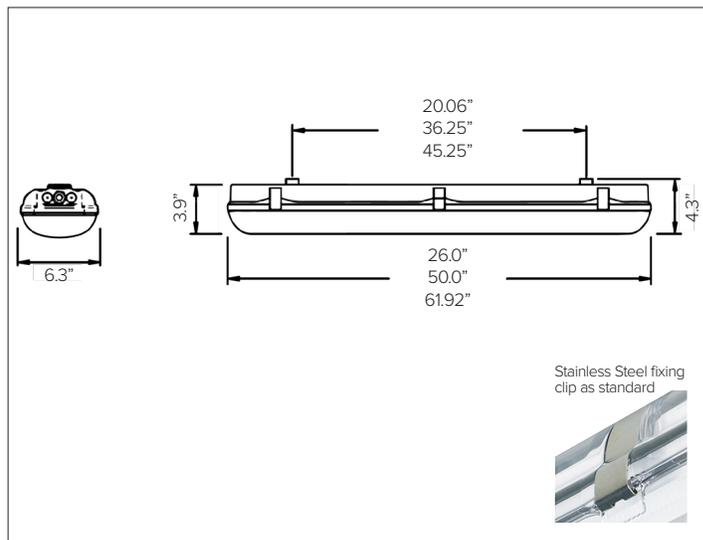


LINDA EXTREME TEMPERATURE

Professional LED Vapor Tight



CONCEPT

Commercial linear LED vapor tight for use in extreme temperature environments (*FIRE and ICE*) such as commercial, industrial, and food industry.

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

MOUNTING

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

Relevant values based on 4000K Lenticular Batwing optic.

Version	Delivered Lumens	Wattage	Efficiency	Max Ambient Temp	
2ft	15	1461Lm	11W	129m/W	40°C
	25	2454Lm	19W	129Lm/W	40°C
	35	3428Lm	27W	127Lm/W	40°C
4ft	45	4610Lm	34W	136Lm/W	40°C
	60	6142Lm	45W	137Lm/W	40°C
	75	7674Lm	59W	130Lm/W	35°C
5ft	95	9279Lm	70W	133Lm/W	35°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 Stainless Steel fixing clip to the body with hinged opening, and mounting brackets.

Finish RAL 7035 neutral housing.

IP Rating IP66

IK Rating IK10

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

Operating Temp FIRE (high temp): +60°C / 140°F
ICE (cold temp): -40°C / -40°F
Battery Backup: -40°C to +55°C (-40°F to 131°F)

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

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
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 EXTREME TEMPERATURE

SPECIFICATION INFORMATION



Ex: LET4B604010

1 - PRODUCT CODE	2 - LENGTH ^D	3 - OPTIC ^E	4 - OUTPUT ^C	5 - KELVIN	6 - CONTROL	7 - OPTIONS	8 - MOUNTING
LET — LINDA EXTREME TEMP	2 — 2ft	B — Batwing	15 — 1500Lm	30 — 3000K	10 — 0-10V	PS — Integral Photocell / Motion Sensor	— — Installation Kit JB ^F — J-box mount (center)
	4 — 4ft		25 — 2500Lm	35 — 3500K		BB ^B — 90min Integral Emergency Battery Back-Up Unit	
		5 — 5ft	N — Narrow	35 — 3500Lm		40 — 4000K	
4 — 4ft	W — Wide		45 — 4500Lm	50 — 5000K	PB ^{A, B} — Integral Photo Sensor with 90min Emergency Battery Back-Up Unit		
	5 — 5ft	O — Opal	60 — 6000Lm		BB ^B — 90min Integral Emergency Battery Back-Up Unit		
4 — 4ft		B — Batwing	75 — 7500Lm		PS — Integral Photocell / Motion Sensor		
	5 — 5ft	N — Narrow	95 — 9500Lm		PB ^{A, B} — Integral Photo Sensor with 90min Emergency Battery Back-Up Unit		
5 — 5ft		W — Wide			BB ^B — 90min Integral Emergency Battery Back-Up Unit		
							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.

^B Battery backup to be used in temperature environments -40°C to +55°C (-40°F to 131°F)

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

^D Consult factory for 12" L version.

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

^F 'JB' Mounting to be used in combination with mounting accessories 1USLDCLR66 and 'Speed Bracket' kit.

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

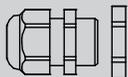


Soft opal diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilized, injection molded. Available in all lengths.

