

IHOL-S4DS / ISDS400

4" Gravity LED Square Shallow Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	Delivered Lumens *	System Wattage **
M1	600lm @ 3000K / 82 CRI	9 Watts
M2	1200lm @ 3000K / 82 CRI	18 Watts
L1	1650lm @ 3000K / 82 CRI	25 Watts
L2	2350lm @ 3000K / 82 CRI	35 Watts
L3	3350lm @ 3000K / 82 CRI	50 Watts

* Delivered lumens output will vary depending on CCT, CRI, optic and reflector finish.

** System Wattage include driver and LED Module consumption.

FEATURES

- Housing is 3.9" tall with minimal 5/8" collar that expands up to 1 1/4" for thicker ceilings via hanger bar placement

LED LIGHT ENGINE

- 9W, 18W, 25W, 35W and 50W
- 82 CRI & 2700K, 3000K, 3500K, 4000K
- 92 CRI available in 2700K & 3000K
- 3 Step MacAdam (3 SDCM)
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

DIMMING

- 0-10V Dimming 1%
- Forward/reverse dimming 1% (120V only)
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)
- DMX512 RDM 0.1%

OPTICS

- 14° Narrow Spot, 20° Spot, 30° Narrow Flood, 40° Flood and 50° Wide Flood
- Optics and filter media are field customizable

ELECTRICAL SYSTEM (120V OR 277V)

- Power factor >.9, 50/60Hz
- Multiple dimming drivers available
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

FRAME CONSTRUCTION

Constructed from 16 and 18 gauge heavy duty powder coated cold rolled 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.

REFLECTOR

Specification grade reflector with 1.5mm thickness. Reflector available in clear, haze, white, wheat or black finish. Consult factory for other colors. 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.

INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 5/8" to 1 1/4". Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Max. ambient temperature: 131°F (55°C).

EMERGENCY BACKUP

Remote test switch included. External battery operates LED load of up to 7W at a minimum of 550 lumens for 90 minutes (EM7), or 20W at a minimum of 1650 lumens for 90 minutes (EM20).

ACCESSORIES

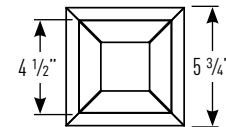
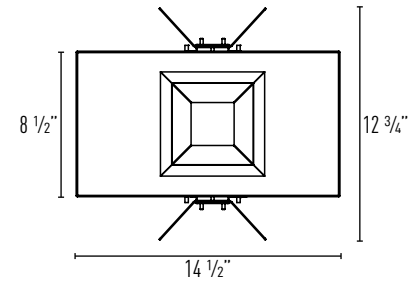
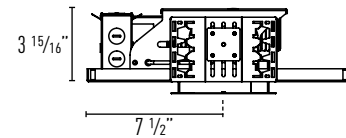
Luminaire will accommodate (2) accessories, accessory holder required.

LISTING / WARRANTY

- ETL Listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified ¹



Gravity™



Ceiling Cut Out: 5 1/4" x 5 3/4"
Maximum Ceiling Thickness: 1 1/4"
Minimum Ceiling Thickness: 5/8"

Housing Part Number (Example: IHOL-S4DSL230-D10-40)

Housing	LED Light Engine	CCT / CRI	Dimming	Voltage	Optic	Accessories
IHOL-S4DS	M1 (9 Watts)	27 (2700K / 82 CRI)	blank (Non-Dimming)	blank (120V)	-14 ⁵ (14° Narrow Spot)	EM7 (7W Emergency Backup
	M2 (18 Watts)	279 (2700K / 92 CRI)	-DELV ² (ELV Dimming 1%)	27 (277V)	-20 (20° Spot)	OTA part #ILB-CP07-A)
	L1 (25 Watts)	30 (3000K / 82 CRI)	-D101 (0-10V Dimming 1%)		-30 (30° Narrow Flood)	EM20 (20W Emergency Backup w/ Remote
	L2 (35 Watts)	309 (3000K / 92 CRI)	-ED10V1 (eldoLED 0-10V 1%)		-40 (40° Flood)	Test Switch OTA ILB-CP20-HE-S)
	L3 (50 Watts)	35 (3500K / 82 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		-50 (50° Wide Flood)	I100 (C-Channel Bar Hangers)
			40 (4000K / 82 CRI)	-LUT ³ (Lutron® LDE1 EcoSystem 1%)		I200 (Flat Bar Hangers)
			-LUT2 ^{3,3} (Lutron® LTEA2W 2-Wire 1%)			
			-DMXR ⁴ (DMX512 RDM 0.1%)			

