

3 9/16"

End cap shown actual size

Staklite 500™

- ❖ Excellent book and stack area illumination
- ❖ Unique semi-circular profile
- ❖ Very small scale
- ❖ T8, T5, or T5HO lamping
- ❖ Choice of solid or perforated blade baffles

LITECONTROL



Staklite 500

represents the latest fixture design and optical system technology for library book stacks and other applications where direct lighting is desirable. This new fixture

presents a small cross-section with semi-circular shaped blade baffles to create a feeling of increased openness in confined spaces such as stack areas.

Flexibility in the choice of options makes the fixture an excellent product for many applications. Fixtures can be suspended, surface-mounted or stack-mounted with a choice of baffles, lamp types, diffuser and other performance options.

Applications

- Library book stacks
- Adjoining reading areas
- Low ceiling spaces
- Filing and general use areas
- Corridors



Charles Mayer Photography

small scale

Features and Benefits

Feature

- ❖ Very small scale design
- ❖ Semi-circular blade baffles
- ❖ Tight 1 1/2" blade spacing
- ❖ Choice of T8, T5, or T5HO lamps
- ❖ High efficiency direct distribution

- ❖ Shielding & diffuser options
- ❖ Simple spring-clip attachment of baffle assembly

Benefit

- ❖ Creates openness in confined spaces
- ❖ Unique contemporary appearance
- ❖ Elegant appearance and 30° lengthwise shielding
- ❖ Meets a wide range of lighting requirements
- ❖ Effective, uniform illumination of book stacks and shelves down to the floor
- ❖ Additional flexibility in appearance and performance
- ❖ Easy installation and quick removal for lamp access



BW

BWP

Solid Baffle Assembly (BW)

Perforated Baffle Assembly (BWP) includes three rows of perforations for added brightness.



Aisle Shield
(AS1, AS2)

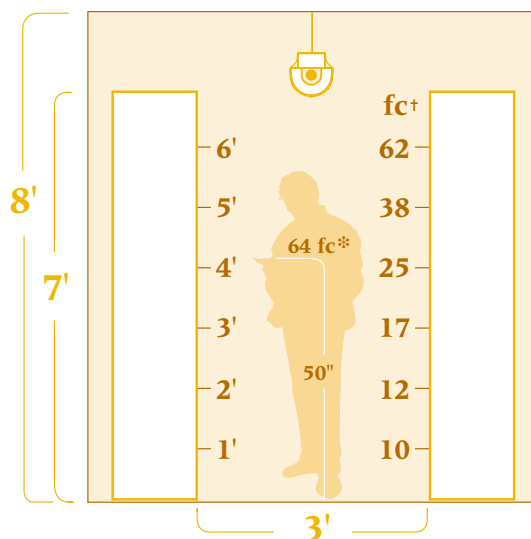


Baffle Overlay
(BW/O, BWP/O)

Staklite 500 *product description:*

- ❖ Steel housing in 4- and 8-foot lengths
- ❖ Small 1-lamp cross-section of 3 9/16"
- ❖ Solid or perforated semi-circular blade baffles at uniform 1 1/2" intervals
- ❖ Simple, spring-clip attachment of baffle assembly
- ❖ Three lamp types (T8, T5, T5HO)

Provides superior uniformity from top to bottom of stacks



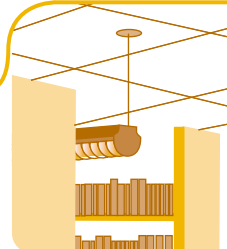
† Vertical illuminance on shelves

* Horizontal illuminance for a reading position at 50" above the floor
(maintained fc, LLF=.75)

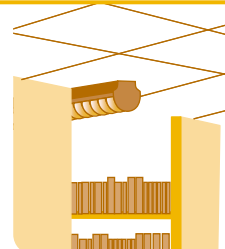
Options available:

- ❖ Aisle shield (1 or 2) for 25° crosswise shielding in open areas
- ❖ A "snap-in" U-shaped white acrylic diffuser/lens (baffle overlay) to reduce lamp/fixture brightness
 - Recommended for T5HO fixtures when direct view of bare lamps is considered too bright.
 - Reduces fixture luminance by 32% on T5HO fixtures.
 - Even with the overlay, a T5HO fixture provides 30% more output than a T8 fixture without the option.

