

CHISEL 1'X2'

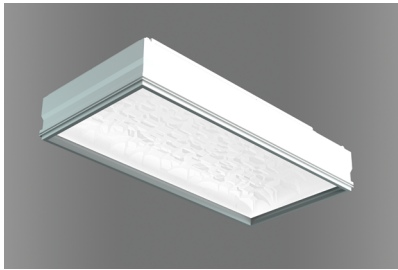
Recessed – Static White

Type:

Project:

Catalog Number:

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CHISEL reveals the shape of light with soft luminous gradients and textures that add depth and character to any design. 5 forms, 4 luminous effects and 3 textured patterns allow for endless options to create clusters and unique layouts that deliver high quality volumetric lighting for practical performance and design impact.

Specification Features

Housing

Extruded aluminum housing. 1'x2' 15 lbs.

Finish

Painted after fabrication, high reflectance matte white.

Reflector

High-impact, 97% reflective vacuum-formed polymer reflector with textured pattern and satin white finish.

Mounting

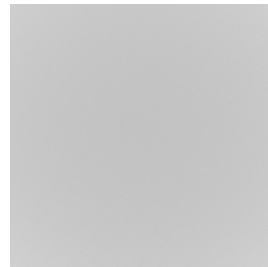
Recessed. Available 9/16" and 15/16" flat, 9/16" screw slot or 9/16" narrow.

See page 2 for additional specifications.

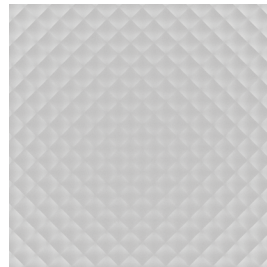
UGR

Data available on page 4.

Texture



MNML

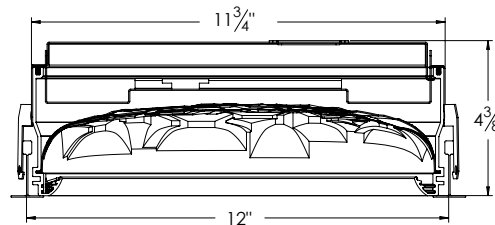


WVE



PYR

Section View



Declare.

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A+ Capable options indicated by this color background.

Ordering

Example: CHSL 1X2 G9 80CRI 35K 2000LM PYR 1SD DARK 120 ZT

CHSL	1X2					
Series	Size	Ceiling Trim	LED Color Rendering	LED Color Temp	LED Output ²	
CHSL	1X2 1'X2'	DF¹ Regular tee slot G9 9/16" inverted tee G15 15/16" inverted tee	80CRI 80+ CRI 90CRI 90+ CRI	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K 65K 6500K	500LM 500 Lumens 750LM 750 Lumens 1000LM 1000 Lumens 1250LM 1250 Lumens 1500LM 1500 Lumens 1750LM 1750 Lumens 2000LM 2000 Lumens	
Texture	Directional Gradient	Minimum Dimming Level	Voltage	Emergency Options	Control Input	Options
MNML Minimalist	1SD³ Side	DARK⁵ Constant Current, Dimming to < 1%	120 120V	E10WCP⁷ 10-watt emergency battery pack	ZT 0-10V	CP⁹ Chicago plenum
WVE Weave	2SDP Parallel	MINI⁶ Constant Current, Dimming to 1%	277 277V	EMG^{2,8} Emergency generator power	NLIGHT nLight enabled	PWS 6' pre-wire, 3/8" diameter, 18 gauge
PYR Pyramid	2SDPI⁴ Parallel, Individual Control (see page 2)		347 347V		NLTAIR2 nLight Air	
					DALI DALI	
					DMX DMX512/RDM	
					ECOD Lutron Hi-Lume Digital driver	

Notes

- Available for 9/16" grid only.
- See table for delivered lumens/fixture.
- Incorporates longest side of luminaire.
- Available with DMX and max lumen package only.
- DARK not available with ECOD.
- MINI not available with NLIGHT, NLTAIR2 or DALI.
- Not available with 347 option.
- EMG option requires a connection to existing powered nLight network. Power is provided from a separate nLight fixture.
- Not available with NLIGHT, NLTAIR2, or DMX options.

Specification Features (continued)

Electrical

Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000).

Color Consistency

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. Color variation is no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

Driver

eldoLED® driver provides natural dimming with smooth, continuous and flicker-free deep dimming. Supports operation between 120VAC and 277 VAC, with low inrush current (NEMA 410) and THD < 20%. Meets FCC Title 47 C.F.R. 15 Class A or Class B requirements. Lutron high performance driver options also available.

