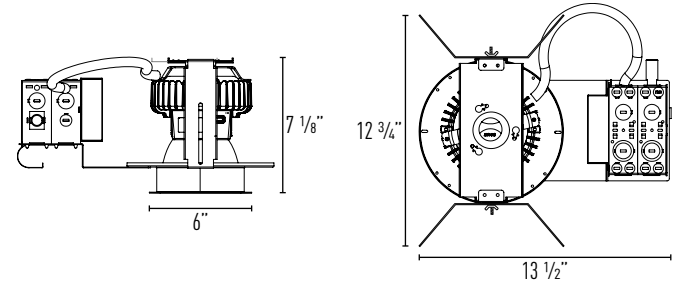


SS4SG2 / ICS430

4" Architectural LED Square Generation 2 / Open Reflector



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Cut-out: 5 5/8" x 5 5/8"

Order Matrix | Example: SS4SG22000308-27-EM

A	B	C	D	E
A	Series		D	Dimming
SS4SG2	4" LED Recessed Square		blank	0-10V Dimming 10%
			-D10V1	0-10V Dimming 1%
			-ED10V1	eldoLED 0-10V 1% ¹
			-ED10V01	eldoLED 0-10V 0.1% ¹
			-LUT1	Lutron Hi-Lume 1%
			-LUT	Lutron EcoSystem 1%
			-LUT5	Lutron EcoSystem 5%
			-EDALI1	eldoLED DALI 1% ¹
			-EDALI01	eldoLED DALI 0.1% ¹
B	Module Lumen Output		E	Voltage
1100	1100 Lumen		blank	120V
1500	1500 Lumen		-27	277V
2000	2000 Lumen			
3000	3000 Lumen		E	Options
			-EM	Emergency Backup
			-I100	C-Channel Bar Hanger
			-I200	Flat Bar Hanger
			-I400	Wood Joist Bar Hanger
C	Color Temperature / CRI			
278	2700K / 80 CRI			
308	3000K / 80 CRI			
358	3500K / 80 CRI			
408	4000K / 80 CRI			

Notes:

1. eldoLED dimming not available for 3000lm module

Reflector Matrix | Example: ICS430HZ-SF

A		B		C	
A	Series			C	Trim
ICS430	4" Square Open Reflector			-SF	Self Flanged
				-SFW	Self Flanged White
B	Reflector Finish				
HZ	Haze				

Catalog Number	System Wattage *	Delivered Lumens **
SS4SG21100358 / ICS430HZ	15.72W	915lm @ 3500K
SS4SG21500358 / ICS430HZ	18.78W	1222lm @ 3500K
SS4SG22000358 / ICS430HZ	24.63W	1524lm @ 3500K
SS4SG23000358 / ICS430HZ	37.73W	2350lm @ 3500K

* System wattage include driver and LED module consumption.

** Delivered lumen output will vary depending on CCT.

LED MODULE

- Powered by OSRAM PrevaLED® Cube LED Module
- 50,000 hours at 70% lumen maintenance
- No heat, mercury or UV
- Available in 1100, 1500, 2000 and 3000 lm
- CRI = 80 & CCT 2700K, 3000K, 3500K, 4000K

ELECTRICAL SYSTEM

- Osram Optotronic® standard with 0-10V dimming to 10%
- Power factor >.9, 50/60Hz
- Multiple dimming options available

OPTICAL SYSTEM

Specification grade reflector with 1.2mm thickness. Reflector available in haze. Architectural, discrete polished self flange standard. Optional painted white flange is available. Meets RP-1 requirements with controlled light distribution at a 55° cut off.

FRAME CONSTRUCTION

Heavy duty galvanized steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel are recommended for T-bar ceilings. Maximum ceiling thickness is 1 1/4".

EMERGENCY BACKUP

Remote test switch included. Emergency driver operates LED load of up to 7.0 Watts at a nominal 450 lumens for a minimum of 90 minutes.

LISTING/WARRANTY

- ETL listed to US and Canadian standards for damp locations.
- 10-Year Intense LED Limited Warranty



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SS4SG21100358 / ICS430HZ

4" Architectural LED Square / Open Reflector

Report #: L10135607

Reflector Finish: Haze

Luminaire Watts: 15.72W

Luminaire Lumens: 915.39 lm

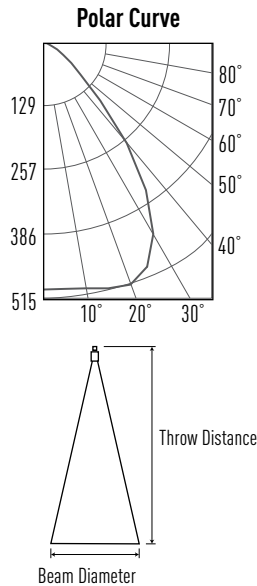
Lumens Per Watt: 58.23

Color Temperature: 3394K

Color Rendering Index: 84.3

Spacing Criteria: 1.18 (0-180)
1.22 (90-270)

