# Day-Brite CFI
by Signify

**Linear**

**LBX LED suspended**

Up to 18,000 lm

Control options available

Day-Brite / CFI LED linear suspended LBX luminaires with optional LightBalance Optics provide the versatility required for a wide range of applications. Available in 5 different configurations, LBX is easy to install and can be mounted together in runs. Where precise control is required, LightBalance Optics put the light where it's needed. Choose between narrow, medium, wide, & aisle asymmetric distributions.

Project:

Location:

Cat.No:

Type:

Qty:

Notes:

## Ordering guide

| Family | Lumens (nominal delivered) | CRI / CCT | Voltage | Optics | Options |
|---|---|---|---|---|---|
| LBX | | — | — | — | |
| LBX | **4' Length** | **830**[3] 80 CRI, 3000K | **UNV** Universal voltage 120–277V | **Blank** General Distribution | **FD** Flat diffuse lens |
| | **40L** 4,000lm | **835** 80 CRI, 3500K | | **N**[1] Narrow | **UD** Oval uplight diffuse lens |
| | **55L** 5,500lm | **840** 80 CRI, 4000K | **120** 120V | **M**[1] Medium | **VLC** Visible Light Communication (consult factory) |
| | **70L** 7,000lm | **850** 80 CRI, 5000K | **208** 208V | **W**[1] Wide | **WP6**[5,7] Wired 6' 16/3 cord & NEMA twist lock plug |
| | **90L** 9,000lm | | **240** 240V | **A**[1,2] Aisle | **WC6**[7] Wired 6' 16/3 cord |
| | | | **277** 277V | | **WC6/4**[7] Wired 6' 16/4 cord for line voltage plus unswitched hot for EMLED |
| | **8' Length** | | **347**[4] 347V | | **WC6/5**[7] Wired 6' 18/5 cord for line voltage plus 0–10V dimming |
| | **80L** 8,000lm | | | | **WP6D**[5,7] Wired 6' 16/3 cord & NEMA twist lock plug for line voltage and wired 6' purple and gray leads with disconnect plug for dimming control |
| | **110L** 11,000lm | | | | |
| | **140L** 14,000lm | | | | |
| | **180L** 18,000lm | | | | **WC6D**[7] Wired 6' 16/3 cord for line voltage and wired 6' cord for dimming control |
| | Other lumen packages may be ordered in increments of 500lm from 4000 to 9000 lumens for 4' unit and increments of 1000lm from 8000 to 18000 lumens for 8' unit | | | | **SWZCS**[8,9] Interact Pro scalable sensor with integral daylight & occupancy sensing, advanced grouping with dwell time |
| | | | | | **SWZCSH**[10] Interact Pro scalable high bay sensor with integral daylight & occupancy sensing, advanced grouping with dwell time |
| | | | | | **RADIO** Integral Interact Pro RF sensor, enables wireless connected lighting control |
| | | | | | **IAOSB**[8,9] Interact Office advanced wireless sensor bundle, integral SC1500 w/IoT capabilities for enterprise scale projects |
| | | | | | **EMLED**[6] Emergency battery (0°C – 40°C) |
| | | | | | **ER100**[11,12] UL924 listed sensor bypass relay, factory installed between driver & sensor (Interact Pro compatible) |
| | | | | | **ER100/HVPS**[11,12] UL924 listed sensor bypass relay, factory installed between driver & sensor for 347V Power Sense (Interact Pro compatible) |
| | | | | | **ER100/HVPI**[11,12] UL924 listed sensor bypass relay, factory installed between driver & sensor for 347V Power Interrupt (Interact Pro compatible) |
| | | | | | **GTD/E**[11] UL924 listed Bodine GTD factory installed on driver input |
| | | | | | **BAC**[13] Meets the requirements of the Buy American Act of 1933 (BAA) |

1  Not for use with FD or UD diffuse lenses.
2  Not available in 3000K.
3  Not available in 9000lm or 18000lm.
4  Not available in 4000lm or 5500lm with EMLED.
5  Must specify voltage.
6  When row mounting, non-switched HOT for EMLED should be fed separately and directly to the emergency luminaire.
7  6' is standard cord length. For optional 10', 15', or 20' cord length, replace the "6" in the option code with the desired length.
8  Low mount motion detector. Use at 10' mounting height or below.
9  Must order IRT9015 Interact commissioning remote with each system order
10  High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height.
11  Must be installed in conjunction with a UL1008 device.
12  Must be ordered with an integral sensing option.
13  Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
14  Consult Signify to confirm whether specific accessories are BAA-compliant.

