

Project Name:

Part Number:

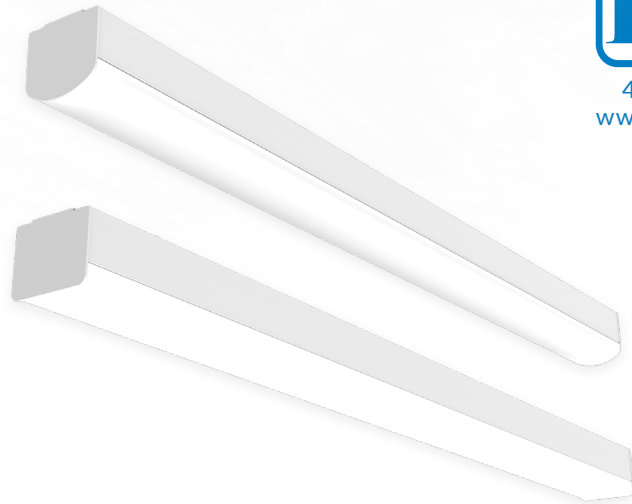
Type:

# DISCOVERY

## LINEAR STRIP



407-478-3759  
www.ilp-inc.com



### FEATURES

- Highly Configurable BAA Spec Grade Strip Luminaire
- Sleek injection-molded endcap design
  - Decorative No Knockout end cap option
- No visible fasteners providing a smooth uninterrupted design
- Precision Designed Low UGR Curved & Flat Frosted Acrylic Lens options
- High Performance Narrow or Wide Distribution Optics
- White (Std.) and optional Black, Silver, or Custom Finishes
- Surface, Cable, Suspension, Pendant, & Wall Mounting Options
- Asymmetrical & Symmetrical White Reflector Options
- 2ft, 4ft & 8ft Lengths available
- 18 Lumen Packages Ranging 2,000L - 20,000L
- Standard Efficacy (SE) and High Efficacy (HE) Lumen Packages
- 3000K, 3500K, 4000K, and 5000K CCT options available
- 80 or 90 CRI
- 120-277V Driver
- 0-10V Dimmable Driver (100% -10%)
- L90>54,000 hrs
- -4°F to 122°F Ambient Temperature Range
- 5 Year Warranty (std); 10 Year Warranty Optional
- ETL Listed for Dry and Damp Locations
- Build America Buy America (BABA) Compliant



\*Optional

### SUITABLE APPLICATIONS

- Offices
- Education
- Storage Facility
- Garages
- Retail
- Warehouses
- Distribution Centers
- Grocery Stores
- Healthcare
- Hallways

### ORDERING GUIDE:

SERIES	LUMENS	LIGHT ENGINE	DRIVER	80CRI/CCT	LENS OPTIONS	DISTRIBUTION	FINISH	END CAP	WARRANTY	COMPLIANCE
DSC2 <sup>1</sup>	2L	SE <sup>2</sup>	U	50 5000K	FFLGR	(BLANK)	(BLANK)	(BLANK)	(BLANK)	BABA
2' Discovery	3L	Standard Efficacy	120-277V	40 4000K	Frosted Flat	Wide	White	End Cap w/ Knockout	5 Year	Build America
	4L	HE		35 3500K	Glare Reducing Lens	ND <sup>3</sup>	BLK <sup>4,5</sup>	NEKO	10YR	Buy America
		High Efficacy		30 3000K	FCLGR	Narrow	Black	End Cap w/o Knockout	10 Year	Compliant
DSC4	2L				Frosted Curved		SLV <sup>4,5</sup>			
	4' Discovery	3L			Glare Reducing Lens		Silver			
		4L					C <sup>4,5</sup>			
		6L					Custom			
		8L <sup>1</sup>								
		10L <sup>1,11</sup>								
DSC8	5L									
	8' Discovery	6L								
		8L								
		10L								
		12L								
		14L <sup>1</sup>								
		16L <sup>1</sup>								
		20L <sup>1</sup>								

