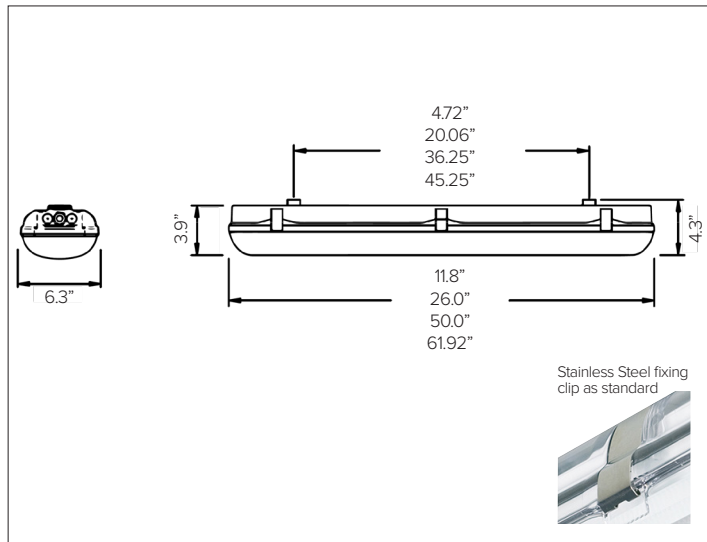


LINDA

Professional LED Vapor Tight



CONCEPT

Commercial linear LED vapor tight for use in applications in commercial, industrial, residential and food industry environments.

SOURCE

Linear LED board.

Optic The Engine is made up of Linear LED boards. High luminance diffuser is UV stabilized with Low glare, UGR<22, Photo-engraved interior and smooth outer surface. Lens and internal reflector options – Lenticular Batwing / Narrow / Wide / Opal.

Color Temp. 3000K / 3500K / 4000K / 5000K

CRI >80 (R9 <50%). Available on request >90.

Lifetime L80/B10 100,000hrs

ELECTRICAL CHARACTERISTICS

Halogen free electronic wiring 0-10V constant current LED Driver, 120–277V 50/60Hz, Class P. In case of simple ON-OFF usage, leave 0-10V connection open. Low inrush current and total harmonic distortion (THD), high power factor and efficiency.

Driver EL= Integral Class I constant current output, SELV, power factor >0.97, Flicker <4%. 10= Integral 0-10V dimming driver class I constant current output, SELV, power factor >0.90, Flicker<4%

Voltage Universal 120-277V AC 50/60Hz

Relevant values based on 4000K Lenticular Batwing optic.

Version	Delivered Lumens	Wattage	Efficiency	Max Ambient Temp	
2ft	15	1,461Lm	11W	129m/W	40°C
	25	2,454Lm	19W	129Lm/W	40°C
	35	3,428Lm	27W	127Lm/W	40°C
4ft	45	4,610Lm	34W	136Lm/W	40°C
	60	6,142Lm	45W	137Lm/W	40°C
	75	7,674Lm	59W	130Lm/W	35°C
	90	9,050Lm	70Wx	129Lm/W	30°C
5ft	95	9,279Lm	70W	133Lm/W	35°C
	110	10,838Lm	83W	131m/W	30°C

Performance results are referred to ambient temperature of 77°F/25°C. CCT=4000K CRI=80 and tested in accordance with IESNA LM-79. Calculation for LED fixtures are according to IES LM-80 test procedure.

SUSTAINABILITY

The luminaire is 90% recyclable. Carbon footprint available on request. Replaceable LED at driver component available to promote sustainable fixture.

MECHANICAL CHARACTERISTICS

Housing Reinforced blend of polypropylene ether (PPE) + high impact polystyrene (HIPS). Outdoor Suitability, flame retardant. Snug fit safety snap-lock clips for diffuser mounting in stainless steel, screwdriver opening. Possibility for technicians to access the interior of the luminaire. Luminaire cool to touch.

Materials Injection molded diffuser in self-extinguishing V2 polycarbonate. Photoengraved inner surface, UV stabilized, low glare, UGR<22 with smooth outer surface, tamper-proof opening. Reflector unit comprised hot-galvanized steel, painted in white polyester. Rapid fix Stainless Steel clip fixing to the body with hinged opening, and mounting brackets.

