



Project _____

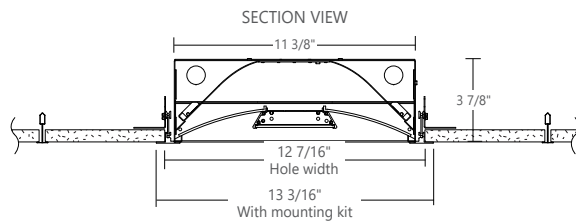
Type _____

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.

**Ordering Guide**

DIALED		SIZE	NOMINAL LUMENS		CRI	COLOR TEMP. (choose one)		SHIELDING
DIALED	DIA LED	11 1'X1'	600 600 lm - Min		80 80 CRI	27 2700 K	TW2750 2700-5000 K - Tunable White	VL VL optics
			1500 1500 lm - Max at 90 CRI		90 90 CRI*	30 3000 K	TW2765 2700-6500 K - Tunable White	
			1700 1700 lm - Max at 80 CRI			35 3500 K	BTW3527 3500-2700 K - Tunable BIOS	
						40 4000 K	BTW4027 4000-2700 K - Tunable BIOS	
						B30 3000 K - 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 Axiom technical sheet for more information on color technology *Consult BIOS guide for more information on BIOS technology		

W	FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING	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 circuit * +NL(#) night light circuit * +GTD(#) generator transfer device *	DF drywall flange	BR(#) remote battery pack only
		* Only available with POE drivers	*See page 2 to specify system **Please consult factory; see page 2 Consult factory for other control options.	* Specify quantity	Drywall flange mount (included) for installation in drywall and grid ceilings.	Not available with 347V Please consult factory

OTHER (OPTIONAL)		IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)
FW flex whip (6' std)*		DS(#) daylight sensor		C custom
AR air return		OS(#) occupancy sensor		
CP Chicago plenum		DOS(#) daylight & occupancy sensor		
		EN(#) Enlighted integral *		
		ENR(#) Enlighted remote *		
		WC(#) wireless control dimming		
Not available with 347V *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)

● SPECIFICATIONS

CONSTRUCTION

Housing	Die formed cold rolled sheet steel (20 gauge)
Central Lens Housing	Extruded aluminum (0.060" nominal)
Center Lens	PMMA Precision formed microconical structure 92 percent transmission, cuts off glare above 55°
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 (0.060" nominal)

● 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	Remote 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.

● APPROVALS

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

● WEIGHT

Standard	8 lbs / 3.6 kg
With drywall kit	9 lbs / 4.1 kg

● 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.

● WARRANTY

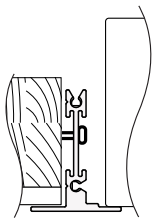
Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● LED SYSTEM

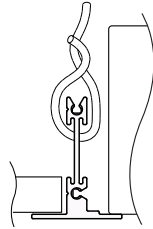
CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	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).

● CEILING SYSTEM

● DRYWALL WITH FLANGE KIT (DF)

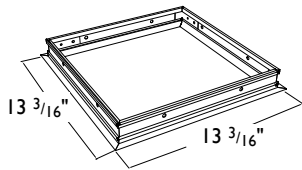


WITH WOOD FRAME



WITHOUT WOOD FRAME

● DRYWALL MOUNTING KIT



● FIXTURE DIMENSIONS

11 ³/₈" / 11 ³/₈"

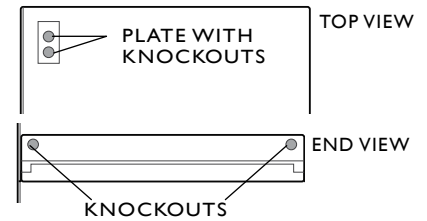
● CUT HOLE DIMENSIONS

12 ⁷/₁₆" / 12 ⁷/₁₆"

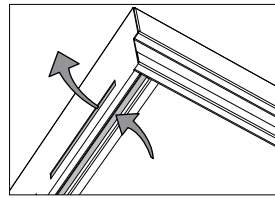
i Installation sheets for all mounting options are available at: www.axislighting.com

● 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 OTHERS)



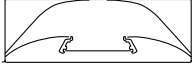
● AIR RETURN



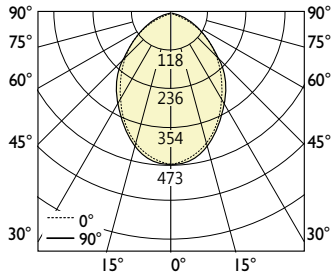
The air return (AR) option consists of discreet slots along the sides of the luminaire. These slots allow air to exhaust into the plenum and eliminate the need for unsightly air return grilles, and create a clean and well organized ceiling.

● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 900 lm
Input Watts: 11.45 W
Efficacy: 79 lm/W
 IES FILE: DIALED-11-900-80-40-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	

LUMINANCE DATA (cd/m²)

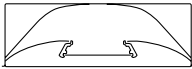
Vertical Angle	Horizontal Angles		
	0	45	90
45	2277	2389	2433
55	1624	1775	1789
65	1382	1419	1419
75	1189	1067	1037
85	634	634	634

COEFFICIENTS OF UTILIZATION (%)

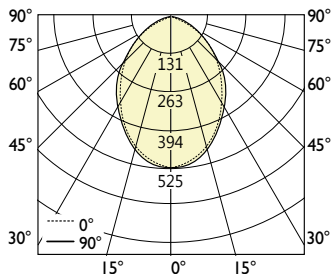
Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	10
Wall	70	50	30	10	70	50	30	10	50	30	10	10
0	119	119	119	119	117	117	117	117	111	111	111	111
1	111	107	103	98	108	104	101	96	100	97	94	94
2	102	95	89	81	99	93	87	81	89	85	79	79
3	94	85	77	69	92	83	76	69	80	74	68	68
4	87	76	68	60	85	75	67	59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

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 1000 lm
Input Watts: 12.88 W
Efficacy: 78 lm/W
 IES FILE: DIALED-11-1000-80-40-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	

LUMINANCE DATA (cd/m²)

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

COEFFICIENTS OF UTILIZATION (%)

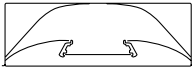
Ceiling	80				70				50			
Wall	70	50	30	10	70	50	30	10	50	30	10	
0	119	119	119	119	117	117	117	117	111	111	111	
1	111	107	103	98	108	104	101	96	100	97	94	
2	102	95	89	81	99	93	87	81	89	85	79	
3	94	85	77	69	92	83	76	69	80	74	68	
4	87	76	68	60	85	75	67	59	72	66	59	
5	81	69	61	52	79	68	60	52	66	59	52	
6	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

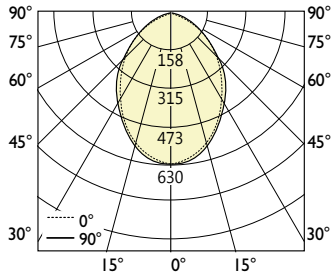
❗ All IES files are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 1200 lm

Input Watts: 15.77 W

Efficacy: 76 lm/W

IES FILE: DIALED-11-I200-80-40-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	

LUMINANCE DATA (cd/m²)

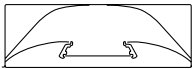
Vertical Angle	Horizontal Angles		
	0	45	90
45	3036	3185	3245
55	2165	2367	2385
65	1843	1893	1893
75	1586	1423	1383
85	845	845	845

COEFFICIENTS OF UTILIZATION (%)

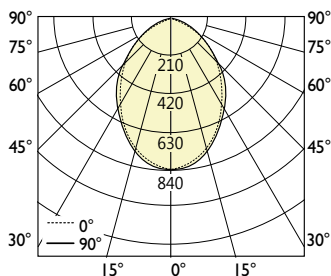
Ceiling	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	10
Wall	70	50	30	10	70	50	30	10	50	30	10	10
0	119	119	119	119	117	117	117	117	111	111	111	111
1	111	107	103	98	108	104	101	96	100	97	94	94
2	102	95	89	81	99	93	87	81	89	85	79	79
3	94	85	77	69	92	83	76	69	80	74	68	68
4	87	76	68	60	85	75	67	59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

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 1600 lm

Input Watts: 21.23 W

Efficacy: 74 lm/W

IES FILE: DIALED-11-I1600-80-40-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	

LUMINANCE DATA (cd/m²)

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

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50			
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

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