**SYLVANIA**

# SylBay LED
## Incredibly efficient

**SylBay LED** is Sylvania's most efficient highbay range yet, perfectly balancing form and functionality for specification projects. Thanks to its robust and durable design, the range is suitable for assembly and production sites, warehouses, and large hypermarket retail stores.

**SylBay LED** not only delivers high performance with up to 37,700lm (luminaire lumen output on 290W twin wide 4,000K version), but also high efficiency with up to 140lm/w (efficacy on 95W single wide 4,000K version).

**SylBay LED** benefits from precision optics to assist with EN 12464-1 glare requirements, meaning it is optimised for high-racking and manufacturing environments with very high uniformity and maximum spacing between luminaires.

Additionally, **SylBay LED** offers a very long lifetime of 100,000 hours and could help you save up to a further 30% energy with smart controls using our optional on-board intelligence sensor.

*by* **FEILO SYLVANIA**

# SylBay LED
## Incredibly lightweight

## FEATURES

- Our most efficient highbay offering, perfectly balancing form and functionality

- Up to 140lm/W luminaire system efficacy

- Slim and curved architectural design; looks less intrusive when installed
  - Finned design ensures that any dust or particle build-up is deflected through the product and minimises accumulation
  - Innovative heatsink design optimizes thermal management using cooling fins
  - Incredibly lightweight for a highbay luminaire at just 4.6kg for the single body version (<18,817 lumens) - as a comparison, luminaires of this type can weigh up to 24kg

- Precision optics assisting with UGR22 schemes in accordance to EN 12464-1, optimised for high-racking and manufacturing environments with very high uniformity and maximum spacing between luminaires
  - Optics are moulded in a clear shatter resistant polycarbonate (PC)

- CRI>80 and industry leading colour consistency with 3 SDCM colour tolerance - creates a fresh, natural workplace ambience with very good colour visibility

- Suitable for assembly and production sites, warehouses and large hypermarket retail stores

- Incredibly robust and durable; high resistance to moisture, oxidation and UV radiation
  - IP65 sealed; dust tight and protected from low pressure water jets
  - IK08 impact resistance

- Long lifetime of 100,000 hours (L90 B10)
  - The power supply has its own separate housing, isolated from the heat of the LED's with its own cooling design and short circuit protection, helping to extend the product lifetime

- Ambient operating temperature:
  - 40°C to +55°C (13/26KLM versions)
  - 40°C to +50°C (31KLM versions)
  - 40°C to +45°C (18.5/37KLM versions)

- Save up to a further 30% energy with smart controls using our optional on-board intelligence sensor
  - IP65 integrated digital PIR occupancy & daylight sensing
  - Fully programmable via handheld wireless configuration tool
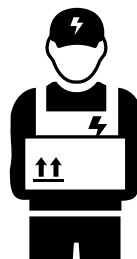  - Suitable for mounting heights from 2.40m to 12m
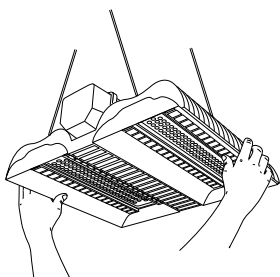
## Incredibly lightweight, which means….

Lower freight costs
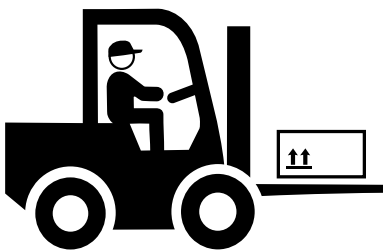
Easier storage and handling