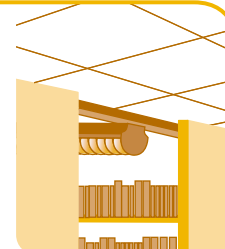
Suspended Surface-mounted Stack-mounted



With aircraft cable or rigid stem pendants



For direct mounting to flat ceiling surfaces



For mounting to existing supports between stacks or to struts as needed

options

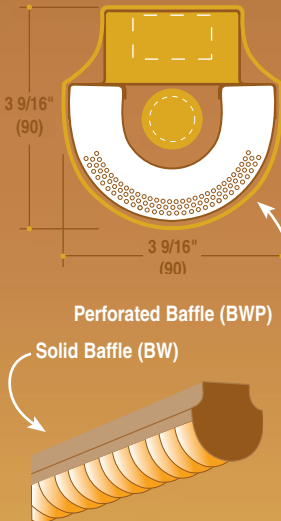
performance

Staklite 500TM

P-D-0500, S-D-0500

Pendant or Surface Mounted Direct

Specifications



HOUSING. Die-formed and welded 20-gauge steel. Furnished with 11-gauge steel splines for insertion at each end of the housing at junction of fixtures in rows for precise alignment and ground continuity. In rows, housing shall form a continuous wireway. End caps are used at ends of individual fixtures and at ends of rows only. Contour of end caps matches that of baffles.

BALLAST. Electronic, high power factor, thermally protected Class P, Sound Rated A, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. The minimum number of ballasts will be used.

BAFFLE ASSEMBLIES. Baffle rails are die-formed 20-gauge steel with 24-gauge baffles offered in either **BW** (solid) or **BWP** (perforated) pattern, finished Matte White. Perforated baffles have three rows of perforations along the exterior radius of the baffle. Blades have a 1 11/16" radius and are spaced 1 1/2" apart to produce a continuous, uniformly spaced appearance over an entire row. Baffles are attached with 22-gauge spring steel retaining clips and are easily removed without tools for re-lamping. Lengthwise shielding is 30°.

BAFFLE OVERLAY. Optional. A U-shaped white acrylic diffuser/lens snaps into the channel formed by the baffle blades and becomes part of the baffle assembly. Reduces perceived brightness of lamps in view.

AISLE SHIELDS. Optional. 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). Available for pendant-mounted fixtures only.

PRE-WIRING. 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 field. For fixtures to accommodate special circuits such as night light and emergency, etc., in-field wiring will be required. See Pre-Wiring Information in the Litecontrol Product Guide for details.

MOUNTING. Fixtures may be surface-mounted or pendant-mounted with aircraft cable or rigid stem pendants. Channel struts or framing for mounting to stacks (stack-mounted) supplied by others. Standard suspension provided is field adjustable aircraft cable (**FAI/ACC**) with a 51" length cable. See Aircraft Cables and Stems in the Litecontrol Product Guide for details.

CERTIFICATION. Fixture and electrical components shall be UL and/or CUL Listed and shall bear the I.B.E.W., A.F. of L. label.

Note: Litecontrol reserves the right to change specifications without notice for product development and improvement.



Ordering guide

Product, Lamping, & Length				
P - Mounting	D - Distribution	05 Series	1 Lamp Count	4 Nominal Length (ft)
P = Pendant-Mounted S = Surface-Mounted	D = Direct		1 → 2 → see notes	4 8
				T8 T5HO T5

Mounting Options - add to end of order number	
Aircraft Cables	
<input type="checkbox"/> FAI/ACC (field adjustable) standard	
<input type="checkbox"/> ACC (fixed)	
Stems	
<input type="checkbox"/> P6S (stem)	
<input type="checkbox"/> SC/P6 (sloped ceiling)	
<input type="checkbox"/> EQ/P6 (earthquake)	

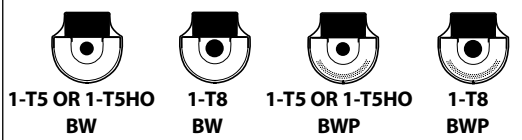
Options					
BW - Baffle	CWM - Color	ELB - Ballast	1CWQ - Pre-Wiring	LP/EF - Option	120 Volts
BW = Solid BWP = Perforated BW/O = Solid with overlay BWP/O = Perforated with overlay	CWM (Matte White) is standard see LiteColors brochure	ELB (T8) LP/ELB (T5) ELB10 MKV/ELB DA-ELB ECO/ELB see Ballast options	1CWQ	LP/EF F AS1 AS2 see Options	120 277

notes:

Lamp Count = the total number of lamps in fixture

For Ordering guide information in shaded areas, choose selection by reading ACROSS the shaded areas for correct specifications.

Cross-section lamping



P-D-0514T8-BW-CWM-ELB-1CWQ-LP/EF-120-FAI/ACC is a typical catalog number for a pendant-mounted one-lamp, 4-foot long T8 fixture with solid baffles, painted Matte White, with electronic ballast, pre-wired with single-circuit branch wiring and quick-connects, with optional low-profile emergency fluorescent ballast, 120 volts, mounted with field adjustable aircraft cables.

Ballast options

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

- ELB10** Electronic ballast, same specification as **ELB**, except less than 10% THD.
- DA-ELB** Advance Mark VII dimming ballast.
- ECO/ELB** Lutron ECO-10 dimming ballast (120V only).

Options

- LP/EF** 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. Pendant-mounted fixtures only.
- AS2** Aisle shield for two sides. Pendant-mounted fixtures only.