Finish RAL 7035 neutral housing.

IP Rating IP66

IK Rating IK10

Fixture Weight 1ft = 1.8lbs / 2ft = 3.8lbs / 4ft = 6.13lbs / 5ft = 7.06lbs

Operating Temp Operating Ambient Temp: -4 to +104°F (-20°C to +40°C) Extreme temperature options available, consult factory.

Sensor Options Integral dual sensor, photocell and motion sensor. Consult factory for external sensor or custom sensor options.

MOUNTING

Mounting hardware included as standard. See additional mounting accessories for other solutions.

INSTALLATION

A certified electrician to install luminaire according to local building regulations. The compatibility with the use of any chemicals, which could compromise plastic material, must be evaluated.

WARRANTY

5 year limited warranty

CERTIFICATIONS

UL Listed E515231
DLC Listed
HACCP Suitable product for food production plants (HACCP), IFS (Food Version 6), BRC (GSFS Food Version 7). Dry, dusty indoor environments, subject to occasional water splashes.

LINDA

SPECIFICATION INFORMATION



Ex: LDD4B604010

1 - PRODUCT CODE	2 - LENGTH	3 - OPTIC ^P	4 - OUTPUT ^C	5 - KELVIN	6 - CONTROL	7 - OPTIONS	8 - MOUNTING
LDD — LINDA	2 — 2ft	B — Batwing	15 — 1500Lm 25 — 2500Lm 35 — 3500Lm	30 — 3000K 35 — 3500K 40 — 4000K	10 — 0-10V DA — Dali CS ^B — Custom driver/control	PS — Integral Photocell / Motion Sensor BB — 90min Integral Emergency Battery Back-Up Unit	— — Installation Kit JB ^E — J-box mount (center)
	4 — 4ft	B — Batwing N — Narrow W — Wide O — Opal	45 — 4500Lm 60 — 6000Lm 75 — 7500Lm 90 — 9000Lm	50 — 5000K		PS — Integral Photocell / Motion Sensor PB ^A — Integral Photo Sensor with 90min Emergency Battery Back-Up Unit BB — 90min Integral Emergency Battery Back-Up Unit	
	5 — 5ft	B — Batwing N — Narrow W — Wide	95 — 9500Lm 11 — 11000Lm			PS — Integral Photocell / Motion Sensor PB ^A — Integral Photo Sensor with 90min Emergency Battery Back-Up Unit BB — 90min Integral Emergency Battery Back-Up Unit	
	CS — Consult factory for 1ft length.					CS — For all fixture lengths, third party control options can be added. Consult factory for available options.	

^A Available for 4ft and 5ft fixture lengths only. Emergency battery T20 certified.

^B Consult factory for other driver/control options.

^C Consult factory for custom wattage and/or lumen output.

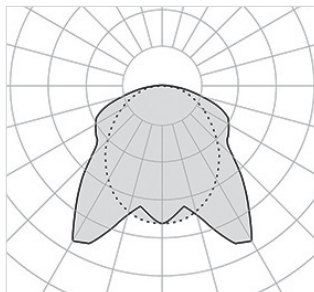
^D Consult factory for Opal 2ft and 5ft versions.

^E 'JB' Mounting to be used in combination with mounting accessories IUSLDCLR66 and 'Speed Bracket' kit.

^F  DLC compliant fixture model: 4ft Length, Batwing Optic, 60 or 75 Lumen versions.

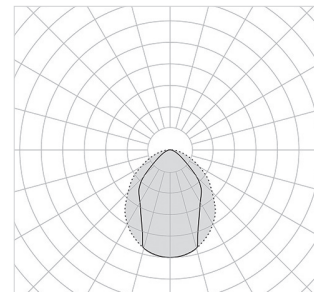
OPTIC VERSIONS

B – Lenticular Batwing



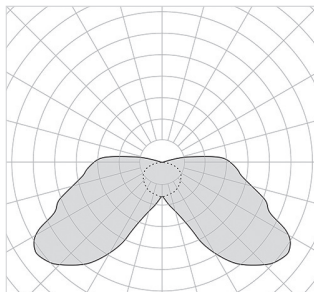
Diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilized, injection molded with smooth outer surface. Available in all lengths.