One person installation

### Enhanced optics for UGR 22

CRI 80 with 3 SDCM

## Beam angles optimised for specification projects

Aisle beam 60° x 20°

80° x 80°

# SylBay LED
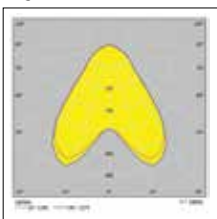## Single & Twin LED highbays

Single body

Twin body

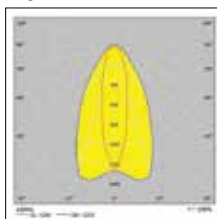| Code | Description | Body Size L x W x H (mm) | Beam Angle (°) | Colour Name | Voltage (V) | Drive Current (mA) | System Power Consumption (W) | Lumen Output (lm) | Efficacy (lm/W) | Weight (kg) |
|------|-------------|---------------------------|-----------------|-------------|-------------|--------------------|------------------------------|-------------------|------------------|-------------|
| **Single Body - DALI Dimmable** | | | | | | | | | | |
| *Wide Beam* | | | | | | | | | | |
| **0039262** | SYLBAY LED 4000K 13KLM WIDE DALI | 330 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 1,400 | 95 | 13,309 | 140 | 4.6 |
| **0039263** | SYLBAY LED 4000K 18.5KLM WIDE DALI | 330 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 2,100 | 145 | 18,817 | 130 | 4.6 |
| *Aisle Beam* | | | | | | | | | | |
| **0039267** | SYLBAY LED 4000K 13KLM AISLE DALI | 330 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 1,400 | 95 | 13,046 | 137 | 4.6 |
| **0039268** | SYLBAY LED 4000K 18.5KLM AISLE DALI | 330 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 2,100 | 145 | 18,445 | 127 | 4.6 |
| **Twin Body - DALI Dimmable** | | | | | | | | | | |
| *Wide Beam* | | | | | | | | | | |
| **0039264** | SYLBAY LED 4000K 26KLM WIDE DALI | 650 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 1,400 x 2 | 185 | 25,942 | 140 | 8.9 |
| **0039265** | SYLBAY LED 4000K 31KLM WIDE DALI | 650 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 1,750 x 2 | 235 | 31,130 | 132 | 8.9 |
| **0039266** | SYLBAY LED 4000K 37KLM WIDE DALI | 650 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 2,100 x 2 | 290 | 37,700 | 130 | 8.9 |
| *Aisle Beam* | | | | | | | | | | |
| **0039269** | SYLBAY LED 4000K 26KLM AISLE DALI | 650 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 1,400 x 2 | 185 | 25,446 | 138 | 8.9 |
| **0039270** | SYLBAY LED 4000K 31KLM AISLE DALI | 650 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 1,750 x 2 | 235 | 30,535 | 130 | 8.9 |
| **0039271** | SYLBAY LED 4000K 37KLM AISLE DALI | 650 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 2,100 x 2 | 290 | 36,616 | 126 | 8.9 |

Legend: KLM = LuMens (thousands)
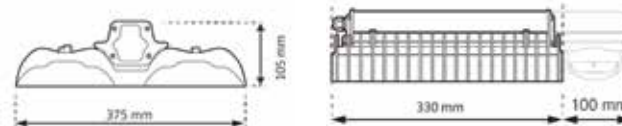
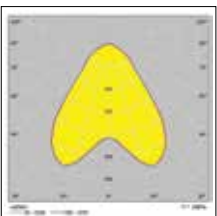## Photometric Data

Single - Wide - 4,000K

Single - Aisle - 4,000K

Twin - Wide - 4,000K

Twin - Aisle - 4,000K
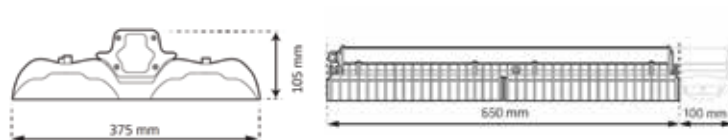
## Dimension (mm)

Single

375 mm
105 mm
330 mm
100 mm

Twin / Double

375 mm
105 mm
650 mm
100 mm
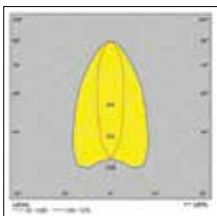
# SylBay LED
## With Integrated Occupancy/Daylight PIR Sensor

