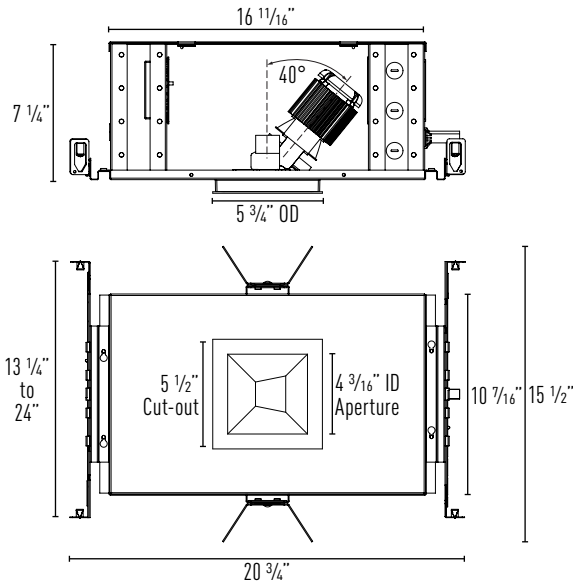




IL-ASTR / STRA300

LED Adjustable Square Trim

Adjustable Reflector



Catalog Number	Delivered Lumens ¹	System Wattage ²
IL-ASTR-L1	517 lm @ 3000K	13.5W
IL-ASTR-L2	700 lm @ 3000K	19.8W
IL-ASTR-L3	882 lm @ 3000K	27.7W
IL-ASTR-L4	1056 lm @ 3000K	31.9W

¹ Delivered lumens output will vary depending on CCT, CRI and optic selection.

² System Wattage include driver and LED Module consumption.

OPTICS

- 40° vertical adjustment
- Precise center beam optics
- Hot aiming from below finished ceiling line
- Locking vertical and horizontal aiming
- Accessory holder can hold up-to 2 media
- Available in a 16° Spot or 24° Narrow Flood

LED LIGHT ENGINE

- 2700K, 3000K, 3500K and 4100K 82 CRI
- 2700K and 3000K 92 CRI (R9 Value = 59)
- 3 Step MacAdam (3 SDMC)
- LED mounted to die-cast / extruded aluminum heat sink w/ active cooling
- 50,000 hours average rated life at 70% output
- LED light engine, SynJet and driver are all accessible from below the ceiling

THERMAL MANAGEMENT

- L3 & L4 utilizes active thermal management with quiet and reliable operation noise rating below 22dBA. 100K hour lifetime.
- L1 & L2 utilizes passive cooling

ELECTRICAL SYSTEM

- Constant current LED driver
- 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.

HOUSING

Heavy duty black powder coated .18 gauge steel frame. Standard plaster frame accommodates 5/8\"/>

TRIM SPECIFICATION

Reflector available in matte black or matte white. Architectural, discrete painted white self flange standard.

INSTALLATION

Housing types include IC Air-Tight, CCEA (Chicago Plenum), or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3\"/>

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. See submittal sheet IB-BSL17C-C2 for specifications.

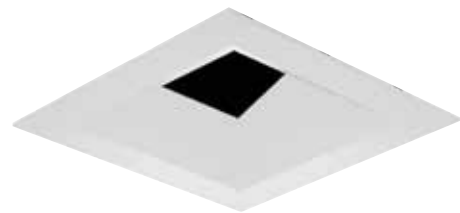
ACCESSORIES

Integral accessory holder accommodates (2) diffusion or color filters. See accessory submittal sheet for options. Accessory holder included with luminaire.

LISTING / WARRANTY

- 10 Year Intense LED Limited Warranty
- ETL listed to US and Canadian standards for damp locations
- (-AIC Only) Air Tight Certified ASTM E283
- (-AIC Only) ETL listed for direct contact w/ insulation
- (-CP Only) CCEA Chicago Plenum

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Housing Specification:

Example: IL-ASTR-NCL227D10V-16-EM

SERIES

Non-IC LED **IL-ASTR-NC**
Air Tight IC LED **IL-ASTR-AIC**
CCEA LED **IL-ASTR-CP**

LED LIGHT ENGINE

13 Watts **L1**
19 Watts **L2**
27 Watts **L3**
31 Watts **L4**

CCT / CRI

2700K / 82 CRI **27**
2700K / 92 CRI **279¹**
3000K / 82 CRI **30**
3000K / 92 CRI **309¹**
3500K / 82 CRI **35**
4100K / 82 CRI **41**

