

Project Name:

Part Number:

Type:

DISCOVERY

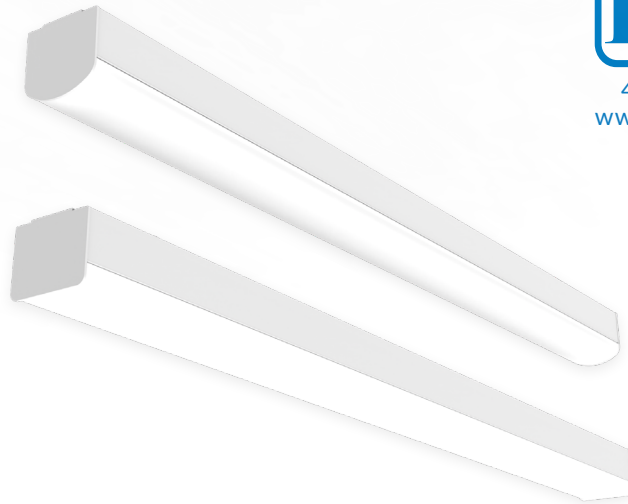
LINEAR STRIP



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 - IK06 Impact Rate
- 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
- 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	2L	HE	U	50 5000K	FFL Frosted Flat Lens	(BLANK)	(BLANK)	(BLANK)	(BLANK)	BABA
2' Discovery	3L	High Efficacy	120-277V	40 4000K	FCL Frosted Curved Lens	Wide	White	End Cap w/Knockout	5 Year	Build America
	4L			Narrow		BLK ^{3,4}	NEKO	10YR	Buy America	
DSC4 4' Discovery	2L			30 3000K	FFLGR Frosted Flat Glare Reducing Lens		SLV ^{3,4}	End Cap w/o Knockout	10 Year	Compliant
	3L			Silver						
	4L			C ^{3,4}						
	6L			Custom						
	8L									
DSC8 8' Discovery	10L ⁹									
	5L									
	6L									
	8L									
	10L									
	12L									
	14L ¹²									
	16L ¹²									
	20L ¹²									

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 ^{5,6}	3 Wire Raceway Wiring Harness for continuous wiring through fixture (non-dimming)
RW/5W ^{5,6}	5 Wire Raceway Wiring Harness for continuous wiring through fixture (dimming)
EM10/BABA ^{1,10}	Factory Installed 10W LED Battery Backup - BABA Compliant - CEC Title 20 Compliant

Ship with Accessories

+DSCx WC ⁷	11ga Unpainted Galvanized Finish Wire Cage (X=2, 4, 8)
FMB ⁷	Fixture Mounting Box
HUB 3/4 ^{8,9}	Conduit Hub 3/4" for pendant mounting
ACxY ¹¹	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 ⁵	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, Asymmetrical, White (x=2, 4, 8)

¹ Not available with DSC2 models

² Not available with lens

³ May reduce published performance; consult factory

⁴ May reduce max ambient; consult factory

⁵ Used only when mounting fixtures in continuous rows. One needed between each fixture