Reflector Part Number (Example: ISDS400HZ-SF)

Reflector	Reflector Finish	Trim Type
ISDS400	W (White)	-SF (Self Flanged)
	B ⁶ (Black)	-SFW (Self Flanged White)
	C (Clear)	
	HZ (Haze)	
	WHT ⁷ (Wheat)	

Accessories

LH63	(Black Accessory Holder)
LH63W	(White Accessory Holder)
PFL4-63	(Solite Soft Focus Lens)
PFLMB-63	(Black Hex Louver)

Notes:

- ENERGY STAR® Qualified
Excludes: 14° Narrow Spot Optics / Black & Wheat Reflectors
- Available in 120V only
- DMX512 RDM not available with M1
- 14° Optic available in M1, M2, L1 & L2
- Consult factory for lead times

DOWNLIGHTING-GRAVITY L/M-0508-19 P-13

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 800 961-5321.

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LIGHTING

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IHOL-S4DSM130 / IRDS400HZ

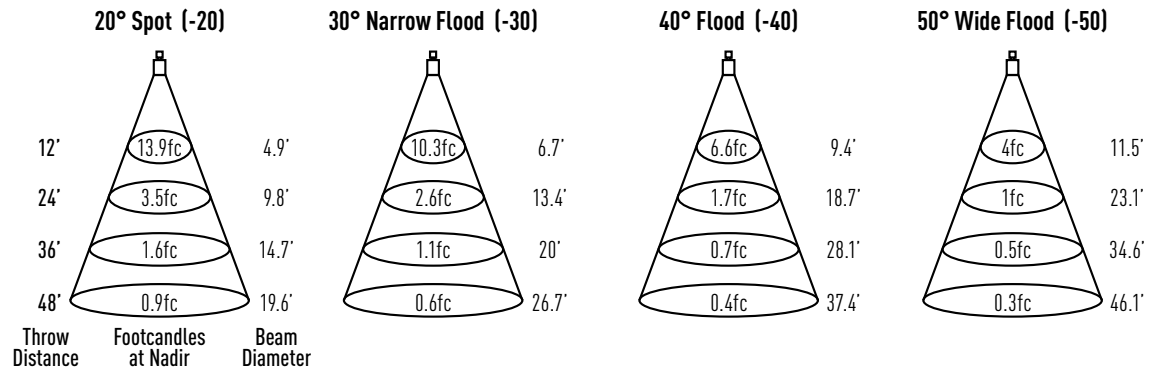
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CCT / CRI Multipliers:

2700K / 82 CRI (x 0.93)
 2700K / 92 CRI (x 0.74)
 3000K / 82 CRI (x 1.00)
 3000K / 92 CRI (x 0.79)
 3500K / 82 CRI (x 1.03)
 4000K / 82 CRI (x 1.04)

Emergency Multipliers:

7W Emergency (x 0.72)
 20W Emergency (x 2.22)



Watts: 9
 Lumens: 617
 LPW: 69
 CCT: 3000K

Watts: 9
 Lumens: 598
 LPW: 66
 CCT: 3000K

Watts: 9
 Lumens: 606
 LPW: 67
 CCT: 3000K

Watts: 9
 Lumens: 567
 LPW: 63
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	2008
5°	1859
15°	709
25°	287
35°	88
45°	25