DIMMING

Non-Dimming blank
ELV Dimming **DELV²**
0-10V Dimming 10% **D10V**
eldoLED 0-10V 1% **ED10V1**
eldoLED 0-10V 0.1% **ED10V01**
Lutron Hi-Lume® 1% **LUT1**
Lutron EcoSystem® 1% **LUT**
Lutron EcoSystem® 5% **LUT5**
eldoLED DALI 1% **EDALI1**
eldoLED DALI 0.1% **EDALI01**

VOLTAGE

120V blank
277V **27**

OPTIC

16° Spot **-16**
24° Narrow Flood **-24**

ACCESSORIES

Plaster Frame up to 1\"/>

Trim Specification:

Example: RTRA300W-SF

SERIES

Square Trimmed Adjustable **STRA300**
Reflector

REFLECTOR/ TRIM

Matte Black / Self Flanged White **B-SFW**
Matte White / Self Flanged **W-SF**

Notes:

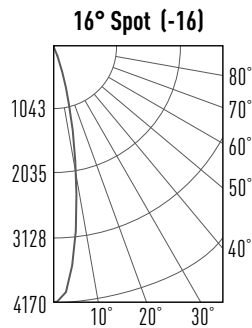
1. 97 CRI special order, consult factory
2. Available in 120V only
3. Access above ceiling required

IL-ASTR-L130 / STRA300W

Report #: L03136310 (-16)
L03136312 (-24)



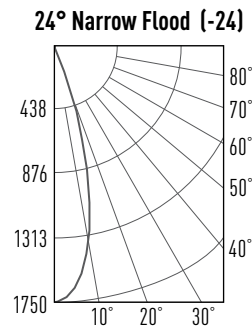
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Watts: 13.5
Lumens: 516.76
LPW: 38.27
CCT: 3221K
CRI: 82.7

Candelas at Nadir

Degree	Candela
0°	4170.28
5°	3585.92
10°	2175.92
15°	1003.78
20°	417.47
25°	56.12



Watts: 13.11
Lumens: 371.75
LPW: 28.36
CCT: 3242K
CRI: 83

Candelas at Nadir

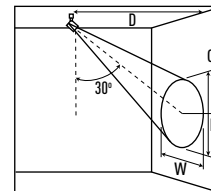
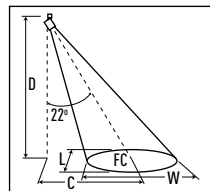
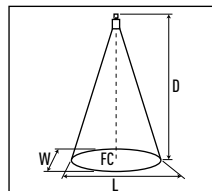
Degree	Candela
0°	1748.76
5°	1656.14
10°	1359.43
15°	848.84
20°	374.37
25°	33.42

APPLICATION DATA:

W and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

W Beam width
L Beam length
C Distance to center of beam
D Distance
FC Foot candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



FC Foot candles	0° HORIZONTAL				22° HORIZONTAL					30° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
IL-ASTR-L130-16 16° Spot	6'	116	1.72	1.82	6'	2.5	90.8	2.11	1.86	3.0'	4.25	75.1	1.61	2.92
	8'	65.2	2.31	2.43	8'	3.25	51.8	2.78	2.45	4.0'	5.75	42.2	2.15	3.9
	10'	41.7	2.87	3.04	10'	4	33.1	3.48	3.07	5.0'	7	27	2.69	4.89
	12'	29	3.44	3.65	12'	4.75	22.9	4.19	3.71	6.0'	8.5	18.8	3.22	5.86
IL-ASTR-L130-24 24° Narrow Flood	6'	48.6	2.53	2.61	6'	2.25	39.6	2.92	2.68	3.0'	3.5	40.2	2.11	3.04
	8'	27.3	3.38	3.49	8'	3	22.3	3.9	3.58	4.0'	4.75	22.6	2.81	4.07
	10'	17.5	4.23	4.36	10'	3.75	14.2	4.88	4.47	5.0'	5.75	14.5	3.48	5.08
	12'	12.1	5.07	5.24	12'	4.5	9.9	5.84	5.35	6.0'	7	10.1	4.2	6.09

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).

