

## PRODUCT DATASHEET

# Damp proof Essential Extrusion 18W 600mm 840

Essentials Damp Proof Integrated Extrusion | Essential Damp Proof luminaires with integrated LED module made of extrusion technology

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### Areas of application

- Basements, garages, warehouses



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### Product benefits

- Easy installation
- Suitable for use in dusty and damp outdoor locations thanks to high IP rating

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### Product features

- Robust damp-proof luminaire made from the same mold
- Easy connectable cable gland



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**TECHNICAL DATA****Electrical data**

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 18.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 140.000 mA            |
| Inrush current time $T_{h50}$                               | 23 $\mu$ s            |
| Max. number of luminaires per miniature circuit breaker B16 | 42                    |
| Max. number of luminaires per miniature circuit breaker C10 | 34                    |
| Max. number of luminaires per miniature circuit breaker C16 | 54                    |
| Power factor $\lambda$                                      | $\geq 0.5$            |
| Total harmonic distortion                                   | < 150 %               |
| Protection class                                            | II                    |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                                |            |
|------------------------------------------------|------------|
| Luminous flux                                  | 2160 lm    |
| Total luminous flux of contained light sources | 2250 lm    |
| Luminous efficacy                              | 120 lm/W   |
| Color temperature                              | 4000 K     |
| Light color (designation)                      | Cool White |
| Color rendering index Ra                       | > 80       |
| Standard deviation of color matching           | 5 sdcn     |
| Photobiological safety group acc. to EN62778   | RG0        |
| Beam angle                                     | 140 °      |

**Dimensions & Weight**

|                |           |
|----------------|-----------|
| Length         | 640.00 mm |
| Width          | 36.70 mm  |
| Height         | 47.70 mm  |
| Product weight | 208.00 g  |



DP ESSENTIAL EXTRUSION 60CM  
18W840

Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | White              |
| Housing color                              | White              |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |

Application & Mounting

|                                        |               |
|----------------------------------------|---------------|
| Ambient temperature range              | -20...+40 °C  |
| Temperature range at storage           | -20...+80 °C  |
| Type of connection                     | Cable, 2-pole |
| Type of protection                     | IP65          |
| Protection class IK (shock resistance) | IK08          |
| Dimmable                               | No            |
| Mounting type                          | Surface       |
| With light source                      | Yes           |
| Replaceable light source               | No            |

Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 30000 h <sup>1)</sup> |
| Number of switching cycles | 15000                 |

<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 / UKCA       |
| Luminaire with limited surface temperature, "D sign" | No              |
| Ball shot safe                                       | No              |
| Replaceable light source (EPREL)                     | Not replaceable |

Additional product data

|                       |              |
|-----------------------|--------------|
| Number of illuminants | Not relevant |
|-----------------------|--------------|

## EQUIPMENT / ACCESSORIES

- All required accessories 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 | DAMP PROOF ESSENTIAL EXTRUSION |
|    | Legal information                      | Safety insert G11219279        |
|   | Declarations of conformity             | DP ESSENTIAL EXTRUSION 840     |
|  | Declarations of conformity UKCA        | DP ESSENTIAL EXTRUSION 840     |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854428777 | Folding box<br>1             | 42 mm x 54 mm x 647 mm               | 225.00 g     | 1.47 dm <sup>3</sup>  |
| 4099854428784 | Shipping box<br>6            | 675 mm x 135 mm x 120 mm             | 1752.00 g    | 10.94 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.

## DISCLAIMER

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