#### OPTIONS

##### Factory Installed

Cx/yW	Cord (x=Length;6,10,15) (y=# of conductors; 3,4,5,6)
Cx/3W/L715P	3 Wire factory installed cord with a L715P plug attached (x=Length; 6,10)
QDx/yW	Quick Disconnect Cord (x=Length; 6,10,15) (y=# of conductors; 3,4,5,6)
RW/3W <sup>6,7</sup>	3 Wire Raceway Wiring Harness for continuous wiring through fixture (non-dimming)
RW/5W <sup>6,7</sup>	5 Wire Raceway Wiring Harness for continuous wiring through fixture (dimming)

##### Ship with Accessories

+DSCx WC <sup>8</sup>	11ga Unpainted Galvanized Finish Wire Cage (X=2, 4, 8)
FMB <sup>8</sup>	Fixture Mounting Box
HUB 3/4" <sup>10</sup>	Conduit Hub 3/4" for pendant mounting
ACX <sup>12</sup>	Y-Toggle Aircraft Cable System (x=ft)
VC	V-Clips for Mounting with Customer Supplied Chain
+DSC TGMB	T-Grid Mounting Bracket Set
+DSC WMB 45DEG	45 Degree Angled Mounting Bracket Set
+DSC-ALBR <sup>6</sup>	Continuous Row Alignment Bracket
+DSC-QMBR	Quick Surface Mounting Bracket Set
+DSCx RS	Reflector Kit, Symmetrical, White (x=2, 4, 8)
+DSCx RA	Reflector Kit, Aymmetrical, White (x=2, 4, 8)

<sup>1</sup> Only available with High Efficacy Option

<sup>2</sup> Not available with DSC2 models

<sup>3</sup> Not available with lens

<sup>4</sup> May reduce published performance; consult factory

<sup>5</sup> May reduce max ambient; consult factory

<sup>6</sup> Used only when mounting fixtures in continuous rows. One needed between each fixture.

<sup>7</sup> Not compatible with NEKO option. Wired through end cap of fixture.

<sup>8</sup> Must be used with HUB for single point mounting for 4ft models. 8ft models must be dual point mounted.

