



Project \_\_\_\_\_

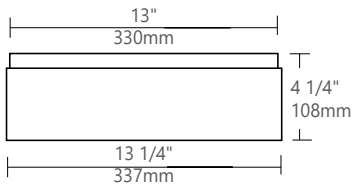
Type \_\_\_\_\_

Notes \_\_\_\_\_

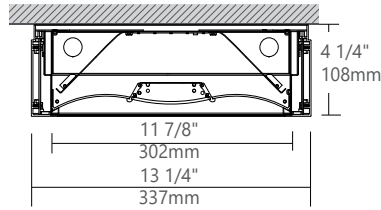
**PERFORMANCE AT 4000K**

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
900 lm	11.45 W	79 lm/W
1000 lm	12.88 W	78 lm/W
1200 lm	15.77 W	76 lm/W
1600 lm	21.73 W	74 lm/W

\* Based on a 1'x1' luminaire using one driver  
Please consult factory for custom lumen output and wattage.



SIDE VIEW



SECTION VIEW



**Ordering Guide**

WALED		SIZE	NOMINAL LUMENS		CRI		COLOR TEMP.		SHIELDING		FINISH	
PRODUCT ID	Wave LED		900	900 lm - Minimum	80	80 CRI	27	2700 K	VL	VL optics	W	white
		11 1'X1'	1600	1600 lm - Maximum	90	90 CRI	30	3000 K			BLK	black
							35	3500 K			C	custom
							40	4000 K				

Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.

VOLTAGE		DRIVER		CIRCUITS		MOUNTING/SUSPENSION		BATTERY (OPTIONAL)	
120	120 V	DP	dimming (0-10V) 1%	1	1 circuit	SM	surface mount	B#	Remote Battery Pack only
277	277 V	LT	Lutron <sup>(1)</sup>	+E(#)	emergency circuit <sup>(3)</sup>				
347	347 V	BI	bi-level dimming	+NL(#)	night light circuit <sup>(3)</sup>				
UNV	universal	O	other <sup>(2)</sup>	+GTD(#)	generator transfer device <sup>(3)</sup>				

(1) Specify system  
(2) Please consult factory  
(3) Specify quantity  
Requires 120V or 277V  
Please consult factory

OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
F fuse <sup>(4)</sup>	DS# daylight sensor	C custom
FW(#) flex whip (6' std)	OS# occupancy sensor	
	DOS# daylight & occupancy sensor	
	EN# Enlighted integral <sup>(5)</sup>	
	ENR# Enlighted remote <sup>(5)</sup>	
	WC# wireless control dimming	

(4) Requires 120V or 277V  
(5) Please consult factory  
Specify quantity. Requires 1.5" blank.  
See integrated controls guide for more details.  
Please specify

**SPECIFY DRIVER NAME (if needed)**

**SPECIFY BATTERY NAME (if needed)**

● SPECIFICATIONS

<b>Housing</b>	Die formed cold rolled sheet steel (20 gauge)
<b>Central Lens Housing</b>	Extruded aluminum (0.060" nominal)
<b>Center Lens</b>	PMMA Precision formed microconical structure 92 percent transmission, cuts off glare above 55°.
<b>Side lens</b>	0.08" PMMA satin blend
<b>Reflectors</b>	Die formed cold rolled sheet steel (22 gauge)
<b>Interior Brackets</b>	Die formed cold rolled sheet steel (20 gauge)
<b>Surface Mount Kit</b>	Extruded aluminum (0.070" nominal)

● ELECTRICAL

**Lutron driver\*** LDE1 - EcoSystem H-Series (1%)  
LDE5 - EcoSystem 5-Series (5%)  
LTE - Hi-Lume® A-series 2Wires Forward Phase (1%)  
\*Consult factory

**Other drivers** DALI - Digital Addressable Lighting Interface  
DMX - Digital Multiplex  
LV - line voltage - Advance Mark 10  
Xitanium SR - For wireless sensor

**Emergency** Integral emergency battery pack or emergency circuit optional.

**Input Voltage** 120V, 277V, 347V, UNV.

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


● 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

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.

● APPROVALS

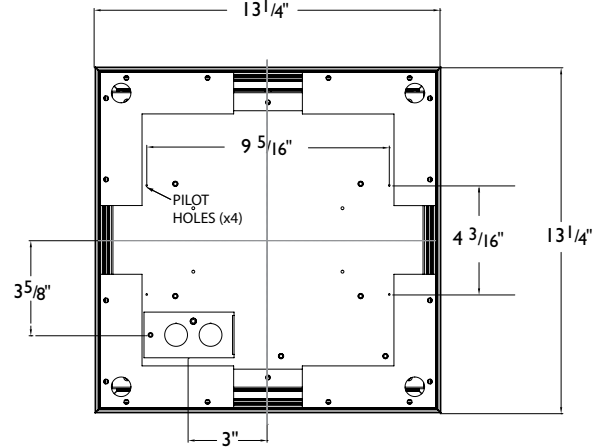
Certified to UL and CSA standards   
Meets NYC requirements  
Suitable for damp locations.

