# Welby XL

## High-efficiency, easy-install luminaires for industry

The Welby XL is an easy-to-install, highly efficient luminaire for a range of industrial lighting applications.

Welby XL features high-performance, low-glare optics with broad or narrow distribution options to deliver light where it is needed most. The luminaire is supplied with versatile external mounting brackets to make installation easy. SmartScan and integral emergency versions are also available.

Applications: data centres, factory assembly areas, workshops, distribution, and storage areas.

- Narrow and broad optical distribution options
- Individual lenses provide low glare
- Versatile external mounting brackets for easy installation
- Hinged access to gear compartment
- Factory fitted 4-core through wiring option (alternative configurations to special order)
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit



**IP20** **Up to 186.3 LL/CW** SMARTSCAN LUXGUARD

## Specification

| | | | |
|---|---|---|---|
| Mounting | **Surface** | IP rating | **IP20** |
| Nominal size | **1500 mm** | Max presence detection height | **8 m** |

## Lighting

| | | | |
|---|---|---|---|
| Distribution | **Broad**<br>**Narrow** | Lumen output | **4,400 lm - 10,975 lm** |
| Efficacy | **Up to 186.3 LL/CW** | | |

## Emergency data

| | | | |
|---|---|---|---|
| Emergency lumen output | **675 lm - 690 lm** | Emergency type | **Maintained** |
| Emergency duration | **3 hours** | Battery specification | **Nickel Metal Hydride (NiMH)** |

# Welby XL

## Power

| | | | |
|---|---|---|---|
| LED power | **22 W - 64 W** | Circuit power | **24 W - 67 W** |

## Construction

| | | | |
|---|---|---|---|
| Housing | **Zinc coated steel body** | Finish | **Full polyester powder coat** |
| Body colour | **White (RAL 9016)** | Optical assembly | **Individual lenses** |

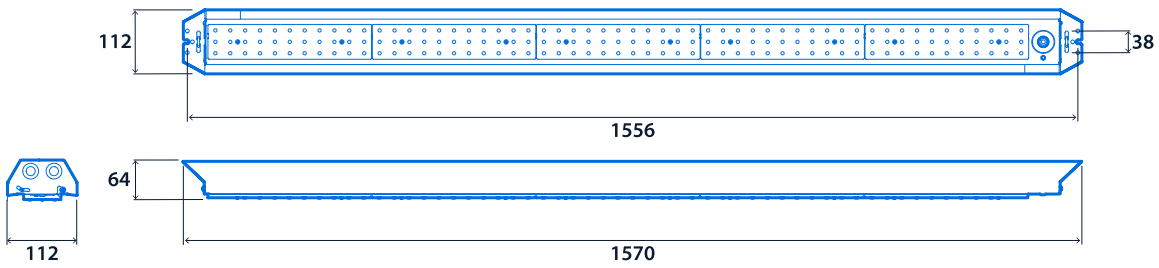
## LED characteristics

| | | | |
|---|---|---|---|
| CRI | **80+** | Colour temperature | **4000 K** |
| Rated life (hours) | **100 K - L70/B10** | LED protection | **LUX Guard** |
| Driver efficiency | **>88%** | Replaceable light source | **Yes** |
| Power factor | **>0.9** | MacAdam ellipse | **3 Step** |
| Flicker metric | **IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4** | | |

## Compliance

| | | | |
|---|---|---|---|
| UKCA | **Yes** | CE | **Yes** |
| Energy efficiency class | **This product contains a light source of energy efficiency class B** | | |

## Dimensions



# Welby XL

## Range

| Nominal size | LED power | Emergency system (optional) | Narrow | Broad | Lighting control system |
|---|---|---|---|---|---|
| 1500 mm | 22 W | **W*** / **D**** / **E**** | **WX20330** | **WX20333** | **SS / A / L** |
| | 41 W | **W*** / **D**** / **E**** | **WX20331** | **WX20334** | **SS / A / L** |
| | 64 W | **W*** / **D**** / **E**** | **WX20332** | **WX20335** | **SS / A / L** |

* **Only** available with **SS** control type ** **Only** available with **A / L** control type

**Emergency system** - prefix catalogue number with **W** SmartScan Emergency / **D** DALI / Self-Test Emergency / **E** Standard Emergency
**Lighting control system** - suffix catalogue number with **SS** SmartScan Internal / **A** Dimming (DALI) / **L** Non-dimming
**Factory fitted 4-core through wiring** - suffix catalogue number with **TW**

E.g. **WWX20330SSTW** = 22 W / Narrow / SmartScan Emergency / Narrow / SmartScan Internal / Through wiring

## Accessories

| Product code | Description | Weight |
|---|---|---|
| **IK20380** | Carabiner kit for horizontal wire mounting | 0.02 kg |



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Information is correct as of 10 Nov 2026, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.