⁶ Not compatible with NEKO option. Wired through end cap of fixture

⁷ Not compatible with RS or RA Option

⁸ One required per 4ft section

⁹ Must be used with FMB

¹⁰ Operation down to 32°F

¹¹ Not BABA compliant

¹² Not available with FFL and FCL lens options

LINEAR STRIP

LED SYSTEMS INFO ¹		Light Engine	Lens	3000K		3500K		4000K		5000K		Wattage ²	Replaces	CRI	DLC Listing ³
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	
		FFL	1741	128	1770	130	1800	132	1860	137				Standard	
		FCL	1777	131	1807	133	1837	135	1898	140				Standard	
DSC2-3L	HE	FFLGR	3037	156	3089	158	3141	161	3244	166	19	2T8	80	Standard	
		FCLGR	3073	158	3126	160	3178	163	3283	168				Standard	
		FFL	2733	140	2780	143	2827	145	2920	150				Standard	
		FCL	2766	142	2813	144	2860	147	2955	152				Standard	
DSC2-4L	HE	FFLGR	3852	147	3918	149	3983	152	4115	157	20	2T8	80	Standard	
		FCLGR	3897	149	3964	151	4031	154	4164	159				Standard	
		FFL	3466	132	3526	134	3585	137	3704	141				Standard	
		FCL	3508	134	3568	136	3628	138	3748	143				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	
		FFL	2309	141	2348	143	2388	145	2467	150				Standard	
		FCL	2336	142	2376	145	2416	147	2496	152				Standard	
DSC4-3L	HE	FFLGR	3051	152	3103	155	3155	157	3260	162	20	2T8	80	Premium	
		FCLGR	3087	154	3140	156	3193	159	3299	164				Standard	
		FFL	2746	137	2793	139	2840	141	2934	146				Standard	
		FCL	2779	138	2826	141	2874	143	2969	148				Standard	
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	
		FFL	4080	134	4150	136	4220	139	4359	143				Standard	
		FCL	4129	136	4199	138	4270	140	4411	145				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	
		FFL	5709	138	5807	141	5905	143	6100	148				Standard	
		FCL	5650	137	5747	139	5844	141	6037	146				Standard	
DSC4-8L	HE	FFLGR	8954	150	9107	153	9260	155	9566	161	60	2T5HO	80	Premium	
		FCLGR	9060	152	9215	155	9370	157	9680	162				Premium	
		FFL	8058	135	8196	138	8334	140	8610	144				Standard	
		FCL	8154	137	8294	139	8433	141	8712	146				Standard	
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	
		FFL	9110	125	9296	127	9453	129	9766	134				Standard	
		FCL	8979	122	9129	124	9283	126	9590	131				Standard	
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	
		FFL	4564	140	4642	143	4720	145	4876	150				Standard	
		FCL	4618	142	4697	144	4776	147	4934	152				Standard	
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	
		FFL	5536	140	5631	142	5726	145	5915	149				Standard	
		FCL	5602	141	5698	144	5794	146	5985	151				Standard	
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	
		FFL	7991	134	8128	137	8265	139	8538	143				Standard	
		FCL	8086	136	8224	138	8363	141	8639	145				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	
		FFL	9708	138	9874	141	10040	143	10372	148				Standard	
		FCL	9823	140	9991	143	10159	145	10495	150				Standard	
DSC8-12L	HE	FFLGR	12592	150	12808	153	13023	155	13454	160	83	6T8	80	Premium	
		FCLGR	12742	152	12960	154	13178	157	13614	162				Premium	
		FFL	11333	135	11527	137	11721	140	12109	144				Standard	
		FCL	11468	137	11664	139	11860	141	12252	146				Standard	
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	

¹ Values are nominal, check IES file for more detail

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

³ 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
DSC4-3LHE	20.1	0.17	0.10	0.08	0.07	0.06	0.04
DSC4-4LHE	30.4	0.25	0.15	0.13	0.11	0.09	0.06
DSC4-6LHE	40.8	0.34	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
DSC8-6LHE	39.6	0.33	0.19	0.17	0.14	0.11	0.08
DSC8-8LHE	59.5	0.50	0.29	0.25	0.21	0.17	0.12
DSC8-10LHE	70.1	0.58	0.34	0.29	0.25	0.20	0.15
DSC8-12LHE	82.5	0.69	0.40	0.34	0.30	0.24	0.17
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

¹ 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

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

IK06 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

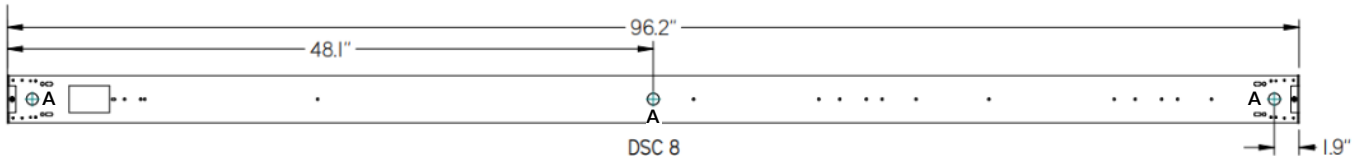
ETL Listed to US and Canadian safety standards. Suitable for damp locations. Title 24 Compliant with sensor option; see local ordinance for qualification information. BABA Compliant. DLC (DesignLights Consortium) Premium Qualified. Please refer to the DLC Qualified Products List at [www. Designlights.org/QPL](http://www.Designlights.org/QPL)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

