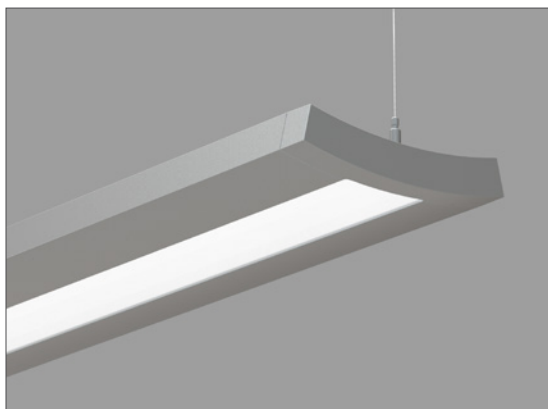


SMILE SIB LED

PENDANT DIRECT/INDIRECT



LUMENWERX
WWW.LUMENWERX.COM



Cable - shown with PMO optics

DESCRIPTION

Smile SIB (Standard Indirect Batwing)

Smile is a linear LED luminaire with a gently curved profile and a charming aspect. Using advanced LED engines and optical control, Smile provides wide spread uplight and well controlled downlight, delivering both efficient and comfortable illumination. Smile is offered in a choice of light distributions, outputs, and color temperatures, together with comprehensive electrical and controls options. Please see additional specification sheets for Smile ICL with independently controllable light distribution, as well as wall mounting.

PROJECT: _____

TYPE: _____

NOTES: _____

ORDER GUIDE

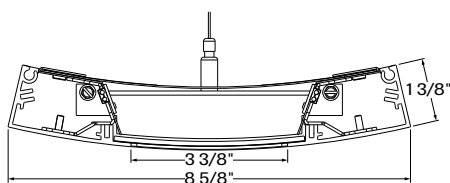
up to 107 lm/W performance

SMIPSIB	PMO	LED				
LUMINAIRE ID	OPTICS	LIGHT SOURCE	CRI	LUMEN PACKAGES	COLOR TEMP.	LIGHT DISTRIBUTION
SMIPSIB - Smile pendant standard indirect batwing	PMO - Precision micro-prism Optic	LED - High performance LED	80 - 80CRI 90 - 90CRI	750 - Min. low output 750lm/ft 875 - Medium output 875lm/ft 1000 - Max. high output 1000lm/ft #### - Other required lm/ft	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	60/40 - 60% down - 40% up 35/65 - 35% down - 65% up 15/85 - 15% down - 85% up

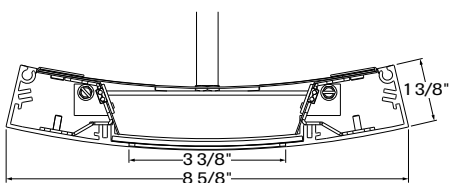
LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL	MOUNTING
#FT - Nominal length in feet Sections - 4', 8' and 12' only Continuous Run - for luminaires over 8' in multiples of 4'	120 - 120V 277 - 277V UNV - 120V-277V 347 - 347V (only available with D1 driver)	D1 - 1% 0-10V DA - DALI LTEA2W - Lutron 1% - 2 wire FP 120V LDE1 - Lutron Hi-lume 1% Eco	1 - 1 circuit +#EB - Emergency battery (min 4' fixture, except Lutron) +#EM - Emergency light circuit +#NL - Night light circuit +GTD - Generator transfer device	53WAC36 - Power 5" + non power 3" white canopy (36" aircraft cable) 53WAC36+SC - Sliding cable suspension, power 5" + non power 3" white canopy (36" sliding aircraft cable) 55WSW18 - Power 5" + non power 5" white canopy & stem (18" stem) For all other options refer to our Pendant Mounting Guide

FINISH	CONTROLS	OPTIONS
W - Matte white AL - Aluminum CF# - Custom finish specify RAL#	STANDALONE CONTROLS ¹ OMS - Onboard Occupancy ODS - Onboard Daylight OCS - Onboard Occupancy & Daylight CONNECTED CONTROLS CCS() - LU -Lutron, EN -Enlighted, OS -Osram, CR -Crestron. To specify see information on page 3 ¹ Available with 0-10V dimming, and 1 circuit options only	FU - Fuse TB# - T-bar caddy clip specify grid size TG# - Tegular caddy clip specify grid size ST - Screw Slots caddy clip CU - Custom

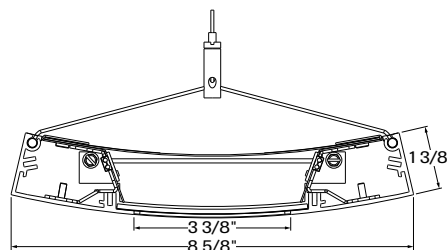
CROSS SECTION



SMIPSIB - aircraft cable



SMIPSIB - stem



SMIPSIB - sliding cable suspension

SMILE-PENDANT-SIB-SPEC-REV2

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November 17, 2021

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OPTICS

PRECISION MICRO-PRISM OPTIC (PMO) - Angled LED array with matte aluminum reflectors and precision Micro-Prism Optic (PMO) shielding of 0.1" thick acrylic. Precisely formed pyramidal prisms with a 0.06" square base provide outstanding control of high-angle brightness. With an 15/85 direct/indirect distribution, the widespread optic provides a batwing uplight distribution with peak intensity at 105°. The PMO optic provides 45° optical cut off for the downlight. Upper reflectors create options for a higher downlight component.

