

# PRODUCT DATASHEET

## PANEL VAL 600 EM 40 W 4000 K AT 3H

PANEL VALUE 600 EMERGENCY | Square recessed panel luminaires with integrated emergency lighting function, 600 x 600 mm



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### Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for luminaires with fluorescent lamps
- Reception areas, foyers, corridors, elevators
- Offices, conference rooms
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

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### Product benefits

- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- Value for money luminaire
- Light guide plate with micro structure made of non-yellowing material for long lifetime
- Low flicker light thanks to special electronic control gear

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### Product features

- Luminaire suited for normal lighting and emergency lighting
- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Aluminum housing, polystyrene diffuser

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## TECHNICAL DATA

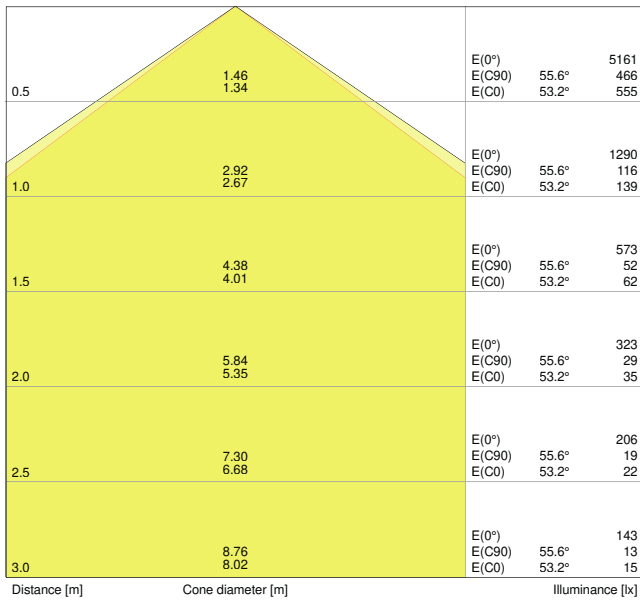
### Electrical data

|   |                     |
|---|---------------------|
| Nominal wattage   | 40.00 W             |
| Nominal voltage   | 220...240 V         |
| Mains frequency   | 50...60 Hz          |
| Nominal current   | 290.000 mA          |
| Inrush current  | 26 A                |
| Inrush current time $T_{h50}$                               | 90 $\mu$ s          |
| Max. number of luminaires per miniature circuit breaker B16 | 42                  |
| Max. number of luminaires per miniature circuit breaker C10 | 33                  |
| Max. number of luminaires per miniature circuit breaker C16 | 52                  |
| Power factor $\lambda$                                      | > 0,90              |
| Total harmonic distortion                                   | < 20 %              |
| Protection class  | II                  |
| Operating mode  | External LED driver |

### Photometrical data

|  |                    |
|--|--------------------|
| Luminous flux                                | 3600 lm            |
| Luminous efficacy                            | 90 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> |
| Low flicker                                  | Yes                |
| Photobiological safety group acc. to EN62778 | RG1                |
| Beam angle                                   | 120 °              |

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### Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 595.00 mm |
| Width          | 595.00 mm |
| Height         | 9.00 mm   |
| Product weight | 2200.00 g |



PanelLED Value 600 40W



PANEL VALUE EM

### Materials & Colors

|  |                  |
|--|------------------|
| Product color                              | White            |
| Housing color                              | White            |
| Body material                              | Steel            |
| Cover material                             | Polystyrene (PS) |
| Light emitting surface material            | Polystyrene      |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C           |
| Mercury content                            | 0.0 mg           |

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## Application & Mounting

|  |   |
|--|---|
| Ambient temperature range              | +5...+45 °C                                 |
| Temperature range at storage           | 5...+35 °C                                  |
| Type of connection                     | Screw terminal, 2-POLE (N, L, L switchable) |
| Type of protection                     | IP20  |
| Protection class IK (shock resistance) | IK03  |
| Dimmable                               | No  |
| Mounting type                          | Recessed/Suspended/Surface                  |
| Mounting location                      | Ceiling / Wall                              |
| Application environment                | Indoor                                      |
| Mounting length                        | 575 mm                                      |
| Mounting width                         | 575 mm                                      |
| Mounting depth                         | 50,0 mm                                     |

## 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 | 25000                 |

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

## BATTERY

|                             |          |
|-----------------------------|----------|
| Type of Battery             | LiFePO4  |
| Battery size [GMS]          | Others   |
| Nominal voltage of battery  | 3.2 V    |
| Nominal capacity of battery | 4500 mAh |
| Battery charging time       | < 24 h   |

## Emergency lighting

|  |   |
|--|---|
| Area of emergency application              | Anti-panic lighting / Escape route lighting |
| Type of emergency light operation          | Maintained / Non-maintained                 |
| Type of emergency operation test           | Automatic                                   |
| Wattage in maintained operation mode       | 40 W  |
| Wattage in emergency operation mode        | 3,0 W                                       |
| Luminous flux in maintained operation mode | 3600 lm                                     |

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|   |        |
|---|--------|
| Luminous flux in emergency operation mode | 360 lm |
| Battery life in emergency operation mode  | 3 h    |
| Integrated test switch                    | No     |

### Certificates & Standards

|                                  |                      |
|----------------------------------|----------------------|
| Standards                        | CE / CB / EAC / RoHS |
| Ball shot safe                   | No                   |
| Replaceable light source (EPREL) | Not replaceable      |



### Additional product data






|             |    |
|-------------|----|
| BEG subsidy | No |
|-------------|----|

### EQUIPMENT / ACCESSORIES

- External control gear included
- Control LED with a retainer for recessed installation included

### DOWNLOAD DATA

|  | Documents and certificates             | Document name                 |
|--|--|-------------------------------|
|  | User instruction / safety instructions | UI PANEL VALUE EM             |
|  | Declarations of conformity             | CE declaration of Panel Value |

|  | Photometric and lighting design files | Document name                 |
|--|---------------------------------------|-------------------------------|
|  | IES file (IES)                        | PL VAL 600 40W 4000K EM AT 3H |
|  | LDT file (Eulumdat)                   | PL VAL 600 40W 4000K EM AT 3H |
|  | UGR file (UGR table)                  | PL VAL 600 40W 4000K EM AT 3H |
|  | Light distribution curve type cone    | PL VAL 600 40W 4000K EM AT 3H |
|  | Light distribution curve type polar   | PL VAL 600 40W 4000K EM AT 3H |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075204102 | Folding box<br>1             | 646 mm x 48 mm x 737 mm              | 2715.00 g    | 22.85 dm <sup>3</sup>  |
| 4058075204119 | Shipping box<br>4            | 750 mm x 210 mm x 658 mm             | 11615.00 g   | 103.64 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.

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## References / Links

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

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