Stabilization time before testing exceeded 16 hours. Ambient temperature during testing was 25°C ± 1°C.

IMPRESSION L/M-2014-095 P-16

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

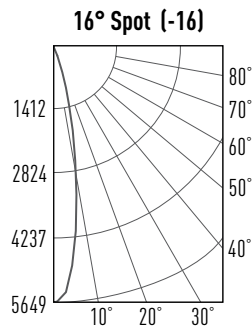
Note: Specifications and dimensions subject to change without notice.

IL-ASTR-L230 / STRA300W

Report #: L03136310 (-16)
L03136312 (-24)



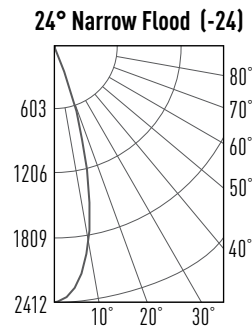
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Watts: 19.85
Lumens: 699.96
LPW: 35.26
CCT: 3250K
CRI: 82

Candelas at Nadir

Degree	Candela
0°	5648.68
5°	4857.16
10°	2947.31
15°	1359.63
20°	565.46
25°	76.01



Watts: 19.17
Lumens: 512.4
LPW: 26.73
CCT: 3215K
CRI: 82.5

Candelas at Nadir

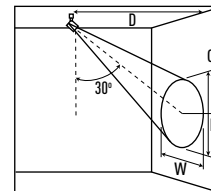
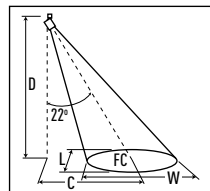
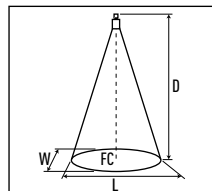
Degree	Candela
0°	2410.4
5°	2282.74
10°	1873.77
15°	1170
20°	516.01
25°	46.06

APPLICATION DATA:

W and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

W Beam width
L Beam length
C Distance to center of beam
D Distance
FC Foot candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



FC Foot candles	0° HORIZONTAL				22° HORIZONTAL					30° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
IL-ASTR-L230-16 16° Spot	6'	157	1.72	1.82	6'	2.5	123	2.11	1.86	3.0'	4.25	102	1.61	2.92
	8'	88.3	2.31	2.43	8'	3.25	70.1	2.78	2.45	4.0'	5.75	57.1	2.15	3.9
	10'	56.5	2.87	3.04	10'	4	44.9	3.48	3.07	5.0'	7	36.6	2.69	4.89
	12'	39.2	3.44	3.65	12'	4.75	31	4.19	3.71	6.0'	8.5	25.4	3.22	5.86
IL-ASTR-L230-24 24° Narrow Flood	6'	67	2.53	2.61	6'	2.25	54.5	2.92	2.68	3.0'	3.5	55.5	2.11	3.04
	8'	37.7	3.38	3.49	8'	3	30.7	3.9	3.58	4.0'	4.75	31.1	2.81	4.07
	10'	24.1	4.23	4.36	10'	3.75	19.6	4.88	4.47	5.0'	5.75	20	3.48	5.08
	12'	16.7	5.07	5.24	12'	4.5	13.6	5.84	5.35	6.0'	7	13.9	4.2	6.09

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).

Stabilization time before testing exceeded 16 hours. Ambient temperature during testing was 25°C ± 1°C.

IMPRESSION L/M-2014-095 P-17

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

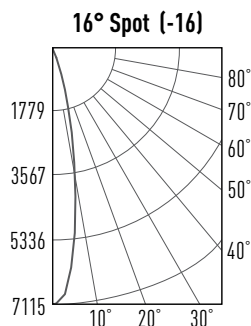
Note: Specifications and dimensions subject to change without notice.