● WEIGHT

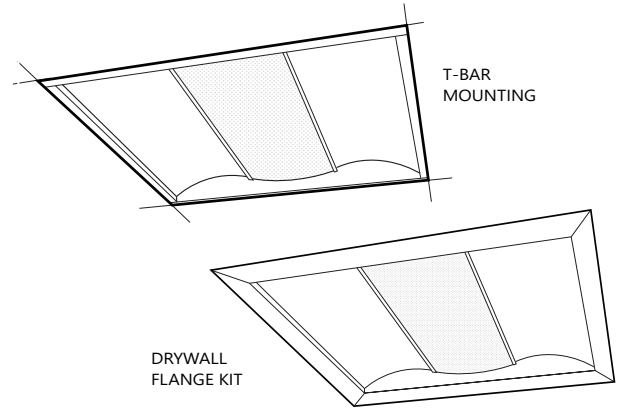
**Surface mount** 11 lbs / 5.0 kg

● CEILING SYSTEM

MOUNTING HOLES POSITION



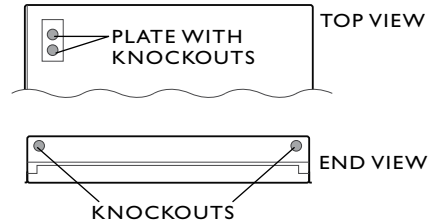
RECESSED OPTION



**i** Installation sheets for all mounting options are available at: [www.axislighting.com](http://www.axislighting.com)

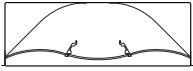
● STANDARD AND END MOUNT POWER FEED

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 OTHERS)

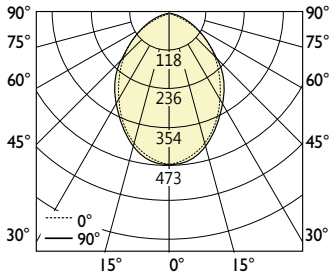


● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



**Luminaire Lumens: 900 lm**  
**Input Watts: 11.45 W**  
**Efficacy: 79 lm/W**  
 IES FILE: WALED-I I-900-80-40-VL.ies  
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	473	473	473	473	473	
10	455	455	454	453	455	22
20	391	391	392	393	393	37
30	313	316	321	326	329	44
40	245	250	258	261	262	45
50	149	156	158	161	166	33
60	93	98	98	98	99	23
70	54	57	54	50	50	14
80	22	21	19	20	20	5
90	0	0	0	0	0	

COEFFICIENTS OF UTILIZATION (%)

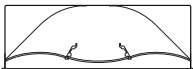
Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
Wall	70	50	30	10	70	50	30	10	50	30	10	
0	119	119	119	119	117	117	117	117	111	111	111	
1	111	107	103	98	108	104	101	96	100	97	94	
2	102	95	89	81	99	93	87	81	89	85	79	
3	94	85	77	69	92	83	76	69	80	74	68	
4	87	76	68	60	85	75	67	59	72	66	59	
5	81	69	61	52	79	68	60	52	66	59	52	
6	75	63	54	46	73	62	54	46	60	53	46	
7	70	57	49	41	68	57	49	41	55	48	41	
8	65	53	45	37	64	52	45	37	51	44	37	
9	61	49	41	34	60	48	41	34	47	40	34	
10	58	45	38	31	56	45	38	31	44	37	31	

Based on floor reflectance of 20

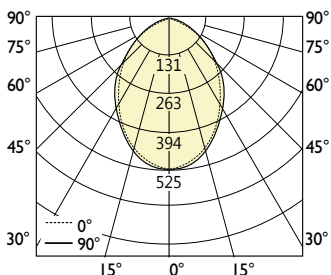
LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2277	2389	2433
55	1624	1775	1789
65	1382	1419	1419
75	1189	1067	1037
85	634	634	634

LED



PHOTOMETRIC CURVE



**Luminaire Lumens: 1000 lm**  
**Input Watts: 12.87 W**  
**Efficacy: 78 lm/W**  
 IES FILE: WALED-I I-1000-80-40-VL.ies  
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	525	525	525	525	525	
10	505	505	504	503	505	24
20	435	435	436	437	437	41
30	348	352	357	362	366	49
40	272	277	287	290	291	50
50	166	174	176	179	185	37
60	104	109	109	109	110	26
70	60	63	60	56	56	15
80	24	23	21	22	22	6
90	0	0	0	0	0	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
Wall	70	50	30	10	70	50	30	10	50	30	10	
0	119	119	119	119	117	117	117	117	111	111	111	
1	111	107	103	98	108	104	101	96	100	97	94	
2	102	95	89	81	99	93	87	81	89	85	79	
3	94	85	77	69	92	83	76	69	80	74	68	
4	87	76	68	60	85	75	67	59	72	66	59	
5	81	69	61	52	79	68	60	52	66	59	52	
6	75	63	54	46	73	62	54	46	60	53	46	
7	70	57	49	41	68	57	49	41	55	48	41	
8	65	53	45	37	64	52	45	37	51	44	37	
9	61	49	41	34	60	48	41	34	47	40	34	
10	58	45	38	31	56	45	38	31	44	37	31	