## Wiring Notes

· Standard cords have 3 wires.  Consult factory for other cord options.

## General Notes

· All options factory installed.
· All accessories are field installed.
· Many luminaire components, such as reflectors, refractors, lenses, sockets, lamp-holders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

## Predicted L70 Lifetime

· 40°C Ambient  > 100,000 hours (based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing)

# LBX  LED linear suspended

## Up to 18,000 lumens

### Accessories[14] (order separately)

- **LBX-HANGER BKT –** Hanging bracket (pair)
- **LBX-LVR4 –** 4' White louver (order 2 for eight foot units)
- **FKR-126 –** Two 5' chains and "V" hooks
- **LBX-WG4 –** 4' White wire guard - not for UD lens (order 2 for eight foot units)
- **LBX-WGUD4 –** 4' White wire guard for UD lens (order 2 for eight foot units)

- **IRT9015 –** Handheld remote for grouping and configuration ( at least one remote required for any SWZCS/SWZCSH installation)
- **DACH48 –** 48" Adjustable cable hanger kit with white canopy (single)
- **DACH48-1-SC –** 48" Adjustable cable hanger kit with white canopy and white straight 18/3 cord (single)
- **DACH48-2-SC –** 48" Adjustable cable hanger kit with white canopy and white straight 18/4 cord (single)

- **DACH48-1D-SC –** 48" Adjustable cable hanger kit with white canopy and white straight 18/5 cord (single)
- **LBX-RL-FD-4 –** 4' Replacement flat lens
- **LBX-RL-FD-8 –** 8' Replacement flat lens
- **LBX-RL-UD-4 –** 4' Replacement uplight lens
- **LBX-RL-UD-8 –** 8' Replacement uplight lens

### Application

- This luminaire can be used to illuminate retail, grocery, cold storage, manufacturing, ware-housing and many other large indoor spaces with control and precision.
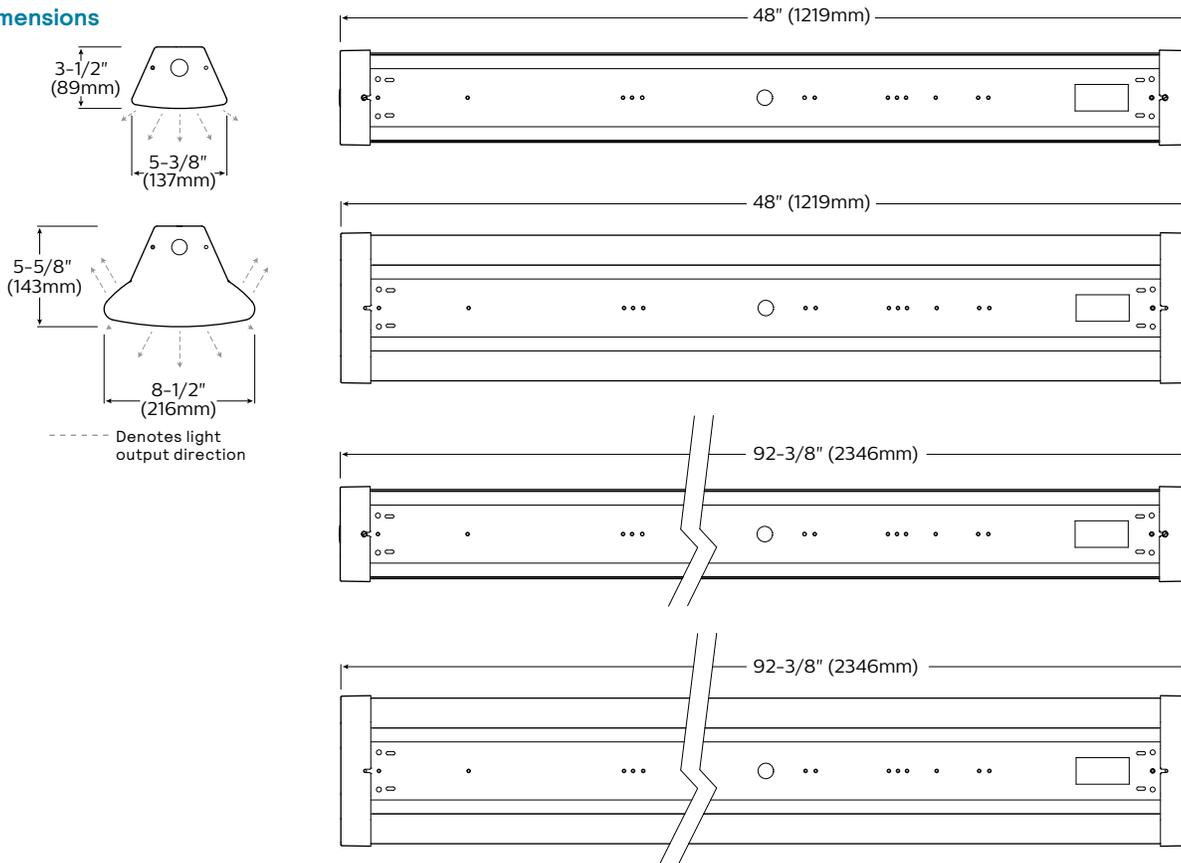
### Construction/Finish

