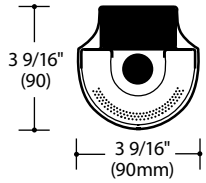
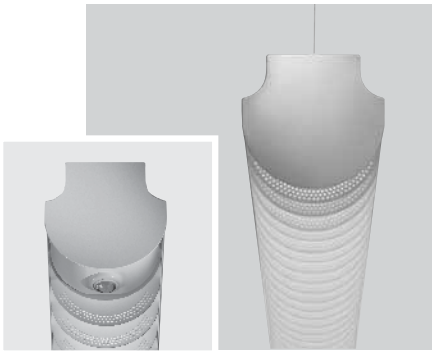
LITECONTROL

Fixture Type:
Project Name:

**BWP** (perforated baffle)




CS™ Control Solutions available



# Staklite 500™

P-D-0500, S-D-0500
Pendant-Mounted Direct
Surface-Mounted Direct

## Product Description

Die-formed and welded steel housing. Steel end caps with shape and finish to match housing. UL Listed. This fixture is Cradle to Cradle Silver Certified[CM] by MBDC.

## Ordering Guide (for ordering with CS/ir see page 4)

| Product, lamping, & length | | | | | | Options | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | D - | 05 | | | | | | | 1CWQ - | | |
| Mounting | Distribution | Series | Lamp Count | Nominal Length(ft) | Lamp Type | Baffle | Finish | Ballast | Circuiting | Other Options | Volts |
| **P** Pendant<br>**S** Surface | **D** Direct | **05** | **1** → **4**<br>**2** → **8**<br>see **notes** | | **T8**<br>**T5HO**<br>**T5** | **BW**<br>**BWP**<br>**BW/O**<br>**BWP/O**<br>see **Baffle Options** | **CWM** (Matte White) is standard<br>see **LiteColors**™ for other finishes | **ELB10** is std. for T8<br>**LP/ELB** is std. for T5 or T5HO<br>**DA/MK7**<br>**LPD/DIO**<br>**LPD/MK7**<br>**LPD/CS/e**<br>see **Ballast Options** | **1CWQ** | **AS1**<br>**AS2**<br>**CS/ir***<br>**F**<br>**LP/EF**<br>see **Other Options** | **120**<br>**277** |

**Mounting Options**
- add to end of catalog number

**Aircraft Cables**
☑ **FAI/ACC** (field adjustable) *standard*

**Stems**
☐ **P6S** (stem)
☐ **SC/P6** (sloped ceiling)
☐ **EQ/P6** (earthquake)

**notes:**
Lamp Count = total number of lamps in the fixture
**For Ordering guide information in shaded areas, choose selection by reading ACROSS the shaded areas for correct specifications.**
* For ordering with CS/ir see page 4

**P-D-0514T8-BW-CWM-ELB10-1CWQ-120-FAI/ACC** is a typical catalog number for a pendant-mounted 1-lamp, 4-foot long T8 fixture with solid baffle, Matte White finish, electronic ballast, pre-wired single-circuit branch wiring and quick-connects, 120 volts, mounted with field adjustable aircraft cables.

**Cross-section lamping**


## Other Options

**AS1** Aisle Shield for One Side. Die-formed 24-gauge steel, used to obtain 25° crosswise shielding. Sides of shield are formed to follow contour of curved baffle blades. Finished Matte White to match baffle (unless otherwise specified).

**AS2** Aisle Shield for Two Sides. Die-formed 24-gauge steel, used to obtain 25° crosswise shielding. Sides of shield are formed to follow contour of curved baffle blades. Finished Matte White to match baffle (unless otherwise specified).

**CS/ir** Control Solution. See page 4.

**F** Fuse. Slow or fast blow, determined by Litecontrol.

**LP/EF** Low-profile Emergency Fluorescent Ballast. Battery-powered ballast from a UL Listed manufacturer will operate one lamp for 1 1/2 hours.

**BW** (solid baffle)

## Baffle Options

**BW** Blade Baffle, Matte White. Die-formed steel rails and blades, finished Matted White. Baffles are attached with spring clips that allow for easy removal, without tools, for re-lamping. Lengthwise shielding is 30°.

**BWP** Blade Baffle, Matte White, Perforated Blades. Same as BW with three rows of holes along the exterior radius of the baffle.

**BW/O** Blade Baffle, Matte White, with Overlay. Same as BW with a U-shaped white acrylic diffusing lens snapped inside the baffle assembly to reduce the brightness of the lamps.

**BWP/O** Blade Baffle, Matte White, Perforated Blades, with Overlay. Same as BW/O with three rows of holes along the exterior radius of the baffle.

## Ballast Options CSe

Specify in place of **ELB10** or **LP/ELB**, contact factory for availability/compatibility with lamping:

**DA/MK7** Advance Mark VII dimming ballast (T8)
**LPD/DIO** Low-profile Universal DIO dimming ballast (T5)
**LPD/MK7** Low-profile Advance Mark VII dimming ballast (T5HO)

**To have the fixture enabled for Lutron EcoSystem compatibility:**
**LPD/CS/e** EcoSystem low-profile dimming electronic ballasts installed at the factory, along with all required internal EcoSystem wiring. For other configurations of the Lutron EcoSystem components, including custom device connection feeds to enable connection to ceiling-mounted sensors and control devices, consult litecontrol.com/cs or contact the factory.