Single body

Twin body

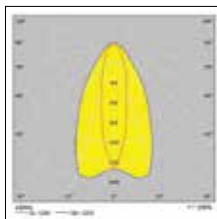| Code | Description | Body Size L x W x H (mm) | Beam Angle (°) | Colour Name | Voltage (V) | Drive Current (mA) | System Power Consumption (W) | Lumen Output (lm) | Efficacy (lm/W) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| **Single Body - Analogue 1-10V Dimmable with Integrated Occupancy / Daylight Passive InfraRed (PIR) Sensor** | | | | | | | | | | |
| **Wide Beam** | | | | | | | | | | |
| 0039272 | SYLBAY LED 4000K 13KLM WIDE 1-10V PIR | 430 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 1,400 | 95 | 13,309 | 140 | 5.1 |
| 0039273 | SYLBAY LED 4000K 18.5KLM WIDE 1-10V PIR | 430 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 2,100 | 145 | 18,817 | 130 | 5.1 |
| **Aisle Beam** | | | | | | | | | | |
| 0039277 | SYLBAY LED 4000K 13KLM AISLE 1-10V PIR | 430 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 1,400 | 95 | 13,046 | 137 | 5.1 |
| 0039278 | SYLBAY LED 4000K 18.5KLM AISLE 1-10V PIR | 430 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 2,100 | 145 | 18,445 | 127 | 5.1 |
| **Twin Body - Analogue 1-10V Dimmable with Integrated Occupancy / Daylight Passive InfraRed (PIR) Sensor** | | | | | | | | | | |
| **Wide Beam** | | | | | | | | | | |
| 0039274 | SYLBAY LED 4000K 26KLM WIDE 1-10V PIR | 750 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 1,400 x 2 | 185 | 25,942 | 140 | 9.2 |
| 0039275 | SYLBAY LED 4000K 31KLM WIDE 1-10V PIR | 750 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 1,750 x 2 | 235 | 31,130 | 132 | 9.2 |
| 0039276 | SYLBAY LED 4000K 37KLM WIDE 1-10V PIR | 750 x 375 x 105 | 80 x 80 | Neutral white | 220-240 | 2,100 x 2 | 290 | 37,700 | 130 | 9.2 |
| **Aisle Beam** | | | | | | | | | | |
| 0039279 | SYLBAY LED 4000K 26KLM AISLE 1-10V PIR | 750 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 1,400 x 2 | 185 | 25,446 | 138 | 9.2 |
| 0039280 | SYLBAY LED 4000K 31KLM AISLE 1-10V PIR | 750 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 1,750 x 2 | 235 | 30,535 | 130 | 9.2 |
| 0039281 | SYLBAY LED 4000K 37KLM AISLE 1-10V PIR | 750 x 375 x 105 | 60 x 20 | Neutral white | 220-240 | 2,100 x 2 | 290 | 36,616 | 126 | 9.2 |

Legend: KLM = LuMens (thousands)
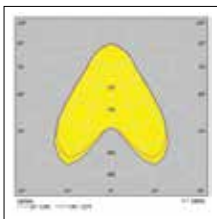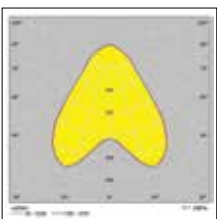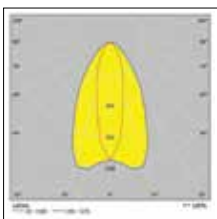
## Photometric Data

Single - Wide - 4,000K

Single - Aisle - 4,000K

Twin - Wide - 4,000K

Twin - Aisle - 4,000K
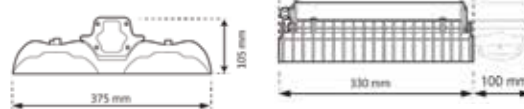
## Dimension (mm)

Single

375 mm    105 mm    330 mm    100 mm

Twin / Double

375 mm    105 mm    650 mm    100 mm
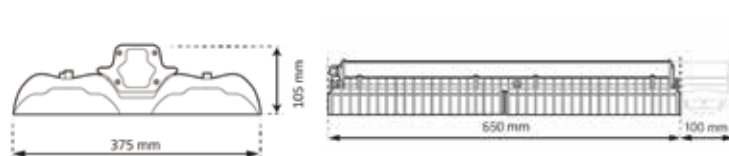
# SylBay LED
## Incredibly efficient

| SylBay LED - Accessories | | |
|---|---|---|
| **0039282** | SYLBAY LED 3M WIRE SUSPENSION SET | Adjustable suspension cable (order 1 per luminaire) |
| **0039283** | SYLBAY LED PIR REMOTE PROGRAMMER | For use with 1-10V PIR versions, enables fast ladder-free setup and maintenance |
| **0039284** | SYLBAY LED FRONT WIRE GUARD | For added front protection against large objects (order 1 per single body luminaire, 2 per twin body) |
| **0039285** | SYLBAY LED ADJUSTABLE SURFACE KIT | Fully tiltable, allowing luminaires to be secured in place (order 1 per luminaire) |