- Multiple optics available to create precise light distribution.
- Two diffuse lens options for glare control and optional uplight.
- Optional louver available for added aesthetics and glare control when diffuse lens is not used.

- Metal housing provides excellent thermal transfer to extend component life.
- End holes to attach V bracket for chain or cable hanging.
- May be cable, chain, or pendant mounted.
- Easily row mounted without disassembling the luminaire.
- 7/8" K.O. at each end of luminaire for wiring or motion detector.
- Polyester powder finish for excellent impact and corrosion resistance.
- LED light engines and drivers are field replaceable.

- 5 Year Limited Warranty.
- Components are RoHS compliant.
- Listed by ETL to meet UL 1598 standards for damp location and -35ºC to 40ºC ambient.
- Dimming drivers are standard. Control is 0-10V DC.
- Optional motion detector.
- DLC Listing for most variations.  Please check the DLC Qualified Products List to confirm (www. designlights.org/QPL).
- Compatible with visible light communication (VLC). Contact your Philips sales representative for more information.

### Dimensions



3-1/2" (89mm)

5-3/8" (137mm)

5-5/8" (143mm)

8-1/2" (216mm)

- - - - - Denotes light output direction

48" (1219mm)

48" (1219mm)

92-3/8" (2346mm)

92-3/8" (2346mm)

# LBX  LED linear suspended

## Up to 18,000 lumens

## Wireless Controls Options

### Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers
**(SWZCS/SWZCSH and an evolution of SpaceWise)**

- SWZCS/SWZCSH is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.

- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.

- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.

- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.

- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.

- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.

  - Compatible with:
    - SWS200 wireless scene switch
    - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
    - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
    - LCN3110: Battery powered IP65 presence sensor, OCC sensor IA CM IP65WH
    - LCN3120: Battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH

- For more information on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem

### Radio only sensor (RADIO)

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.

- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

### Interact Pro scalable sensor bundles for Enterprise tier

- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.

- Compatible with SWS200 wireless scene switch and Interact Ready wireless battery powered sensors.

- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.

- Requires compatible Gateway and internet connectivity for commissioning.

- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/system-areas/offices

### Emergency Options (ER100)

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output

- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

- 347V may require step-down transformer and must be ordered indicating Power Sensing or Power Interruption Detection

# LBX   LED linear suspended
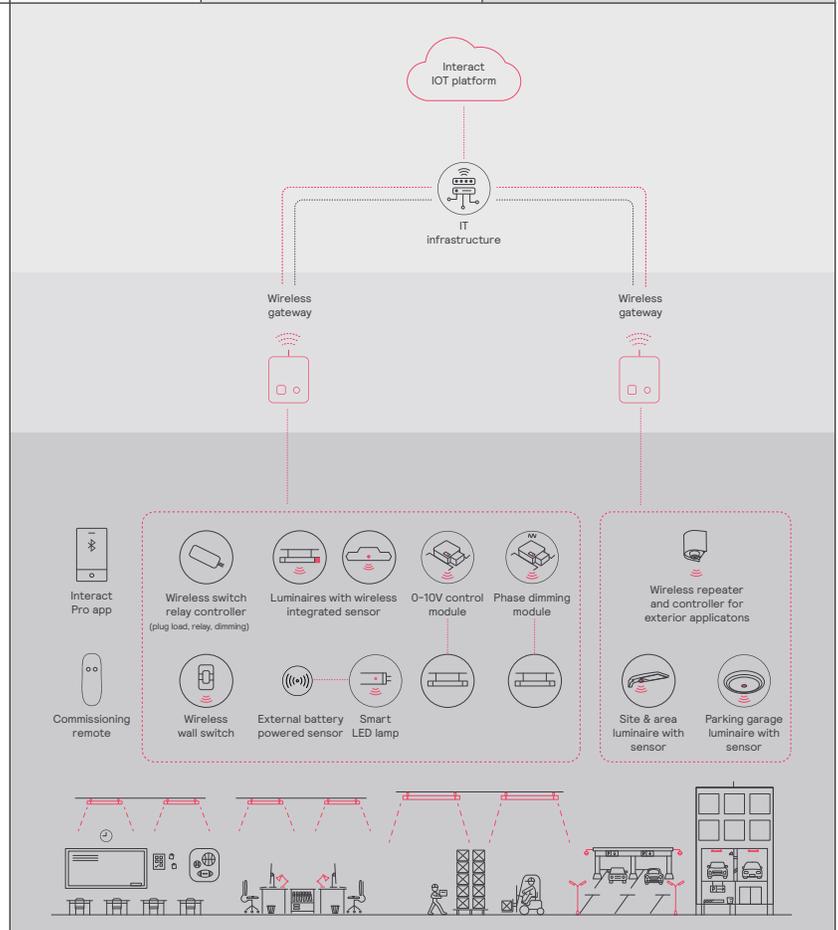
## Up to 18,000 lumens

# interact

| | Standalone | Gateway | Gateway + IoT |
|---|:---:|:---:|:---:|
| **Dimming, grouping, and zoning** | ✓ | ✓ | ✓ |
| **Bluetooth and ZigBee enabled** | ✓ | ✓ | ✓ |
| **Motion sensing and daylight harvesting** | ✓ | ✓ | ✓ |
| **Integration with 0-10V and phase dimming fixtures** | ✓ | ✓ | ✓ |
| **Code compliance** | ✓ | ✓ | ✓ |
| **Granular dimming and dwell time** | ✓ | ✓ | ✓ |
| **Correlated color temperature (CCT) tuning by switch** `New` | ✓ | ✓ | ✓ |
| **Support for sensor-based Tunable White luminaires** `New` | ✓ | ✓ | ✓ |
| **Energy reporting and monitoring** | | ✓ | ✓ |
| **Scheduling** | | ✓ | ✓ |
| **Demand response** | | ✓ | ✓ |
| **BMS integration (BACnet)** | | | ✓ |
| **Floor plan visualization** | | | ✓ |
| **IoT sensors for wellness** | | | ✓ |
| **IoT Apps for productivity** | | | ✓ |

## Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

| System level | |
|---|---|
| Total number of gateways | Unlimited |
| Total number of devices | 200 per network |
| · Luminaires with integrated sensors | 150 |
| · Smart TLEDS | 150 |
| · Zones + groups | 64 |
| Total number of ZGP devices (sensors and switches) | 50 |
| · Sensors | 30 |
| · Switches | 50 |

| Group level | |
|---|---|
| Recommended number of lights | 40 (maximum 150) |
| Number of ZGP devices | 5 |
| Number of scenes | 16 |

# LBX   LED linear suspended

## Up to 18,000 lumens

## Configurations

**Foundation:** base unit with no optics, no lens. Ideal for "back of house" areas such as storage or utility spaces.

**High performance:** base unit with LightBalance optics, no lens, and a choice of narrow, medium, wide, or aisle optics.

