

SkyePlane Regressed 1x2

Recessed T-Bar & Drywall



Project _____

Type _____

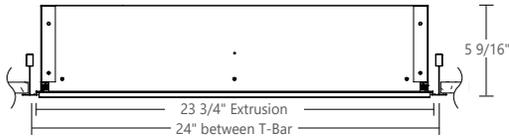
Notes _____

PERFORMANCE AT 3500K

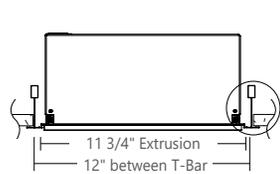
NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
1750 lm	18.6 W*	94 lm/W

* Based on a 1x1 foot luminaire using one driver

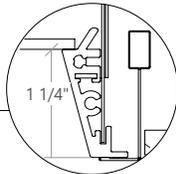
SIDE VIEW A



SIDE VIEW B



DETAIL VIEW



Ordering Guide

SKPA	12			SO	RE	
PRODUCT ID	SIZE	TOTAL NOM. LUMENS	CRI	COLOR TEMP. (choose one)	SHIELDING	SHIELDING POSITION
SKPA SkyePlane Regressed	12 1'X2'	900 900 lm - Min 1800 1800 lm - Max at 90 CRI 2000 2000 lm - Max at 80 CRI	80 80 CRI 90 90 CRI*	30 3000 K TW2750 2700-5000 K - Tunable White 35 3500 K TW2765 2700-6500 K - Tunable White 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*	SO spotless lens	RE regressed
		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.		

W	DOOR FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPTIONAL)
W white	120 120 V 277 277 V 347 347 V UNV universal DC low voltage*	DP dimming (0-10V) 1% LT Lutron BI bi-level dimming O(#) other** DPB(STC) dimming (0-10V) 1% with BIOS* DPB(DYN) Bio-dimming™ 100%-81% with BIOS* TW(#) tunable white drivers* POE(#) POE drivers*	1 1 circuit +E(#) emergency section* +NL(#) night light section* +GTD(#) generator transfer device*	TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 regular 9/16" TG15 regular 15/16" DF drywall flange	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)	IC CONTROL REMOTE (OPTIONAL)	CUSTOM (OPTIONAL)
FW flex whip (6' std)* CP chicago plenum	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor EN(#) enlightened integral* ENR(#) enlightened remote* WC(#) wireless control dimming	C custom
* Other lengths available; please consult factory.	*Please consult factory See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum	Please specify

SPECIFY DRIVER NAME (if needed)

SPECIFY BATTERY NAME (if needed)

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 (32-104F).

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● SPECIFICATIONS

CONSTRUCTION

Housing	Die formed cold rolled sheet steel (20 gauge).
Door frame	Extruded aluminum.
Lens	0.125" PMMA satin blend.
Reflectors	High reflectance post painted.
Drywall Flange Kit	Extruded aluminum (0.060" nominal).
Luminaire support	Integrated Hold-Down clip

● WHITE FINISH

Paint powder coated

● 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.

● APPROVALS

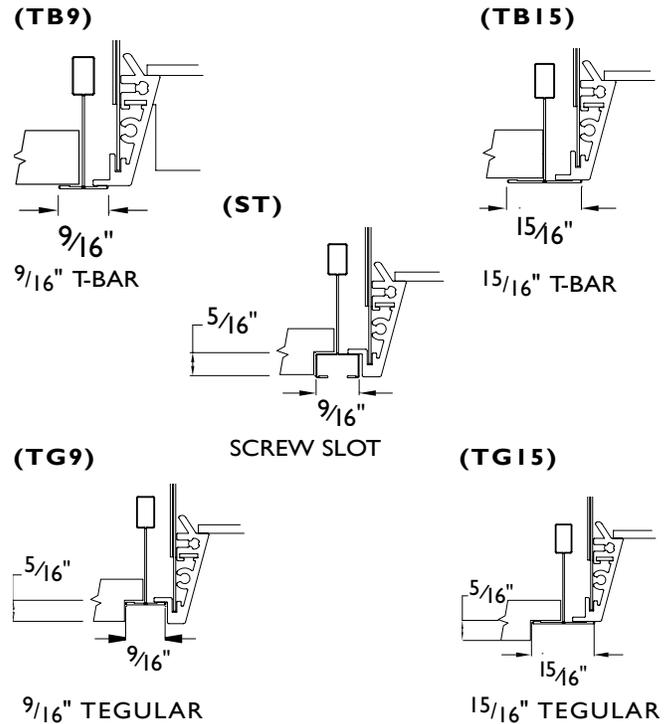
Certified to UL and CSA standards 
 Chicago Plenum Certified (CCEA)
 Meets NYC requirements
 Suitable for damp locations.
 IC Rated (Insulated ceiling)

● WEIGHT

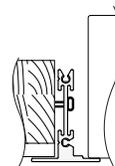
Drywall with Kit 11lbs / 5 kg

● CEILING SYSTEM

T-BAR STYLE MOUNTING

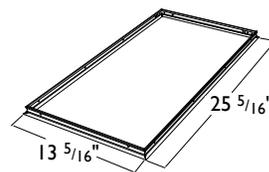


DRYWALL WITH FLANGE KIT (DF)



WITH WOOD FRAME

DRYWALL MOUNTING KIT



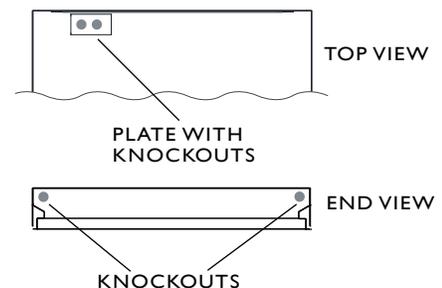
FIXTURE DIMENSIONS
 11 3/4" x 23 3/4"

CUT HOLE DIMENSIONS
 12 9/16" x 24 7/16"

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

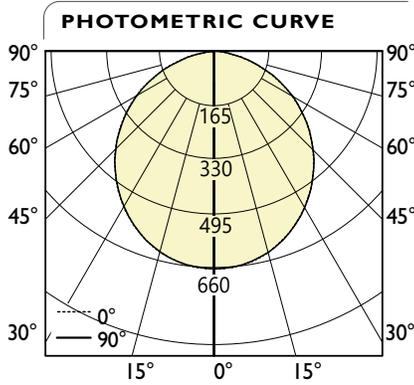
● STANDARD AND END MOUNT POWER FEED

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)



● PHOTOMETRIC DATA

SkyePlane 1x2



Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	660	660	660	660	660
5	657	657	657	657	657
15	629	629	631	632	632
25	571	573	577	581	582
35	495	499	502	511	512
45	405	408	412	422	427
55	304	306	312	322	330
65	196	197	204	213	222
75	89	90	96	104	111
85	14	14	15	18	21
90					

Zone	Lumens
	0
0-10	178
10-20	266
20-30	315
30-40	319
40-50	280
50-60	203
60-70	104
70-80	22
80-90	22
90	

Vertical Angle	Horizontal Angles		
	0	45	90
45	35909	36548	37826
55	33257	34123	36030
65	29015	30201	32917
75	21646	23287	26953
85	9798	10835	15033

Total Lumens: 1749 lm
Input Watts: 18.6 W
Efficacy: 94 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.

IES FILE: SKPL-12-1750-80-35-SO-RE-W-120-D

TESTED ACCORDING TO IES LM-79-2008

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