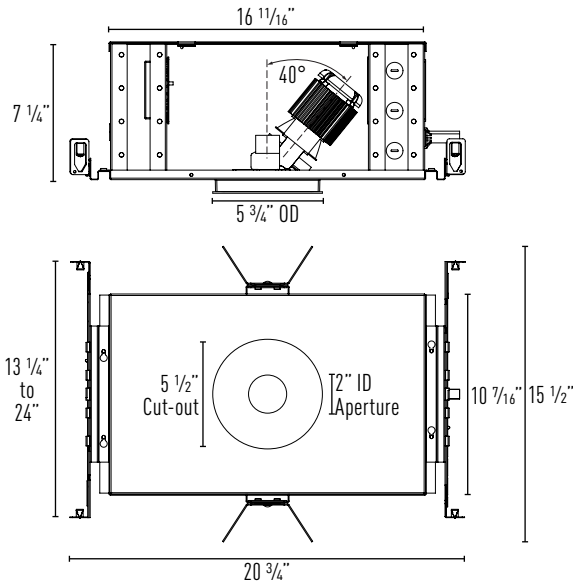




# IL-ARTR / RTRA306

LED Adjustable Round Trim  
Pinhole



Catalog Number	Delivered Lumens <sup>1</sup>	System Wattage <sup>2</sup>
IL-ARTR-L1	443 lm @ 3000K	13.2W
IL-ARTR-L2	601 lm @ 3000K	19.4W
IL-ARTR-L3	757 lm @ 3000K	27W
IL-ARTR-L4	906 lm @ 3000K	31.1W

<sup>1</sup> Delivered lumens output will vary depending on CCT, CRI and optic selection.  
<sup>2</sup> 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" ceiling thickness. Specify -1 for ceiling thickness up to 1". Junction box and driver are located on opposite ends of the housing, with easy access for maintenance and installation.

## TRIM SPECIFICATION

Architectural grade die-cast aluminum pinhole. Available in white or black finish, black interior standard.

## SURFACE™ SIMULATED NATURAL FINISHES

- Available in 12 standard wood grain powder coated finishes
- Consult factory

## 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" away from insulation. Butterfly brackets and adjustable hanger bars (14"-25") with integral nail included. Butterfly brackets are compatible with C-channel, flat bar hanger and EMT. C-channel is recommended for T-bar ceilings. C-Channel and flat C-Channel and flat bar hangers must be ordered separately.

## 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.

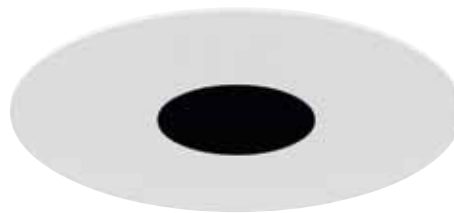
## ACCESSORIES

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-ARTR-NCL227D10V-16-EM

- SERIES**
- Non-IC LED **IL-ARTR-NC**
  - Air Tight IC LED **IL-ARTR-AIC**
  - CCEA LED **IL-ARTR-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 **279<sup>1</sup>**
- 3000K / 82 CRI **30**
- 3000K / 92 CRI **309<sup>1</sup>**
- 3500K / 82 CRI **35**
- 4100K / 82 CRI **41**

## DIMMING

- Non-Dimming **blank**
- ELV Dimming **DELV<sup>2</sup>**
- 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" **-1**
- Emergency Backup **-EM<sup>3</sup>**
- C-Channel Bar Hangers **-I100**
- Flat Bar Hangers **-I200**

## Trim Specification:

Example: RTRA306W

- SERIES**
- Round Trimmed Pinhole **RTRA306**

## FINISH

- Black **B**
- White **W**
- Surface™ **SU<sup>4</sup>**

## Notes:

1. 97 CRI special order, consult factory
2. Available in 120V only
3. Access above ceiling required
4. See Surface™ simulated natural finishes submittal sheet for specification.