<sup>9</sup> One required per 4ft section

<sup>10</sup> Must be used with FMB

<sup>11</sup> Operation down to 32°F

<sup>12</sup> Not BABA compliant

LED SYSTEMS INFO <sup>1</sup>		Light Engine	Lens	3000K		3500K		4000K		5000K		Wattage <sup>2</sup>	Replaces	CRI	DLC Listing <sup>3</sup>
Part Numbers				Lumens	lm/W	Lumens	lm/W	Lumens	lm/W	Lumens	lm/W				
DSC2-2L	HE	FFLGR	2255	143	2294	146	2332	148	2409	153	16	1T8	80	Standard	
		FCLGR	2282	145	2321	148	2360	150	2438	155				Standard	
DSC2-3L	HE	FFLGR	2949	151	3000	154	3050	156	3151	162	19	2T8	80	Standard	
		FCLGR	2984	153	3035	156	3086	158	3188	164				Standard	
DSC2-4L	HE	FFLGR	3852	147	3918	149	3983	152	4115	157	26	2T8	80	Standard	
		FCLGR	3897	149	3964	151	4031	154	4164	159				Standard	
DSC4-2L	HE	FFLGR	2602	159	2646	162	2691	164	2780	170	16	1T8	80	Premium	
		FCLGR	2633	161	2678	163	2723	166	2813	172				Standard	
	SE	FFLGR	2611	148	2652	151	2693	153	2775	158	18		80	Standard	
		FCLGR	2562	146	2602	148	2642	151	2723	155			Premium		
DSC4-3L	HE	FFLGR	3051	152	3103	155	3155	157	3260	162	20	2T8	80	Premium	
		FCLGR	3009	150	3060	153	3112	155	3215	160				Standard	
	SE	FFLGR	3143	140	3192	142	3242	144	3340	149	22		80	Standard	
		FCLGR	3112	138	3161	141	3210	143	3235	147			Premium		
DSC4-4L	HE	FFLGR	4533	149	4611	151	4689	154	4844	159	30	2T8	80	Premium	
		FCLGR	4587	151	4666	153	4744	156	4901	161				Premium	
	SE	FFLGR	4436	131	4506	133	4576	135	4715	139	34		80	Premium	
		FCLGR	4395	129	4464	131	4532	133	4670	138			Standard		
DSC4-6L	HE	FFLGR	6270	154	6377	156	6485	159	6699	164	41	3T8	80	Premium	
		FCLGR	6278	152	6385	155	6493	157	6708	162				Premium	
	SE	FFLGR	5985	143	6087	145	6190	147	6395	152	42		80	Premium	
		FCLGR	6056	144	6160	147	6263	149	6471	154			Premium		
DSC4-8L	HE	FFLGR	8953	150	9107	153	9260	155	9566	161	60	2T5HO	80	Premium	
		FCLGR	9060	152	9215	155	9370	157	9680	162				Premium	
DSC4-10L	HE	FFLGR	9776	136	9943	139	10111	141	10445	146	72	3T5HO	80	Premium	
		FCLGR	9836	137	10067	140	10236	143	10575	147				Premium	
DSC8-5L	HE	FFLGR	4891	156	4975	159	5058	162	5226	167	31	2T8	80	Premium	
		FCLGR	4949	158	5034	161	5118	164	5288	169				Premium	
	SE	FFLGR	5101	147	5181	149	5261	152	5421	156	35		80	Premium	
		FCLGR	5053	146	5132	148	5211	150	5370	155			Premium		
DSC8-6L	HE	FFLGR	6151	155	6257	158	6362	161	6572	166	40	4T8	80	Premium	
		FCLGR	6224	157	6331	160	6437	163	6650	168				Premium	
	SE	FFLGR	6412	142	6512	145	6613	147	6814	151	45		80	Premium	
		FCLGR	6351	141	6451	143	6550	145	6749	150			Premium		
DSC8-8L	HE	FFLGR	8879	149	9031	152	9183	154	9487	159	60	2T5HO	80	Premium	
		FCLGR	8985	151	9138	154	9292	156	9599	161				Premium	
	SE	FFLGR	8229	137	8358	139	8487	141	8745	146	60		80	Standard	
		FCLGR	8151	136	8279	138	8407	140	8662	144			Standard		
DSC8-10L	HE	FFLGR	10786	154	10971	157	11155	159	11524	164	70	2T5HO	80	Premium	
		FCLGR	10914	156	11101	158	11288	161	11661	166				Premium	
	SE	FFLGR	10104	141	10277	143	10450	146	10796	150	72		80	Premium	
		FCLGR	10225	142	10399	145	10574	147	10924	152			Premium		
DSC8-12L	HE	FFLGR	12205	148	12414	150	12623	153	13040	158	83	6T8	80	Premium	
		FCLGR	12350	150	12561	152	12773	155	13195	160				Premium	
	SE	FFLGR	12915	136	13136	138	13357	140	13799	145	95		80	Premium	
		FCLGR	13069	137	13292	140	13516	142	13963	147			Premium		
DSC8-14L	HE	FFLGR	13112	144	13336	146	13561	149	14009	154	91	6T8	80	Premium	
		FCLGR	13268	146	13495	148	13722	151	14176	156				Premium	
DSC8-16L	HE	FFLGR	14993	142	15250	145	15506	147	16019	152	105	4T5HO	80	Premium	
		FCLGR	15171	144	15431	146	15691	149	16210	154				Premium	
DSC8-20L	HE	FFLGR	19635	137	19971	139	20307	142	20979	146	143	6T5HO	80	Premium	
		FCLGR	19868	139	20208	141	20548	143	21228	148				Premium	