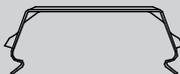
LINDA EXTREME TEMPERATURE

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.



4pc > L = 26in
8pc > L = 50in
10pc > L = 62in
Stainless Steel fixture cover clips.

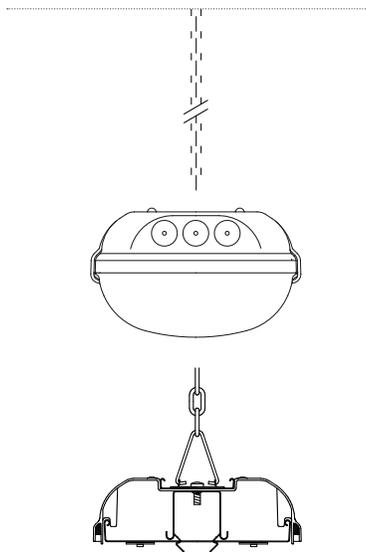


1pc L = 50in
1pc L = 62in
Grey rubber cable grommet.

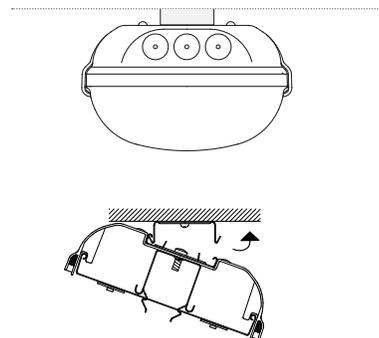
Note: Suspension chain/cable not supplied.

Replacement Part No. **1USLDKT01**

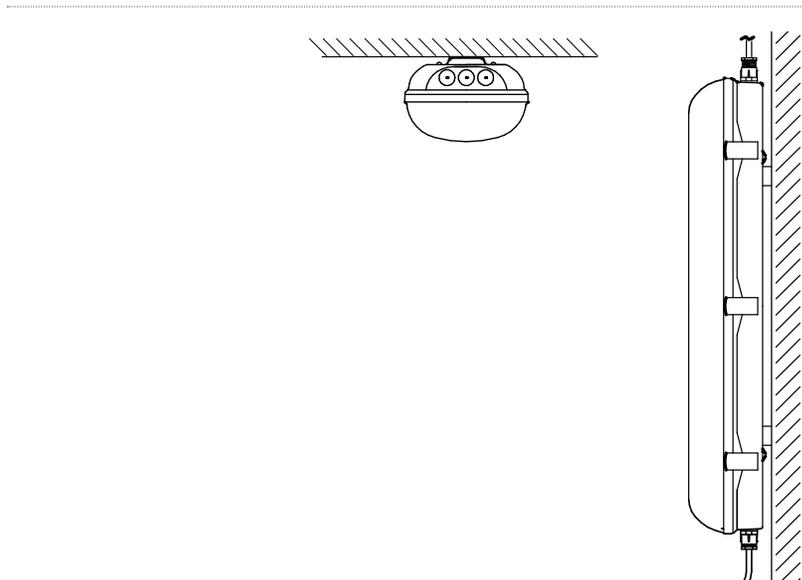
Suspended



Ceiling Surface

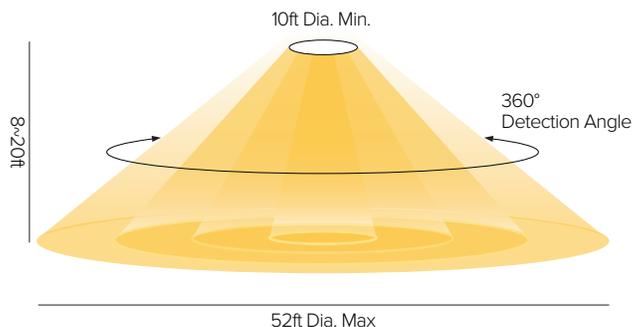


Wall / Surface



MOTION SENSOR DETAILS

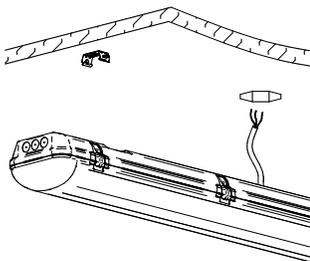
Optional integral microwave motion sensor factory preset to 100% ON. If no motion is detected, after 15 minutes fade to 30% output. Optional field setting of sensitivity, hold-time, light-control, light level, and stand-by time by manual dip switch control settings. See installation instructions for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