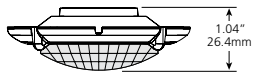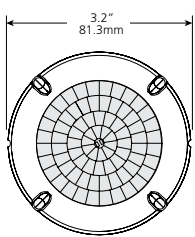0039282          0039283          0039284          0039284          0039285          0039285

## Daylight Detection

12 meters

12 meters
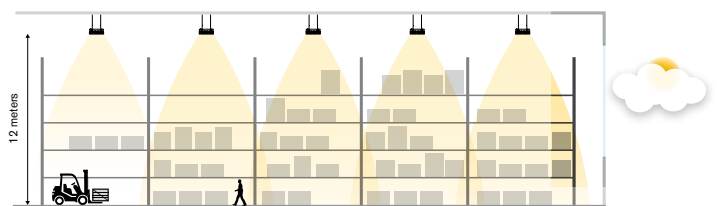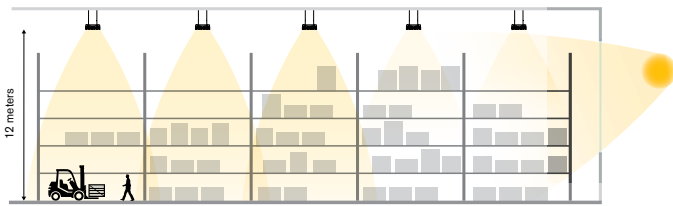
## PIR Occupancy / Daylight Sensor with Easy Programming

3.2"
81.3mm

1.04"
26.4mm

Coverage Top View

15m
7.5m
0
7.5m
15m
30m
15m   7.5m   0   7.5m   15m

Coverage Side View

0m

8m

12m

15m   12m   9m   6m   3m   0   3m   6m   9m   12m   15m
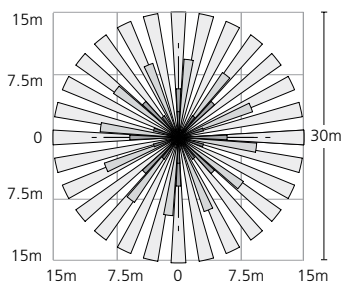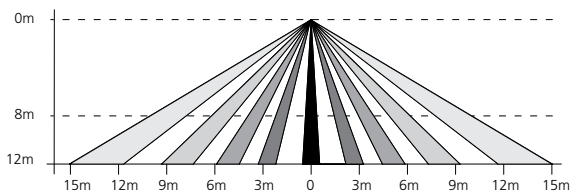
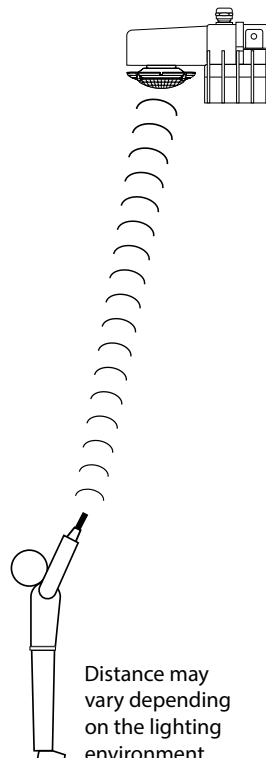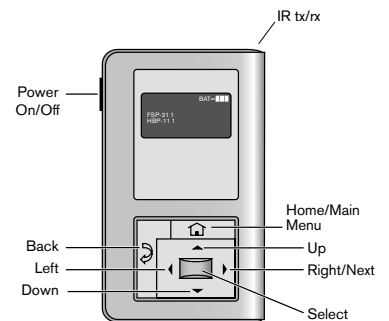**360° Coverage**
Covers a 30m diameter area at a height of 12m

