

# Resisto 1200 HE IP66 2800lm 840

Item No: 0010232



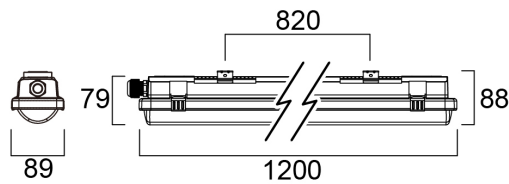
PRO



Resisto, integrated LED weatherproof luminaire, with UV stabilized flat diffuser designed to achieve uniform lit appearance, optimise light output and to reduce glare. 301 stainless steel diffuser clips and fixing brackets for surface mounting. Polycarbonate housing and diffuser - no yellow discolouration over time. 2800lm; 18W; 156lm/W; 4000K; SDCM<3; non dimmable; CRI80; IP66; IK08; Class I; 69,000hrs (L80B20) lifespan; 1200mm x 89mm x 88mm; D-mark.

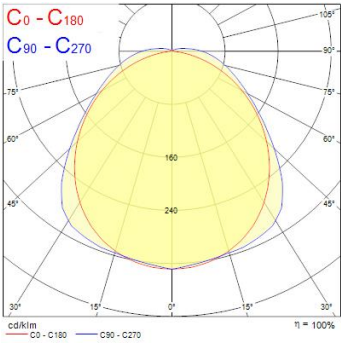
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance [m]                         | Cone diameter [m] | Half beam angle [°] | Beam diameter [m] | Beam area [m²] | Beam volume [m³] |
|--------------------------------------|-------------------|---------------------|-------------------|----------------|------------------|
| 0.5                                  | 1.38              | 1.30                | 1.38              | 1.38           | 1.38             |
| 1.0                                  | 2.75              | 2.61                | 2.75              | 2.75           | 2.75             |
| 1.5                                  | 4.13              | 3.91                | 4.13              | 4.13           | 4.13             |
| 2.0                                  | 5.51              | 5.21                | 5.51              | 5.51           | 5.51             |
| 2.5                                  | 6.88              | 6.52                | 6.88              | 6.88           | 6.88             |
| 3.0                                  | 8.25              | 7.82                | 8.25              | 8.25           | 8.25             |
| Distance [m]                         |                   |                     | Illuminance [lx]  |                |                  |
| C0 - C180 (Half beam angle: 105.0°)  |                   |                     | E(0°)             | E(90°)         | E(180°)          |
| C90 - C270 (Half beam angle: 105.0°) |                   |                     | E(0°)             | E(90°)         | E(180°)          |



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## General data

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Product name                            | Resisto 1200 HE IP66 2800lm 840                           |
| Technology                              | LED                                                       |
| Cap/Base                                | N/A                                                       |
| Housing                                 | PC Polycarbonate                                          |
| Mount                                   | Ceiling surface mounting, Suspended, Wall surface mounted |
| General application                     | Logistics & Industry                                      |
| Operating temperature range (°C)        | -20°C...+40°C                                             |
| Performance ambient temperature Tq (°C) | 25                                                        |
| ETIM Class                              | EC002892                                                  |
| E-number FI                             | 4357133                                                   |
| Warranty                                | 5 years                                                   |

## Optical data

|                                   |         |
|-----------------------------------|---------|
| Useful luminous flux (Φuse)       | 2800    |
| Fixture luminous flux (lm)        | 2800    |
| Luminaire efficacy (lm/W)         | 156     |
| Correlated colour temperature (k) | 4000    |
| CRI (Ra)                          | 80      |
| Colour Consistency (SDCM)         | 3       |
| Colour Variation Initial (SDCM)   | SDCM3   |
| Beam Angle (°)                    | 110     |
| Distribution type                 | Diffuse |
| Glare control                     | < 22    |
| Photobiological Risk Group        | RG1     |

## Electrical data

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 18                          |
| Primary Supply/Product voltage - min (V)                         | 220                         |
| Primary Supply/Product voltage - max (V)                         | 240                         |
| Lamp power factor                                                | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 20                          |
| Electrical protection                                            | Class I                     |
| Control gear type                                                | LED driver constant current |
| No. Of switching cycles before premature failures                | >50000                      |
| Dimmable                                                         | No                          |
| Dimming method                                                   | N/A                         |
| Drive current (mA)                                               | 350                         |
| Inrush Current (A)                                               | 6.1                         |
| Inrush Duration (µs)                                             | 18                          |
| Energy Efficiency Class (A->G) of contained light source         | C                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 60                          |
| Max. products per 13A C Breaker                                  | 79                          |
| Max. products per 16A C Breaker                                  | 97                          |
| Max. products per 20A C Breaker                                  | 121                         |
| Max. products per 10A B Breaker                                  | 60                          |
| Max. products per 13A B Breaker                                  | 79                          |
| Max. products per 16A B Breaker                                  | 97                          |
| Max. products per 20A B Breaker                                  | 121                         |
| Connectable conductor cross section - Max (mm²)                  | 2.5                         |

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 69000  |
| Lifespan L90 B10 | 31000  |

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## Physical data

|                             |                  |
|-----------------------------|------------------|
| Housing colour              | Grey             |
| IP rating                   | IP66             |
| IK rating                   | IK08             |
| Diffuser finish             | Frosted          |
| Diffuser material           | PC Polycarbonate |
| Nominal Product Length (mm) | 1200             |
| Nominal Product Width (mm)  | 87               |
| Nominal Product Height (mm) | 80               |
| Weight (kg)                 | 1.5              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288102320  |
| Packaging single length / height (cm) | 120.5          |
| Packaging single width (cm)           | 10.0           |
| Packaging single depth (cm)           | 8.5            |
| DUN14 (inner)                         | 05410288102320 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 120.5          |
| Packaging outer width (cm)            | 10.0           |
| Packaging outer depth (cm)            | 8.5            |

## Safety data

|                                  |        |
|----------------------------------|--------|
| Glow Wire Test (°C)              | 850    |
| Optimal operating condition (°C) | -20-40 |