N – Narrow



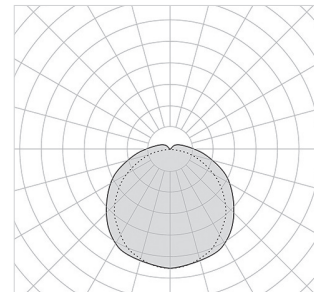
Concentrated elliptical distribution. Internal high efficiency specular aluminum reflector with clear diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilized, injection molded with smooth outer surface. Available for 50" and 61.92" fixture lengths only.

W – Wide



Internal high efficiency specular aluminum with clear diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilized, injection molded with smooth outer surface. Available for 50" and 61.92" fixture lengths only.

O – Opal

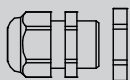


Soft opal diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilized, injection molded. Available in all lengths.

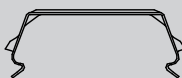
LINDA

INSTALLATION KIT (Included As Standard)

Each fixture contains **ALL** of the following installation materials as standard.



1pc PVC 1/2" Knockout Cable Strain Relief, neutral finish.



2pcs Stainless Steel fixture mounting clips.



2pcs Stainless Steel fixture hanging clips.



4pcs = 2ft L
8pcs = 4ft L
10pcs = 5ft L
Stainless Steel fixture cover clips.

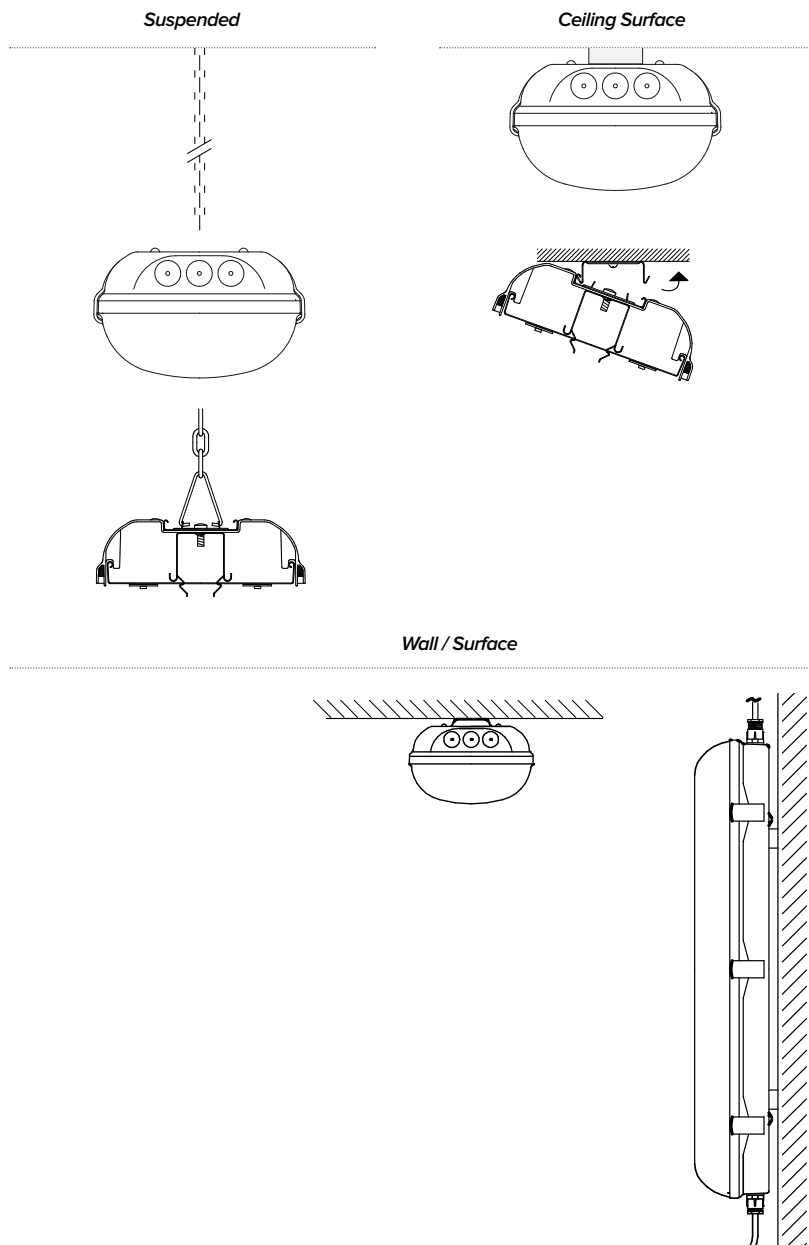


1pc = 4ft L
1pc = 5ft L
Grey rubber cable grommet.