**Questions to Ask**

**1.** Row information, including desired fixture lengths? **2.** Lamp type?
**3.** Baffle type? **4.** White or other finish? **5.** Ballast options?
**6.** Controls solutions? **7.** Other options? **8.** 120 or 277 volt?

revised 5/19/2011

Click on **Quick Find 05**
litecontrol.com

## Specifications

**HOUSING.** Die-formed and welded steel. Furnished with steel splines for precise alignment and ground continuity at each joint.
**END CAPS.** End caps are used at ends of individual fixtures and at ends of rows only. Shape of end caps match baffles.
**LAMPING.** Available in one-lamp T8 and one-lamp T5 or T5HO in cross-section.
**BALLAST.** Electronic Ballast (**ELB10 -** for T8 lamping) or Low-profile Electronic Ballast (**LP/ELB -** for T5 or T5HO lamping), high power factor, thermally protected Class P, Sound Rated A, less than 10% THD, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. Ballasts with a voltage range of 120 to 277 will be used when fixture configuration and ballast availability allow. The minimum number of ballasts will be used.
**CIRCUITING.** Fixtures are supplied with #12 AWG type THHN wire for branch circuits. One end will have factory-installed push-in quick-connects. The other end will be stripped back 1/2" for quick connection in the field. For fixtures to accommodate special circuits such as night light and emergency, etc., in-field wiring will be required. See online Pre-Wiring Information sheet in Service Center > Downloads at litecontrol.com for details.
**BALLAST DISCONNECT.** Fixture supplied with a ballast disconnect device to enable compliance with the NEC.
**MOUNTING.** Fixtures may be surface-mounted or pendant-mounted with aircraft cable or rigid stem pendants. Additional supports for mounting to stacks (stack-mounted) supplied by others. For pendant-mounted standard suspension provided is field adjustable aircraft cable (**FAI/ACC**) with a 51" length cable. See online Aircraft Cables and Stems sheet in Service Center > Downloads at litecontrol.com for details.
**CERTIFICATION.** Fixture and electrical components are UL and/or CUL Listed, and bear the I.B.E.W., A.F. of L. label. This fixture is Cradle to Cradle Certified[CM] Silver by MBDC. Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.

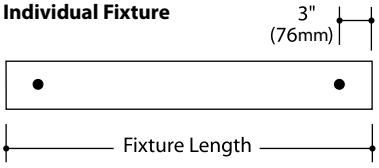
## Planning for Installation

**Suspension Assemblies**
Provided with P6S (5/8" dia., 3/8" NPT) stems, or 3/32" diameter field adjustable aircraft cables (**FAI/ACC**) in 51" lengths (4' nominal). Stems with 0-45° swivel joints are available. Longer length aircraft cables of 87" and 219" are available upon request. See Stems & Aircraft Cables sheets for further details.

**Stem Lengths**
P6S stems are available in eight standard lengths from 6" to 36" (nominal). The actual ceiling-to-top-of-fixture dimensions for each of the standard lengths are: 6", 9", 12", 15", 18", 24", 28", and 36". Refer to Standard Length Stem Assemblies sheet for dimensional information on sloped ceiling (**SC/P6**) and earthquake (**EQ/P6**) stem assemblies.

**Suspension Mounting Locations**
Pendant locations at ends of rows (or individual fixtures) are 3" from fixture end. Pendant locations at in-row joints are 3" from the joint. All pendant types (cable or stem) attach to universal flat strap for mounting either at a fixture end or across two fixtures at a row joint. Strap attachment allows for horizontal adjustment to "fine-tune" side-to-side leveling.

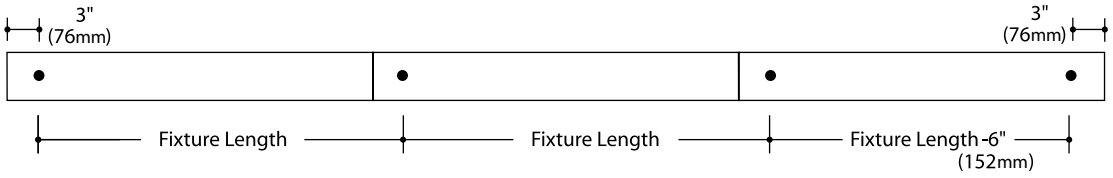
**Individual Fixture**



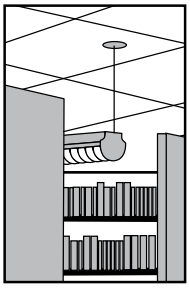

Fixture Lengths:
48" (1219mm) and 96" (2438)

- 7/8" diameter knockout for pendant mounting

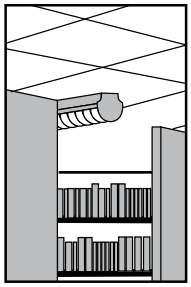
**Row Diagram** **Note: See pages 6-8 for row configurations with the CS/ir option.**



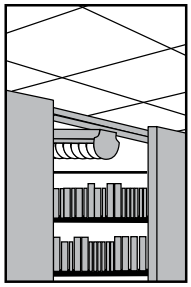

**Mounting Options**



**P-D-0500**
(Pendant mounted)



**S-D-0500**
(Surface mounted to ceiling)



**S-D-0500** (Surface mounted to optional supports by others)

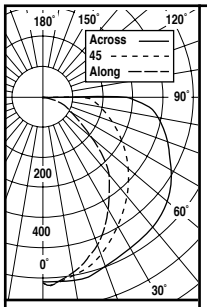
For stack-mounting, fixtures may mount directly to either existing support bars between stacks, if available, or to framing installed for this purpose. Standard channels or struts are available in a variety of sizes and configurations from manufacturers such as Unistrut and Kindorf.

