

# TRAYFIT 2x2

Recessed - Compatible with Dynamax™ T-Bar.

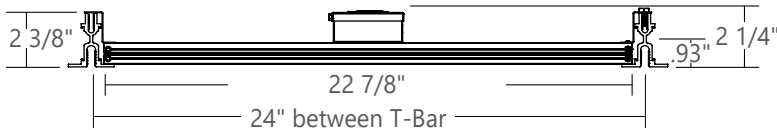


**Project** \_\_\_\_\_

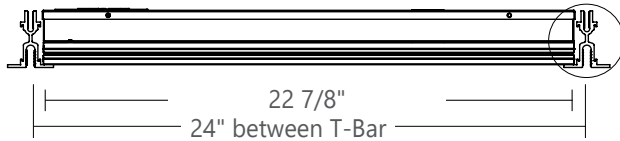
**Type** \_\_\_\_\_

**Notes** \_\_\_\_\_

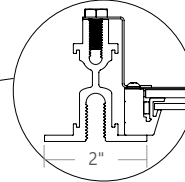
SIDE VIEW A



SIDE VIEW B



DETAIL VIEW



## PERFORMANCE AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
2000 lm	17.4 W	115 lm/W
3000 lm	26.1 W	115 lm/W
5000 lm	43.5 W	115 lm/W

\* Based on a 2'x2' luminaire using one driver  
Please consult factory for custom lumen output and wattage.



## Ordering Guide

TRAYFIT	22	TOTAL NOM. LUMENS		CRI	COLOR TEMP.	SO
PRODUCT ID	SIZE					SHIELDING
<b>TRAYFIT</b> TrayFit - DynaMax™ ceiling compatible	<b>22</b> 2'X2'	<b>2000</b>	2000 lm - Min 5000 lm - Max	<b>80</b> 80 CRI <b>90</b> 90 CRI	<b>30</b> 3000 K <b>35</b> 3500 K <b>40</b> 4000 K	<b>SO</b> spotless lens
Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.						

W	VOLTAGE	DRIVER	CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPTIONAL)
<b>W</b> white	<b>120</b> 120 V <b>277</b> 277 V <b>347</b> 347 V <b>UNV</b> universal <b>DC</b> low voltage*	<b>DP</b> dimming (0-10V) 1% <b>LT(#)</b> lutron* <b>BI</b> bi-level dimming <b>O(#)</b> other** <b>POE(#)</b> POE drivers*	<b>1</b> 1 circuit <b>+E(#)</b> emergency section* <b>+GTD(#)</b> generator transfer device*	<b>TBA</b> t-bar Armstrong Dynamax	<b>B(#)</b> battery pack
* Only available with POE drivers.		*See page 2 to specify system **Please consult factory; see page 2	* Specify quantity	Please consult factory	

OTHER (OPTIONAL)	CUSTOM (OPTIONAL)
<b>F</b> fuse* <b>FW(#)</b> flex whip (6' std) <b>CP</b> chicago plenum	<b>C</b> custom
* Requires 120V or 277V	Please specify

### ELECTRICAL

<b>Lutron driver*</b>	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
<b>Other drivers**</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
<b>Power over Ethernet POE drivers*</b>	MOLEX IGOR O - Other (Consult factory)
<small>UL2108 certified for integral or remote driver</small>	
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV, DC.

\*Choose driver from available options.

**i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

### SPECIFICATIONS

#### CONSTRUCTION

<b>Housing</b>	Die formed cold rolled sheet steel (22 gauge).
<b>Door frame</b>	Extruded aluminum.
<b>Light Guide</b>	0.157" PMMA.
<b>Lens</b>	PMMA satin blend.
<b>Reflectors</b>	High reflectance post painted white.
<b>Luminaire support</b>	Hold-Down clips


### WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

### LED SYSTEM

<b>CRI</b>	Minimum 80 or 90 color rendering index.
<b>CCT Single Color</b>	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat sink to maximize life.
<b>Environment</b>	Dry and damp rated in operating ambient temperatures of 0-40°C (32-104F).