**Brightness control:** base unit with louver. Field installed louver compatible with foundation or performance versions

**Flat diffuse:** base unit with flat lens. Ideal for retailers who want good performance, brightness control, and a minimal profile.

**Uplight diffuse:** base unit with oval lens and uplight. Ideal for retailers who want good performance and some uplight.

## Options

Occupancy sensor

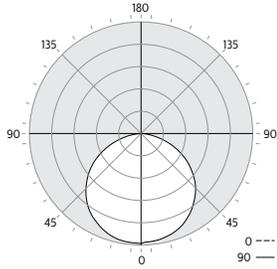Hanging brackets

V bracket and chain

# LBX   LED linear suspended
## Up to 18,000 lumens

### LED linear suspended LBX, general distribution, 4,000 nominal delivered lumens

**Catalog No. LBX40L840-UNV**

Report no: 35816



Spacing criterion: 1.3   Input watts: 31
Lamp:  LED   Efficacy: 150 lm/W
Output lumens: 4655 lm

Comparative yearly lighting energy cost per 1000 lumens – **$1.60** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

#### Candela distribution

| Vertical Angle | 0° | 45° | 90° | -45° |
|---|---|---|---|---|
| 0 | 1567 | 1567 | 1567 | 1567 |
| 5 | 1545 | 1559 | 1580 | 1559 |
| 15 | 1505 | 1524 | 1537 | 1524 |
| 25 | 1420 | 1432 | 1442 | 1432 |
| 35 | 1275 | 1300 | 1298 | 1300 |
| 45 | 1096 | 1108 | 1109 | 1108 |
| 55 | 862 | 880 | 877 | 880 |
| 65 | 591 | 603 | 604 | 603 |
| 75 | 298 | 308 | 312 | 308 |
| 85 | 53 | 10 | 7 | 10 |
| 95 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 | 0 |

#### Light Distribution

| Degrees | Lumens | % Luminaire |
|---|---|---|
| 0-30 | 1240 | 26.6 |
| 0-40 | 2049 | 44.0 |
| 0-60 | 3683 | 79.1 |
| 0-90 | 4655 | 100.0 |
| 90-120 | 0.0 | 0.0 |
| 90-130 | 0.0 | 0.0 |
| 90-150 | 0.0 | 0.0 |
| 90-180 | 0.0 | 0.0 |
| 0-180 | 4655 | 100.0 |

#### Average Luminance

| Angle | End | 45° | Cross |
|---|---|---|---|
| 45 | 10643. | 10758. | 10767. |
| 55 | 10310. | 10527. | 10491. |
| 65 | 9598. | 9801. | 9811. |
| 75 | 7893. | 8174. | 8270. |
| 85 | 4182. | 772. | 583. |

#### Coefficients of Utilization
**EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)**

| Ceiling (pcc) | 80% | | | 70% | | | 50% | |
|---|---|---|---|---|---|---|---|---|
| Wall (pw) | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | Zonal cavity method – Effective floor reflectance = 20% | | | | | | | |
| 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 |
| 1 | 112 | 109 | 106 | 110 | 107 | 105 | 103 | 101 |
| 2 | 106 | 100 | 95 | 103 | 98 | 94 | 95 | 91 |
| 3 | 99 | 92 | 86 | 97 | 90 | 85 | 87 | 83 |
| 4 | 93 | 84 | 77 | 91 | 83 | 77 | 81 | 75 |
| 5 | 87 | 77 | 70 | 85 | 76 | 70 | 74 | 69 |
| 6 | 82 | 71 | 64 | 80 | 70 | 64 | 69 | 63 |
| 7 | 77 | 66 | 59 | 75 | 65 | 58 | 64 | 58 |
| 8 | 72 | 61 | 54 | 71 | 60 | 53 | 59 | 53 |
| 9 | 68 | 56 | 50 | 66 | 56 | 49 | 55 | 49 |
| 10 | 64 | 53 | 46 | 63 | 52 | 46 | 51 | 45 |

(Room Cavity Ratio)