Candelas at Nadir

Degree	CBCP
0°	1479
5°	1400
15°	788
25°	262
35°	116
45°	30

Candelas at Nadir

Degree	CBCP
0°	955
5°	913
15°	662
25°	388
35°	135
45°	38

Candelas at Nadir

Degree	CBCP
0°	588
5°	572
15°	469
25°	316
35°	179
45°	85

IHOL-S4DSM230 / IRDS400HZ

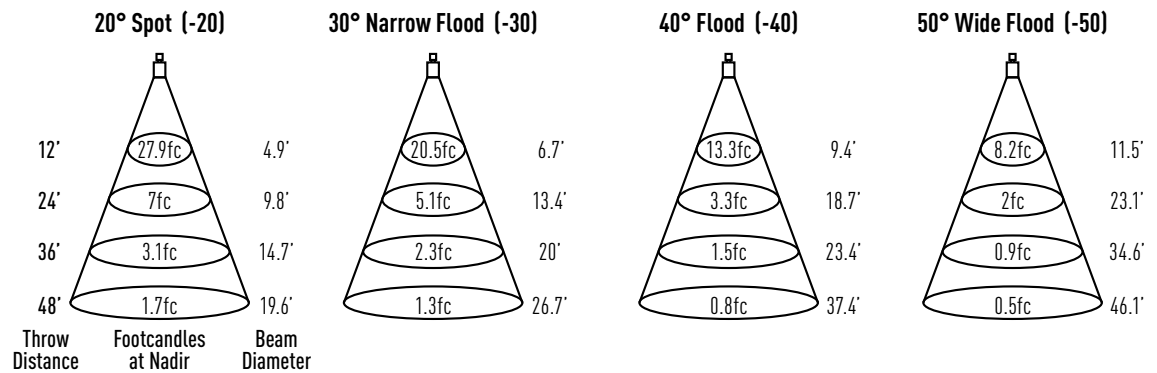
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CCT / CRI Multipliers:

2700K / 82 CRI (x 0.93)
 2700K / 92 CRI (x 0.74)
 3000K / 82 CRI (x 1.00)
 3000K / 92 CRI (x 0.79)
 3500K / 82 CRI (x 1.03)
 4000K / 82 CRI (x 1.04)

Emergency Multipliers:

7W Emergency (x 0.38)
 20W Emergency (x 1.18)



Watts: 18
 Lumens: 1234
 LPW: 69
 CCT: 3000K

Watts: 18
 Lumens: 1196
 LPW: 66
 CCT: 3000K

Watts: 18
 Lumens: 1211
 LPW: 67
 CCT: 3000K

Watts: 18
 Lumens: 1133
 LPW: 63
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	4016
5°	3718
15°	1419
25°	574
35°	177
45°	51

Candelas at Nadir

Degree	CBCP
0°	2957
5°	2800
15°	1576
25°	642
35°	231
45°	60

Candelas at Nadir

Degree	CBCP
0°	1910
5°	1825
15°	1324
25°	776
35°	269
45°	75

Candelas at Nadir

Degree	CBCP
0°	1176
5°	1144
15°	937
25°	633
35°	357
45°	170

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IHOL-S4DSL130 / IRDS400HZ

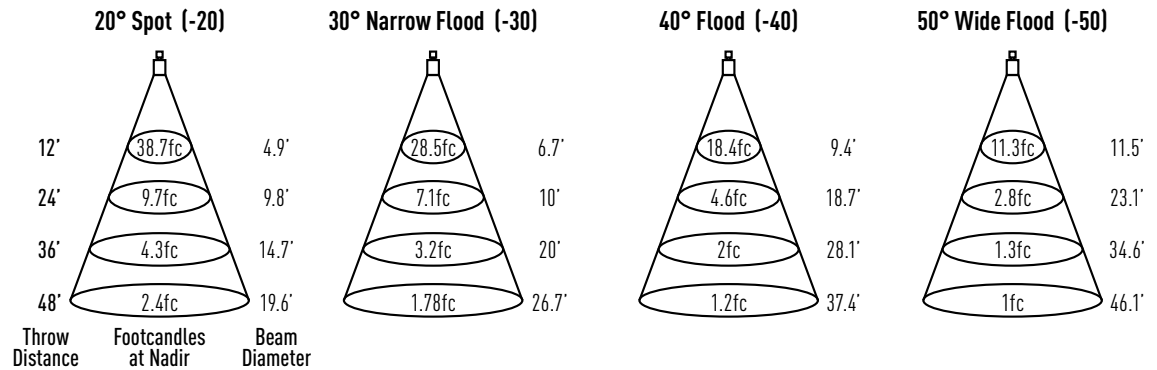
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CCT / CRI Multipliers:

2700K / 82 CRI (x 0.93)
 2700K / 92 CRI (x 0.74)
 3000K / 82 CRI (x 1.00)
 3000K / 92 CRI (x 0.79)
 3500K / 82 CRI (x 1.03)
 4000K / 82 CRI (x 1.04)

Emergency Multipliers:

7W Emergency (x 0.27)
 20W Emergency (x 0.85)



Watts: 25
 Lumens: 1714
 LPW: 69
 CCT: 3000K

Watts: 25
 Lumens: 1662
 LPW: 66
 CCT: 3000K

Watts: 25
 Lumens: 1682
 LPW: 67
 CCT: 3000K

Watts: 25
 Lumens: 1574
 LPW: 63
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	5578
5°	5164
15°	1970
25°	798
35°	245
45°	71

Candelas at Nadir

Degree	CBCP
0°	4107
5°	3889
15°	2189
25°	727
35°	321
45°	84

Candelas at Nadir

Degree	CBCP
0°	2653
5°	2535
15°	1840
25°	1078
35°	374
45°	105

Candelas at Nadir

Degree	CBCP
0°	1634
5°	1589
15°	1302
25°	879
35°	496
45°	236

IHOL-S4DSL230 / IRDS400HZ

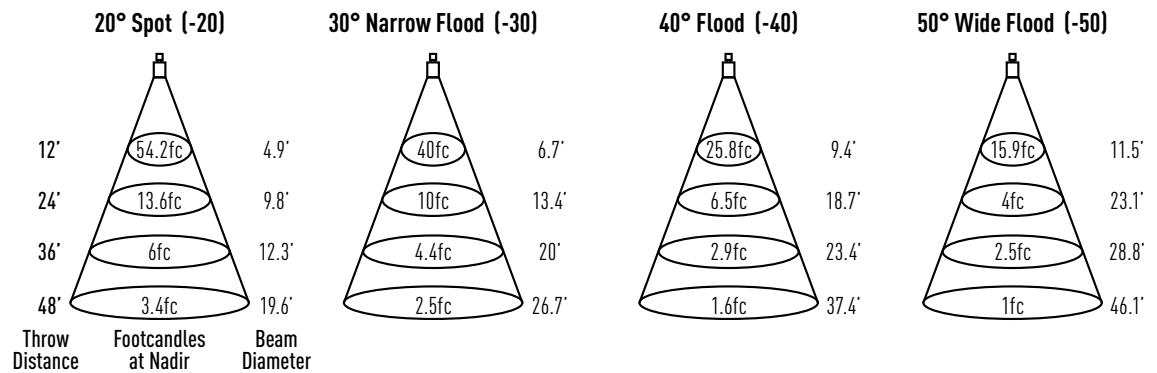
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CCT / CRI Multipliers:

2700K / 82 CRI (x 0.93)
 2700K / 92 CRI (x 0.74)
 3000K / 82 CRI (x 1.00)
 3000K / 92 CRI (x 0.79)
 3500K / 82 CRI (x 1.03)
 4000K / 82 CRI (x 1.04)

Emergency Multipliers:

7W Emergency (x 0.19)
 20W Emergency (x 0.61)



Watts: 35
 Lumens: 2399
 LPW: 69
 CCT: 3000K

Watts: 35
 Lumens: 2326
 LPW: 66
 CCT: 3000K

Watts: 35
 Lumens: 2355
 LPW: 67
 CCT: 3000K

Watts: 35
 Lumens: 2203
 LPW: 63
 CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	7809
5°	7230
15°	2758
25°	1117
35°	344
45°	99