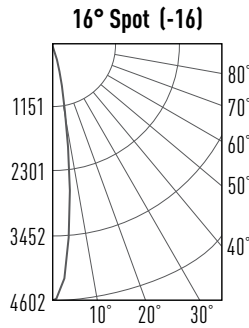




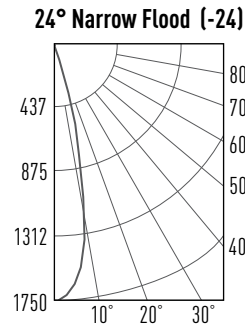
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

# IL-ARTR-L130 / RTRA306

Report #: L03136304 (-16)  
L03136306 (-24)



Watts: 13.17  
Lumens: 443.46  
LPW: 33.66



Watts: 12.79  
Lumens: 323.14  
LPW: 25.27

Candelas at Nadir

Degree	Candela
0°	4602.43
5°	3486.57
10°	1561.96
15°	521.71
20°	74.15
25°	14.19

Candelas at Nadir

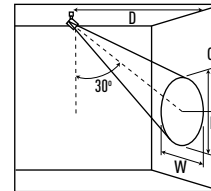
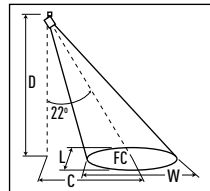
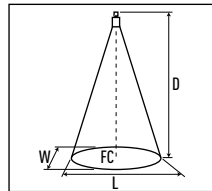
Degree	Candela
0°	1749.71
5°	1642.29
10°	1207.13
15°	567.64
20°	102.56
25°	16.23

## 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.



	0° HORIZONTAL				22° HORIZONTAL				30° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
<b>IL-ARTR-L130-16</b> <b>16° Spot</b>	6'	128	1.64	1.64	6'	2.35	103	1.89	1.75	3.0'	4.5	75.1	1.5	2.68
	8'	71.9	2.18	2.18	8'	3	57.6	2.52	2.34	4.0'	6	42.2	2	3.59
	10'	46	2.72	2.72	10'	3.75	36.9	3.13	2.93	5.0'	7.75	27	2.51	4.47
	12'	32	3.26	3.26	12'	4.75	25.6	3.77	3.51	6.0'	9.25	18.9	2.99	5.35
<b>IL-ARTR-L130-24</b> <b>24° Narrow Flood</b>	6'	48.6	2.54	2.54	6'	2	40.2	2.86	2.68	3.0'	3.75	37.5	2.03	2.88
	8'	27.3	3.38	3.38	8'	2.75	22.7	3.79	3.57	4.0'	5	21.1	2.69	3.84
	10'	17.5	4.22	4.22	10'	3.5	14.5	4.76	4.49	5.0'	6.25	13.5	3.36	4.81
	12'	12.2	5.07	5.07	12'	4	10	5.72	5.37	6.0'	7.5	9.4	4.06	5.79

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-9

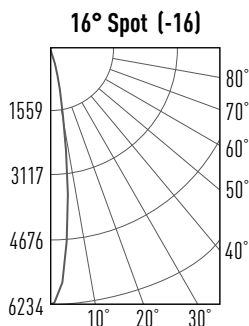




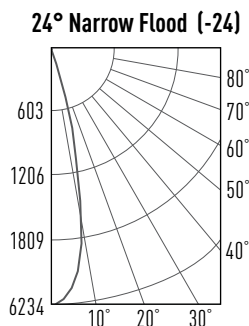
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

# IL-ARTR-L230 / RTRA306

Report #: L03136304 (-16)  
L03136306 (-24)



Watts: 19.36  
Lumens: 600.67  
LPW: 31.02



Watts: 18.7  
Lumens: 445.41  
LPW: 23.81

Candelas at Nadir

Degree	Candela
0°	6234.03
5°	4722.59
10°	2115.69
15°	706.67
20°	100.43
25°	19.22

Candelas at Nadir

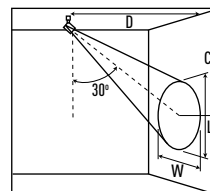
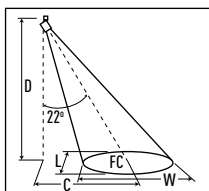
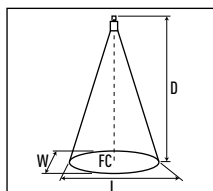
Degree	Candela
0°	2411.72
5°	2263.66
10°	1663.86
15°	782.41
20°	141.37
25°	22.37