### LED linear suspended LBX, flat diffuse lens distribution, 4,000 nominal delivered lumens

**Catalog No. LBX40L840-UNV-FD**

Report no: 35921
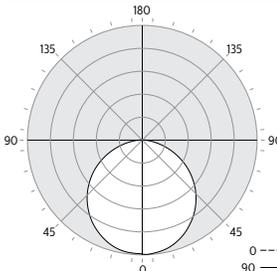


Spacing criterion: 1.3   Input watts: 31
Lamp:  LED   Efficacy: 128 lm/W
Output lumens: 3948

Comparative yearly lighting energy cost per 1000 lumens – **$1.88** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

#### Candela distribution

| Vertical Angle | 0° | 45° | 90° | -45° |
|---|---|---|---|---|
| 0 | 1367 | 1367 | 1367 | 1367 |
| 5 | 1346 | 1362 | 1371 | 1362 |
| 15 | 1301 | 1320 | 1327 | 1320 |
| 25 | 1210 | 1223 | 1231 | 1223 |
| 35 | 1075 | 1089 | 1094 | 1089 |
| 45 | 907 | 920 | 924 | 920 |
| 55 | 709 | 721 | 724 | 721 |
| 65 | 486 | 496 | 501 | 496 |
| 75 | 252 | 264 | 273 | 264 |
| 85 | 50 | 70 | 87 | 70 |
| 95 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 | 0 |

#### Light Distribution

| Degrees | Lumens | % Luminaire |
|---|---|---|
| 0-30 | 1065 | 27.0 |
| 0-40 | 1746 | 44.2 |
| 0-60 | 3095 | 78.4 |
| 0-90 | 3945 | 99.9 |
| 90-120 | 2.0 | 0.1 |
| 90-130 | 2.0 | 0.1 |
| 90-150 | 2.0 | 0.1 |
| 90-180 | 2.0 | 0.1 |
| 0-180 | 3948 | 100.0 |

#### Average Luminance

| Angle | End | 45° | Cross |
|---|---|---|---|
| 45 | 8808. | 8931. | 8972. |
| 55 | 8486. | 8624. | 8665. |
| 65 | 7894. | 8058. | 8139. |
| 75 | 6681. | 6991. | 7233. |
| 85 | 3914. | 5474. | 6844. |

#### Coefficients of Utilization
**EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)**

| Ceiling (pcc) | 80% | | | 70% | | | 50% | |
|---|---|---|---|---|---|---|---|---|
| Wall (pw) | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | Zonal cavity method – Effective floor reflectance = 20% | | | | | | | |
| 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 |
| 1 | 109 | 104 | 99 | 106 | 101 | 97 | 97 | 94 |
| 2 | 99 | 90 | 83 | 96 | 88 | 82 | 85 | 79 |
| 3 | 90 | 79 | 71 | 87 | 78 | 70 | 75 | 68 |
| 4 | 82 | 70 | 61 | 80 | 69 | 60 | 66 | 59 |
| 5 | 76 | 63 | 53 | 73 | 61 | 53 | 59 | 52 |
| 6 | 70 | 56 | 47 | 68 | 55 | 47 | 53 | 46 |
| 7 | 65 | 51 | 42 | 63 | 50 | 42 | 49 | 41 |
| 8 | 60 | 46 | 38 | 59 | 46 | 38 | 44 | 37 |
| 9 | 56 | 43 | 34 | 55 | 42 | 34 | 41 | 34 |
| 10 | 53 | 39 | 31 | 51 | 39 | 31 | 38 | 31 |

(Room Cavity Ratio)

# LBX   LED linear suspended

## Up to 18,000 lumens

### LED linear suspended LBX, oval lens uplight distribution, 4,000 nominal delivered lumens

**Catalog No. LBX40L840-UNV-UD**

Report no: 35833
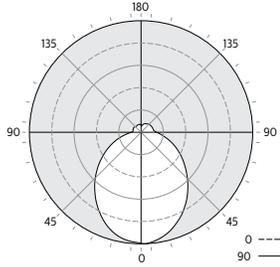


Spacing criterion: 1.2  
Lamp: LED  
Output lumens: 4167 lm  
Input watts: 31  
Efficacy: 137 lm/W