<sup>1</sup> Values are nominal, check IES file for more detail

<sup>2</sup> Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

<sup>3</sup> All SKUs may not be DLC listed, check QPL

### ELECTRICAL DATA (AMPS)

Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
DSC2-2LHE	15.7	0.13	0.08	0.07	0.06	0.05	0.03
DSC2-3LHE	19.5	0.16	0.09	0.08	0.07	0.06	0.04
DSC2-4LHE	26.2	0.22	0.13	0.11	0.09	0.08	0.05
DSC4-2LHE	16.4	0.14	0.08	0.07	0.06	0.05	0.03
DSC4-2LSE	17.6	0.15	0.08	0.07	0.06	0.05	0.04
DSC4-3LHE	20.1	0.17	0.10	0.08	0.07	0.06	0.04
DSC4-3LSE	22.0	0.18	0.11	0.09	0.08	0.06	0.05
DSC4-4LHE	30.4	0.25	0.15	0.13	0.11	0.09	0.06
DSC4-4LSE	34.0	0.28	0.16	0.14	0.12	0.10	0.07
DSC4-6LHE	40.8	0.34	0.20	0.17	0.15	0.12	0.09
DSC4-6LSE	42.0	0.35	0.20	0.17	0.15	0.12	0.09
DSC4-8LHE	59.6	0.50	0.29	0.25	0.22	0.17	0.12
DSC4-10LHE	71.8	0.60	0.35	0.30	0.26	0.21	0.15
DSC8-5LHE	31.3	0.26	0.15	0.13	0.11	0.09	0.07
DSC8-5LSE	34.7	0.29	0.17	0.14	0.13	0.10	0.07
DSC8-6LHE	39.6	0.33	0.19	0.17	0.14	0.11	0.08
DSC8-6LSE	45.1	0.38	0.22	0.19	0.16	0.13	0.09
DSC8-8LHE	59.5	0.50	0.29	0.25	0.21	0.17	0.12
DSC8-8LSE	60.1	0.50	0.29	0.25	0.22	0.17	0.13
DSC8-10LHE	70.1	0.58	0.34	0.29	0.25	0.20	0.15
DSC8-10LSE	71.8	0.60	0.35	0.30	0.26	0.21	0.15
DSC8-12LHE	82.5	0.69	0.40	0.34	0.30	0.24	0.17
DSC8-12LSE	95.2	0.79	0.46	0.40	0.34	0.27	0.20
DSC8-14LHE	91.1	0.76	0.44	0.38	0.33	0.26	0.19
DSC8-16LHE	105.5	0.88	0.51	0.44	0.38	0.30	0.22
DSC8-18LHE	119.6	1.00	0.58	0.50	0.43	0.34	0.25
DSC8-20LHE	143.5	1.20	0.69	0.60	0.52	0.41	0.30

<sup>1</sup> Electrical data at 25C (77F). Actual wattage may differ by +/-10%

### AMBIENT TEMPERATURE RANGE

Part Number	Suspended	Surface
DSC2-2LHE	113	104
DSC2-3LHE	113	104
DSC2-4LHE	113	104
DSC4-2LHE	113	104
DSC4-3LHE	113	104
DSC4-4LHE	113	104
DSC4-6LHE	104	95
DSC4-8LHE	113	104
DSC4-10LHE	104	95
DSC8-5LHE	113	104
DSC8-6LHE	104	95
DSC8-8LHE	113	104
DSC8-10LHE	104	95
DSC8-12LHE	104	95
DSC8-14LHE	122	113
DSC8-16LHE	113	104
DSC8-18LHE	95	86
DSC8-20LHE	104	95
DSC4-2LSE	113	104
DSC4-3LSE	113	104
DSC4-4LSE	113	104
DSC4-6LSE	104	95
DSC8-5LSE	104	95
DSC8-6LSE	131	122
DSC8-8LSE	113	104
DSC8-10LSE	104	95
DSC8-12LSE	113	104

## SPECIFICATIONS

### CONSTRUCTION

Steel housing body for rigidity, durability, and ease of installation. Designed to achieve maximum performance and improved aesthetics. Injection molded end caps provide sleek and robust design. End caps available with knockouts or No End Cap Knockout Options (NEKO). Power access plate mounted on back of fixture for easy access to wiring in addition to various knockouts along back of fixture. Product proudly assembled in the United States of America.