Lighting Facts
Reg. #: L5DN-85SMJF



Throw Distance (d)	8' (2.4m)	10' (3m)	12' (3.7m)
Beam Diameter	10.1' x 9.5'	12.6' x 11.9'	15.2' x 14.3'
Illuminance (fc)	7.7	4.9	3.4
Illuminance (lux)	83	53.1	36.9

Coefficients of Utilization

Effective Floor Cavity Reflectance = .20

RC	80					70					50			30			0	
	Wall Reflectance																	
Room Cavity Ratio	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
	1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	90	86	83
	2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	80	78	74
	3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	71	68	66
	4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	63	60	57
	5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	57	54	52
	6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	52	49	47
	7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	47	44	43
	8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	43	40	39
	9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	39	36	34
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	36	33	31	

Zonal Lumens and Percentages

Zone	Lumens	%Fixture
0-30	412.53	45.1
0-40	643.14	70.3
0-60	854.96	93.4
0-90	915.39	100
40-70	248.76	27.2
60-80	54.7	6
90-180	0	0
0-180	915.39	100

Zonal Lumen Summary

Zone	CP	Lumens
0	493.82	47.19
10	491.89	141.9
20	489.09	223.44
30	397.93	230.61
40	228.57	144.38
50	106.41	67.44
60	74.01	36.94
70	37.87	17.76
80	14.21	5.73
90	0	0

SS4SG21500358 / ICS430HZ

4" Architectural LED Square / Open Reflector

Report #: L10135609

Reflector Finish: Haze

Luminaire Watts: 18.78W

Luminaire Lumens: 1222.44 lm

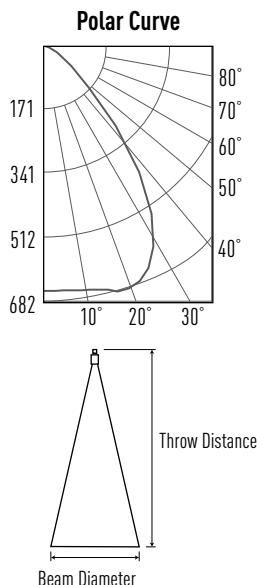
Lumens Per Watt: 65.09

Color Temperature: 3394K

Color Rendering Index: 83.1

Spacing Criteria: 1.2 (0-180)
1.28 (90-270)

Lighting Facts
Reg. #: L5DN-P2H6C7



Throw Distance (d)	8' (2.4m)	10' (3m)	12' (3.7m)
Beam Diameter	10.1' x 9.5'	12.7' x 11.9'	15.3' x 14.3'
Illuminance (fc)	8.4	6.5	4.5
Illuminance (lux)	109	70	48.6

Coefficients of Utilization

Effective Floor Cavity Reflectance = .20

RC		80				70				50			30			0		
Room Cavity Ratio	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
	1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	88	84	81
	2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	77	74	71
	3	95	87	80	74	93	85	79	74	82	77	73	77	75	71	68	65	63
	4	89	79	71	65	87	77	70	65	75	69	64	71	68	63	61	58	56
	5	83	72	64	58	81	71	63	58	69	62	57	65	61	57	54	51	49
	6	77	65	58	52	75	65	57	52	63	56	51	60	55	51	49	46	44
	7	72	60	52	47	70	59	52	47	58	51	47	55	51	46	44	41	40
	8	67	55	48	43	66	55	48	43	54	47	42	51	46	42	40	37	36
	9	63	51	44	39	62	51	44	39	50	43	39	48	43	38	37	34	33
	10	60	48	40	36	58	47	40	36	46	40	35	44	39	35	34	31	30

Zonal Lumens and Percentages

Zone	Lumens	%Fixture
0-30	514.65	42.1
0-40	785.1	64.2
0-60	1102.13	90.2
0-90	1222.44	100
40-70	383.93	31.4
60-80	102.71	8.4
90-180	0	0
0-180	1222.44	100

Zonal Lumen Summary

Zone	CP	Lumens
0	650.13	50.29
10	647.57	186.98
20	650.26	277.4
30	528.07	270.44
40	306.71	227.89
50	146.32	89.15
60	96.75	66.89
70	52.51	35.82
80	20.95	17.59
90	0	0

All testing was conducted in accordance with LM-79-08, Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products as published by the Illuminating Engineering Society of North America (IESNA).

ARCHITECTURAL LM-82-23-15 P-10

Intense Lighting, LLC | 3340 E La Palma Ave. | Anaheim, CA 92806 | Phone: 1.800.961.5321 | Fax: 1.800.961.5322 | www.intenselighting.com

Note: Specifications and dimensions subject to change without notice.