Distance may vary depending on the lighting environment

IR tx/rx

Power On/Off

FSP-31 1
HBP-11 1

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Up
Right/Next
Select

## SylBay LED & Start LED Highbay Comparison

| Power/Output/Efficacy | Start LED Highbay | | | SylBay LED | | | |
|---|---|---|---|---|---|---|---|
| | 95W | 10klm | 113lm/W | 95W | 13klm | 140lm/W | Single Body |
| | 190W | 20klm | 114lm/W | 145W | 18.5klm | 130lm/W | Single Body |
| | | | | 185W | 26klm | 140lm/W | Twin Body |
| | | | | 235W | 31klm | 132lm/W | Twin Body |
| | | | | 290W | 37klm | 130lm/W | Twin Body |

| | Start LED Highbay | SylBay LED |
|---|---|---|
| Optics | Circular | Rectangular |
| | Wide (85° ) | Wide (80° x 80°) |
| | Medium (55°) | Aisle (60° x 20°) |
| Lumen Maintenance | L70@50k hrs | L90@100k hrs |
| Power Factor | 0.94 | >0.95 |
| Control Options | Electronic (non-dimmable) | - |
| | DALI | DALI |
| | - | Analogue 1-10v + Integral PIR Sensor |
| Finish | Grey | Raw/Silver |
| Weight | 2.5 to 4.5kg | 4.6 to 9.2kg |



Efficacy Increase Upgrading From Start LED Highbay > SylBay LED
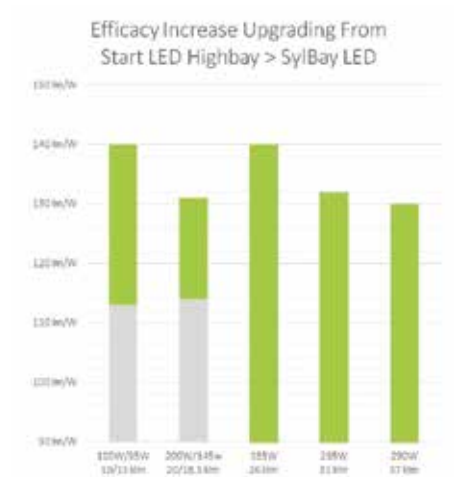
## Beam Angle Selection

Wide Beam (80° x 80°)

Perfect for open areas



Aisle Beam (60° x 20°)

Suitable for warehouse racking





0    50    100    150    200    250    300    350    400    lx
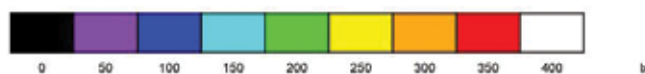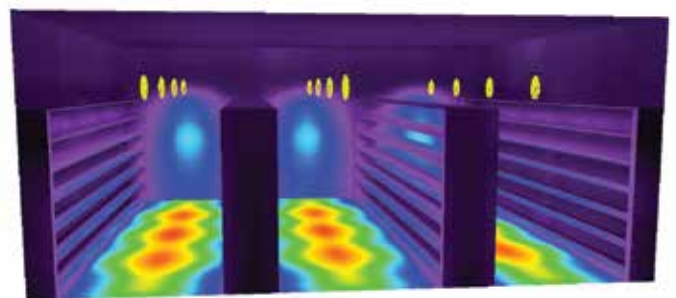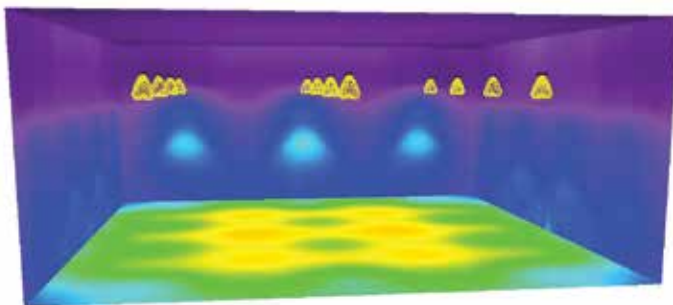
Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Current details should therefore be checked with Feilo Sylvania Europe Ltd.

*by* **FEILO SYLVANIA**