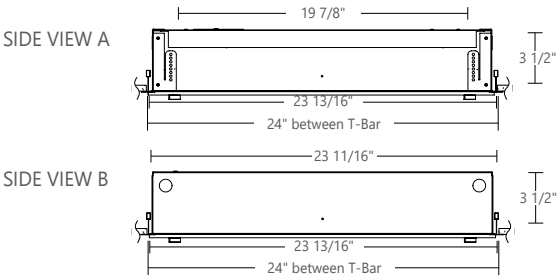


SkyeScape 2x2 | Recessed T-Bar & Drywall



Project

Type

Notes

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
1200 lm	11 W	90 lm/W
2400 lm	22 W	105 lm/W
3200 lm	32 W	102 lm/W
4500 lm	47 W	97 lm/W

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



Ordering Guide

SKSLED		22						GL		FL					
PRODUCT ID		SIZE		TOTAL NOM. LUMENS		CRI		COLOR TEMP. (choose one)		SHIELDING		SHIELDING POSITION			
SKSLED	Recessed LED	22	2'X2'	1400	1400 lm - Min	80	80 CRI	30	3000 K	TW2750	2700-5000 K - Tunable White	GL	GL optics	FL	flush
				4000	4000 lm - Max at 90 CRI	90	90 CRI*	35	3500 K	TW2765	2700-6500 K - Tunable White				
				4600	4600 lm - Max at 80 CRI			40	4000 K	BTW3527	3500-2700 K - Tunable BIOS				
								B30	3000 K - BIOS*	BTW4027	4000-2700 K - Tunable BIOS				
								B35	3500 K - BIOS*						
								B40	4000 K - BIOS*						
				Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS		* Not available with BIOS.		Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology							

SkyeScape 2x2 | Recessed T-Bar & Drywall

● ELECTRICAL

Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

*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.

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	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.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).

● SPECIFICATIONS

CONSTRUCTION

Housing	Die formed cold rolled sheet steel (20 gauge).
Optics	Acrylic crystal glass optics.
Reflectors	High reflectance post painted steel.
Drywall Flange Kit	Extruded aluminum (0.060" nominal).
Luminaire support	Integrated Hold-Down clip

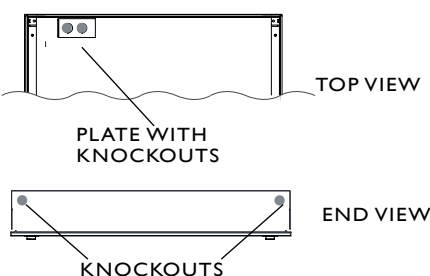
● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● CEILING SYSTEM

● STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided both on the top and on the ends of the luminaire. This allows for an end mount power feed solution if it is required. (BX CABLE BY OTHER)



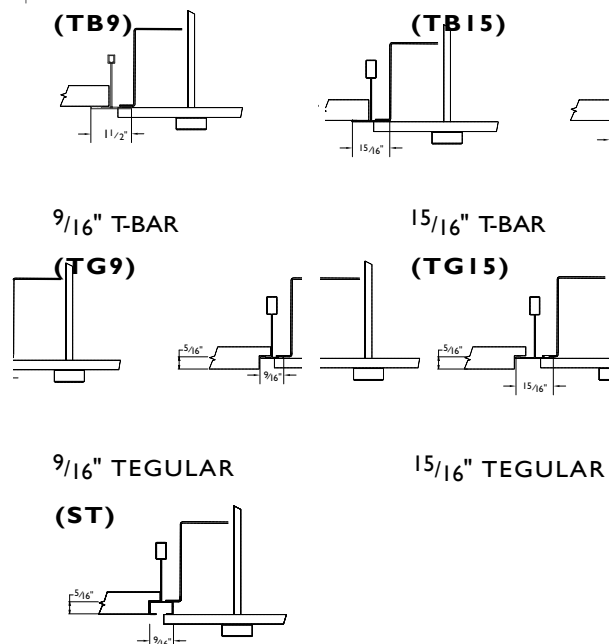
● APPROVALS

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

● WEIGHT

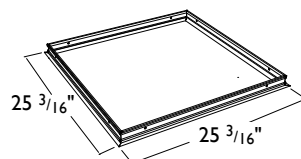
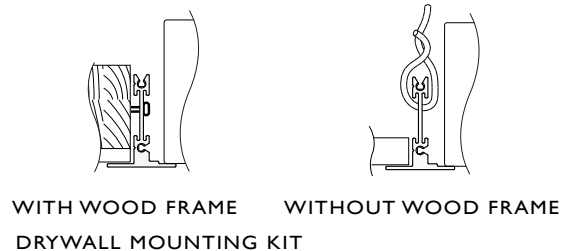
Drywall with Kit 15.2 lbs / 6.9 kg