Integrated Controls

Optional nLight® embedded controls make luminaire addressable- allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling. (Input option: NLIGHT)

Certification

UL Certified to meet U.S. and Canadian standards, rated for damp locations.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Directional Gradient

Fixture Performance

	Directional Gradient	Delivred Lumens	Inputs Watts	Lumens/ Watts
500LM	1SD	386	3.67	105
500LM	2SD	396	3.7	107
750LM	1SD	668	6.03	111
750LM	2SD	677	5.94	114
1000LM	1SD	881	7.89	112
1000LM	2SD	907	7.83	116
1250LM	1SD	1162	10.5	111
1250LM	2SD	1197	10.36	116
1500LM	1SD	1451	13.67	106
1500LM	2SD	1504	13.44	112
1750LM	1SD	1652	15.69	105
1750LM	2SD	1710	15.36	111
2000LM	1SD	1914	18.52	103
2000LM	2SD	1997	18.03	111

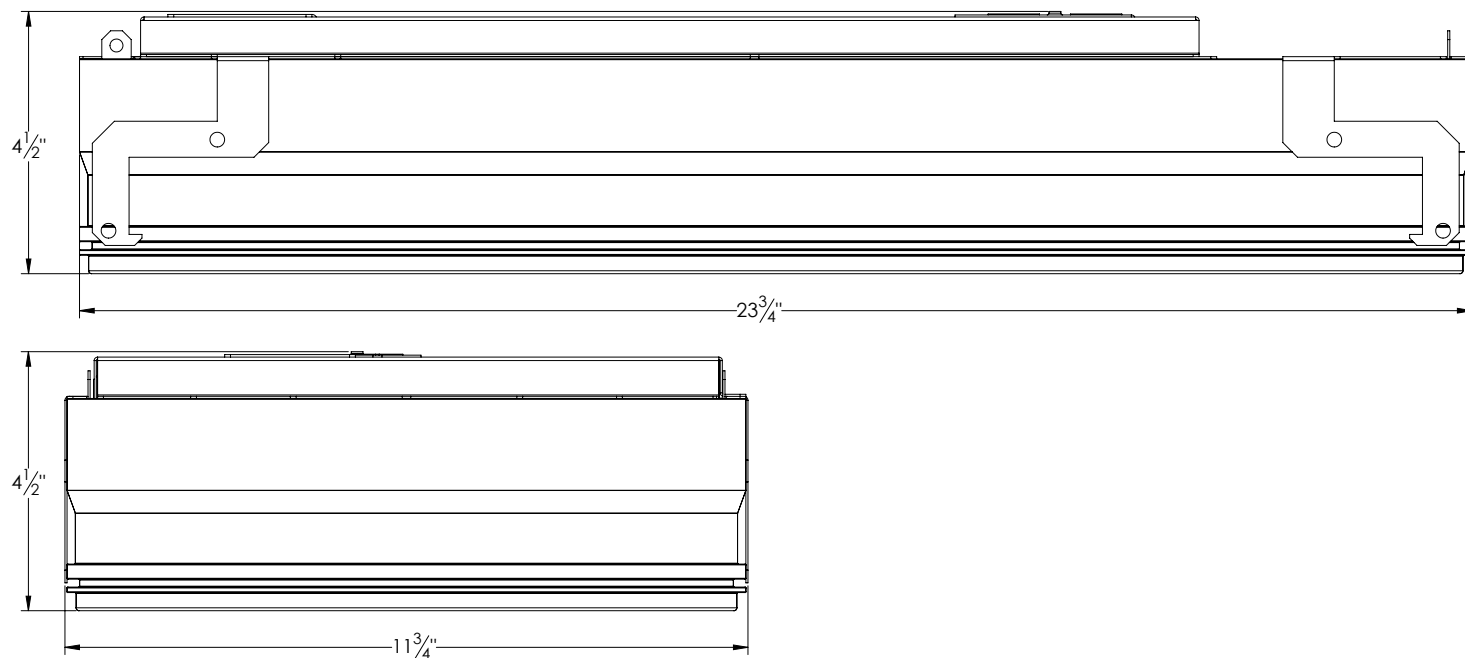


1SD

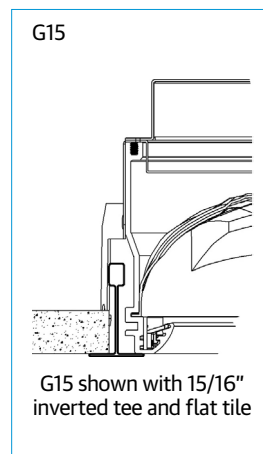
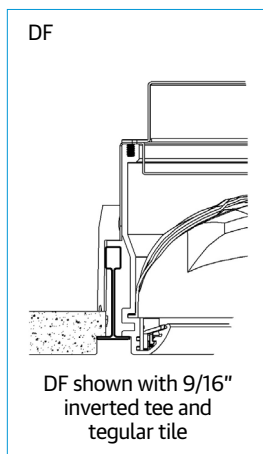
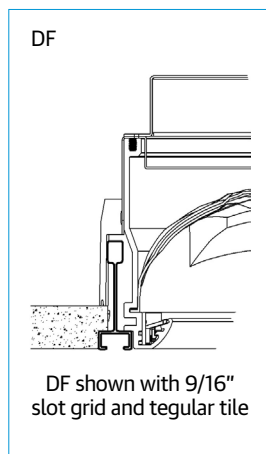
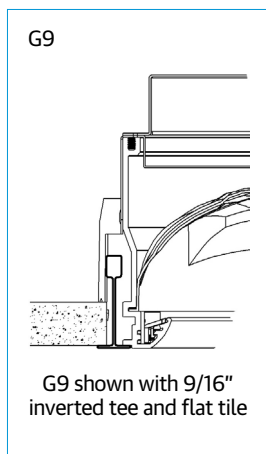


