

Stonco



T Bay

T5 and T8
Linear
Fluorescent



Setting the Standard
**FOR INDUSTRIAL
LIGHTING**

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ContractorSolutions



Setting The Standard For Industrial Lighting

The all-new T-Bay fluorescent fixture from Stonco is designed to replace conventional H.I.D. lighting in industrial applications. It's an ingenious blend of technologies as it combines the advantages of T5 and T8 linear fluorescent lamps with the mounting flexibility of high bays. The T-Bay is an environmentally friendly lighting solution because it exceeds the demands of today's growing energy requirements.

Experience Makes the T-Bay Contractor Friendly

Stonco designed the T5 to be Contractor Friendly by including features that make it easier to install and maintain. The T-Bay accepts multiple suspension methods including 3/4" threaded pipe for direct replacement of existing high bay fixtures. Ends and reflector panels are hinged for easy mounting, wiring and quick access to the ballast chamber.

No other T5 fluorescent fixture is built like the T-Bay because no other company has the experience and manufacturing capabilities in both high bay and fluorescent products. The result is a lighting fixture that outperforms all others in operation, quality and energy efficiency.

Greater Efficiency and Low Operating Cost

Standard 400-watt metal halide fixtures rated for 36,000 initial lumens lose up to 45% of their lighting ability through depreciation and fixture inefficiencies. When compared to only a 6% loss of the fluorescent T-Bay rated for 20,000 initial lumens, the maintained lumen output is virtually the same.

A four-light 54-watt HO T5 T-Bay requires only 239 watts as compared to the metal halide which consumes 454 watts, a dramatic 50% savings in energy usage. In addition, the T-Bay produces brighter, more even illumination with features like instant on, built-in switching and low-temperature operation.



Energy Savings



4 Lite T5 54 watt / 6 Lite T8 32 watt

Metal Halide High Bay
Metal Halide 400 watt

Initial Lumens	20,000	21,240*	36,000
Lumens per watt (initial)	83.7	93.2	79.3
Lumen Maintenance Rating	95%	93%	70%
Design Lumens	19,000	19,750	25,200
Fixture Efficiency	98.7%	97.2%	80%
Usable Lumens	18,753	19,197	20,160
Watts per fixture	239	228	454

Up to 50% less energy consumed

Savings per Fixture

**T5- 215 watts
per fixture**
Up to 50% less
energy consumed

**T8- 226 watts
per fixture**
Up to 50% less
energy consumed

*1.2 Ballast Factor

Feature Comparison



Metal Halide High Bay

Lumen Maintenance	Very High (93% - 95%)	Low 70%
Fixture Efficiency	Very High (98.7% / 97.2%)	Low 80%
Lamp Life	20,000 Hours	20,000 Hours
Instant On	Starts Immediately	Slow warm-up
Hot Restrike	Re-starts Immediately	Up to a 20 minute wait
CRI Rating	85%	65%
Uniformity	Light spreads out evenly and minimizes shadows and striations	Hot spots and strong shadows
Built-in Switching	Standard (using multiple ballast arrangements)	Optional Bi-Level (at additional cost)
Motion Sensing	Field Installed	Factory installed option (at additional cost)
Low Temperature Operation	0°F (-18°C)	-20°C
Ambient Temperature Rating	35°C - 55°C (consult factory)	55°C