Note: Suspension chain/cable not supplied.

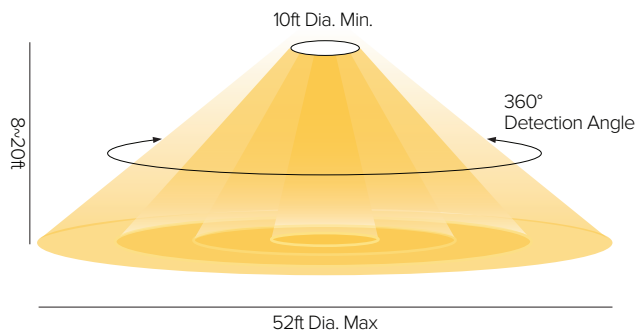
Replacement Parts:

Length	Part No.
2ft L	1USLDKT03
4ft L	1USLDKT01
5ft L	1USLDKT02



MOTION SENSOR DETAILS

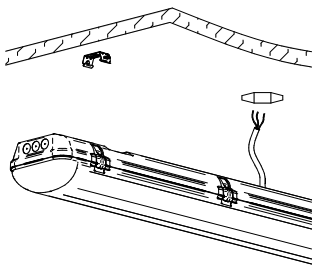
Optional integral microwave motion sensor factory preset to 100% ON. If no motion is detected, after 15 minutes fade to 30% output. Optional field setting of sensitivity, hold-time, light-control, light level, and stand-by time by manual dip switch control settings. See installation instructions for details.



LINDA

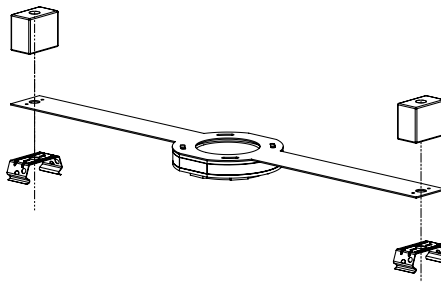
8 – MOUNTING ACCESSORIES

Ridged and custom mounting solutions available, consult factory.



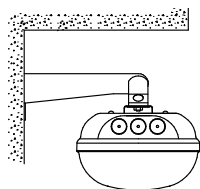
Junction box cover with fixture collar kit for IP66 installations, 1pc. For use in installations with recessed or surface mount 4" hexagon j-box with center wire configurations. **To be used in conjunction with "JB" mounting only.**

Part No. **1USLDCLR66**



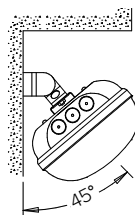
"Speed" bracket kit for recessed or surface box, 1pc. IP66 Steel j-box alignment bracket, powder coated neutral to match base with factory attached fixture clips. For use in installations with recessed or surface mount 4" hexagon j-box with center wire configurations. Speed bracket comes pre assembled with collar and requires no measurement or pre-mounting of clips for installation. **To be used in conjunction with "JB" mounting only.**

Length	2ft	4ft	5ft
Part No.	1USLDSPD2	1USLDSPD4	1USLDSPD5



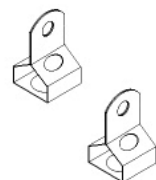
Long bracket kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Dimension: 6"L

Part No. **A0452**



Short bracket kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Dimension: 2"L
Minimum tilt angle: 45°

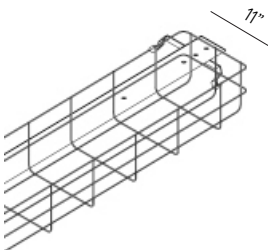
Part No. **A0450**



Suspension hook kit, 2pcs. Stainless steel. **To be used for suspended installations.**

Part No. **A0463**

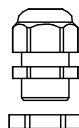
9 – ACCESSORIES



Wire guard, galvanized steel Ø5mm rod. **To be used for indoor surface mount applications only for extra fixture protection.**

Length 52"L 64"L

Part No. **A0457 A0458**



Additional PVC 1/2" knockout cable strain relief, neutral grey finish.