## 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.



	0° HORIZONTAL				22° HORIZONTAL				30° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
<b>IL-ARTR-L230-16</b> <b>16° Spot</b>	6'	173	1.64	1.64	6'	2.35	139	1.89	1.75	3.0'	4.5	102	1.5	2.68
	8'	97.4	2.18	2.18	8'	3	78.1	2.52	2.34	4.0'	6	57.2	2	3.59
	10'	62.3	2.72	2.72	10'	3.75	50	3.13	2.93	5.0'	7.75	36.6	2.51	4.47
	12'	43.3	3.26	3.26	12'	4.75	34.7	3.77	3.51	6.0'	9.25	25.6	2.99	5.35
<b>IL-ARTR-L230-24</b> <b>24° Narrow Flood</b>	6'	67	2.54	2.54	6'	2	55.4	2.86	2.68	3.0'	3.75	51.7	2.03	2.88
	8'	37.7	3.38	3.38	8'	2.75	31.2	3.79	3.57	4.0'	5	29.1	2.69	3.84
	10'	24.1	4.22	4.22	10'	3.5	19.9	4.76	4.49	5.0'	6.25	18.6	3.36	4.81
	12'	16.7	5.07	5.07	12'	4	13.8	5.72	5.37	6.0'	7.5	12.9	4.06	5.79

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

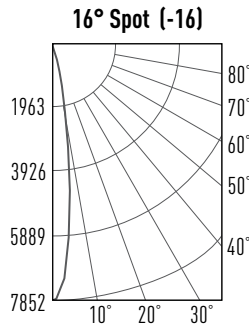




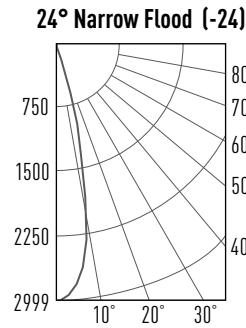
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

# IL-ARTR-L330 / RTRA306

Report #: L03136304 (-16)  
L03136306 (-24)



Watts: 27.03  
Lumens: 756.59  
LPW: 27.99



Watts: 26.06  
Lumens: 55.96  
LPW: 21.26

Candelas at Nadir

Degree	Candela
0°	7852.3
5°	5948.51
10°	2664.89
15°	890.11
20°	126.5
25°	24.22

Candelas at Nadir

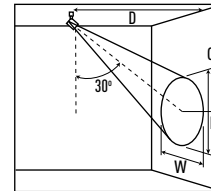
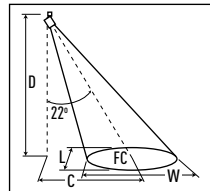
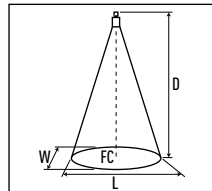
Degree	Candela
0°	2999.49
5°	2815.35
10°	2069.36
15°	973.1
20°	175.82
25°	27.83

## 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.



	0° HORIZONTAL				22° HORIZONTAL				30° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
<b>IL-ARTR-L330-16</b> <b>16° Spot</b>	6'	218	1.64	1.64	6'	2.35	175	1.89	1.75	3.0'	4.5	128	1.5	2.68
	8'	123	2.18	2.18	8'	3	98.3	2.52	2.34	4.0'	6	72.1	2	3.59
	10'	78.5	2.72	2.72	10'	3.75	62.9	3.13	2.93	5.0'	7.75	46.1	2.51	4.47
	12'	54.5	3.26	3.26	12'	4.75	43.7	3.77	3.51	6.0'	9.25	32.2	2.99	5.35
<b>IL-ARTR-L330-24</b> <b>24° Narrow Flood</b>	6'	83.3	2.54	2.54	6'	2	68.9	2.86	2.68	3.0'	3.75	64.3	2.03	2.88
	8'	46.9	3.38	3.38	8'	2.75	38.8	3.79	3.57	4.0'	5	36.1	2.69	3.84
	10'	30	4.22	4.22	10'	3.5	24.8	4.76	4.49	5.0'	6.25	23.1	3.36	4.81
	12'	20.8	5.07	5.07	12'	4	17.2	5.72	5.37	6.0'	7.5	16.1	4.06	5.79

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-11



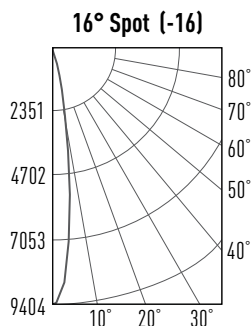


# IL-ARTR-L430 / RTRA306

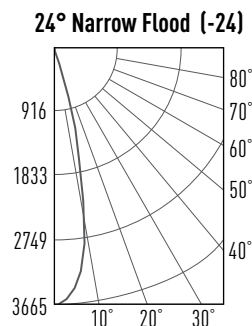
Report #: L03136304 (-16)  
L03136306 (-24)



JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Watts: 31.07  
Lumens: 906.1  
LPW: 29.16



Watts: 30.81  
Lumens: 676.87  
LPW: 21.97

**Candelas at Nadir**

Degree	Candela
0°	9404
5°	7124
10°	3192
15°	1066
20°	152
25°	29

**Candelas at Nadir**

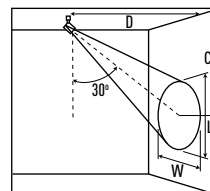
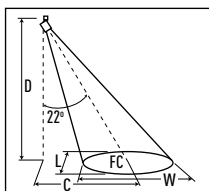
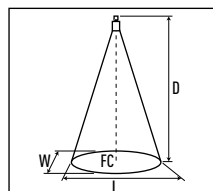
Degree	Candela
0°	3665
5°	3440
10°	2529
15°	1189
20°	215
25°	34

**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.



	0° HORIZONTAL				22° HORIZONTAL				30° VERTICAL					
	D	FC	W	L	D	C	FC	W	L	D	C	FC	W	L
<b>IL-ARTR-L430-16</b> <b>16° Spot</b>	6'	261	1.64	1.64	6'	2.35	209	1.89	1.75	3.0'	4.5	154	1.5	2.68
	8'	147	2.18	2.18	8'	3	118	2.52	2.34	4.0'	6	86.3	2	3.59
	10'	94	2.72	2.72	10'	3.75	75.4	3.13	2.93	5.0'	7.75	55.2	2.51	4.47
	12'	65.3	3.26	3.26	12'	4.75	52.4	3.77	3.51	6.0'	9.25	38.6	2.99	5.35
<b>IL-ARTR-L430-24</b> <b>24° Narrow Flood</b>	6'	102	2.54	2.54	6'	2	84.2	2.86	2.68	3.0'	3.75	78.5	2.03	2.88
	8'	57.3	3.38	3.38	8'	2.75	47.5	3.79	3.57	4.0'	5	44.2	2.69	3.84
	10'	36.6	4.22	4.22	10'	3.5	30.3	4.76	4.49	5.0'	6.25	28.3	3.36	4.81
	12'	25.5	5.07	5.07	12'	4	21	5.72	5.37	6.0'	7.5	19.6	4.06	5.79

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-12





# Impression Accessories

Adjustable Trim Accessories

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## Impression Accessories

Catalog Number	Description
----------------	-------------



### IMPRESSION ADJUSTABLE ACCESSORIES

<b>PFL1-57</b>	Prismatic Spread Lens
<b>PFL2-57</b>	Linear Spread Lens
<b>PFL4-57</b>	Solite Lens
<b>PL5-57</b>	Amber Lens
<b>PL6-57</b>	Red Lens
<b>PL9-57</b>	Blue Lens
<b>PFLMB-57</b>	Black Louver



# DIMMING COMPATIBILITY

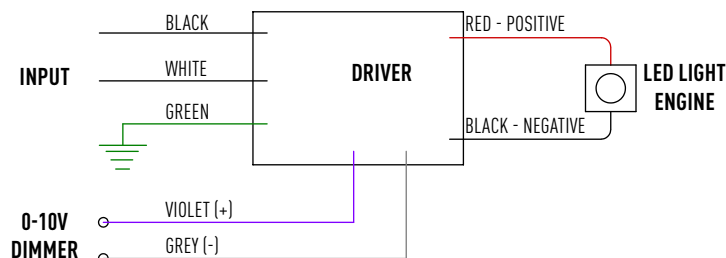
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

## 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

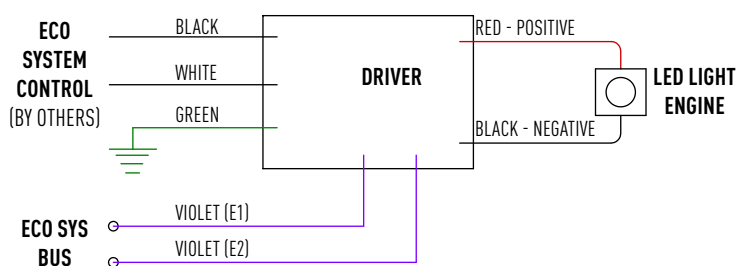


## LUTRON ECOSYSTEM® DIMMING

- 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

