceable               |

### EQUIPMENT / ACCESSORIES

- Mounting clips included

### Safety advice

- All electrical connections must be made by a qualified person.

– Caution, risk of electric shock.

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                              |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------|
|    | User instruction / safety instructions | LINEAR COMPACT BATTEN                      |
|    | Legal information                      | LINEAR COMPACT BATTEN                      |
|    | Legal information                      | Legal insert LINEAR COMPACT AND ORBIS DISC |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG         |
|    | Declarations of conformity             | CE Certificate Linear Comp Batten          |
|    | Declarations of conformity             | Linear Batten CE Declaration               |
|   | Declarations of conformity UKCA        | LN COMP BATTEN                             |
| Photometric and lighting design files                                              |                                        | Document name                              |
|  | IES file (IES)                         | LN COMP BATTEN 1200 20W4000K               |
|  | LDT file (Eulumdat)                    | LN COMP BATTEN 1200 20W4000K               |
|  | ULD file (DIALux)                      | LINEARCOMPACTBATTEN120020W4000K            |
|  | ROLF file (RELUX)                      | LN COMP BATTEN 1200                        |
|  | UGR file (UGR table)                   | LN COMP BATTEN 1200 20W4000K               |
|  | Light distribution curve type cone     | LN COMP BATTEN 1200 20W4000K               |
|  | Light distribution curve type polar    | LN COMP BATTEN 1200 20W4000K               |
| CAD/BIM files                                                                      |                                        | Document name                              |
|  | BIM Revit 3D                           | Linear Compact                             |
|  | CAD STEP 3D                            | LN COMP BATTEN 1200                        |

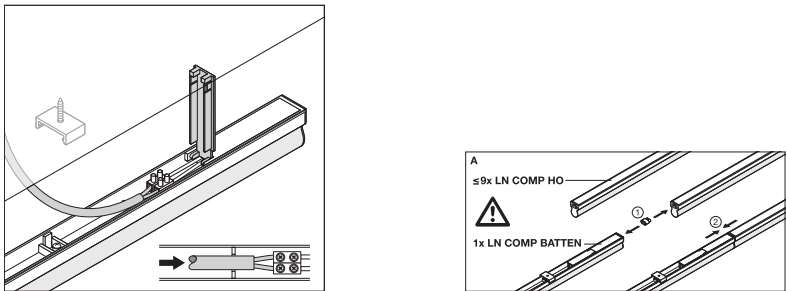
| Tender texts                                                                                       | Document name                             |
|----------------------------------------------------------------------------------------------------|-------------------------------------------|
|  Tender documents | LINEAR COMPACT BATTEN 1200 20 W 4000 K-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075099753 | Folding box<br>1             | 29 mm x 1,180 mm x 42 mm             | 295.00 g     | 1.44 dm³  |
| 4058075099760 | Shipping box<br>25           | 1,218 mm x 242 mm x 175 mm           | 8710.00 g    | 51.58 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.

ADDITIONAL CATALOG INFORMATION



References / Links

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

DISCLAIMER

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