Candelas at Nadir

Degree	CBCP
0°	5750
5°	5444
15°	3065
25°	1017
35°	449
45°	117

Candelas at Nadir

Degree	CBCP
0°	3714
5°	3550
15°	2575
25°	1510
35°	523
45°	147

Candelas at Nadir

Degree	CBCP
0°	2287
5°	2224
15°	1822
25°	1230
35°	695
45°	331

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

IHOL-S4DSL330 / IRDS400HZ

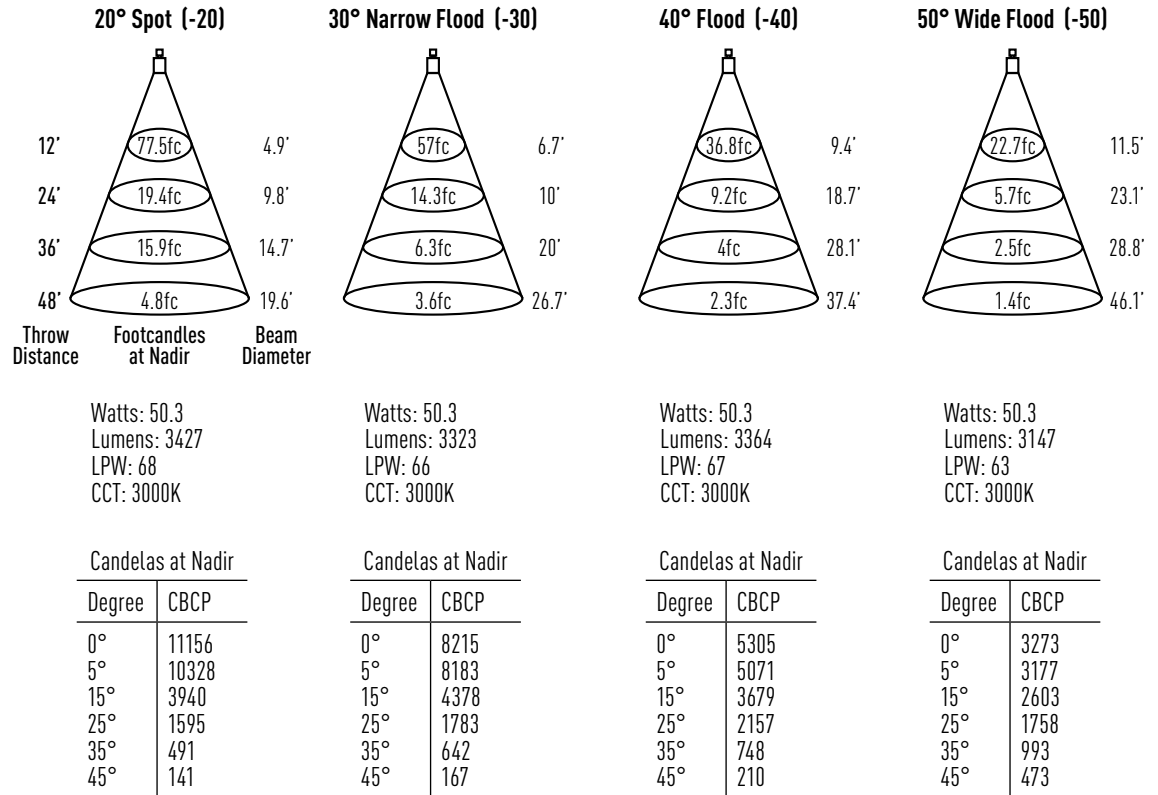
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CCT / CRI Multipliers:

2700K / 82 CRI (x 0.93)
 2700K / 92 CRI (x 0.74)
 3000K / 82 CRI (x 1.00)
 3000K / 92 CRI (x 0.79)
 3500K / 82 CRI (x 1.03)
 4000K / 82 CRI (x 1.04)

Emergency Multipliers:

7W Emergency (x 0.14)
 20W Emergency (x 0.45)



DIMMING COMPATIBILITY

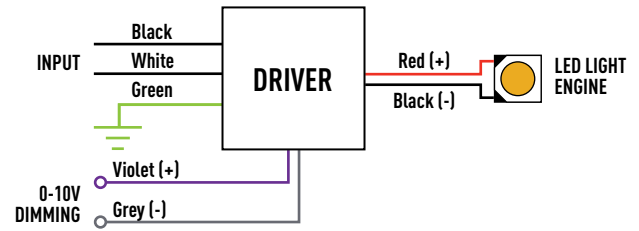
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0-10V DIMMING