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SS4SG22000358 / ICS430HZ

4" Architectural LED Square / Open Reflector

Report #: L10135701

Reflector Finish: Haze

Luminaire Watts: 24.63W

Luminaire Lumens: 1524.05 lm

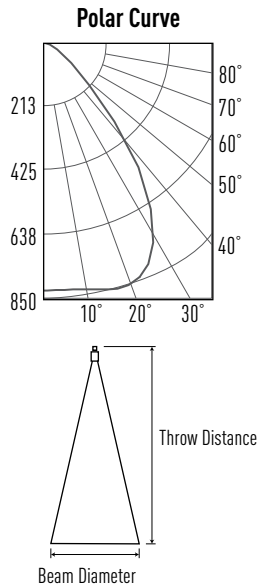
Lumens Per Watt: 61.88

Color Temperature: 3330K

Color Rendering Index: 83.9

Spacing Criteria: 1.2 (0-180)
1.26 (90-270)

Lighting Facts
Reg. #: L5DN-PL5LFM



Throw Distance (d)	8' (2.4m)	10' (3m)	12' (3.7m)
Beam Diameter	10.1' x 9.5'	12.6' x 11.8'	15.1' x 14.2'
Illuminance (fc)	12.8	8.2	5.7
Illuminance (lux)	138	88.2	61.3

Coefficients of Utilization

Effective Floor Cavity Reflectance = .20

Room Cavity Ratio	RC	80				70				50				30				0
		Wall Reflectance																
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
	1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	88	84	81
	2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	77	75	71
	3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	68	63	61
	4	89	79	71	66	87	77	70	65	75	69	64	73	68	63	61	57	54
	5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	54	51	49
	6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	49	46	44
	7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	44	41	39
	8	68	55	48	43	66	55	48	43	54	47	42	52	46	42	40	37	35
	9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	37	34	32
	10	60	48	41	36	58	47	40	36	46	40	36	45	40	35	34	31	29

Zonal Lumens and Percentages

Zone	Lumens	%Fixture
0-30	644.16	42.3
0-40	979.89	64.3
0-60	1373.3	90.1
0-90	1524.05	100
40-70	476.9	31.3
60-80	128.42	8.4
90-180	0	0
0-180	1524.05	100

Zonal Lumen Summary

Zone	CP	Lumens
0	819.78	63.46
10	816.34	234.97
20	812.06	345.72
30	655.76	335.74
40	379.1	282.1
50	182.94	111.31
60	120.03	83.49
70	65.11	44.92
80	26.1	22.33
90	0	0

SS4SG23000358 / ICS430HZ

4" Architectural LED Square / Open Reflector

Report #: L10135703

Reflector Finish: Haze

Luminaire Watts: 37.73W

Luminaire Lumens: 2349.97 lm

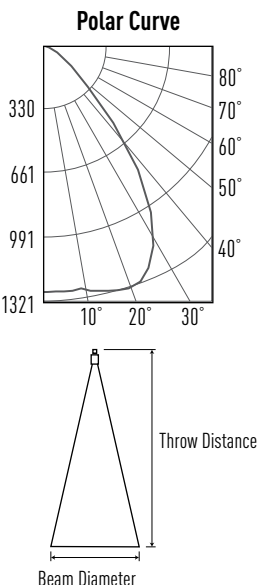
Lumens Per Watt: 62.28

Color Temperature: 3300K

Color Rendering Index: 83

Spacing Criteria: 1.2 (0-180)
1.28 (90-270)

Lighting Facts
Reg. #: L5DN-YSEWD7



Throw Distance (d)	8' (2.4m)	10' (3m)	12' (3.7m)
Beam Diameter	10.1' x 9.5'	12.6' x 11.8'	15.1' x 14.2'
Illuminance (fc)	19.8	12.6	8.8
Illuminance (lux)	213	136	94.4

Coefficients of Utilization

Effective Floor Cavity Reflectance = .20

RC		80				70				50			30			0			
Room Cavity Ratio	RW	Wall Reflectance																	
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30		10
	1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	88	84	81	0
	2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	77	75	71	0
	3	95	87	80	74	93	85	79	74	82	77	73	77	75	71	68	63	61	0
	4	89	79	71	65	87	77	70	65	75	69	64	71	68	63	61	57	54	0
	5	83	72	64	58	81	71	63	58	69	62	57	65	61	57	54	51	49	0
	6	77	65	58	52	75	65	57	52	63	56	51	60	55	51	47	46	44	0
	7	72	60	52	47	70	59	52	47	58	51	47	55	51	46	44	41	39	0
	8	67	55	48	43	66	55	48	43	54	47	42	51	46	42	40	37	35	0
	9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	37	34	32	0
10	60	48	40	36	58	47	40	36	46	40	35	44	39	35	34	31	29	0	

Zonal Lumens and Percentages

Zone	Lumens	%Fixture
0-30	995.68	42.4
0-40	1515.79	64.5
0-60	2118.5	90.2
0-90	2349.97	100
40-70	730.69	31.1
60-80	196.99	8.4
90-180	0	0
0-180	2349.97	100

Zonal Lumen Summary

Zone	CP	Lumens
0	1264	97.67
10	1259	362.09
20	1254	535.92
30	1016	520.11
40	582	432.72
50	283	169.99
60	185	127.98
70	101	69.01
80	41	34.47
90	0	0

All testing was conducted in accordance with **LM-79-08**, Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products as published by the Illuminating Engineering Society of North America (IESNA).