Comparative yearly lighting energy cost per 1000 lumens – **$1.75** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

## Candela distribution

| Vertical Angle | Horizontal Angle | | | |
|---|---|---|---|---|
| | **0°** | **45°** | **90°** | **-45°** |
| 0 | 1324 | 1324 | 1324 | 1324 |
| 5 | 1308 | 1310 | 1321 | 1310 |
| 15 | 1246 | 1245 | 1243 | 1245 |
| 25 | 1127 | 1112 | 1114 | 1112 |
| 35 | 962 | 947 | 956 | 947 |
| 45 | 773 | 770 | 783 | 770 |
| 55 | 573 | 589 | 621 | 589 |
| 65 | 375 | 420 | 474 | 420 |
| 75 | 185 | 268 | 337 | 268 |
| 85 | 31 | 149 | 225 | 149 |
| 95 | 0 | 98 | 162 | 98 |
| 105 | 15 | 98 | 148 | 98 |
| 115 | 29 | 101 | 145 | 101 |
| 125 | 39 | 100 | 140 | 100 |
| 135 | 51 | 93 | 132 | 93 |
| 145 | 67 | 90 | 121 | 90 |
| 155 | 81 | 94 | 112 | 94 |
| 165 | 92 | 95 | 96 | 95 |
| 175 | 100 | 95 | 72 | 95 |

## Light Distribution

| Degrees | Lumens | % Luminaire |
|---|---|---|
| **0-30** | 991 | 23.8 |
| **0-40** | 1590 | 38.1 |
| **0-60** | 2721 | 65.3 |
| **0-90** | 3578 | 85.9 |
| **90-120** | 292 | 7.0 |
| **90-130** | 378 | 9.1 |
| **90-150** | 511 | 12.3 |
| **90-180** | 589 | 14.1 |
| **0-180** | 4167 | 100.0 |

## Average Luminance

| Angle | End | 45° | Cross |
|---|---|---|---|
| **45** | 4245. | 3682. | 3628. |
| **55** | 3811. | 3240. | 3276. |
| **65** | 3281. | 2820. | 3008. |
| **75** | 2474. | 2402. | 2788. |
| **85** | 950. | 2100. | 2804. |

## Coefficients of Utilization

**EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)**

| Ceiling (pcc) | | 80% | | | 70% | | | 50% | |
|---|---|---|---|---|---|---|---|---|---|
| Wall (pw) | | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | | Zonal cavity method – Effective floor reflectance = 20% | | | | | | | |
| Room Cavity Ratio | 0 | 116 | 116 | 116 | 111 | 111 | 111 | 103 | 103 |
| | 1 | 105 | 100 | 95 | 101 | 96 | 92 | 89 | 86 |
| | 2 | 95 | 87 | 80 | 91 | 84 | 77 | 78 | 73 |
| | 3 | 87 | 76 | 68 | 83 | 73 | 66 | 68 | 62 |
| | 4 | 79 | 67 | 59 | 76 | 65 | 57 | 61 | 54 |
| | 5 | 73 | 60 | 51 | 70 | 58 | 50 | 55 | 48 |
| | 6 | 67 | 54 | 45 | 65 | 53 | 44 | 49 | 42 |
| | 7 | 63 | 49 | 41 | 60 | 48 | 40 | 45 | 38 |
| | 8 | 58 | 45 | 37 | 56 | 44 | 36 | 41 | 34 |
| | 9 | 54 | 41 | 33 | 52 | 40 | 32 | 38 | 31 |
| | 10 | 51 | 38 | 30 | 49 | 37 | 30 | 35 | 28 |

