

DAY 2x2 LED

Surface Mounted



Project _____

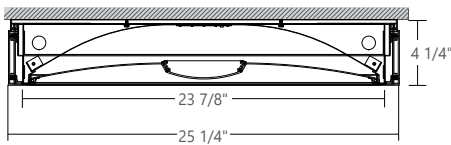
Type _____

Notes _____

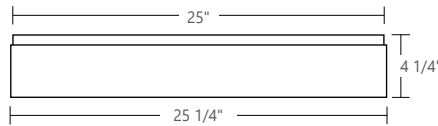
PERFORMANCE AT 4000K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
2500 lm	21.40 W	117 lm/W
3000 lm	26.23 W	115 lm/W
4000 lm	37.41 W	107 lm/W
4400 lm	40.18 W	110 lm/W

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



SECTION VIEW



SIDE VIEW



Ordering Guide

PRODUCT ID	SIZE	NOMINAL LUMENS	CRI	COLOR TEMP. (choose one)	SHIELDING	FINISH
DAYFLED DAY flat LED	22 2'X2'	1300 1300 lm - Min	80 80 CRI	27 2700 K	SO spotless lens	W white
DAYCLED DAY curve LED*		4300 4300 lm - Max at 90 CRI	90 90 CRI*	30 3000 K		BLK black
		4900 4900 lm - Max at 80 CRI		35 3500 K		C custom
				40 4000 K		
				B30 3000 K - BIOS*		
				B35 3500 K - BIOS*		
				B40 4000 K - BIOS*		
*DLC qualified		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 of color technology. *Consult BIOS guide for more information on BIOS technology		

VOLTAGE	DRIVER	CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPTIONAL)
120 120 V	DP dimming (0-10V) 1%	1 1 circuit	SM surface mount	B(#) battery pack
277 277 V	LT Lutron	+E(#) emergency circuit*		
347 347 V	BI bi-level dimming	+NL(#) night light circuit *		
UNV universal	O(#) other**	+GTD(#) generator transfer device *		
DC low voltage*	DPB(STC) dimming (0-10V) 1% with BIOS*			
	DPB(DYN) Bio-dimming™ 100%-81% with BIOS*			
	TW(#) tunable white drivers*			
	POE(#) POE drivers*			
* Only available with POE drivers.		* See page 2 to specify system ** Please consult factory, see page 2		Not available with 347V Please consult factory

OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
FW flex whip (6' std)	DS(#) daylight sensor	C custom
	OS(#) occupancy sensor	
	DOS(#) daylight & occupancy sensor	
	EN(#) Enlighted integral *	
	ENR(#) Enlighted remote *	
	WC(#) wireless control dimming	
Other lengths available; please consult factory. * Please consult factory Specify quantity. Requires 1.5" blank. 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* UL2108 certified for integral or remote driver	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

Housing	Die formed cold rolled sheet steel (20 gauge)
Central Lens Housing	Extruded aluminum (0.060" nominal)
Lens	Spotless acrylic lens
Side lens	0.08" PMMA satin blend
Reflectors	Die formed cold rolled sheet steel (22 gauge)
Interior Brackets	Die formed cold rolled sheet steel (20 gauge)
Drywall Flange Kit	Extruded aluminum (0.070" nominal)

FINISH

Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior. Custom finishes are also available.

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

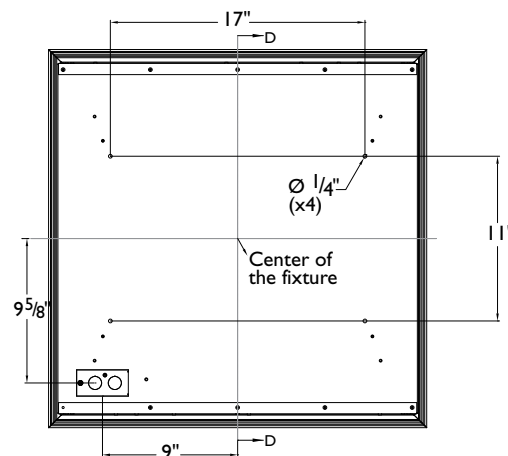
Certified to UL and CSA standards 
Meets NYC requirements
Suitable for damp locations.