### APPROVALS

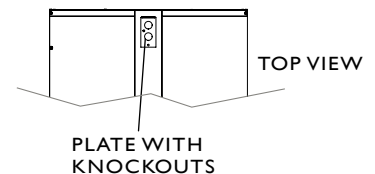
Certified to UL and CSA standards   
Chicago Plenum Certified (CCEA)  
Meets NYC requirements  
Suitable for damp locations.  
IC Rated (Insulated ceiling)

### WHITE FINISH

Aluminum paint and powder coated

### STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided on the top of the luminaire.  
(BX CABLE BY OTHER)

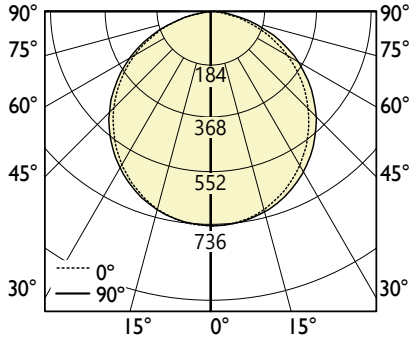


### WEIGHT

**2x2 panel** 13 lbs / 5.9 kg

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE



**Total Lumens: 2000 lm**  
**Input Watts: 17.4 W**  
**Efficacy: 115 lm/W**  
 IES FILE: TRAYFIT-22-2000-80-35-SO.IES  
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	732	732	732	732	732
5	726	726	727	728	729
15	699	699	701	704	705
25	644	644	649	652	653
35	563	564	568	573	575
45	462	462	466	472	474
55	349	347	351	356	358
65	231	229	230	233	236
75	117	114	114	115	117
85	26	24	23	23	24
90					

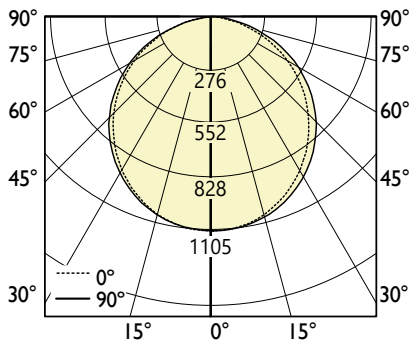
ZONAL LUMENS

Zone	Lumens
0	
0-10	69
10-20	199
20-30	300
30-40	358
40-50	364
50-60	319
60-70	233
70-80	126
80-90	31
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2159	2178	2217
55	2009	2021	2064
65	1806	1799	1842
75	1490	1451	1490
85	993	878	892

PHOTOMETRIC CURVE



**Total Lumens: 3000 lm**  
**Input Watts: 26.1 W**  
**Efficacy: 115 lm/W**  
 IES FILE: TRAYFIT-22-3000-80-35-SO.IES  
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1099	1099	1099	1099	1099
5	1089	1089	1090	1093	1093
15	1048	1049	1052	1055	1057
25	966	967	973	978	980
35	844	845	853	860	863
45	693	693	699	708	712
55	523	521	526	533	537
65	347	343	345	350	353
75	175	170	171	172	175
85	39	36	35	34	35
90					

ZONAL LUMENS

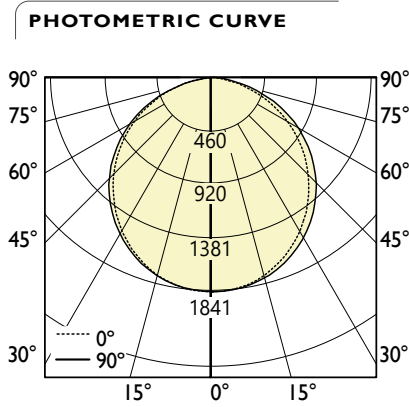
Zone	Lumens
0	
0-10	104
10-20	298
20-30	451
30-40	537
40-50	546
50-60	478
60-70	350
70-80	189
80-90	47
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3239	3267	3326
55	3014	3031	3096
65	2710	2698	2763
75	2236	2177	2235
85	1490	1317	1338

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

● PHOTOMETRIC DATA



CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1831	1831	1831	1831	1831
5	1815	1815	1817	1821	1822
15	1747	1748	1754	1759	1762
25	1609	1611	1621	1630	1633
35	1407	1409	1421	1433	1438
45	1155	1155	1165	1180	1186
55	872	869	877	889	896
65	578	571	575	583	589
75	292	284	284	286	292
85	65	60	58	57	59
90	2	2	2	2	2

ZONAL LUMENS	
Zone	Lumens
0	
0-10	173
10-20	497
20-30	751
30-40	895
40-50	909
50-60	797
60-70	583
70-80	315
80-90	79
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	5397	5445	5543
55	5022	5052	5160
65	4516	4497	4605
75	3726	3628	3725
85	2483	2196	2231

**Total Lumens: 5000 lm**  
**Input Watts: 43.5 W**  
**Efficacy: 115 lm/W**  
 IES FILE: TRAYFIT-22-5000-80-35-SO.IES  
 TESTED ACCORDING TO IES LM-79-2008

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