# LBX   LED linear suspended

## Up to 18,000 lumens

### Photometric Test List

| Catalog No. | Test No. | Delivered Lumens | Input Watts* | Efficacy* |
|---|---|---|---|---|
| LBX40L840-UNV | 35816 | 4655 | 31 | 150 |
| LBX40L840-UNV-FD | 35921 | 3948 | 31 | 128 |
| LBX40L840-UNV-UD | 35833 | 4167 | 31 | 137 |
| LBX40L840-UNV-LVR4 | 35821 | 4408 | 31 | 142 |
| LBX40L840-UNV-N | 35823 | 4585 | 31 | 148 |
| LBX40L840-UNV-N-LVR4 | 35822 | 4436 | 31 | 143 |
| LBX40L840-UNV-M | 35825 | 4599 | 31 | 148 |
| LBX40L840-UNV-M-LVR4 | 35824 | 4431 | 31 | 143 |
| LBX40L840-UNV-W | 35827 | 4574 | 31 | 148 |
| LBX40L840-UNV-W-LVR4 | 35826 | 4354 | 31 | 141 |
| LBX40L840-UNV-A | 35829 | 4656 | 31 | 151 |
| LBX40L840-UNV-A-LVR4 | 35828 | 4429 | 31 | 143 |
| LBX55L840-UNV | 35945 | 6176 | 41 | 150 |
| LBX55L840-UNV-FD | 36114 | 5221 | 41 | 127 |
| LBX55L840-UNV-UD | 36099 | 5562 | 41 | 135 |
| LBX55L840-UNV-LVR4 | 36115 | 5828 | 41 | 142 |
| LBX55L840-UNV-N | 36118 | 6074 | 41 | 148 |
| LBX55L840-UNV-N-LVR4 | 36119 | 5890 | 41 | 143 |
| LBX55L840-UNV-M | 36122 | 6059 | 41 | 148 |
| LBX55L840-UNV-M-LVR4 | 36123 | 5852 | 41 | 143 |
| LBX55L840-UNV-W | 36126 | 6039 | 41 | 147 |
| LBX55L840-UNV-W-LVR4 | 36127 | 5739 | 41 | 140 |
| LBX55L840-UNV-A | 36130 | 6027 | 41 | 147 |
| LBX55L840-UNV-A-LVR4 | 36131 | 5795 | 41 | 141 |
| LBX70L840-UNV | 35953 | 7906 | 53 | 148 |
| LBX70L840-UNV-FD | 36113 | 6678 | 53 | 125 |
| LBX70L840-UNV-UD | 36100 | 7096 | 53 | 133 |
| LBX70L840-UNV-LVR4 | 36116 | 7453 | 53 | 139 |

| Catalog No. | Test No. | Delivered Lumens | Input Watts* | Efficacy* |
|---|---|---|---|---|
| LBX70L840-UNV-N | 36117 | 7783 | 53 | 146 |
| LBX70L840-UNV-N-LVR4 | 36120 | 7537 | 53 | 141 |
| LBX70L840-UNV-M | 36121 | 7768 | 53 | 145 |
| LBX70L840-UNV-M-LVR4 | 36124 | 7473 | 53 | 140 |
| LBX70L840-UNV-W | 36125 | 7747 | 53 | 145 |
| LBX70L840-UNV-W-LVR4 | 36128 | 7333 | 53 | 137 |
| LBX70L840-UNV-A | 36129 | 7776 | 53 | 146 |
| LBX70L840-UNV-A-LVR4 | 36132 | 7457 | 53 | 140 |
| LBX90L840-UNV | 35975 | 9919 | 66 | 150 |
| LBX90L840-UNV-FD | 35974 | 8388 | 66 | 127 |
| LBX90L840-UNV-UD | 36045 | 9039 | 66 | 137 |
| LBX90L840-UNV-LVR4 | 36035 | 9423 | 66 | 143 |
| LBX90L840-UNV-N | 36037 | 9787 | 66 | 149 |
| LBX90L840-UNV-N-LVR4 | 36036 | 9482 | 66 | 144 |
| LBX90L840-UNV-M | 36039 | 9787 | 66 | 149 |
| LBX90L840-UNV-M-LVR4 | 36038 | 9452 | 66 | 143 |
| LBX90L840-UNV-W | 36041 | 9730 | 66 | 148 |
| LBX90L840-UNV-W-LVR4 | 36040 | 9265 | 66 | 141 |
| LBX90L840-UNV-A | 36043 | 9850 | 66 | 149 |
| LBX90L840-UNV-A-LVR4 | 36042 | 9524 | 66 | 144 |

* 347V models have the same input watts