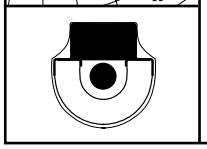


LITECONTROL

100 Hawks Avenue Hanson, MA 02341
781 294 0100 f: 781 293 2849 litecontrol.com

## Photometric Data



### CANDLEPOWER SUMMARY

| ANGLE | 0 | 22.5 | 45 | 67.5 | 90 | OUTPUT LUMENS |
|---|---|---|---|---|---|---|
| 90 | 11 | 42 | 141 | 241 | 278 | |
| 85 | 22 | 53 | 173 | 297 | 350 | 190 |
| 80 | 38 | 66 | 195 | 326 | 385 | |
| 75 | 56 | 81 | 220 | 352 | 412 | 235 |
| 70 | 76 | 99 | 247 | 375 | 436 | |
| 65 | 97 | 124 | 276 | 400 | 460 | 269 |
| 60 | 123 | 163 | 305 | 425 | 487 | |
| 55 | 165 | 209 | 337 | 448 | 511 | 299 |
| 50 | 221 | 257 | 367 | 470 | 530 | |
| 45 | 281 | 310 | 397 | 492 | 546 | 312 |
| 40 | 335 | 361 | 426 | 511 | 557 | |
| 35 | 387 | 409 | 458 | 527 | 565 | 294 |
| 30 | 435 | 451 | 492 | 544 | 570 | |
| 25 | 479 | 491 | 526 | 565 | 581 | 245 |
| 20 | 521 | 528 | 555 | 586 | 596 | |
| 15 | 557 | 560 | 579 | 602 | 607 | 165 |
| 10 | 589 | 588 | 598 | 610 | 609 | |
| 5 | 612 | 607 | 610 | 612 | 608 | 59 |
| 0 | 615 | 615 | 615 | 615 | 615 | |

### P-D-0514T8-BWP-LP/ELB 71.2% Efficiency
### Litecontrol Certified Test Report #32511991

| RCC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | .85 | .85 | .85 | .85 | .83 | .83 | .83 | .83 | .79 | .79 | .79 | .76 | .76 | .76 | .73 | .73 | .73 | .71 |
| 1 | .76 | .71 | .68 | .64 | .73 | .70 | .66 | .63 | .66 | .64 | .61 | .64 | .61 | .59 | .61 | .59 | .57 | .56 |
| 2 | .68 | .61 | .56 | .51 | .66 | .60 | .55 | .50 | .57 | .53 | .49 | .55 | .51 | .48 | .53 | .50 | .47 | .45 |
| 3 | .62 | .54 | .47 | .42 | .60 | .52 | .46 | .42 | .50 | .45 | .41 | .48 | .44 | .40 | .46 | .43 | .39 | .38 |
| 4 | .57 | .47 | .41 | .35 | .55 | .46 | .40 | .35 | .45 | .39 | .35 | .43 | .38 | .34 | .41 | .37 | .34 | .32 |
| 5 | .52 | .42 | .35 | .30 | .50 | .41 | .34 | .30 | .39 | .34 | .29 | .38 | .33 | .29 | .36 | .32 | .28 | .27 |
| 6 | .47 | .37 | .31 | .26 | .46 | .37 | .30 | .25 | .35 | .30 | .25 | .34 | .29 | .25 | .33 | .28 | .25 | .23 |
| 7 | .44 | .33 | .27 | .22 | .43 | .33 | .27 | .22 | .32 | .26 | .22 | .31 | .25 | .22 | .30 | .25 | .21 | .20 |
| 8 | .40 | .30 | .24 | .19 | .39 | .29 | .23 | .19 | .29 | .23 | .19 | .28 | .23 | .19 | .27 | .22 | .19 | .17 |
| 9 | .37 | .27 | .21 | .17 | .36 | .27 | .21 | .17 | .26 | .20 | .16 | .25 | .20 | .16 | .24 | .20 | .16 | .15 |
| 10 | .35 | .25 | .19 | .15 | .34 | .24 | .19 | .15 | .24 | .18 | .15 | .23 | .18 | .14 | .22 | .18 | .14 | .13 |

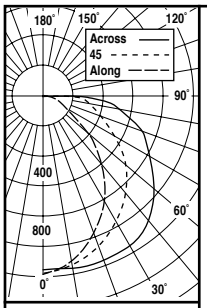
Floor Cavity Reflectance .20

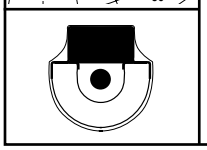
### ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|---|---|---|---|
| 180-90° | 0 | .00 | .00 |
| 90-0° | 2063 | 71.17 | 100.00 |
| 180-0° | 2063 | 71.17 | 100.00 |

### LUMINANCE SUMMARY (fL)

| angle | 0° | 45° | 90° |
|---|---|---|---|
| 45° | 1069 | 1518 | 2087 |
| 55° | 773 | 1586 | 2406 |
| 65° | 618 | 1765 | 2941 |
| 75° | 580 | 2291 | 4307 |
| 85° | 675 | 5351 | 10851 |