WEIGHT

Surface Mount 24 lbs / 10.9 kg

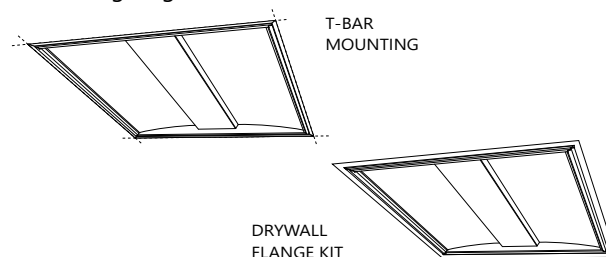
CEILING SYSTEM

MOUNTING HOLES POSITION



RECESSED OPTION

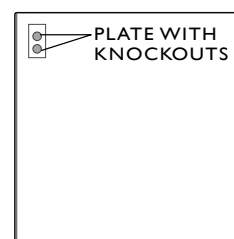
For more details see recessed specification sheets available at: www.axislighting.com



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

STANDARD POWER FEED

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



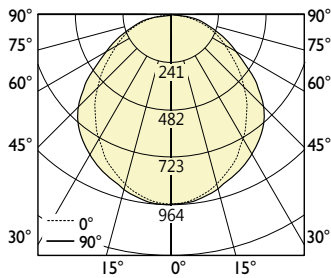
TOP VIEW

● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 2500 lm
Input Watts: 21.40 W
Efficacy: 117 lm/W
 IES FILE: DAYLED-22-2500-80-40-SO.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	963	963	963	963	963	1
10	937	939	942	947	949	45
20	859	863	875	889	897	82
30	744	753	784	819	835	108
40	609	628	675	718	738	119
50	466	489	534	570	588	111
60	324	340	368	387	399	86
70	188	194	203	208	213	52
80	72	71	69	65	62	18
90	0	0	0	0	0	0

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2512	2840	3129
55	2267	2603	2850
65	1980	2208	2358
75	1605	1675	1698
85	1002	829	656

COEFFICIENTS OF UTILIZATION (%)

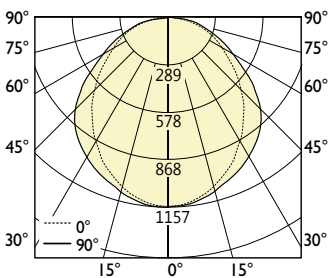
Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	10
0	119	119	119	119	117	117	117	117	111	111	111	111
1	110	105	101	96	107	103	99	94	99	96	92	92
2	100	92	86	78	98	90	84	77	87	82	75	75
3	92	81	73	64	89	80	72	64	77	71	63	63
4	84	72	64	54	82	71	63	54	68	62	54	54
5	77	65	56	47	75	64	55	47	61	54	46	46
6	71	58	50	41	70	57	49	41	56	48	40	40
7	66	53	44	36	65	52	44	36	51	43	36	36
8	62	48	40	32	60	48	40	32	46	39	32	32
9	58	44	36	29	56	44	36	29	43	36	29	29
10	54	41	33	26	53	41	33	26	40	33	26	26

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 3000 lm
Input Watts: 26.23 W
Efficacy: 115 lm/W
 IES FILE: DAYLED-22-3000-80-40-SO.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1156	1156	1156	1156	1156	2
10	1124	1126	1131	1136	1138	54
20	1031	1035	1050	1067	1076	99
30	893	904	941	983	1001	129
40	731	753	810	861	885	142
50	559	587	640	684	706	134
60	389	408	441	464	478	104
70	225	233	244	250	256	62
80	86	85	83	78	74	22
90	0	0	0	0	0	0

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3014	3408	3755
55	2721	3124	3420
65	2376	2650	2829
75	1926	2010	2038
85	1202	995	788

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	10
0	119	119	119	119	117	117	117	117	111	111	111	111
1	110	105	101	96	107	103	99	94	99	96	92	92
2	100	92	86	78	98	90	84	77	87	82	75	75
3	92	81	73	64	89	80	72	64	77	71	63	63
4	84	72	64	54	82	71	63	54	68	62	54	54
5	77	65	56	47	75	64	55	47	61	54	46	46
6	71	58	50	41	70	57	49	41	56	48	40	40
7	66	53	44	36	65	52	44	36	51	43	36	36
8	62	48	40	32	60	48	40	32	46	39	32	32
9	58	44	36	29	56	44	36	29	43	36	29	29
10	54	41	33	26	53	41	33	26	40	33	26	26

