SLINDA

Professional LED Vapor Tight
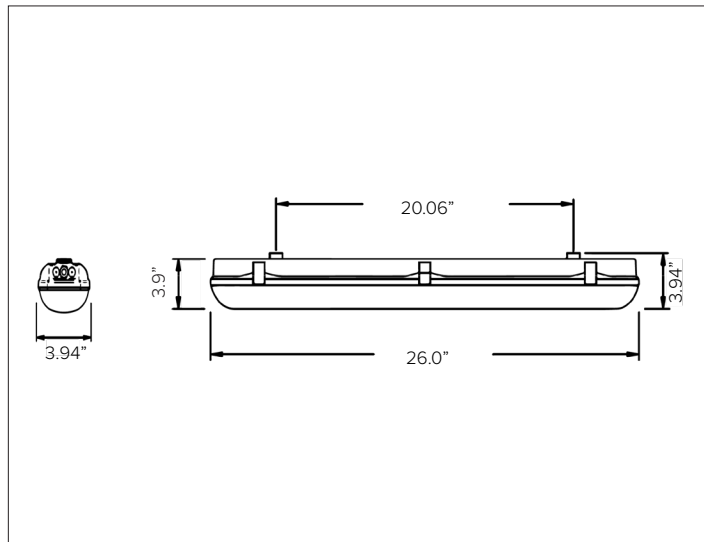

IP66 | TAA COMPLIANT | NSF | HACCP | IK10 | FLICKER FREE | RoHS COMPLIANT | UL

CONCEPT

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

SUSTAINABILITY

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

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. Lenticular Batwing optic.
Color Temp.	3000K / 3500K / 4000K / 5000K
CRI	>80 (R9 <50%). Available on request >90.
Lifetime	L80/B10 100,000hrs

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	2ft = 2.65lbs
Operating Temp	Operating Ambient Temp: -4 to +104°F (-20°C to +40°C)
Sensor Options	Integral dual sensor, photocell and motion sensor. Consult factory for external sensor or custom sensor options.

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.

WARRANTY

5 year limited warranty

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.

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.*

Relevant values based on 4000K Lenticular Batwing optic.

Version		Delivered Lumens	Wattage	Efficiency	Max Ambient Temp
2ft	**10**	1008Lm	9W	112Lm/W	40°C
	20	2024Lm	17W	119Lm/W	40°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.

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SPECIFICATION INFORMATION

LDS								
1	2	3	4	5	6	7	8	9

Ex: LDSL2B103010

OPTIONAL

1 - PRODUCT CODE	2 - LENGTH	3 - OPTIC [B]	4 - OUTPUT [A]	5 - KELVIN	6 - CONTROL	7 - OPTIONS
LDS — SLINDA	**L2** — 2ft	**B** — Batwing	**10** — 1000Lm	**30** — 3000K	**10** — 0-10V	**PS** — Integral Photo Sensor
			20 — 2000Lm	**35** — 3500K		
	CS — *Consult factory for 1ft / 4ft / 5ft lengths*			**40** — 4000K		
				50 — 5000K		

[A] Consult factory for custom wattage and/or lumen output.
[B] Consult factory for Opal optic.

OPTIC VERSION

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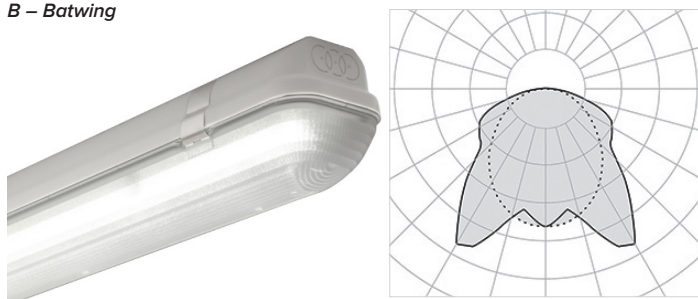
Diffuser in self-extinguishing V2 polycarbonate, photo-engraved interior, UV stabilized, injection molded with smooth outer surface. Available in all lengths.

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INSTALLATION KIT *(Included As Standard)*

Each fixture contains <u>ALL</u> of the following installation materials as standard.
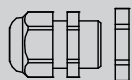
1pc PVC 1/2" Knockout Cable Strain Relief, neutral finish.
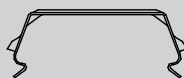
2pcs Stainless Steel fixture mounting clips.

