



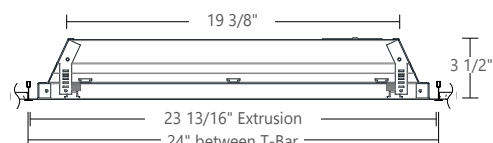
Project _____
 Type _____
 Notes _____

PERFORMANCE PER LINEAR FOOT AT 4000K

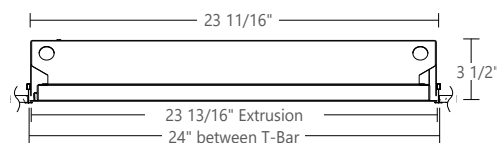
NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
2400 lm	22 W	103 lm/W
3200 lm	33 W	97 lm/W
4500 lm	48 W	94 lm/W

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

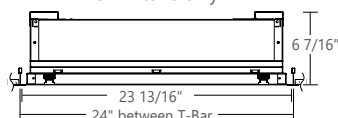
SIDE VIEW A



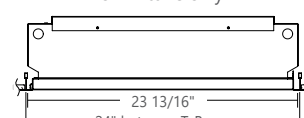
SIDE VIEW B



SIDE VIEW A for Axitune only



SIDE VIEW B for Axitune only



Ordering Guide

SKVLED	22								2xVL	
PRODUCT ID	SIZE	TOTAL NOM. LUMENS	CRI	COLOR TEMP. (choose one)	SHIELDING	SHIELDING POSITION				
SKVLED Recessed LED	22 2'X2'	1400 1400 lm - Min 3800 3800 lm - Max at 90 CRI 4200 4200 lm - Max at 80 CRI	80 80 CRI 90 90 CRI*	30 3000 K 35 3500 K 40 4000 K B30 3000 K - BIOS* B35 3500 K - BIOS* B40 4000 K - BIOS*	TW2750 2700-5000 K - Tunable White TW2765 2700-6500 K - Tunable White BTW3527 3500-2700 K - Tunable BIOS BTW4027 4000-2700 K - Tunable BIOS	2xVL 2xVL optic	FL flush 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.						

DOOR FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPT.)
AP aluminum paint 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.	*Specify system **Please consult factory; see page 2	*Specify quantity		Please consult factory..

OTHER (OPTIONAL)	IC CONTROLS (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 (32-104°F).

● SPECIFICATIONS

CONSTRUCTION

Housing	Die formed cold rolled sheet steel (20 gauge).
Door frame	Extruded aluminum.
Lens	Combined CDP micro-prism patterns.
Side lens	0.08" PMMA satin blend.
Reflectors	High reflectance post painted.
Drywall Flange Kit	Extruded aluminum (0.060" nominal).
Luminaire support	Integrated Hold-Down clip

● FINISH

Aluminum paint and 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)

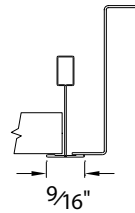
● WEIGHT

Drywall with Kit 15.2 lbs / 6.9 kg

● CEILING SYSTEM

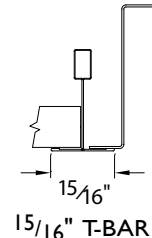
T-BAR STYLE MOUNTING

(TB9)



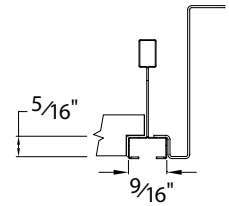
9/16" T-BAR

(TB15)



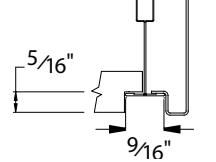
15/16" T-BAR

(ST)



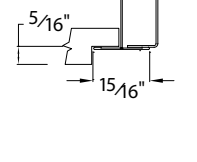
SCREW SLOT

(TG9)



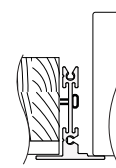
9/16" TEGULAR

(TG15)

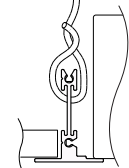


15/16" T-BAR

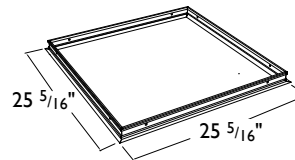
● DRYWALL WITH FLANGE KIT (DF)