WARRANTY

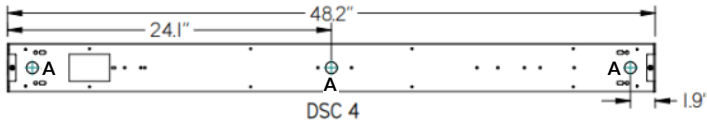
5 Year Warranty Standard; 10 Year Warranty Optional ([Terms and Conditions](#) apply).

LINE DRAWINGS A - Knockout Locations

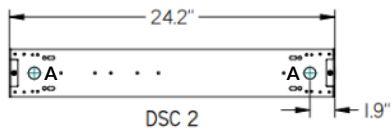
DSC 8: 96.2"



DSC 4: 48.2"

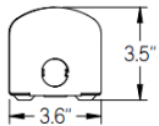


DSC 2: 24.2"

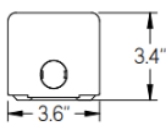


DSC - End Caps

Curved Lens
Side View



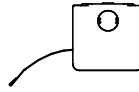
Flat Lens
Side View



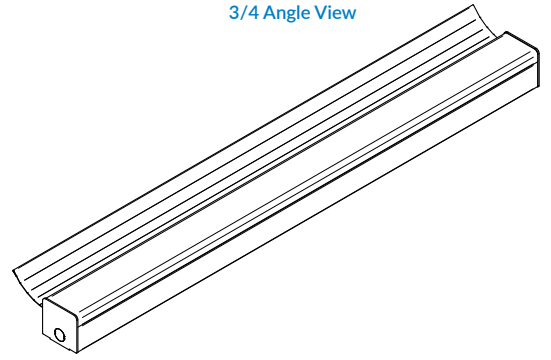
DSC 4: 48.2" - With RA Reflector Option



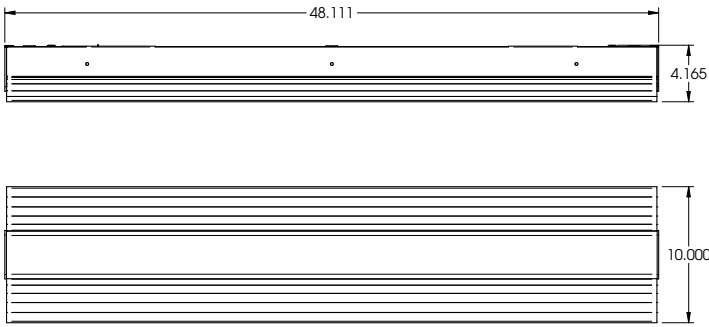
End Cap View



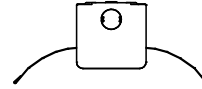
3/4 Angle View



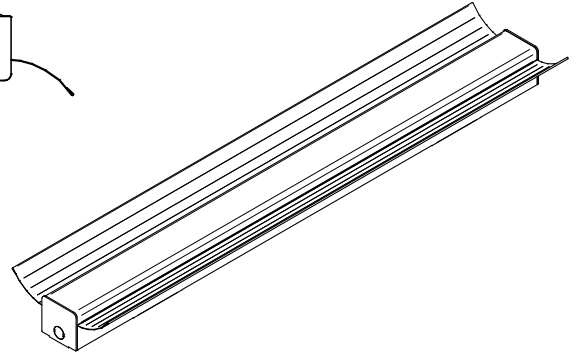
DSC 4: 48.2" - With RS Reflector Option



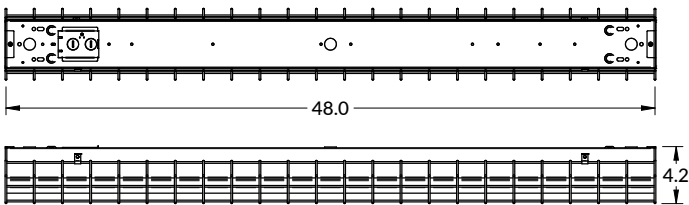
End Cap View



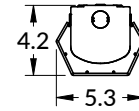