Part No. **A0187**

LINDA

PHOTOMETRY

BATWING – 2FT

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	11W	1	2.14	1.61	429	
	Source Flux	1460lm	2	4.27	3.21	107	
	Fixture Flux	1461lm	3	6.41	4.82	48	
	Efficacy	133lm/W	4	8.55	6.43	27	
	5001813	I _{max} =379cd/klm	I _{max}	553cd	5	10.68	8.03

Color Temp	Conversion Factor	TM30	
		R _f	R _g
3000K	0.95	84	95
3500K	0.97	84	96
4000K	100	84	95
5000K	0.995	84	97

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	19W	1	2.14	1.61	720	
	Source Flux	2452lm	2	4.27	3.21	180	
	Fixture Flux	2454lm	3	6.41	4.82	80	
	Efficacy	133lm/W	4	8.55	6.43	45	
	5001813	I _{max} =379cd/klm	I _{max}	929cd	5	10.68	8.03

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	27W	1	2.14	1.61	1005	
	Source Flux	3425lm	2	4.27	3.21	251	
	Fixture Flux	3428lm	3	6.41	4.82	112	
	Efficacy	127lm/W	4	8.55	6.43	63	
	5001813	I _{max} =379cd/klm	I _{max}	1297cd	5	10.68	8.03

BATWING – 4FT

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	34W	1	2.14	1.61	1352	
	Source Flux	4606lm	2	4.27	3.21	338	
	Fixture Flux	4610lm	3	6.41	4.82	150	
	Efficacy	136lm/W	4	8.55	6.43	85	
	5001813	I _{max} =379cd/klm	I _{max}	1745cd	5	10.68	8.03

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	45W	1	2.14	1.61	1802	
	Source Flux	6137lm	2	4.27	3.21	450	
	Fixture Flux	6142lm	3	6.41	4.82	200	
	Efficacy	136lm/W	4	8.55	6.43	113	
	5001813	I _{max} =379cd/klm	I _{max}	2324cd	5	10.68	8.03

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	59W	1	2.14	1.61	2251	
	Source Flux	7668lm	2	4.27	3.21	563	
	Fixture Flux	7674lm	3	6.41	4.82	250	
	Efficacy	130lm/W	4	8.55	6.43	141	
	5001813	I _{max} =379cd/klm	I _{max}	2904cd	5	10.68	8.03

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	70W	1	2.14	1.61	2655	
	Source Flux	9043lm	2	4.27	3.21	664	
	Fixture Flux	9050lm	3	6.41	4.82	295	
	Efficacy	129lm/W	4	8.55	6.43	166	
	5001813	I _{max} =379cd/klm	I _{max}	3425cd	5	10.68	8.03

BATWING – 5FT

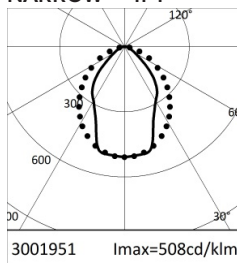
	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	70W	1	2.14	1.61	2722	
	Source Flux	9272lm	2	4.27	3.21	681	
	Fixture Flux	9279lm	3	6.41	4.82	302	
	Efficacy	133lm/W	4	8.55	6.43	170	
	5001813	I _{max} =379cd/klm	I _{max}	3512cd	5	10.68	8.03

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80	94°	78°				
	Fixture Power	83W	1	2.14	1.61	3179	
	Source Flux	10829lm	2	4.27	3.21	795	
	Fixture Flux	10838lm	3	6.41	4.82	353	
	Efficacy	131lm/W	4	8.55	6.43	199	
	5001813	I _{max} =379cd/klm	I _{max}	4101cd	5	10.68	8.03