### CANDLEPOWER SUMMARY

| ANGLE | 0 | 22.5 | 45 | 67.5 | 90 | OUTPUT LUMENS |
|---|---|---|---|---|---|---|
| 90 | 16 | 72 | 214 | 294 | 279 | |
| 85 | 40 | 92 | 281 | 422 | 446 | 276 |
| 80 | 69 | 117 | 326 | 491 | 533 | |
| 75 | 100 | 142 | 378 | 564 | 623 | 383 |
| 70 | 132 | 174 | 426 | 633 | 707 | |
| 65 | 168 | 227 | 488 | 681 | 766 | 467 |
| 60 | 210 | 318 | 563 | 742 | 823 | |
| 55 | 293 | 415 | 643 | 814 | 899 | 555 |
| 50 | 411 | 512 | 724 | 889 | 975 | |
| 45 | 523 | 607 | 797 | 958 | 1043 | 608 |
| 40 | 630 | 702 | 863 | 1018 | 1097 | |
| 35 | 728 | 789 | 925 | 1063 | 1135 | 582 |
| 30 | 823 | 870 | 981 | 1098 | 1158 | |
| 25 | 912 | 946 | 1034 | 1127 | 1170 | 479 |
| 20 | 991 | 1014 | 1080 | 1145 | 1173 | |
| 15 | 1065 | 1074 | 1121 | 1160 | 1173 | 317 |
| 10 | 1127 | 1127 | 1151 | 1167 | 1165 | |
| 5 | 1174 | 1167 | 1174 | 1168 | 1158 | 112 |
| 0 | 1175 | 1175 | 1175 | 1175 | 1175 | |

### P-D-0514T5HO-BWP-LP/ELB 75.5% efficiency
### Litecontrol Certified Test Report #32516991

| RCC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | .90 | .90 | .90 | .90 | .88 | .88 | .88 | .88 | .84 | .84 | .84 | .80 | .80 | .80 | .77 | .77 | .77 | .75 |
| 1 | .81 | .77 | .73 | .70 | .79 | .75 | .71 | .68 | .72 | .69 | .66 | .69 | .66 | .64 | .66 | .64 | .62 | .61 |
| 2 | .73 | .66 | .61 | .56 | .71 | .65 | .60 | .55 | .62 | .58 | .54 | .60 | .56 | .53 | .57 | .54 | .51 | .50 |
| 3 | .67 | .58 | .52 | .47 | .65 | .57 | .51 | .46 | .55 | .50 | .45 | .53 | .48 | .44 | .51 | .47 | .44 | .42 |
| 4 | .61 | .52 | .45 | .39 | .59 | .51 | .44 | .39 | .49 | .43 | .39 | .47 | .42 | .38 | .45 | .41 | .37 | .36 |
| 5 | .56 | .46 | .38 | .33 | .54 | .45 | .38 | .33 | .43 | .37 | .33 | .41 | .36 | .32 | .40 | .36 | .32 | .30 |
| 6 | .51 | .41 | .34 | .29 | .50 | .40 | .33 | .28 | .39 | .33 | .28 | .37 | .32 | .28 | .36 | .31 | .28 | .26 |
| 7 | .47 | .37 | .30 | .25 | .46 | .36 | .29 | .25 | .35 | .29 | .25 | .34 | .28 | .24 | .33 | .28 | .24 | .23 |
| 8 | .44 | .33 | .26 | .22 | .42 | .32 | .26 | .21 | .31 | .25 | .21 | .30 | .25 | .21 | .29 | .25 | .21 | .19 |
| 9 | .40 | .30 | .23 | .19 | .39 | .29 | .23 | .19 | .28 | .22 | .18 | .27 | .22 | .18 | .27 | .22 | .18 | .17 |
| 10 | .37 | .27 | .21 | .16 | .36 | .26 | .21 | .16 | .26 | .20 | .16 | .25 | .20 | .16 | .24 | .19 | .16 | .15 |

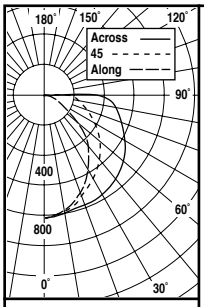
Floor Cavity Reflectance .20

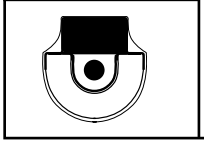
### ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|---|---|---|---|
| 180-90° | 0 | .00 | .00 |
| 90-0° | 3773 | 75.48 | 100.00 |
| 180-0° | 3773 | 75.48 | 100.00 |

### LUMINANCE SUMMARY (fL)

| angle | 0° | 45° | 90° |
|---|---|---|---|
| 45° | 1993 | 3046 | 3989 |
| 55° | 1378 | 3032 | 4238 |
| 65° | 1072 | 3117 | 4900 |
| 75° | 1044 | 3936 | 6509 |
| 85° | 1229 | 8689 | 13848 |



### CANDLEPOWER SUMMARY

| ANGLE | 0 | 22.5 | 45 | 67.5 | 90 | OUTPUT LUMENS |
|---|---|---|---|---|---|---|
| 90 | 28 | 53 | 177 | 307 | 357 | |
| 85 | 42 | 65 | 218 | 378 | 445 | 243 |
| 80 | 56 | 85 | 245 | 412 | 485 | |
| 75 | 76 | 106 | 275 | 444 | 519 | 298 |
| 70 | 99 | 129 | 311 | 473 | 547 | |
| 65 | 129 | 161 | 351 | 503 | 577 | 342 |
| 60 | 161 | 211 | 392 | 540 | 617 | |
| 55 | 218 | 275 | 433 | 573 | 655 | 387 |
| 50 | 297 | 342 | 478 | 607 | 689 | |
| 45 | 378 | 407 | 520 | 638 | 715 | 409 |
| 40 | 450 | 471 | 564 | 667 | 736 | |
| 35 | 518 | 532 | 602 | 695 | 753 | 387 |
| 30 | 581 | 591 | 641 | 717 | 766 | |
| 25 | 641 | 647 | 681 | 733 | 775 | 321 |
| 20 | 695 | 698 | 721 | 750 | 777 | |
| 15 | 741 | 745 | 761 | 774 | 784 | 216 |
| 10 | 784 | 783 | 793 | 800 | 798 | |
| 5 | 812 | 811 | 816 | 815 | 808 | 78 |
| 0 | 821 | 821 | 821 | 821 | 821 | |