T-BAR STYLE MOUNTING



SCREW SLOT

● DRYWALL WITH FLANGE KIT (DFK)



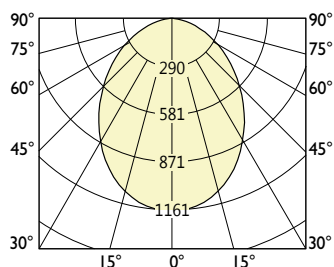
FIXTURE DIMENSIONS
23 13/16"/23 13/16"

CUT HOLE DIMENSIONS
24 7/16"/24 7/16"

i Installation sheets for all mounting options are available at: www.axislighting.com

● PHOTOMETRIC DATA

PHOTOMETRIC CURVE



Luminaire Lumens: 2339 lm
Input Watts: 22 W
Efficacy: 105 lm/W
 IES FILE: SKSLED-22-B4-2400-80-35-GL.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1161	1161	1161	1161	1161
5	1152	1152	1152	1152	1152
15	1074	1073	1072	1071	1071
25	914	911	910	907	907
35	707	704	703	699	698
45	517	515	513	511	509
55	361	360	358	356	355
65	225	224	223	222	221
75	105	105	104	103	103
85	16	16	16	16	15
90	1	1	1	0	0

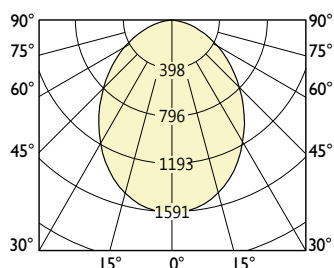
ZONAL LUMENS

Zone	Lumens
0	
0-10	109
10-20	301
20-30	417
30-40	439
40-50	397
50-60	321
60-70	221
70-80	111
80-90	22
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	1986	1962	1955
55	1702	1678	1674
65	1429	1404	1404
75	1072	1046	1052
85	451	433	423

PHOTOMETRIC CURVE



Luminaire Lumens: 3212 lm
Input Watts: 32 W
Efficacy: 102 lm/W
 IES FILE: SKSLED-22-B4-3200-80-35-GL.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1591	1591	1591	1591	1591
5	1579	1579	1579	1579	1579
15	1472	1470	1469	1468	1468
25	1253	1248	1247	1243	1243
35	969	965	963	958	957
45	709	706	703	700	698
55	495	493	491	488	487
65	308	307	306	304	303
75	144	144	143	141	141
85	22	22	22	22	21
90	1	1	1	0	0

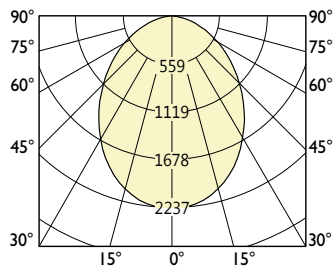
ZONAL LUMENS

Zone	Lumens
0	
0-10	149
10-20	412
20-30	572
30-40	603
40-50	545
50-60	441
60-70	304
70-80	153
80-90	32
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2721	2689	2679
55	2332	2299	2294
65	1959	1925	1924
75	1470	1434	1442
85	619	593	580

PHOTOMETRIC CURVE



Luminaire Lumens: 4516 lm
Input Watts: 47 W
Efficacy: 97 lm/W
 IES FILE: SKSLED-22-B4-4500-80-35-GL.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2237	2237	2237	2237	2237
5	2220	2220	2220	2220	2220
15	2070	2068	2066	2064	2064
25	1761	1756	1754	1748	1748
35	1363	1357	1355	1347	1345
45	996	993	989	985	981
55	696	694	690	686	684
65	434	432	430	428	426
75	202	202	200	199	199
85	31	31	31	31	29
90	2	2	2	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	210
10-20	580
20-30	805
30-40	848
40-50	767
50-60	620
60-70	427
70-80	215
80-90	45
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3826	3781	3767
55	3280	3234	3225
65	2755	2707	2706
75	2067	2017	2027
85	870	834	816

i All IES files are available for download at: www.axislighting.com