LINDA EXTREME TEMPERATURE

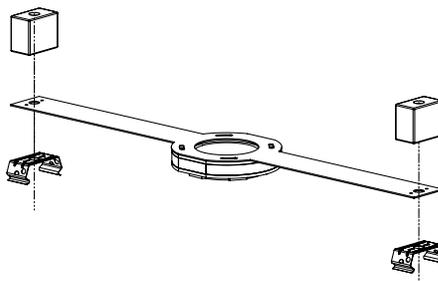
8 – MOUNTING ACCESSORIES

Ridged and custom mounting solutions available, consult factory.



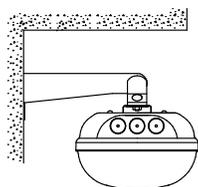
Junction box cover with fixture collar kit for IP66 installations, 1pc. To be used in installations with recessed or surface mount 4" hexagon j-box with center wire configurations.

Part No. **1USLDCLR66**



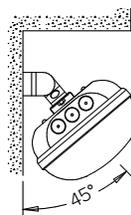
"Speed" bracket kit for recessed or surface box, 1pc. IP66 Steel j-box alignment bracket, powder coated neutral to match base with factory attached fixture clips. To be used in installations with recessed or surface mount 4" hexagon j-box with center wire configurations. Speed bracket comes pre assembled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

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



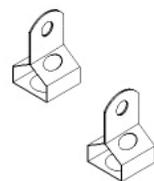
Long bracket kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Dimension: 6"L

Part No. **A0452**



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

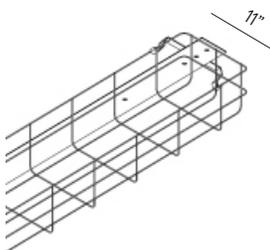
Part No. **A0450**



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

Part No. **A0463**

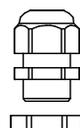
9 – ACCESSORIES



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**



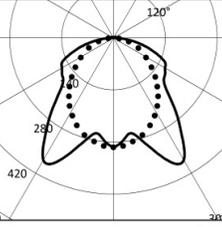
Additional PVC 1/2" knockout cable strain relief, neutral grey finish.

Part No. **A0187**

LINDA EXTREME TEMPERATURE

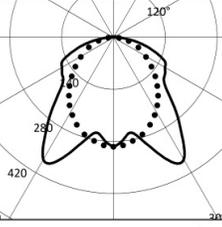
PHOTOMETRY

BATWING – 2FT

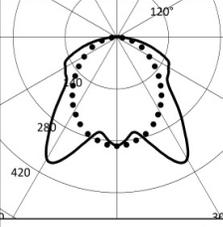


	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		94°	78°			
Fixture Power	11W	1	2.14	1.61	429		
Source Flux	1460lm	2	4.27	3.21	107		
Fixture Flux	1461lm	3	6.41	4.82	48		
Efficacy	133lm/W	4	8.55	6.43	27		
5001813	I _{max} =379cd/klm	I _{max}	553cd	5	10.68	8.03	17

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

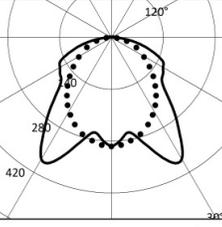


	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		94°	78°			
Fixture Power	19W	1	2.14	1.61	720		
Source Flux	2452lm	2	4.27	3.21	180		
Fixture Flux	2454lm	3	6.41	4.82	80		
Efficacy	133lm/W	4	8.55	6.43	45		
5001813	I _{max} =379cd/klm	I _{max}	929cd	5	10.68	8.03	29

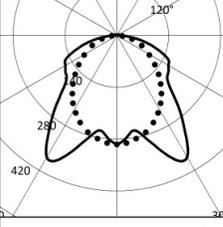


	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		94°	78°			
Fixture Power	27W	1	2.14	1.61	1005		
Source Flux	3425lm	2	4.27	3.21	251		
Fixture Flux	3428lm	3	6.41	4.82	112		
Efficacy	127lm/W	4	8.55	6.43	63		
5001813	I _{max} =379cd/klm	I _{max}	1297cd	5	10.68	8.03	40