### P-D-0514T5HO-BWP/O-LP/ELB 53.5% Efficiency
### Litecontrol Certified Test Report #32516990

| RCC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | .64 | .64 | .64 | .64 | .62 | .62 | .62 | .62 | .59 | .59 | .59 | .57 | .57 | .57 | .55 | .55 | .55 | .53 |
| 1 | .57 | .54 | .51 | .48 | .55 | .53 | .50 | .47 | .50 | .48 | .46 | .48 | .46 | .45 | .46 | .44 | .43 | .42 |
| 2 | .51 | .46 | .42 | .38 | .50 | .45 | .41 | .38 | .43 | .40 | .37 | .41 | .39 | .36 | .40 | .37 | .35 | .34 |
| 3 | .47 | .40 | .36 | .32 | .45 | .40 | .35 | .32 | .38 | .34 | .31 | .36 | .33 | .30 | .35 | .32 | .30 | .29 |
| 4 | .43 | .36 | .31 | .27 | .41 | .35 | .30 | .27 | .34 | .30 | .26 | .32 | .29 | .26 | .31 | .28 | .26 | .24 |
| 5 | .39 | .32 | .26 | .23 | .38 | .31 | .26 | .22 | .30 | .25 | .22 | .29 | .25 | .22 | .28 | .24 | .22 | .20 |
| 6 | .36 | .28 | .23 | .20 | .35 | .28 | .23 | .19 | .27 | .22 | .19 | .26 | .22 | .19 | .25 | .21 | .19 | .18 |
| 7 | .33 | .25 | .20 | .17 | .32 | .25 | .20 | .17 | .24 | .20 | .17 | .23 | .19 | .16 | .23 | .19 | .16 | .15 |
| 8 | .30 | .23 | .18 | .15 | .30 | .22 | .18 | .15 | .22 | .17 | .14 | .21 | .17 | .14 | .20 | .17 | .14 | .13 |
| 9 | .28 | .21 | .16 | .13 | .27 | .20 | .16 | .13 | .19 | .15 | .13 | .19 | .15 | .12 | .18 | .15 | .12 | .11 |
| 10 | .26 | .19 | .14 | .11 | .25 | .18 | .14 | .11 | .18 | .14 | .11 | .17 | .14 | .11 | .17 | .13 | .11 | .10 |

Floor Cavity Reflectance .20

### ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|---|---|---|---|
| 180-90° | 0 | .00 | .00 |
| 90-0° | 2674 | 53.49 | 100.00 |
| 180-0° | 2674 | 53.49 | 100.00 |

### LUMINANCE SUMMARY (fL)

| angle | 0° | 45° | 90° |
|---|---|---|---|
| 45° | 1439 | 1990 | 2731 |
| 55° | 1024 | 2042 | 3085 |
| 65° | 820 | 2242 | 3690 |
| 75° | 789 | 2868 | 5424 |
| 85° | 1291 | 6749 | 13813 |

LITECONTROL CS™
control solutions

# Staklite 500 CS ir

The CS/ir control solution turns Staklite on and off based on occupancy. The sensors use passive infrared (PIR) sensing technology that reacts to movement of infrared energy sources (moving body heat) within the coverage area. Once the space is vacant and the preset 30-minute time delay elapses, lights will turn off. Sensors must have direct vision of motion in order to turn on the luminaires. Careful consideration must be given to sensor placement such that there are no obstructions in the sensor's field of view. Avoid placing the sensor where shelving or other obstructions may block the sensor's line of sight.

Cradle to Cradle Certification for this fixture applies to the standard fixture without the CS/ir option. Certification with the CS/ir option is currently under review.

## CS/ir Ordering Guide

Product, lamping, & length | Options

**D -** **05** **1CWQ -**

| Mounting | Distribution | Series | Lamp Count | Nominal Length (ft) | Lamp Type | Baffle | Finish | Ballast | Pre-Wiring | Other Options | Row Length | Volts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **P** Pendant-Mounted<br>**S** Surface-Mounted | **D** Direct | **05** | **1 ➔** **4**<br>**2 ➔** **8**<br>see **notes** | | **T8**<br>**T5HO**<br>**T5** | **BW**<br>**BWP**<br>**BW/O**<br>**BWP/O**<br>see **Baffle Options on pg 2** | **CWM** (Matte White) is standard<br>see *LiteColors™* for other finishes | **ELB10/PS** is std. for T8<br>**LP/ELB10/PS** is std. for T5 or T5HO<br>**DA/MK7**<br>**LPD/CS/e**<br>**LPD/DIO**<br>**LPD/MK7**<br>see **Ballast Options** | **1CWQ** | **CS/ir**<br>**CS/ir/EM**<br>**LP/EF**<br>**F**<br>**AS1**<br>**AS2**<br>see **Other Options** | **4 - 48** in 4-foot increments | **120**<br>**277** |