Built Tough With These Great Features

Top Access Plate

Facilitates flex or cord wiring connections

Flip-Down Ends

Provides access to wiring chamber

Knock-Out Accepts Field-Installed Motion Sensor

Provides access to wiring chamber

Sturdy Construction

20-gauge precision die-formed housing

T5 Advantage

Available in 4 & 6 lite 54 HO T5

Compact Electronic Ballast

High-Efficiency Optics

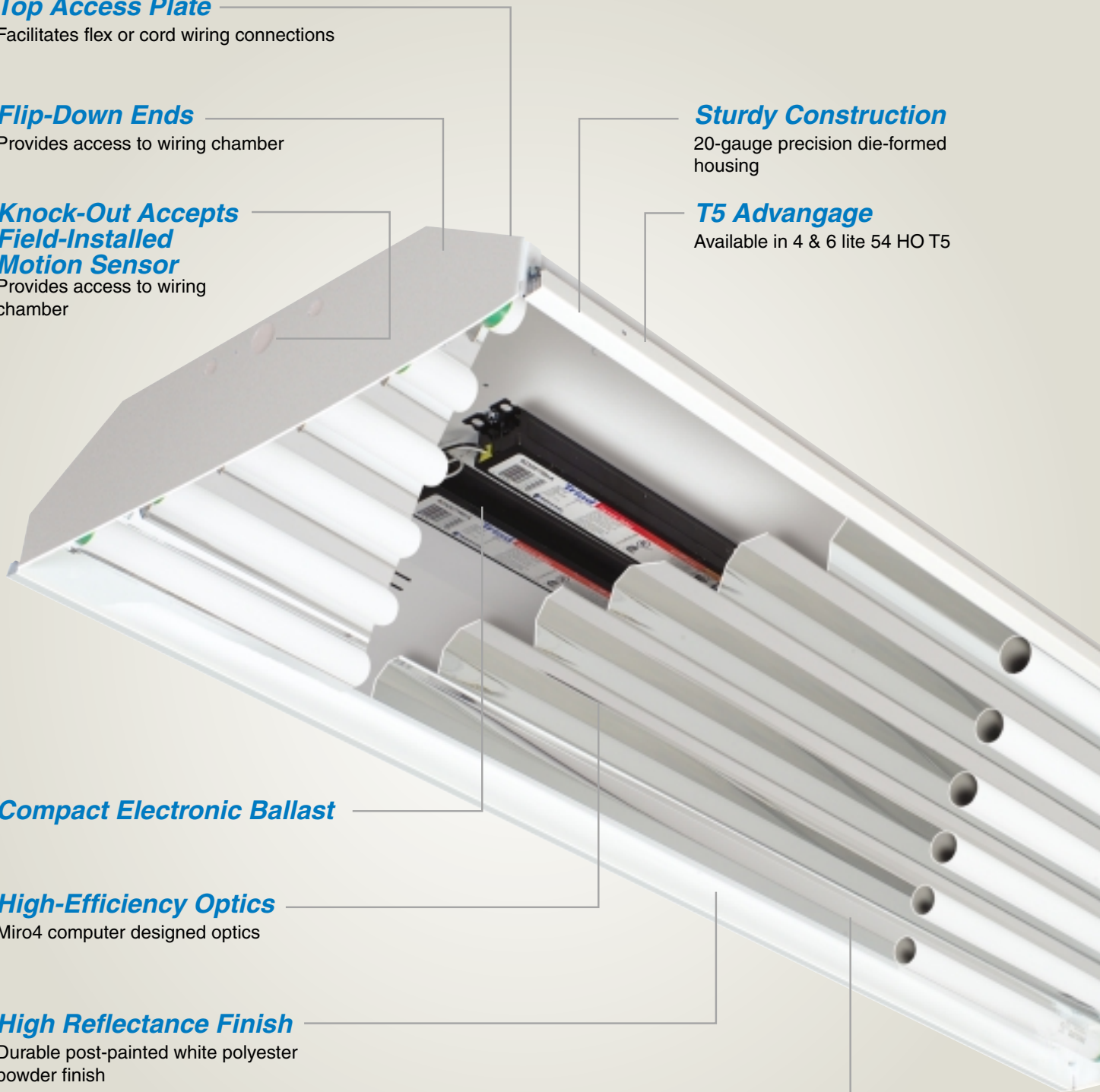
Miro4 computer designed optics

High Reflectance Finish

Durable post-painted white polyester powder finish

Hinged Reflector

Swings down for easy ballast servicing



Contractor Solutions Means Contractor Friendly

Contractor Friendly Features

Hinged Reflector



Top Access Panel



Side Access Panel



Three Mounting Choices

Jack Chain



Pendant/Pipe



1/2" Threaded Rod

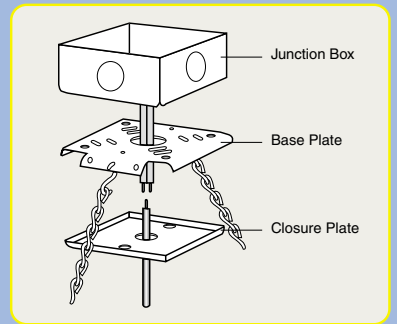


Jack Chain QuickHang

Quick and Easy Installation

Stonco makes hanging the T-Bay fixture exceptionally easy using their QuickHang Plate (TSMTG) and 24" jack chain accessory kit. Install the QuickHang base plate to the junction box with supply wires coming through the access hole. Hang the T-Bay fixture using the supplied chain to the base-plate hooks. Run the SO or flex cord through the closure plate, making connections and attaching the closure plate to the base plate. Finish by making final connections to the fixture using the convenient top access plate and hinged side panel.