Based on floor reflectance of 20

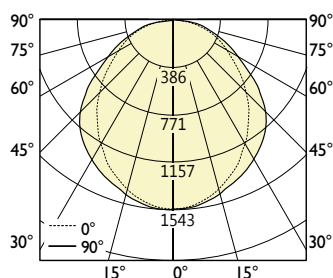
i All IES files are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 4000 lm
Input Watts: 37.41 W
Efficacy: 107 lm/W
 IES FILE: DAYLED-22-4000-80-40-SO.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles					Zonal Lumens
Vertical Angle	0	22.5	45	67.5	90	
0	1541	1541	1541	1541	1541	2
10	1499	1502	1507	1515	1518	72
20	1375	1381	1399	1423	1435	131
30	1191	1205	1255	1310	1335	173
40	975	1004	1080	1148	1181	190
50	746	782	854	912	941	178
60	518	544	588	619	638	138
70	301	311	325	333	341	83
80	115	114	111	104	99	29
90	0	0	0	0	0	0

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	4019	4544	5007
55	3628	4165	4560
65	3169	3533	3773
75	2568	2680	2717
85	1603	1326	1050

COEFFICIENTS OF UTILIZATION (%)

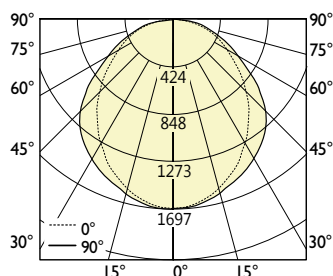
Ceiling	80				70				50			
Wall	70	50	30	10	70	50	30	10	50	30	10	10
0	119	119	119	119	117	117	117	117	111	111	111	111
1	110	105	101	96	107	103	99	94	99	96	92	92
2	100	92	86	78	98	90	84	77	87	82	75	75
3	92	81	73	64	89	80	72	64	77	71	63	63
4	84	72	64	54	82	71	63	54	68	62	54	54
5	77	65	56	47	75	64	55	47	61	54	46	46
6	71	58	50	41	70	57	49	41	56	48	40	40
7	66	53	44	36	65	52	44	36	51	43	36	36
8	62	48	40	32	60	48	40	32	46	39	32	32
9	58	44	36	29	56	44	36	29	43	36	29	29
10	54	41	33	26	53	41	33	26	40	33	26	26

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 4400 lm
Input Watts: 40.18 W
Efficacy: 110 lm/W
 IES FILE: DAYLED-22-4400-80-40-SO.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles					Zonal Lumens
Vertical Angle	0	22.5	45	67.5	90	
0	1695	1695	1695	1695	1695	3
10	1649	1652	1658	1666	1669	79
20	1512	1519	1539	1565	1578	145
30	1310	1326	1381	1442	1469	190
40	1072	1104	1188	1263	1299	209
50	820	860	939	1003	1035	196
60	570	599	647	681	702	152
70	331	342	358	366	376	91
80	127	125	122	114	109	32
90	0	0	0	0	0	0

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	4421	4998	5508
55	3991	4582	5016
65	3485	3887	4150
75	2825	2948	2989
85	1763	1459	1155

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50			
Wall	70	50	30	10	70	50	30	10	50	30	10	10
0	119	119	119	119	117	117	117	117	111	111	111	111
1	110	105	101	96	107	103	99	94	99	96	92	92
2	100	92	86	78	98	90	84	77	87	82	75	75
3	92	81	73	64	89	80	72	64	77	71	63	63
4	84	72	64	54	82	71	63	54	68	62	54	54
5	77	65	56	47	75	64	55	47	61	54	46	46
6	71	58	50	41	70	57	49	41	56	48	40	40
7	66	53	44	36	65	52	44	36	51	43	36	36
8	62	48	40	32	60	48	40	32	46	39	32	32
9	58	44	36	29	56	44	36	29	43	36	29	29
10	54	41	33	26	53	41	33	26	40	33	26	26

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