WITH WOOD FRAME
DRYWALL MOUNTING KIT



WITHOUT WOOD FRAME



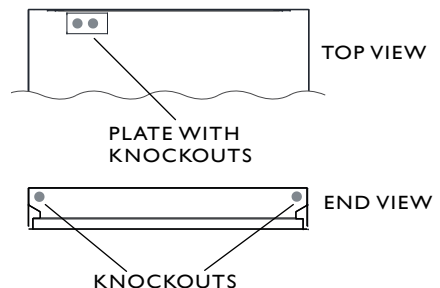
FIXTURE DIMENSIONS
23 13/16" / 23 13/16"

CUT HOLE DIMENSIONS
24 9/16" / 24 9/16"

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

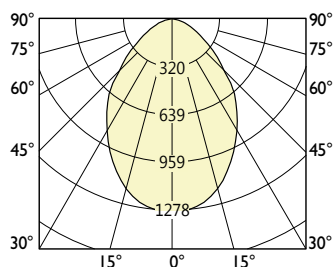
● STANDARD AND END MOUNT POWER FEED

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

PHOTOMETRIC CURVE



Luminaire Lumens: 2290 lm

Input Watts: 22 W

Efficacy: 103 lm/W

IES FILE: SKVLED-22-B4-2400-80-35-2xVL-AP-I20-D-I.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1278	1278	1278	1278	1278
5	1268	1267	1268	1269	1267
15	1171	1169	1167	1168	1165
25	982	979	976	973	970
35	763	762	758	753	751
45	514	509	508	506	497
55	291	302	302	293	288
65	148	158	152	150	157
75	77	77	76	77	76
85	19	16	18	20	15
90	0	0	0	0	0

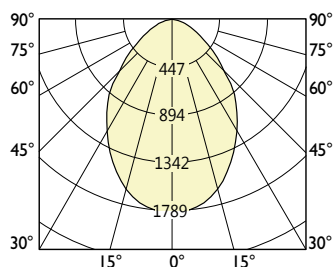
ZONAL LUMENS

Zone	Lumens
0	
0-10	120
10-20	328
20-30	448
30-40	474
40-50	397
50-60	267
60-70	154
70-80	81
80-90	21
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2260	2233	2185
55	1577	1637	1561
65	1089	1118	1155
75	925	913	913
85	678	642	535

PHOTOMETRIC CURVE



Luminaire Lumens: 3212 lm

Input Watts: 33 W

Efficacy: 97 lm/W

IES FILE: SKVLED-22-B4-3200-80-35-2xVL-AP-I20-D-I.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1789	1789	1789	1789	1789
5	1775	1774	1775	1776	1774
15	1639	1636	1634	1635	1631
25	1375	1370	1366	1362	1358
35	1068	1067	1061	1054	1051
45	720	713	711	708	696
55	407	423	423	410	403
65	207	221	213	210	220
75	108	108	106	108	106
85	27	22	25	28	21
90	0	0	0	0	0

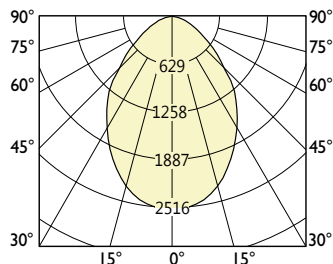
ZONAL LUMENS

Zone	Lumens
0	
0-10	168
10-20	459
20-30	628
30-40	664
40-50	556
50-60	374
60-70	217
70-80	114
80-90	32
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3163	3126	3058
55	2208	2291	2185
65	1524	1565	1616
75	1295	1278	1278
85	949	899	749

PHOTOMETRIC CURVE



Luminaire Lumens: 4517 lm

Input Watts: 48 W

Efficacy: 94 lm/W

IES FILE: SKVLED-22-B4-4500-80-35-2xVL-AP-I20-D-I.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2516	2516	2516	2516	2516
5	2496	2494	2496	2498	2494
15	2305	2301	2297	2299	2293
25	1933	1927	1921	1915	1909
35	1502	1500	1492	1482	1478
45	1012	1002	1000	996	978
55	573	594	594	577	567
65	291	311	299	295	309
75	152	152	150	152	150
85	37	31	35	39	30
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	236
10-20	645
20-30	883
30-40	934
40-50	781
50-60	527
60-70	306
70-80	161
80-90	44
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4448	4396	4301
55	3104	3222	3072
65	2143	2201	2273
75	1820	1797	1797
85	1334	1264	1053

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