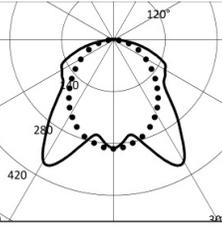
BATWING – 4FT



	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	54

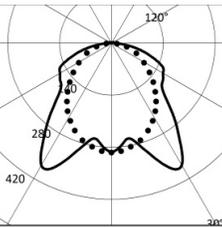


	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		94°	78°			
Fixture Power	45W	1	2.14	1.61	1802		
Source Flux	6137lm	2	4.27	3.21	450		
Fixture Flux	6142lm	3	6.41	4.82	200		
Efficacy	136lm/W	4	8.55	6.43	113		
5001813	I _{max} =379cd/klm	I _{max}	2324cd	5	10.68	8.03	72



	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	90

BATWING – 5FT

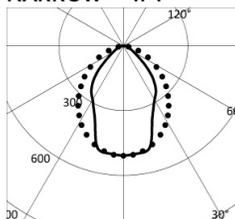


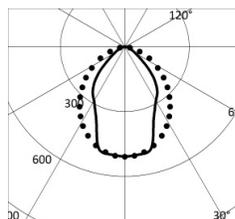
	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		94°	78°			
Fixture Power	70W	1	2.14	1.61	2722		
Source Flux	9272lm	2	4.27	3.21	681		
Fixture Flux	9279lm	3	6.41	4.82	302		
Efficacy	133lm/W	4	8.55	6.43	170		
5001813	I _{max} =379cd/klm	I _{max}	3512cd	5	10.68	8.03	109

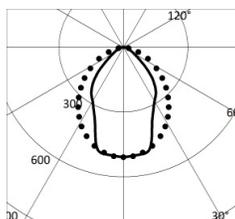
LINDA EXTREME TEMPERATURE

PHOTOMETRY

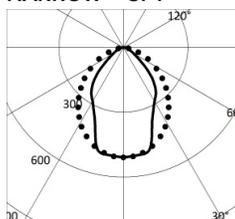
NARROW – 4FT

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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

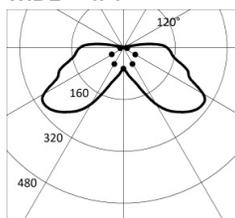
	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		72°	98°			
	Fixture Power	45W	1	1.46	2.29	3053	
	Source Flux	6014lm	2	2.92	4.57	763	
	Fixture Flux	6027lm	3	4.38	6.86	339	
	Efficacy	134lm/W	4	5.85	9.14	191	
3001951	I _{max} =508cd/klm	I _{max}	3053cd	5	7.31	11.43	122

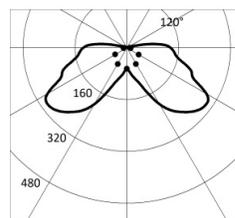
	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)		
	Ra80		72°	98°			
	Fixture Power	59W	1	1.46	2.29	3814	
	Source Flux	7514lm	2	2.92	4.57	954	
	Fixture Flux	7530lm	3	4.38	6.86	424	
	Efficacy	128lm/W	4	5.85	9.14	238	
3001951	I _{max} =508cd/klm	I _{max}	3814cd	5	7.31	11.43	153

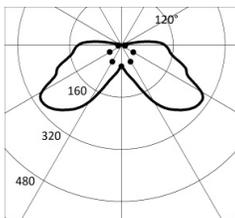
NARROW – 5FT

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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

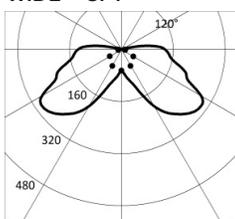
WIDE – 4FT

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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)	E _{max} (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)	E _{max} (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

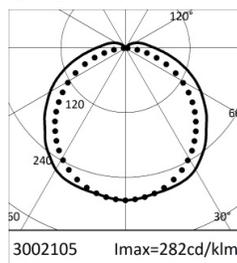
WIDE – 5FT

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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

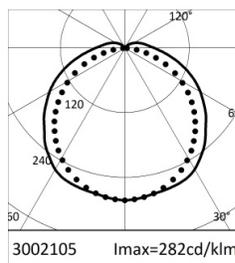
LINDA EXTREME TEMPERATURE

PHOTOMETRY

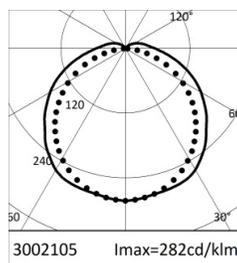
OPAL – 4FT



		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