ARCHITECTURAL LM-8223-15 P-11

Intense Lighting, LLC | 3340 E La Palma Ave. | Anaheim, CA 92806 | Phone: 1.800.961.5321 | Fax: 1.800.961.5322 | www.intenselighting.com

Note: Specifications and dimensions subject to change without notice.



DIMMING COMPATIBILITY

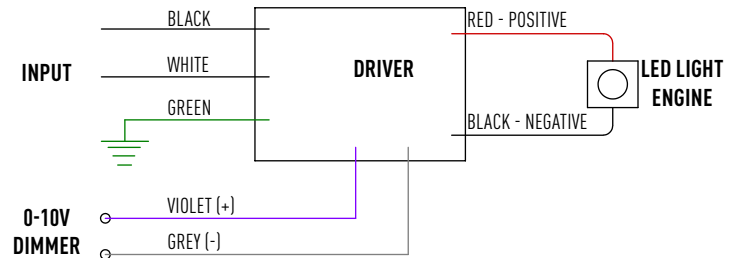
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

0-10V DIMMING

- 120V or 277V
- Dims down to 1% or 10% light output
- Consult dimming manufacturer for installation instructions and power packs

COMPATIBLE DIMMERS

Manufacturer	Part Number(s)
HUNT	PS-010-IV-120V, PS-010-WH-120V, PS-010-3W-IV-120, PS-010-3W-WH-120V, PS-010-IV-277V, PS-010-WH-277V, PS-010-3W-IV-277V, PS-010-3W-WH-277V, FD-010: PS-IFC-010-IV, PS-IFC-010-WH-120/277V, FD-010: PS-IFC-010-3W-IV, PS-IFC-010-3W-WH-120/277V, FD-010-120V, FD-010-277V
Leviton	Leviton Centura Fluorescent Control System, IllumaTech™ IP7 Series, DPSPE-212
Lightolier	ZP600FAM120, MP1500FAM120, V2000FAMU
Lithonia	LEQ BC, LEQ LVBC, SLD LVBC, SQ1DC
Lutron	DVTV, NTFTV
Synergy	ISD BC 120/277

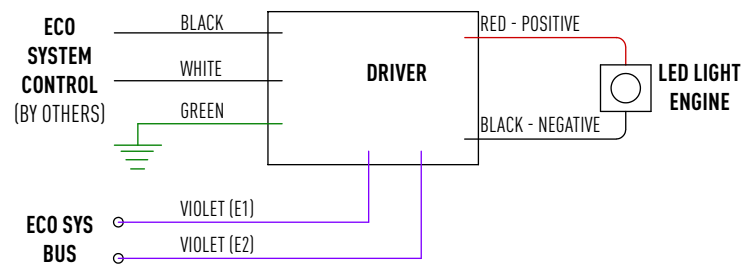


LUTRON ECOSYSTEM® DIMMING

- 120V or 277V
- Dims down to less than 1% or 5% light output
- Consult dimming manufacturer for installation instructions

COMPATIBLE DIMMERS

Product	Part Number(s)
EcoSystem	CS-1L-WM, CS-2L-WM, CS-1L-CM, CS-2L-CM, EcoSystem ESN, Grafik Eye QS with EcoSystem, Quantum



LUTRON HI-LUME® DIMMING

- 120V or 277V
- Dims down to less than 1% light output
- Consult dimming manufacturer for installation instructions

COMPATIBLE DIMMERS

Product	Part Number(s)
NovaT	NTF-10, NTF-103P, NTF-103P-277, NTF-10-277
Nova	NF-10, NF-103P, NF-103P-277, NF-10-277
Vareo	VF-10
Skylark	SF-10P, SF-12P-277, SF-12P-277-3, SF-103P
Diva	DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277
Ariadni	AYF-103P, AYF-103P-277
Vierti	VTF-6AM
Maestro	MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277
Maestro Wireless	MRF2-F6AN-DV
Spacer System	SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277
Lyneo	LXF-103PL, LXF-103PL-277
Radio RA 2	RRD-F6AN-DV
HomeWorks QS	HQRD-F6AN-DV

