



## BloomBox

Application Guide

# No compromise performance

BloomBox brings no-compromise, high performance light to life with its unique modular light engine. Its combination of high efficacy, wide row spacing, and low glare make it a strategic choice for new construction projects that need performance today and flexibility for the future.



## Key Features

- Up to 14' x 14' OC spacing
- **Field replaceable** LED modules
- AccuRender static white with **high CRI 90+**
- **Interact and 0-10V control options** (additional options upon request)
- **UGR <19**
- Up to **171 lumens per watt**

## Benefits of BloomBox with **Interact**

**Energy savings.** Interact reduces overall energy usage via luminaire-level lighting control and group control. Features like Adaptive Dimming and Dwell Time ensure that light levels lower in vacant areas, while providing light for occupants.


**Control at your fingertips.** Interact provides space utilization reports and maintenance alerts with valuable insights on occupancy and serviceability for seamless upkeep and asset allocation.

**Future-ready design.** Regroup fixtures via the Interact app when space layouts change, especially in large open areas where BloomBox's 14'x14' on-center spacing is in full effect.

# BloomBox Application Guide

Small office

## Luminaire Schedule

Symbol	Qty	Catalog code	Description
	8	BB22D1STL93530Y1DE	2x2, Recessed, CRI 90, 3500K, 3000lm

## Calculation Summary

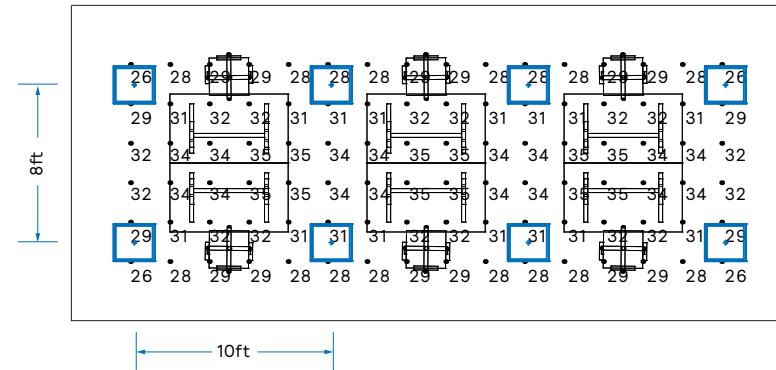
Calc. Type	Units	Average	Maximum	Minimum	Avg./Min.	Max./Min.
Illuminance	fc	31.13	35	26	1.20	1.35

## LPD Area Summary

Area	Total Power	LPD
576 ft <sup>2</sup>	140.8 W	0.244 W/ft <sup>2</sup>

### Notes:


1. Small office dimensions: 40'L x 20'W, 10'H
2. Calculation height & spacing: 2.5' AFF, 2'x2' between points
3. LLF: 0.850 (used for all luminaires)



# BloomBox Application Guide

Large open office

## Luminaire Schedule

Symbol	Qty	Catalog code	Description
	25	BB22D1STL94050Y1DE	2x2, Recessed, CRI 90, 4000K, 5000lm

## Calculation Summary

Calc. Type	Units	Avg.	Max.	Min.	Avg./Min.	Max./Min.
Illuminance	fc	24.24	29	19	1.28	1.53

## LPD Area Summary

Area	Total Power	LPD
4624 ft <sup>2</sup>	735 W	0.159 W/ft <sup>2</sup>

### Notes:

1. Office dimensions: 68'L x 68'W x 10'H
2. Calculation height & spacing: 2.5' AFF, 2'x2' between points
3. LLF: 0.850 (used for all luminaires)






# BloomBox Application Guide

School classroom

## Luminaire Schedule

Symbol	Qty	Catalog code	Description
	6	BB22D1STL94050Y1DE	2x2, Recessed, CRI 90, 4000K, 5000lm

## Calculation Summary

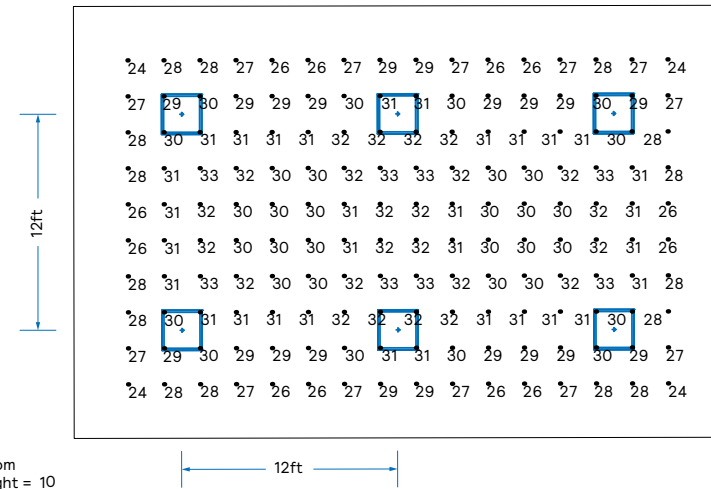
Calc. Type	Units	Average	Max.	Min.	Avg./Min.	Max./Min.
Illuminance	fc	29.64	33	24	1.24	1.38

## LPD Area Summary

Area	Total Power	LPD
864 ft <sup>2</sup>	176.4 W	0.204 W/ft <sup>2</sup>

### Notes:

1. Classroom dimensions: 30'L x 20'W x 10'H
2. Calculation height & spacing: 2.5' AFF, 2'x2' between points
3. LLF: 0.850 (used for all luminaires)





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