3/4 Angle View



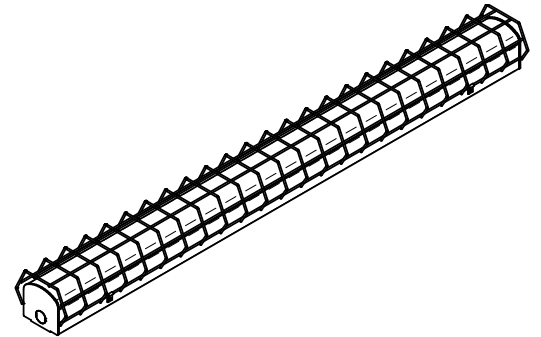
DSC 4 Curved Lens: 48.2" - With Wire Cage Option



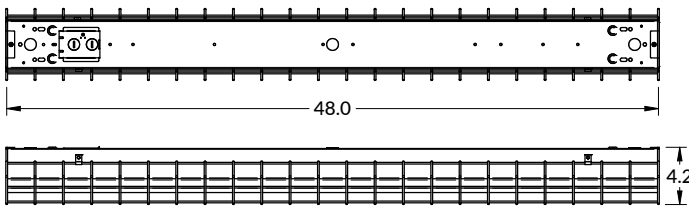
End Cap View



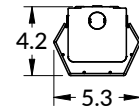
3/4 Angle View



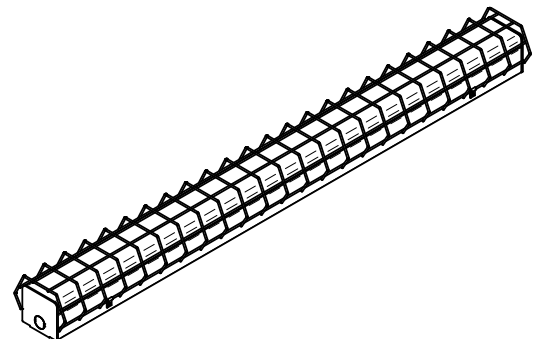
DSC 4 Flat Lens: 48.2" - With Wire Cage Option



End Cap View



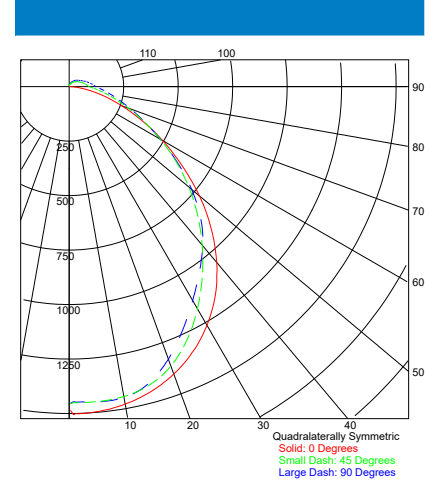
3/4 Angle View



LINEAR STRIP PHOTOMETRICS

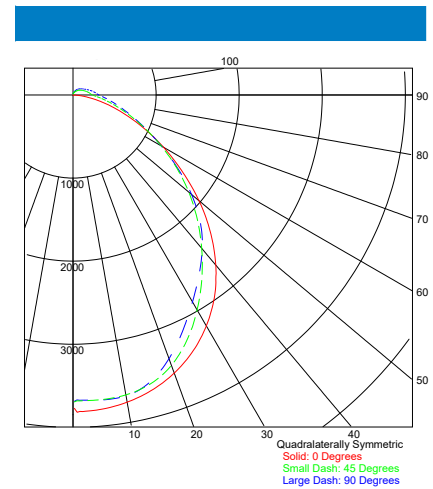
LUMINAIRE DATA	
Part Number	DSC2-4LHE-U-40-FFLGR
Description	2ft Linear Strip, High Efficiency, 4,000 Lumens, 4000K, Frosted Flat Glare Reducing Lens
Fixture Lumens (lm)	3983 Lumens
Wattage (W)	26 W
Efficacy (lm/W)	149 lm/W
Mounting	Surface
Spacing Criteria	0° = 1.28, 90° = 1.18

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%