Based on floor reflectance of 20

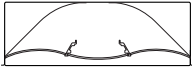
LUMINANCE DATA (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2530	2654	2704
55	1804	1972	1988
65	1536	1577	1577
75	1322	1186	1152
85	704	704	704

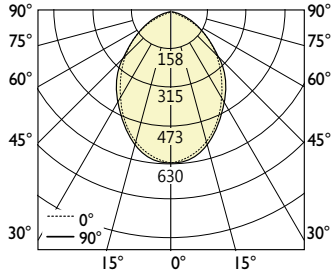
**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

● **PHOTOMETRIC DATA**

**LED**



**PHOTOMETRIC CURVE**



**Luminaire Lumens: 1200 lm**  
**Input Watts: 15.77 W**  
**Efficacy: 76 lm/W**  
 IES FILE: WALED-I1-1200-80-40-VL.ies  
 TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	630	630	630	630	630	
10	607	607	605	604	607	29
20	521	521	523	524	524	49
30	418	422	428	435	439	59
40	326	333	345	348	350	60
50	199	208	211	215	221	44
60	124	131	131	131	132	31
70	72	76	72	67	67	18
80	29	28	25	26	26	7
90	0	0	0	0	0	

**COEFFICIENTS OF UTILIZATION (%)**

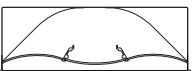
Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
Wall	70	50	30	10	70	50	30	10	50	30	10	
0	119	119	119	119	117	117	117	117	111	111	111	
1	111	107	103	98	108	104	101	96	100	97	94	
2	102	95	89	81	99	93	87	81	89	85	79	
3	94	85	77	69	92	83	76	69	80	74	68	
4	87	76	68	60	85	75	67	59	72	66	59	
5	81	69	61	52	79	68	60	52	66	59	52	
6	75	63	54	46	73	62	54	46	60	53	46	
7	70	57	49	41	68	57	49	41	55	48	41	
8	65	53	45	37	64	52	45	37	51	44	37	
9	61	49	41	34	60	48	41	34	47	40	34	
10	58	45	38	31	56	45	38	31	44	37	31	

Based on floor reflectance of 20

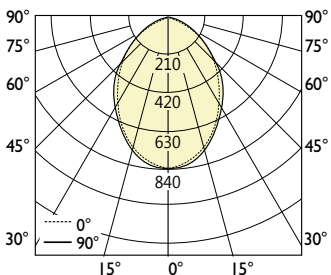
**LUMINANCE DATA (cd/m<sup>2</sup>)**

Vertical Angle	Horizontal Angles		
	0	45	90
45	3036	3185	3245
55	2165	2367	2385
65	1843	1893	1893
75	1586	1423	1383
85	845	845	845

**LED**



**PHOTOMETRIC CURVE**



**Luminaire Lumens: 1600 lm**  
**Input Watts: 21.73 w**  
**Efficacy: 74 lm/w**  
 IES FILE: WALED-I1-1600-80-40-VL.ies  
 TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	840	840	840	840	840	
10	809	809	807	805	809	38
20	695	695	697	699	699	65
30	557	562	571	580	585	78
40	435	444	459	465	466	80
50	266	278	281	286	295	59
60	166	175	175	175	176	41
70	96	101	96	89	89	24
80	38	37	33	35	35	10
90	0	0	0	0	0	

**COEFFICIENTS OF UTILIZATION (%)**

Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
Wall	70	50	30	10	70	50	30	10	50	30	10	
0	119	119	119	119	117	117	117	117	111	111	111	
1	111	107	103	98	108	104	101	96	100	97	94	
2	102	95	89	81	99	93	87	81	89	85	79	
3	94	85	77	69	92	83	76	69	80	74	68	
4	87	76	68	60	85	75	67	59	72	66	59	
5	81	69	61	52	79	68	60	52	66	59	52	
6	75	63	54	46	73	62	54	46	60	53	46	
7	70	57	49	41	68	57	49	41	55	48	41	
8	65	53	45	37	64	52	45	37	51	44	37	
9	61	49	41	34	60	48	41	34	47	40	34	
10	58	45	38	31	56	45	38	31	44	37	31	

Based on floor reflectance of 20

**LUMINANCE DATA (cd/m<sup>2</sup>)**

Vertical Angle	Horizontal Angles		
	0	45	90
45	4048	4247	4326
55	2887	3156	3180
65	2457	2523	2523
75	2114	1898	1843
85	1127	1127	1127

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