### ELECTRICAL

Class 2 LED light engine for high efficacy and long life. Calculated L70 > 100,000 hrs and L90 > 54,000hrs. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient. Power Factor > 0.90. THD < 20%. Standard 120-277 Vac 0-10V dimmable (10%-100%) with optional 347 Vac High Voltage, Bi-Level, 1% Dimming, and 120V Line Voltage Dimming Options.

### INSTALLATION

Designed for a variety of mounting solutions including ceiling, wall, pendant and suspended. Fixtures can be mounted in continuous rows with appropriate hardware and wiring options. Knockouts mounted on back and end of fixture for electrical access and mounting.

### OPTICS

High impact resistant Curved and Flat Frosted Glare Reducing Acrylic lens available for durability and LED Glare reduction. Standard wide and optional narrow distribution optics available. Field removable lens section for easy access to driver channel for installation and maintenance.

### CERTIFICATIONS

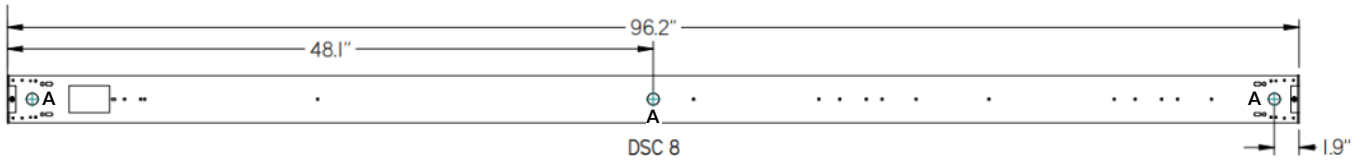
ETL Listed to US and Canadian safety standards. Suitable for damp locations. Title 24 Compliant with sensor option; see local ordinance for qualification information. BABA Compliant. DLC (DesignLights Consortium) Premium Qualified. Please refer to the DLC Qualified Products List at [www. Designlights.org/QPL](http://www.Designlights.org/QPL) to confirm specific product qualifications.

### WARRANTY

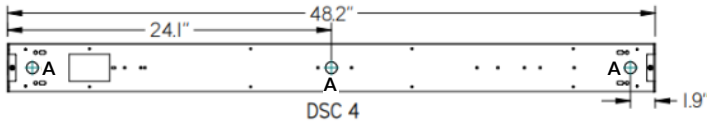
5 Year Warranty Standard; 10 Year Warranty Optional ([Terms and Conditions](#) apply).

### LINE DRAWINGS A - Knockout Locations

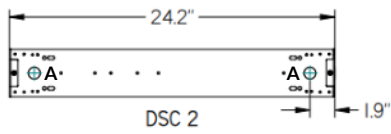
DSC 8: 96.2"



DSC 4: 48.2"

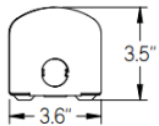


DSC 2: 24.2"