LINDA

PHOTOMETRY

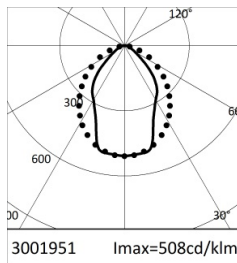
NARROW – 4FT



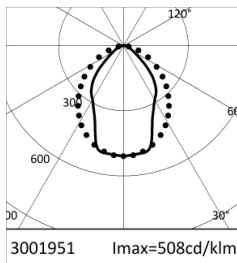
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		72°	98°		
Fixture Power	34W	1	1.46	2.29	2291
Source Flux	4514lm	2	2.92	4.57	573
Fixture Flux	4523lm	3	4.38	6.86	255
Efficacy	133lm/W	4	5.85	9.14	143
3001951	I _{max} =508cd/klm	I _{max}	2291cd	5	7.31 11.43 92



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		72°	98°		
Fixture Power	45W	1	1.46	2.29	3053
Source Flux	6014lm	2	2.92	4.57	763
Fixture Flux	6027lm	3	4.38	6.86	339
Efficacy	134lm/W	4	5.85	9.14	191
3001951	I _{max} =508cd/klm	I _{max}	3053cd	5	7.31 11.43 122

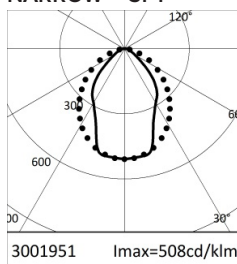


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		72°	98°		
Fixture Power	59W	1	1.46	2.29	3814
Source Flux	7514lm	2	2.92	4.57	954
Fixture Flux	7530lm	3	4.38	6.86	424
Efficacy	128lm/W	4	5.85	9.14	238
3001951	I _{max} =508cd/klm	I _{max}	3814cd	5	7.31 11.43 153



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		72°	98°		
Fixture Power	70W	1	1.46	2.29	4499
Source Flux	8863lm	2	2.92	4.57	1125
Fixture Flux	8881lm	3	4.38	6.86	500
Efficacy	127lm/W	4	5.85	9.14	281
3001951	I _{max} =508cd/klm	I _{max}	4499cd	5	7.31 11.43 180

NARROW – 5FT

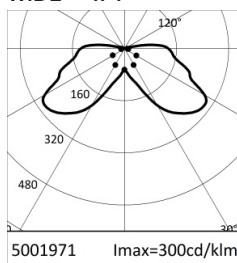


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		72°	98°		
Fixture Power	70W	1	1.46	2.29	4613
Source Flux	9087lm	2	2.92	4.57	1153
Fixture Flux	9106lm	3	4.38	6.86	513
Efficacy	130lm/W	4	5.85	9.14	288
3001951	I _{max} =508cd/klm	I _{max}	4613cd	5	7.31 11.43 185

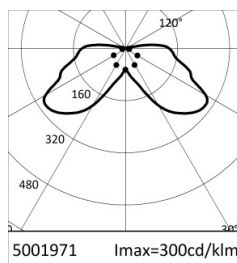


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		72°	98°		
Fixture Power	83W	1	1.46	2.29	5387
Source Flux	10613lm	2	2.92	4.57	1347
Fixture Flux	10635lm	3	4.38	6.86	599
Efficacy	128lm/W	4	5.85	9.14	337
3001951	I _{max} =508cd/klm	I _{max}	5387cd	5	7.31 11.43 215

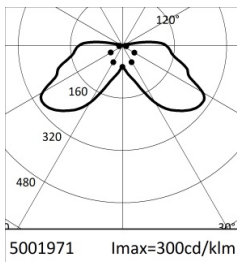
WIDE – 4FT



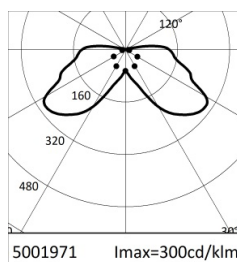
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		58°	102°		
Fixture Power	34W	1	7.23	4.32	624
Source Flux	4596lm	2	14.47	8.64	156
Fixture Flux	4593lm	3	21.70	12.96	69
Efficacy	135lm/W	4	28.93	17.27	39
5001971	I _{max} =300cd/klm	I _{max}	1378cd	5	36.17 21.59 25



