

## SylBatten LED - DALI

SYLBATTEN LED 1205MM 5500LM 6000K DALI (TP5)

0045197



### Product features

- LED batten, T8 replacement, ease of installation through 2 part push-in design of the housing (safety cable included), through wiring capability (TP5 = 5 core), sheet steel, 5883LM, 53W, 111lm/W, 6000K, drive current: 350mA, CRI 80, 138° wide beam angle, DALI dimmable, IP20, IK07, 50,000 hrs (L70), (LxWxH) 1205x66x76mm, 5 step MacAdam ellipse, 3kg, white RAL 9016, Class 1, 220-240V, energy class: A++, A+, A.



### PRODUCT OVERVIEW

|                                 |  |
|---------------------------------|--|
| Product name                    | SYLBATTEN LED 1205MM 5500LM 6000K DALI (TP5) |
| Technology                      | LED  |
| Housing                         | Steel  |
| Mount                           | Ceiling surface mounting                     |
| Environment                     | Internal                                     |
| General application             | Logistics & Industry                         |
| ETIM Class                      | EC000109                                     |
| E-number FI                     | 4274276                                      |
| Fixture luminous flux (lm)      | 5883   |
| Luminaire efficacy (lm/W)       | 111  |
| LOR (%)                         | 100  |
| Colour temperature (K)          | 6000   |
| Light colour                    | Daylight                                     |
| CRI (Ra)                        | 80   |
| Colour Variation Initial (SDCM) | SDCM5  |
| Colour Consistency (SDCM)       | 5  |
| Beam Angle (°)                  | 138  |
| Glare control                   | < 31   |
| Photobiological Risk Group      | RG0  |
| Total power consumption (W)     | 53   |
| Electrical protection           | Class I                                      |
| Control gear type               | Electronic ballast                           |
| Control gear mounting           | Built-in                                     |
| Dimmable                        | Yes  |
| Minimum dimming level (%)       | 3  |
| LED Flickering Rate             | Ultra low (5% or less)                       |
| Housing colour                  | RAL 9016 - Traffic white / Bezel             |
| IP rating                       | IP20   |
| IK rating                       | IK07   |
| Product EAN number              | 5410288451978                                |

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### DATA TABLE

#### General data

|   |  |
|---|--|
| Product name                            | SYLBATTEN LED 1205MM 5500LM 6000K DALI (TP5) |
| Technology                              | LED  |
| Housing                                 | Steel  |
| Mount                                   | Ceiling surface mounting                     |
| Environment                             | Internal                                     |
| General application                     | Logistics & Industry                         |
| Operating temperature range (°C)        | 0°C - 25°C                                   |
| Performance ambient temperature Tq (°C) | 25   |
| ETIM Class                              | EC000109                                     |
| E-number FI                             | 4274276                                      |

#### Optical data

|                                 |                   |
|---------------------------------|-------------------|
| Fixture luminous flux (lm)      | 5883              |
| Luminaire efficacy (lm/W)       | 111               |
| LOR (%)                         | 100               |
| Colour temperature (K)          | 6000              |
| Light colour                    | Daylight          |
| CRI (Ra)                        | 80                |
| Colour Variation Initial (SDCM) | SDCM5             |
| Colour Consistency (SDCM)       | 5                 |
| Adjustable chromaticity         | N                 |
| Beam Angle (°)                  | 138               |
| Distribution type               | Symmetric, Direct |
| Glare control                   | < 31              |
| Photobiological Risk Group      | RG0               |

#### Electrical data

|  |                        |
|--|------------------------|
| Total power consumption (W)                                      | 53                     |
| Mains voltage (V)  | 220-240V~              |
| Lamp power factor  | 0.95                   |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) = xx.x % | 10                     |
| Electrical protection  | Class I                |
| Control gear type  | Electronic ballast     |
| Control gear mounting  | Built-in               |
| Transformer required   | Yes                    |
| Dimmable   | Yes                    |
| Minimum dimming level (%)  | 3                      |
| Drive current (mA)   | 350                    |
| Inrush Current (A)   | 33                     |
| Inrush Duration (µs)   | 148                    |
| Glow Wire Test (°C)  | 850                    |
| Nominal Frequency (Hz)   | 50Hz                   |
| LED Flickering Rate  | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker                                | 19                     |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 13A C Breaker | 25 |
| Max. Luminaires per 16A C Breaker | 31 |
| Max. Luminaires per 20A C Breaker | 38 |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 50000 |
| Lifespan L70 B20 | 30000 |
| Lifespan L70 B10 | 15000 |
| Lifespan L80 B50 | 30000 |
| Lifespan L80 B20 | 30000 |
| Lifespan L80 B10 | 15000 |
| Lifespan L90 B50 | 15000 |
| Lifespan L90 B20 | 15000 |
| Lifespan L90 B10 | 15000 |

### Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Opal                             |
| Diffuser material           | PC Polycarbonate                 |
| Nominal Product Length (mm) | 1205                             |
| Nominal Product Width (mm)  | 66                               |
| Nominal Product Height (mm) | 76                               |
| Weight (kg)                 | 2.684                            |

### Packaging

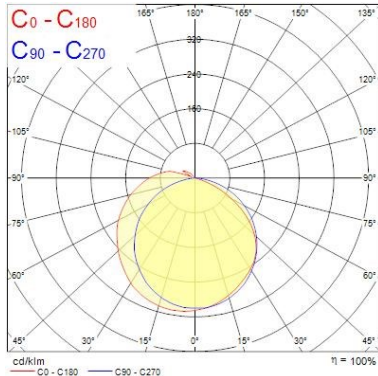
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288451978  |
| Packaging single length / height (cm) | 125.0          |
| Packaging single width (cm)           | 7.8            |
| Packaging single depth (cm)           | 9.2            |
| DUN14 (outer)                         | 05410288451978 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 125.0          |
| Packaging outer width (cm)            | 7.8            |
| Packaging outer depth (cm)            | 9.2            |

### Safety data

|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 0-25 |
|----------------------------------|------|

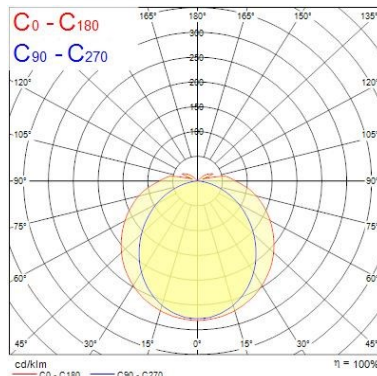
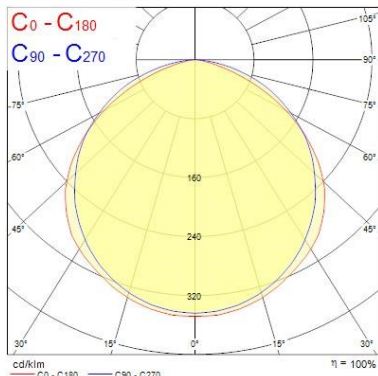
## PHOTOMETRY

## SylBatten LED - DALI SYLBATTEN LED 1205MM 5500LM 6000K DALI (TP5) 0045197



| Distance [m] | Cone diameter [m] | Illuminance [lx]                      |
|--------------|-------------------|---------------------------------------|
| 0.5          | 1.53<br>1.51      | E(0°) 7456<br>E(C90) 658<br>E(C0) 627 |
| 1.0          | 3.06<br>3.02      | E(0°) 1864<br>E(C90) 162<br>E(C0) 157 |
| 1.5          | 4.59<br>4.53      | E(0°) 828<br>E(C90) 67<br>E(C0) 70    |
| 2.0          | 6.11<br>6.04      | E(0°) 486<br>E(C90) 38<br>E(C0) 39    |
| 2.5          | 7.64<br>7.55      | E(0°) 298<br>E(C90) 24<br>E(C0) 25    |
| 3.0          | 9.17<br>9.07      | E(0°) 207<br>E(C90) 17<br>E(C0) 17    |

Distance [m] Cone diameter [m] Illuminance [lx]  
 C0 - C180 (Half beam angle: 113.6°)  
 C90 - C270 (Half beam angle: 113.6°)



| Distance [m] | Cone diameter [m] | Illuminance [lx]                      |
|--------------|-------------------|---------------------------------------|
| 0.5          | 1.21<br>2.66      | E(0°) 6623<br>E(C90) 647<br>E(C0) 148 |
| 1.0          | 2.42<br>5.32      | E(0°) 1656<br>E(C90) 212<br>E(C0) 36  |
| 1.5          | 3.63<br>7.98      | E(0°) 738<br>E(C90) 94<br>E(C0) 18    |
| 2.0          | 4.84<br>10.64     | E(0°) 414<br>E(C90) 53<br>E(C0) 9     |
| 2.5          | 6.04<br>13.50     | E(0°) 266<br>E(C90) 34<br>E(C0) 6     |
| 3.0          | 7.25<br>15.96     | E(0°) 182<br>E(C90) 24<br>E(C0) 4     |

Distance [m] Cone diameter [m] Illuminance [lx]  
 C0 - C180 (Half beam angle: 113.6°)  
 C90 - C270 (Half beam angle: 100.8°)

### TECHNICAL DRAWINGS