Exploded View

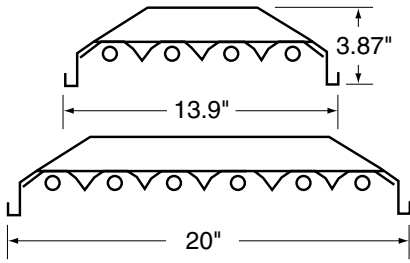


Completed View



T Bay T5

98.7 Fixture Efficiency



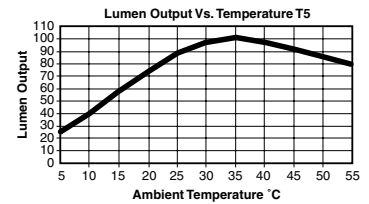
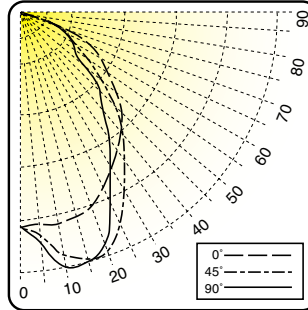
Lamp Type: **FP54T5HO/835**

Initial Lumens: **5000**

of Lamps: **4**

Candlepower Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	7411.	7411.	7411.	7411.	7411.	
5	7358.	7473.	7740.	7950.	8013.	736.2
10	7427.	7868.	8513.	8855.	8931.	
15	7286.	8072.	8759.	8905.	8891.	2397.0
20	7137.	8309.	8796.	8648.	8520.	
25	6704.	7934.	8006.	7516.	7269.	3522.6
30	6246.	7460.	7085.	6358.	6158.	
35	5789.	6943.	6191.	5549.	5262.	3802.0
40	5332.	6382.	5371.	4545.	4361.	
45	5016.	5904.	4614.	3970.	3829.	3661.4
50	4266.	4723.	3555.	3112.	2868.	
55	3727.	3805.	2897.	2296.	2243.	2687.8
60	2987.	2842.	2022.	2022.	2128.	
65	2394.	2053.	1601.	1828.	1815.	1882.7
70	1717.	1391.	1401.	1351.	1315.	
75	1072.	799.	930.	717.	615.	870.1
80	535.	526.	368.	325.	296.	
85	145.	145.	147.	174.	178.	170.9
90	0.	0.	0.	0.	0.	



These tests were performed according to standard IESNA procedures. A specific ballast and lamp combination was used. Other lamp and ballast combinations may yield different results. This test was conducted in a controlled laboratory environment where the ambient temperature was held at 25°C.

Field performance may differ in regards to change in luminous output as a result of differences in ambient temperature and mounting method.

The above chart is a temperature profile of T5 lamps. It graphs light output versus ambient temperature. It may be helpful in determining the feasibility of using a T5 lighting system.

Lumen Summary

Zone	Lumens	%Lamp	%Fixture	Zone	Lumens	%Lamp	%Fixture
0- 30	6656.	33.3	33.7	90-120	0.	0.	0.
0- 40	10458.	52.3	53.0	90-130	0.	0.	0.
0- 60	16807.	84.0	85.2	90-150	0.	0.	0.
0- 90	19731.	98.7	100.0	90-180	0.	0.	0.
Total Luminaire =				0-180	19731.	98.7	100.0

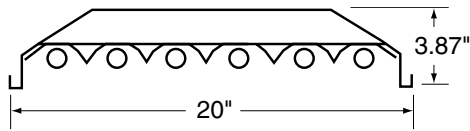
IES Spacing Criteria: End = 1.3 Diagonal = 1.3 Cross = 1.2