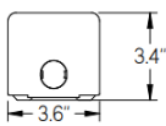


### DSC - End Caps

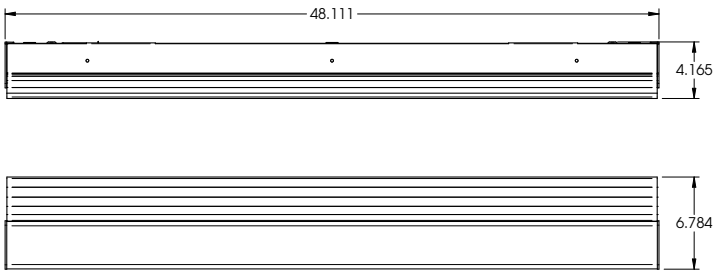
Curved Lens  
Side View



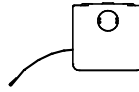
Flat Lens  
Side View



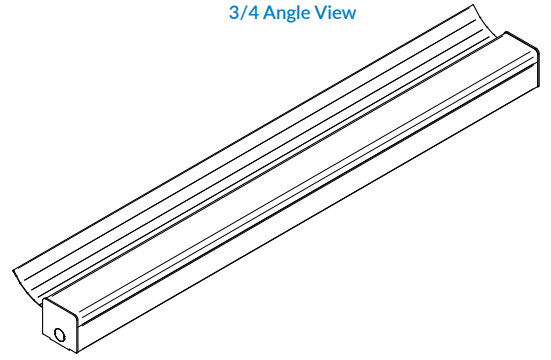
DSC 4: 48.2" - With RA Reflector Option



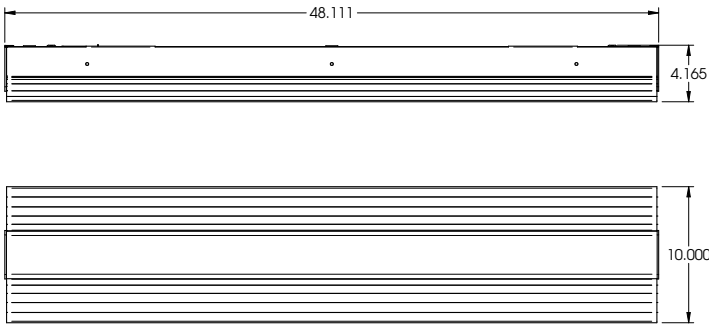
End Cap View



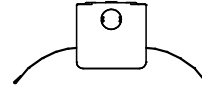
3/4 Angle View



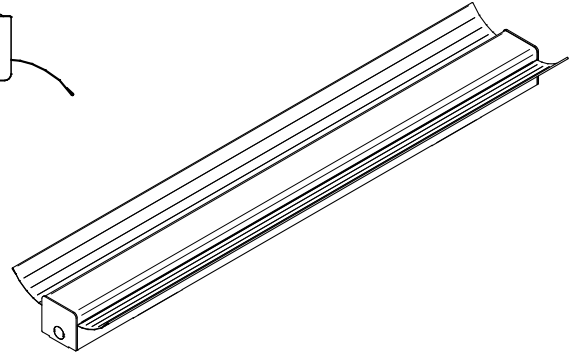
DSC 4: 48.2" - With RS Reflector Option



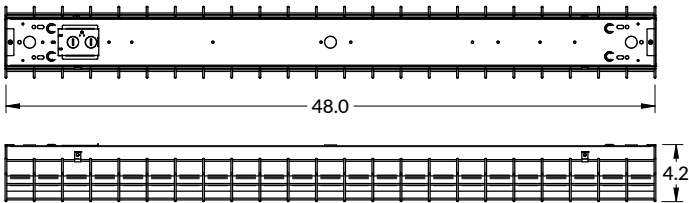
End Cap View



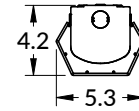
3/4 Angle View



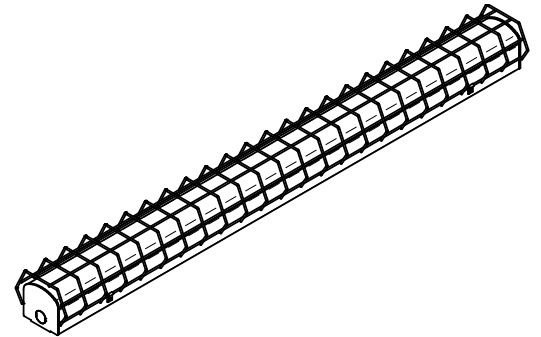
DSC 4 Curved Lens: 48.2" - With Wire Cage Option