IL-ASTR-L330 / STRA300W

Report #: L03136310 (-16)
L03136312 (-24)



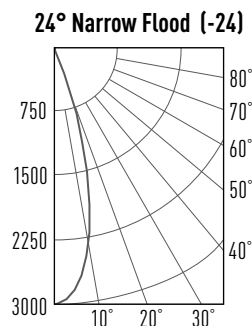
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Watts: 27.71
Lumens: 881.66
LPW: 31.82
CCT: 3333K
CRI: 82.8

Candelas at Nadir

Degree	Candela
0°	7115
5°	6118.01
10°	3712.39
15°	1712.58
20°	712.25
25°	95.75



Watts: 26.71
Lumens: 637.28
LPW: 23.86
CCT: 3194K
CRI: 82.1

Candelas at Nadir

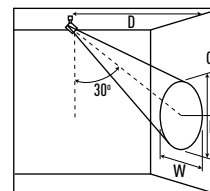
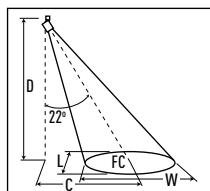
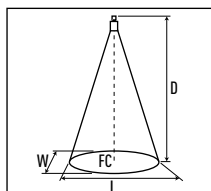
Degree	Candela
0°	2997.86
5°	2839.08
10°	2330.44
15°	1455.14
20°	641.77
25°	57.29

APPLICATION DATA:

W and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

W Beam width
L Beam length
C Distance to center of beam
D Distance
FC Foot candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



FC	Foot candles	0° HORIZONTAL				22° HORIZONTAL					30° VERTICAL				
		D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
	IL-ASTR-L330-16 16° Spot	6'	198	1.72	1.82	6'	2.5	155	2.11	1.86	3.0'	4.25	128	1.61	2.92
		8'	111	2.31	2.43	8'	3.25	88.4	2.78	2.45	4.0'	5.75	71.9	2.15	3.9
		10'	71.2	2.87	3.04	10'	4	56.5	3.48	3.07	5.0'	7	46.1	2.69	4.89
		12'	49.4	3.44	3.65	12'	4.75	39.1	4.19	3.71	6.0'	8.5	32	3.22	5.86
	IL-ASTR-L330-24 24° Narrow Flood	6'	83.3	2.53	2.61	6'	2.25	67.8	2.92	2.68	3.0'	3.5	69	2.11	3.04
		8'	46.8	3.38	3.49	8'	3	38.2	3.9	3.58	4.0'	4.75	38.7	2.81	4.07
		10'	30	4.23	4.36	10'	3.75	24.4	4.88	4.47	5.0'	5.75	24.9	3.48	5.08
		12'	20.8	5.07	5.24	12'	4.5	17	5.84	5.35	6.0'	7	17.2	4.2	6.09

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).

Stabilization time before testing exceeded 16 hours. Ambient temperature during testing was 25°C ± 1°C.

IMPRESSION L/M-2014-095 P-10

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

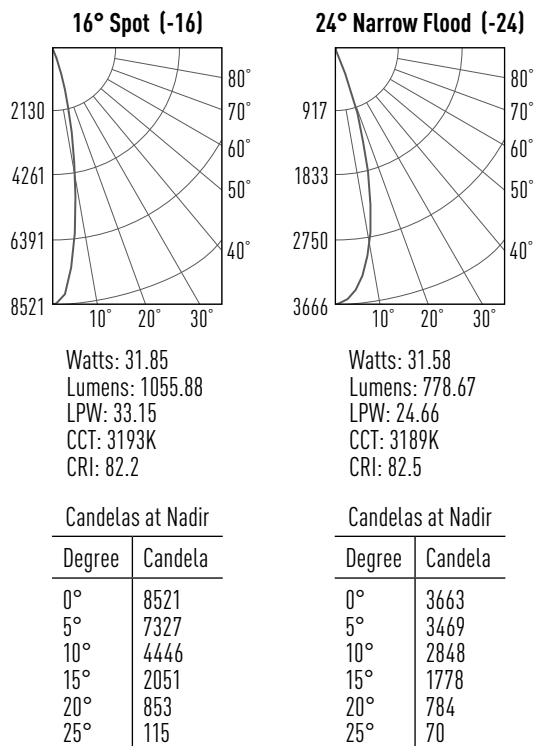
Note: Specifications and dimensions subject to change without notice.