- 120V/277V
- Dims down to 1% or 0.1% 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

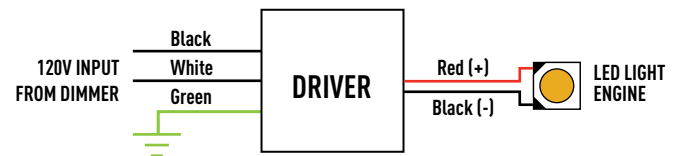


ELV DIMMING

- 120V only
- Dims down to 1%
- Consult dimming manufacturer for installation instructions

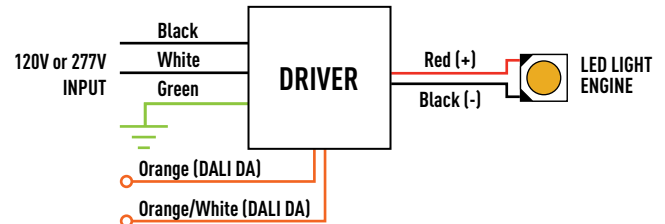
COMPATIBLE DIMMERS

Product	Part Number(s)	GRAVITY MODULE DIMS DOWN TO				
		M1	M2	L1	L2	L3
Leviton	6633-2	1%	1%	1%	1%	1%
Leviton	IPI06-1LZ	1%	1%	1%	2%	2%
Leviton	6633-P	1%	1%	1%	3%	3%
Lutron	DVCL-153P	1%	1%	1%	4%	4%
Lutron	S600P	1%	1%	1%	4%	4%
Cooper	DLC03P	3%	3%	3%	4%	4%
Cooper	DAL06P	3%	3%	3%	1%	1%
Cooper	SLC03P	1%	1%	1%	2%	2%



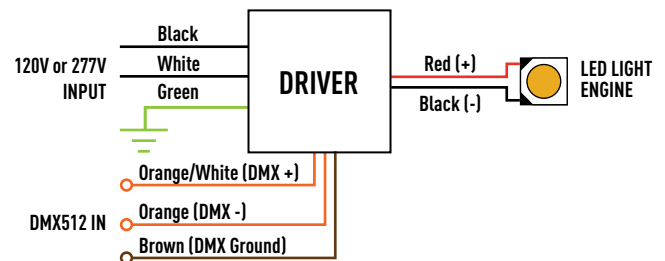
DALI DIMMING

- 120V or 277V
- Dims down to 1% or 0.1% light output



DMX512 RDM DIMMING

- 120V or 277V
- Dims down to 0.1% light output
- RDM channel programmable



DIMMING COMPATIBILITY

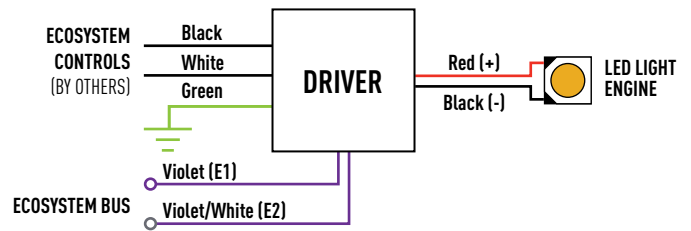
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LUTRON ECOSYSTEM® DIMMING

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

COMPATIBLE DIMMERS

AYF-103P, AYF-103P-277, DVF-103, DVF-103P-277, DVSCF-103P, DVSCF-103P-277, HQRD-F6AN-DV, LXF-103PL, LXF-103PL-277, NF-10, NF-103P, NF-103P-277, NF-10-277, NTF-10, NTF-103P, NTF-103P-277, NTF-10-277, RRD-F6AN-DV, SF-12P-277-3, SF-103P, MAF-6AM, MAF-6AM-277, MSCF-6AM, MCSF-6AM-277, MRF2-F6AN-DV, SF-10P, SF-12P-277, SPSF-6A, SPSF-6A-277, SPSF-6AM, SPSF-6AM-277, VF-10, VTF-6AM