Mounting Options
- add to end of catalog number

**Aircraft Cables**
☐ **FAI/ACC** (field adjustable) *standard*

**Stems**
☐ **P6S** (stem)
☐ **SC/P6** (sloped ceiling)
☐ **EQ/P6** (earthquake)

**notes:**
Lamps= total number of lamps in cross-section

**P-D-0528T8-BW-CWM-ELB10/PS-1CWQ-CS/ir-16-120-FAI/ACC** is a typical catalog number for a pendant-mounted 1-lamp, 8-foot long T8 fixture with solid baffle, Matte White finish, electronic ballast, pre-wired single-circuit branch wiring and quick-connects, passive infra-red occupancy sensor, 16-foot row, 120 volts, mounted with field adjustable aircraft cables.

## Other Options

**CS/ir** Fixtures shall be provided with passive infrared sensors 8' O.C. for continuous row mounting applications. Multiple sensors operate together for each continuous row such that activation of any sensor turns on the entire row of luminaires. Please refer to Staklite CS/ir section for specific row configuration details and infrared sensor specifications. All fixtures specified with the CS/ir option will be provided with programmed-start ballasts as described in ballast options.

**CS/ir/EM** Connection to separate circuit emergency feed.

**LP/EF** Low-profile Emergency Fluorescent Ballast. Battery-powered ballast from a UL-Listed manufacturer will operate one T8, T5, or T5HO lamp for 1-1/2 hours.

**F** Fuse. Slow or fast blow, determined by Litecontrol.

**AS1** Aisle Shield for One Side. Die-formed 24-gauge steel, used to obtain 25° crosswise shielding. Sides of shield are formed to follow contour of curved baffle blades. Finished Matte White to match baffle (unless otherwise specified).

**AS2** Aisle Shield for Two Sides. Die-formed 24-gauge steel, used to obtain 25° crosswise shielding. Sides of shield are formed to follow contour of curved baffle blades. Finished Matte White to match baffle (unless otherwise specified).

## Ballast Options

**ELB10/PS** Programmed-start electronic ballast (standard for T8 Lamps when the CS/ir option is specified)

**LP/ELB/PS** Low-profile programmed-start ballast (standard for T5 and T5HO lamps when the CS/ir option is specified)

Specify in place of **ELB10** or **LP/ELB**, contact factory for availability/ compatibility with lamping:

**DA/MK7** Advance Mark VII dimming ballast (T8)

**LPD/CS/e** Lutron EcoSystem dimming ballast

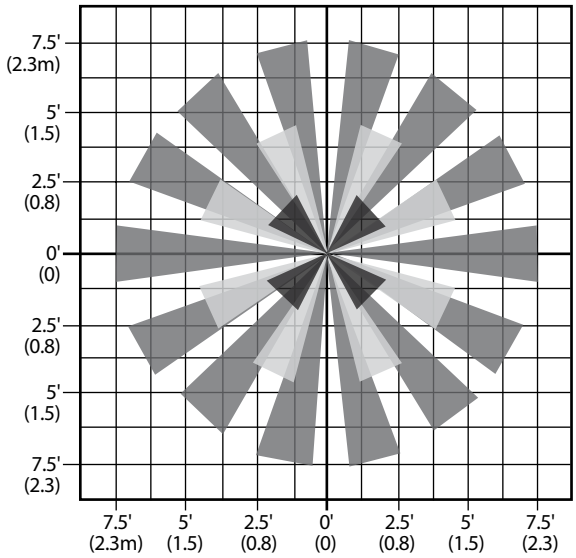
**LPD/DIO** Low-profile Universal DIO dimming ballast (T5)

**LPD/MK7** Low-profile Advance Mark VII dimming ballast (T5HO)

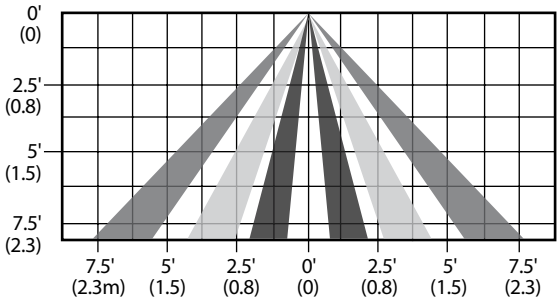
## Occupancy Sensor Coverage Pattern

Density and range of the coverage pattern is determined by mounting height. The Watt Stopper FS-205 has a multi-cell, multi-tier Fresnel lens with a view of 360°. This lens is designed to detect small motion when mounted within 6' of occupants. Coverages shown in the diagrams below are maximum. They represent full step walking motion, with no barriers or obstacles. When mounted at a height of 8', the coverage area is approximately 14' in diameter.

**coverage pattern - top view (plan)**




**coverage pattern - side view (elevation)**



## Row Mounting with CS/ir

**Litecontrol has standardized "Styles" based on required internal low voltage occupancy sensor components and connections to ease contractor in-field assembly of continuous rows. When the CS/ir option is specified, rows will be shipped to the site labeled with the appropriate style for assembly as noted. Styles have been engineered to provide sensor coverage every 8' O.C.**

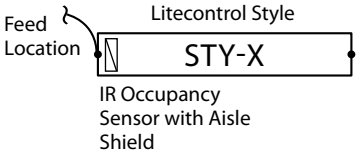
This page illustrates the row-mounting configurations for applications that do not include emergency lighting. The following pages illustrate configurations for emergency battery power or separate-circuit emergency lighting.