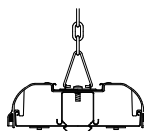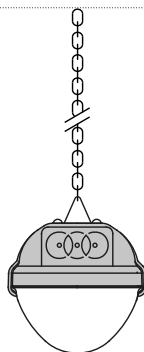**2pcs** Stainless Steel fixture hanging clips.

4pcs Stainless Steel fixture cover clips.
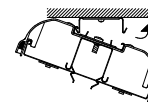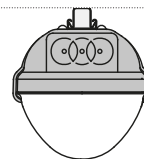
Note: Suspension chain/cable not supplied.

Replacement Parts:

Part No. **1USLDKT03**

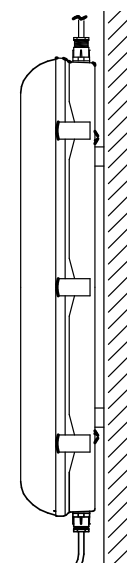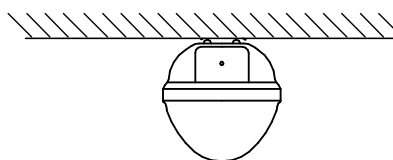*Suspended*

*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.

10ft Dia. Min.

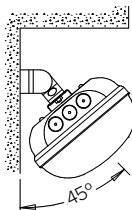360° Detection Angle

8~20ft

52ft Dia. Max
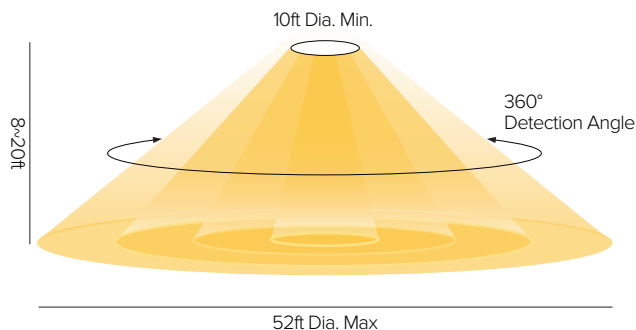
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8 - MOUNTING ACCESSORIES

Ridged and custom mounting solutions available, consult factory.
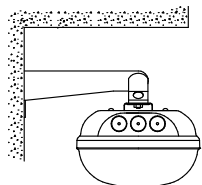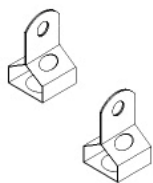

Long bracket kit, 2ea. Stainless Steel. **To be used for ceiling or wall mounting.**
Dimension: 6"L

Part No.	**A0452**

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

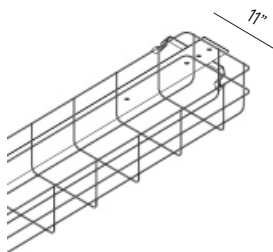| Part No.	**A0450**

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

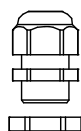| Part No.	**A0463**

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.
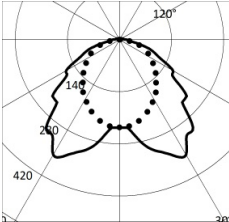
Part No.	**A0187**
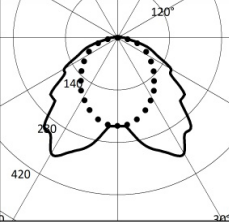
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PHOTOMETRY

Color Temp	Conversion Factor	TM30	
		Rf	Rg
3000K	0.95	84	95
3500K	0.97	84	96
4000K	1.00	84	95
5000K	0.995	84	97

BATWING – 2FT

4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		109°	64°		
Fixture Power	9W	1	2.83	1.24	273
Source Flux	1008lm	2	5.66	2.49	68
Fixture Flux	1008lm	3	8.49	3.73	30
Efficacy	119lm/W	4	11.32	4.98	17
Imax	360cd	5	14.15	6.22	11

5001814   Imax=357cd/klm

4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80		109°	64°		
Fixture Power	17W	1	2.83	1.24	548
Source Flux	2023lm	2	5.66	2.49	137
Fixture Flux	2024lm	3	8.49	3.73	61
Efficacy	123lm/W	4	11.32	4.98	34
Imax	723cd	5	14.15	6.22	22

5001814   Imax=357cd/klm