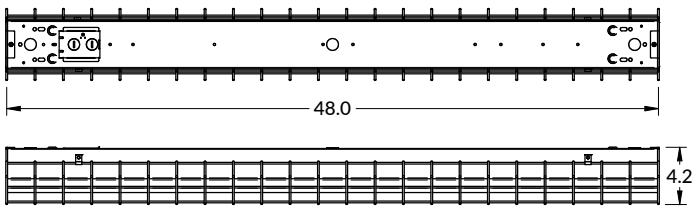
End Cap View



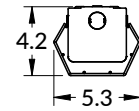
3/4 Angle View



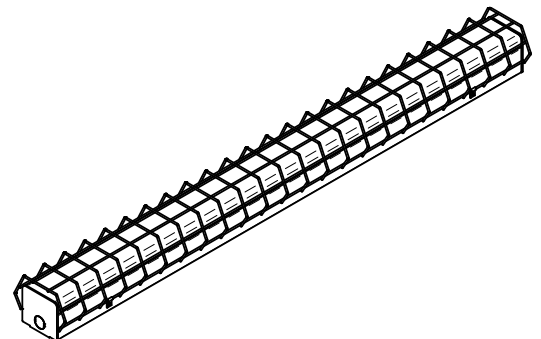
DSC 4 Flat Lens: 48.2" - With Wire Cage Option



End Cap View



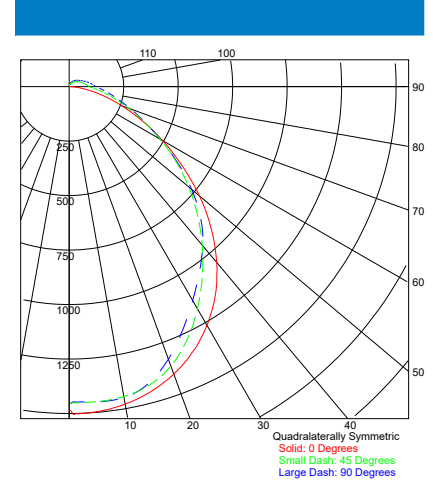
3/4 Angle View



## LINEAR STRIP PHOTOMETRICS

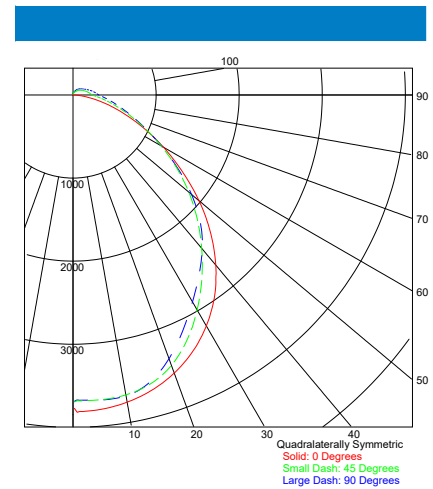
LUMINAIRE DATA	
Part Number	DSC2-4LHE-U-40-FFLGR
Description	2ft Linear Strip, High Efficiency, 4,000 Lumens, 4000K, Frosted Flat Glare Reducing Lens
Fixture Lumens (lm)	3983 Lumens
Wattage (W)	26 W
Efficacy (lm/W)	149 lm/W
Mounting	Surface
Spacing Criteria	0° = 1.28, 90° = 1.18

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1809	45%
0° - 60°	3015	78%
0° - 90°	3734	99%
90° - 180°	249	1%
0° - 180°	3983	100%



LUMINAIRE DATA	
Part Number	DSC4-10LHE-U-40-FFLGR
Description	4ft Linear Strip, High Efficiency, 10,000 Lumens, 4000K, Frosted Flat Glare Reducing Lens
Fixture Lumens (lm)	10111 Lumens
Wattage (W)	72 W
Efficacy (lm/W)	141 lm/W
Mounting	Surface
Spacing Criteria	0° = 1.28, 90° = 1.18

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	4592	45%
0° - 60°	7653	78%
0° - 90°	9479	99%
90° - 180°	632	1%
0° - 180°	10111	100%



LUMINAIRE DATA	
Part Number	DSC8-20LHE-U-40-FFLGR
Description	8ft Linear Strip, High Efficiency, 20,000 Lumens, 4000K, Frosted Flat Glare Reducing Lens
Fixture Lumens (lm)	20307 Lumens
Wattage (W)	143 W
Efficacy (lm/W)	142 lm/W
Mounting	Surface
Spacing Criteria	0° = 1.28, 90° = 1.18

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	9223	45%
0° - 60°	15371	78%
0° - 90°	19037	99%
90° - 180°	1269	1%
0° - 180°	20307	100%