Consult Litecontrol for non-standard configurations.

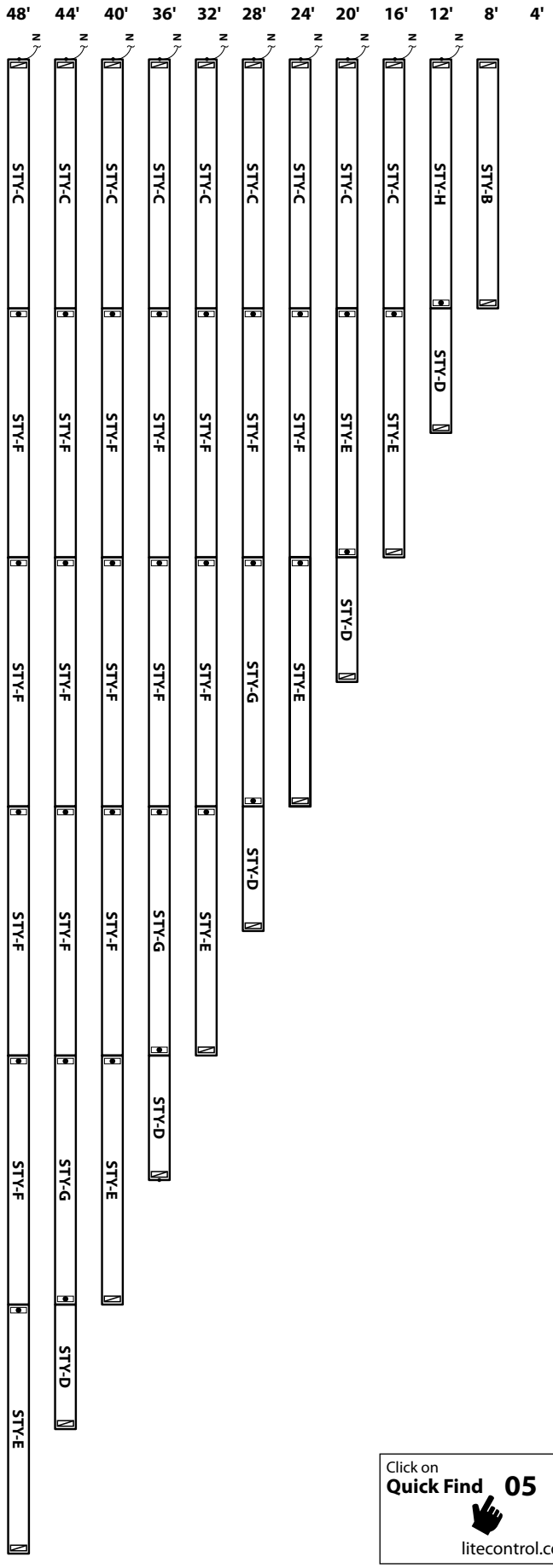
### Symbol List

- IR Occupancy Sensor
- IR Occupancy Sensor with Aisle Shield (blocks 180˚ of sensor viewing angle on aisle side)
- Power Feed Location
- **N** Normal Power

### Key Plan




## Row Mounting with Normal Power

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## Row Mounting with Emergency Battery Power

**Note -** Emergency battery locations have been optimized to conform to most code required minimum / average illuminations. The designer shall be solely responsible for verification of code compliance.

Consult Litecontrol for non-standard configurations.

### Symbol List

IR Occupancy Sensor

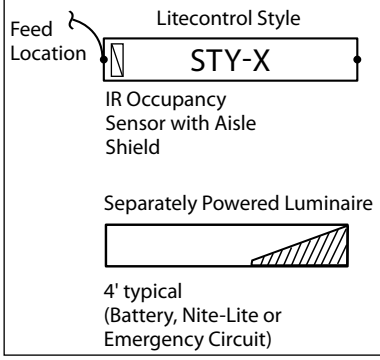
IR Occupancy Sensor with Aisle Shield (blocks 180˚ of sensor viewing angle on aisle side)