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		58°	102°		
Fixture Power	45W	1	7.23	4.32	831
Source Flux	6123lm	2	14.47	8.64	208
Fixture Flux	6120lm	3	21.70	12.96	92
Efficacy	136lm/W	4	28.93	17.27	52
5001971	I _{max} =300cd/klm	I _{max}	1836cd	5	36.17 21.59 33

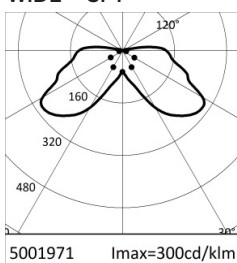


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		58°	102°		
Fixture Power	59W	1	7.23	4.32	1039
Source Flux	7650lm	2	14.47	8.64	260
Fixture Flux	7646lm	3	21.70	12.96	115
Efficacy	130lm/W	4	28.93	17.27	65
5001971	I _{max} =300cd/klm	I _{max}	2294cd	5	36.17 21.59 42

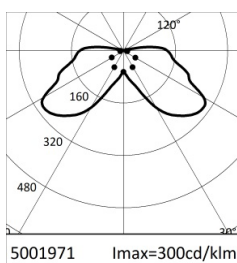


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		58°	102°		
Fixture Power	70W	1	7.23	4.32	1225
Source Flux	9023lm	2	14.47	8.64	306
Fixture Flux	9018lm	3	21.70	12.96	136
Efficacy	129lm/W	4	28.93	17.27	77
5001971	I _{max} =300cd/klm	I _{max}	2706cd	5	36.17 21.59 49

WIDE – 5FT



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		58°	102°		
Fixture Power	70W	1	7.23	4.32	1256
Source Flux	9252lm	2	14.47	8.64	314
Fixture Flux	9247lm	3	21.70	12.96	140
Efficacy	132lm/W	4	28.93	17.27	79
5001971	I _{max} =300cd/klm	I _{max}	2774cd	5	36.17 21.59 50



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		58°	102°		
Fixture Power	83W	1	7.23	4.32	1467
Source Flux	10805lm	2	14.47	8.64	367
Fixture Flux	10799lm	3	21.70	12.96	163
Efficacy	130lm/W	4	28.93	17.27	92
5001971	I _{max} =300cd/klm	I _{max}	3240cd	5	36.17 21.59 59

LINDA

PHOTOMETRY

OPAL – 4FT



		4000K	H(m)	D1(m)	D2(m)	Emax(lx)
		Ra80		131°	111°	
Fixture Power		34W	1	4.41	2.90	1297
Source Flux		4601lm	2	8.83	5.80	324
Fixture Flux		4604lm	3	13.24	8.69	144
Efficacy		135lm/W	4	17.65	11.59	81
3002105	I _{max} =282cd/klm	I _{max}	5	22.07	14.49	52



		4000K	H(m)	D1(m)	D2(m)	Emax(lx)
		Ra80		131°	111°	
Fixture Power		59W	1	4.41	2.90	2159
Source Flux		7659lm	2	8.83	5.80	540
Fixture Flux		7665lm	3	13.24	8.69	240
Efficacy		130lm/W	4	17.65	11.59	135
3002105	I _{max} =282cd/klm	I _{max}	5	22.07	14.49	86



		4000K	H(m)	D1(m)	D2(m)	Emax(lx)
		Ra80		131°	111°	
Fixture Power		45W	1	4.41	2.90	1728
Source Flux		6130lm	2	8.83	5.80	432
Fixture Flux		6134lm	3	13.24	8.69	192
Efficacy		136lm/W	4	17.65	11.59	108
3002105	I _{max} =282cd/klm	I _{max}	5	22.07	14.49	69



		4000K	H(m)	D1(m)	D2(m)	Emax(lx)
		Ra80		131°	111°	
Fixture Power		70W	1	4.41	2.90	2546
Source Flux		9033lm	2	8.83	5.80	637
Fixture Flux		9040lm	3	13.24	8.69	283
Efficacy		129lm/W	4	17.65	11.59	159
3002105	I _{max} =282cd/klm	I _{max}	5	22.07	14.49	102