2SDP

Technical Drawing

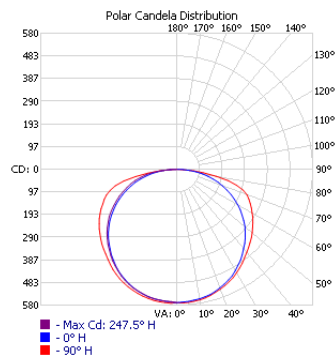


Ceiling Trim



Photometrics

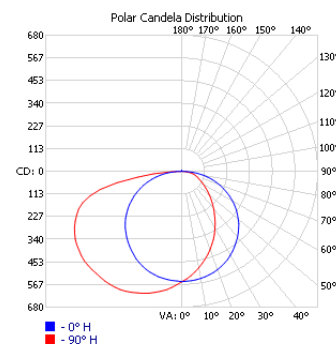
CHSL 1X2 DF 80CRI 50K 2000LM MNML 2SDP DARK 120 ZT, 2012 delivered lumens, 17.6 watts, Test no. ISF38170, tested in accordance to IESNA LM-79



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	453.5	22.50%
0-40	755.1	37.50%
0-60	1415.5	70.30%
60-90	596.2	29.60%
70-100	300.3	14.90%
90-120	0.5	0%
0-90	2011.7	100%
90-180	0.6	0%
0-180	2012.3	100%

Angle	Candlepower Distribution							
	Plane							
	0	22.5	45	67.5	90	112.5	135	157.5
0	569	569	569	569	569	569	569	569
5	566	563	569	571	570	571	568	565
10	561	558	564	565	566	566	562	559
15	553	549	555	556	557	558	554	550
20	538	536	542	544	544	545	542	537
25	521	518	525	528	529	529	526	521
30	499	497	504	508	510	510	505	498
35	474	471	477	483	488	485	481	473
40	443	444	451	459	464	460	452	446
45	413	414	424	435	442	437	426	416
50	380	379	392	410	420	414	396	382
55	340	343	360	384	396	387	365	346
60	299	303	327	358	371	361	331	307
65	256	261	292	328	346	332	297	264
70	208	217	256	299	319	304	262	223
75	161	174	220	253	265	258	226	181
80	111	127	156	163	171	168	165	132
85	56	62	65	65	72	68	66	57
90	1	0	0	0	0	1	1	1

CHSL 1x2 DF 80CRI 50K 2000LM MNML 1DS DARK 120 ZT, 1986 delivered lumens, 18.1 watts, Test no. ISF38167, tested in accordance to IESNA LM-79



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	440.2	22.20%
0-40	733.7	36.90%
0-60	1379.6	69.50%
60-90	597.6	30.10%
70-100	307.8	15.50%
90-120	4.7	0.20%
0-90	1977.1	99.60%
90-180	8.9	0.40%
0-180	1986	100%

Angle	Candlepower Distribution							
	Plane							
	0	22.5	45	67.5	90	112.5	135	157.5
0	552	552	552	552	552	552	552	552
5	549	533	532	526	524	527	529	532
10	544	517	506	493	490	495	503	516
15	535	496	476	458	453	459	474	497
20	523	473	443	422	415	423	444	474
25	506	447	410	382	375	385	410	448
30	485	417	372	341	331	342	371	417
35	460	384	331	299	289	300	333	383
40	433	351	293	260	249	260	293	349
45	402	313	255	221	212	222	256	314
50	368	275	214	186	177	187	216	275
55	332	235	178	154	147	155	180	235
60	291	194	144	125	121	126	145	195
65	248	152	113	101	98	102	114	155
70	204	114	87	82	82	83	88	115
75	157	78	65	64	66	66	67	81
80	108	49	44	46	47	47	46	50
85	55	22	20	20	20	21	23	25
90	1	1	1	1	2	2	2	3

Lumen Package	UGR (70% 50% 20% reflectance using a 4H x 8H room size)			
	Crosswise		Endwise	
	1SD	2DSP	1SD	2DSP
500LM	14.1	13.5	8.8	15.5
750LM	16.1	15.5	10.8	17.6
1000LM	17.1	16.5	11.8	18.5
1250LM	18.1	17.5	12.8	19.6
1500LM	18.9	18.4	13.6	20.4
1750LM	19.4	18.8	14	20.9
2000LM	19.9	19.4	14.5	21.4

UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application. Click here for more information on [UGR](#).