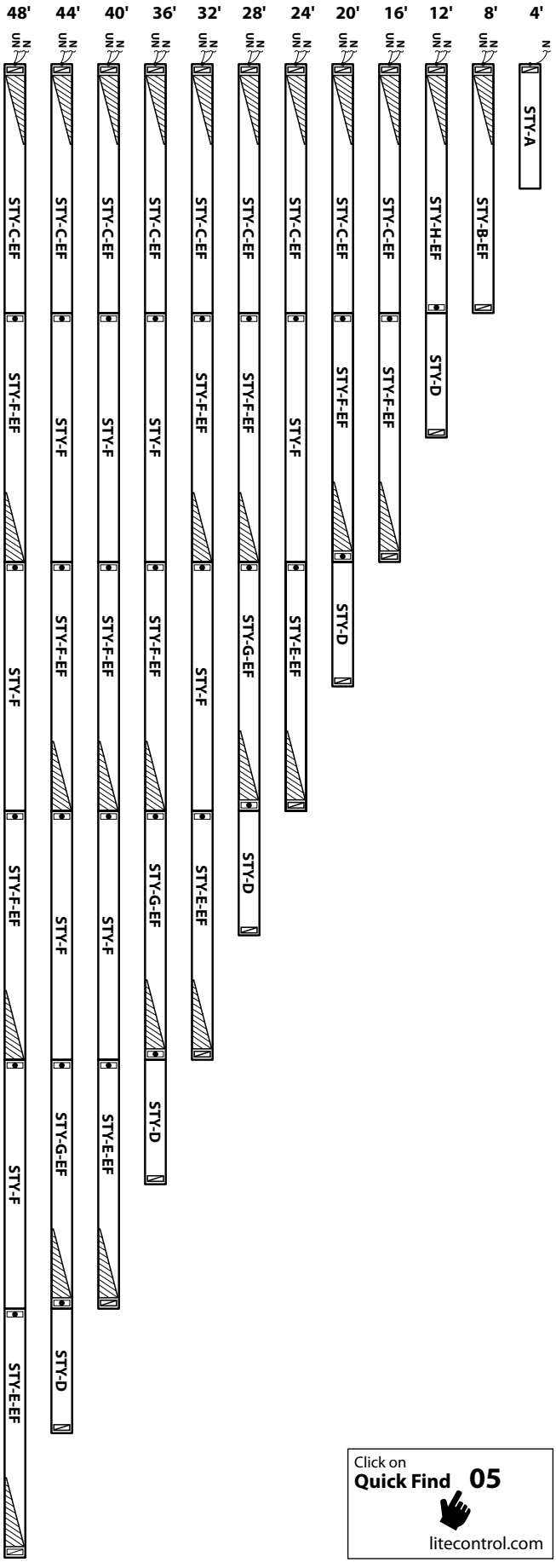
Power Feed Location

**N** Normal Power

**UN** Unswitched Normal Power

### Key Plan

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## Row Mounting with Separate Circuit Emergency

**Note -** Emergency locations have been optimized to conform to most code required minimum / average illuminations. The designer shall be solely responsible for verification of code compliance. Consult Litecontrol for non-standard configurations. Emergency / Nite-lite circuit will not be controlled by occupancy sensor.

### Symbol List

IR Occupancy Sensor

IR Occupancy Sensor with Aisle Shield (blocks 180˚ of sensor viewing angle on aisle side)

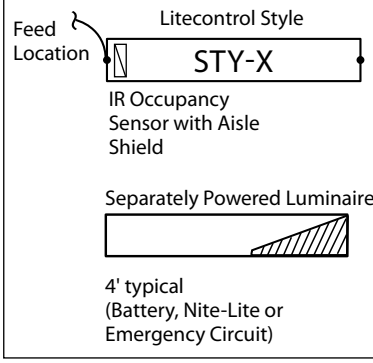
Power Feed Location

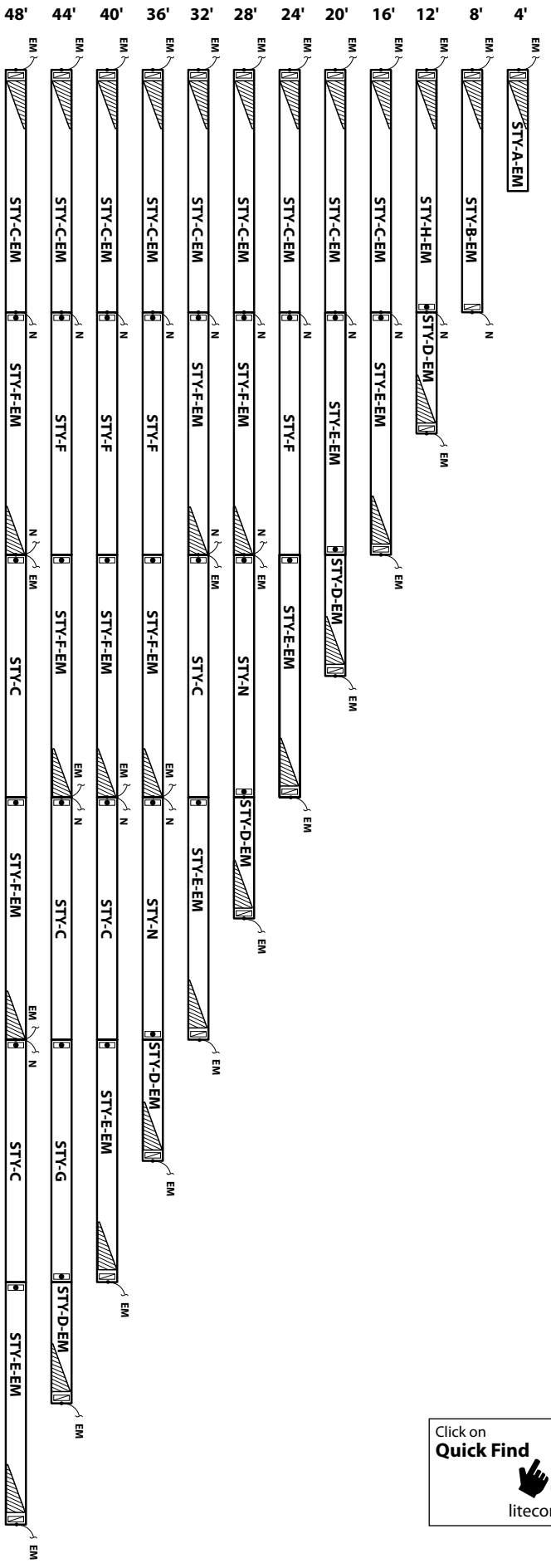
**N** Normal Power

**UN** Unswitched Normal Power

**EM** Emergency/Nite-Lite Source

### Key Plan

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