IL-ASTR-L430 / STRA300W

Report #: L03136310 (-16)
L03136312 (-24)



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

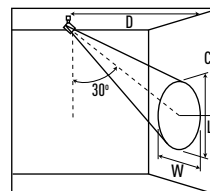
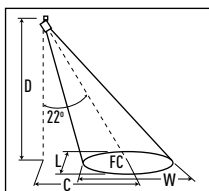
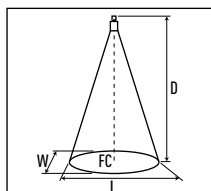


APPLICATION DATA:

W and **L** are the outer points where the candle power drops to 50% of maximum. **FC** are the initial foot candles at the center of the beam.

W Beam width
L Beam length
C Distance to center of beam
D Distance
FC Foot candles

Illuminated width & length are based upon point at which illuminance falls to 50% of center illuminance. Recommended spacing is based upon uniform illuminance aiming angle is the angle between the lamp axis and the perpendicular to the illuminated plane.



FC Foot candles	0° HORIZONTAL				22° HORIZONTAL					30° VERTICAL				
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
IL-ASTR-L430-16 16° Spot	6'	237	1.72	1.82	6'	2.5	186	2.11	1.86	3.0'	4.25	154	1.61	2.92
	8'	133	2.31	2.43	8'	3.25	106	2.78	2.45	4.0'	5.75	86.2	2.15	3.9
	10'	85.2	2.87	3.04	10'	4	67.7	3.48	3.07	5.0'	7	55.2	2.69	4.89
	12'	59.2	3.44	3.65	12'	4.75	46.8	4.19	3.71	6.0'	8.5	38.4	3.22	5.86
IL-ASTR-L430-24 24° Narrow Flood	6'	102	2.53	2.61	6'	2.25	82.9	2.92	2.68	3.0'	3.5	84.3	2.11	3.04
	8'	57.2	3.38	3.49	8'	3	46.6	3.9	3.58	4.0'	4.75	47.3	2.81	4.07
	10'	36.6	4.23	4.36	10'	3.75	29.8	4.88	4.47	5.0'	5.75	30.4	3.48	5.08
	12'	24.4	5.07	5.24	12'	4.5	20.7	5.84	5.35	6.0'	7	21.1	4.2	6.09

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).

Stabilization time before testing exceeded 16 hours. Ambient temperature during testing was 25°C ± 1°C.

IMPRESSION L/M-2014-095 P-19

Intense Lighting | 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.










Impression Accessories

Adjustable Trim Accessories

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

Impression Accessories

Catalog Number	Description
IMPRESSION ADJUSTABLE ACCESSORIES	
 PFL1-57	Prismatic Spread Lens
 PFL2-57	Linear Spread Lens
 PFL4-57	Solite Lens
 PL5-57	Amber Lens
 PL6-57	Red Lens
 PL9-57	Blue Lens
 PFLMB-57	Black Louver



DIMMING COMPATIBILITY

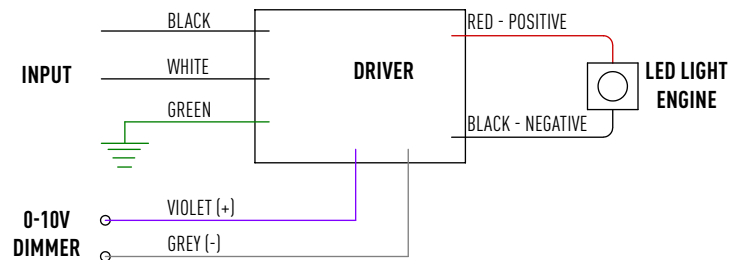
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

0-10V DIMMING (10% Dimming, eldoLED 1%, eldoLED 0.1%)

- 120V/277V
- Dims down to 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

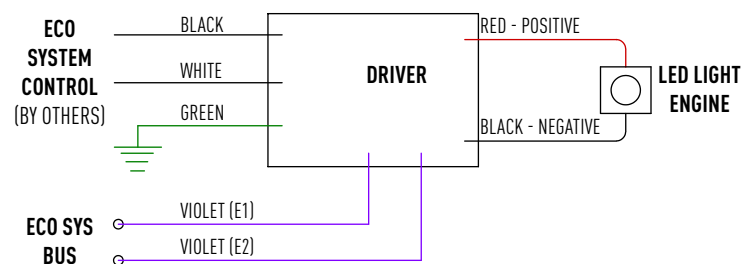


LUTRON ECOSYSTEM® DIMMING

- 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