Ordering Guide

TS	N	4	54	EB	2	8
Series	Body Width	Optics	Wattage	Ballast	Configurations	Voltage
TS	N=narrow W=wide	4=4 light 6=6 light	54=54w HO T5	EB=electronic ballast	1=(1) 4 light T5 ballast 2=(2) 2 light T5 ballast 4=(1) 2 light T5 and (1) 4 light T5 ballast 5=(3) 2 light T5	1=120 volt 4 = 277 volt 8=120-277 voltage sensing

Bay T8

97.2 Fixture Efficiency



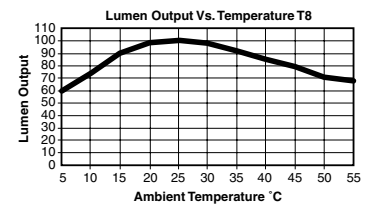
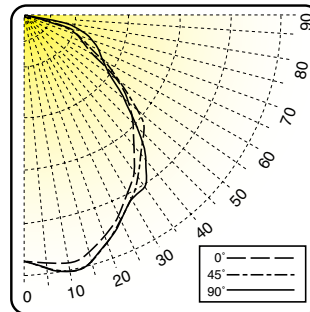
Lamp Type: **F32T8/835**

Initial Lumens: **2950**

of Lamps: **6**

Candlepower Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	5973.	5973.	5973.	5973.	5973.	
5	6018.	6032.	6047.	6077.	6107.	578.0
10	6122.	6137.	6287.	6347.	6362.	
15	6074.	6167.	6302.	6272.	6257.	1764.1
20	5733.	5913.	5913.	5928.	5958.	
25	5478.	5688.	5658.	5643.	5658.	2610.2
30	5074.	5269.	5254.	5239.	5269.	
35	4775.	4940.	4940.	5089.	5149.	3130.1
40	4266.	4401.	4475.	4655.	4670.	
45	3846.	4012.	4207.	4176.	4101.	3169.2
50	3413.	3487.	3742.	3413.	3308.	
55	2919.	2979.	3053.	2664.	2634.	2573.1
60	2365.	2530.	2230.	2170.	2230.	
65	1825.	2006.	1676.	1961.	2035.	1879.3
70	1362.	1392.	1496.	1706.	1766.	
75	883.	868.	1198.	1377.	1421.	1215.1
80	433.	584.	838.	883.	868.	
85	119.	284.	284.	284.	284.	287.3
90	14.	14.	14.	14.	14.	



These tests were performed according to standard IESNA procedures. A specific ballast and lamp combination was used. Other lamp and ballast combinations may yield different results. This test was conducted in a controlled laboratory environment where the ambient temperature was held at 25°C.

Field performance may differ in regards to change in luminous output as a result of differences in ambient temperature and mounting method.

The above chart is a temperature profile of T8 lamps. It graphs light output versus ambient temperature. It may be helpful in determining the feasibility of using a T8 lighting system.

Lumen Summary

Zone	Lumens	%Lamp	%Fixture	Zone	Lumens	%Lamp	%Fixture
0- 30	4952.	28.0	28.8	90-120	0.	0.	0.
0- 40	8082.	45.7	47.0	90-130	0.	0.	0.
0- 60	13825.	78.1	80.3	90-150	0.	0.	0.
0- 90	17206.	97.2	100.0	90-180	0.	0.	0.
Total Luminaire =				0-180	17206.	97.2	100.0

IES Spacing Criteria: End = 1.3 Diagonal = 1.3 Cross = 1.2

Ordering Guide

TS	W	6	32	EB	3	1
Series	Body Width	Optics	Wattage	Ballast	Configurations	Voltage
TS	W=wide	6=6 light	32=32w T8	EB=electronic ballast (1.2 ballast factor)	3=(2) 3 light T8 ballast 5=(3) 2 light T8 ballast	1=120 volt 4 = 277 volt



Accessories

TSNGUARD = guard for narrow unit

TSWGUARD = guard for wide unit

TSCHAIN = chain and hook (2 per)

TSMTG = MTG plate complete with 24" chains and hooks

MD360 = 360° field view 120-277 volt motion sensor

TSNGUARD



TSCHAIN



MD360



Options

3C = 3 foot so cord

3CPLH-voltage = 3 foot cord and NEMA plug attached to access plate (no hook)

735 = lamped with 735k lamps

741 = lamped with 741k lamps

841 = lamped with 841k lamps

835 = lamped with 741k lamps



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