LIGHT SOURCE - LED

Custom linear array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4' AT 4000K

60/40 - 60% down - 40% up

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	30.5	3000	98
medium output	4000K	36	3500	98
high output	4000K	41.5	4000	97

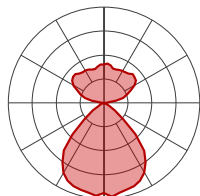
35/65 - 35% down - 65% up

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	28	3000	107
medium output	4000K	33	3500	106
high output	4000K	38	4000	105

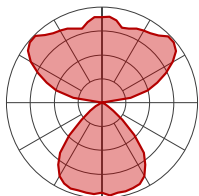
15/85 - 15% down - 85% up

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	34	3000	88
medium output	4000K	40	3500	87
high output	4000K	46.5	4000	86

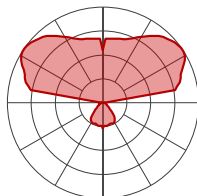
LIGHT DISTRIBUTION



60/40 - 60% down - 40% up



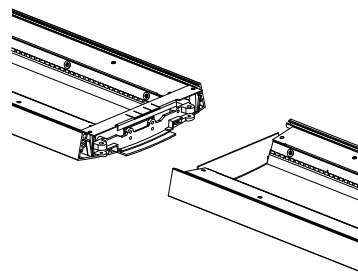
35/65 - 35% down - 65% up



15/85 - 15% down - 85% up

LUMINAIRE LENGTH

Smile is made up of standard 4, 8 and 12 foot sections only that may be joined together to create continuous run lengths. Nominal run length required must be noted in the product code. The minimum individual section available is 4 feet. All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.



Joining system for Smile (without dust cover)

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), Lutron 5-Series (5% Ecosystem) and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

EMERGENCY

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator; minimum of 90 minutes operation, up to 1000 lumens per 4ft (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS

Fixtures can be pendant-mounted, using aircraft cables, or stem-mounted.

Unless otherwise specified, Lumenwerx provides the following hardware:

For cable-mounted fixtures - 53WAC36 (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" cable)

For sliding cable-mounted fixtures - 53WAC36+SC (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" sliding aircraft cable)

For stem-mounted fixtures - 55WSW18 (5" white canopy for all power mounting point, and non power mounting point, and a 18" white stem)

Caddy clips, if required specify under **OPTIONS**

[For all other options, see our website for a detailed Pendant Mounting Guide](#)

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - Matte white or aluminum powder coating.

Custom finishes are also available.

CONTROLS

Lumenwerx offers several options for integrating occupancy and daylight harvesting controls in our luminaires.

STANDALONE CONTROLS

An integrated standalone sensor controls the luminaire in which it is installed.

Depending on the length, more than one sensor may be necessary and may control the entire luminaire, or just a section of it. These controls operate independently.

Unless otherwise agreed, location and functionality of the sensor within the luminaire are selected by Lumenwerx.

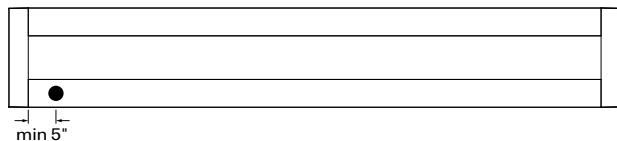
Three types are available:

OMS: An integral Passive InfraRed (PIR) sensor turns luminaires on and off automatically with field-adjustable time out period. No wall control is used.

Coverage pattern for large motion has a 12' diameter with the sensor mounted 8' above the floor; for small motion, the pattern has an 8' diameter. Typically, one sensor is required for every 10' of a continuous luminaire run.

ODS: An integral, daylight harvesting sensor with closed-loop operation dims the luminaire in which it is installed in order to compensate for available daylight. The sensor measures the combination of daylight and luminaire light reflected from horizontal surfaces below the luminaire. Initial onsite calibration is required via the use of provided remote control.

OCS: Both an occupancy and a daylight sensor are installed in the luminaire.



Location of an Onboard control

CONNECTED CONTROLS

With Connected Controls, sensors or nodes installed in the luminaire form part of a larger control system infrastructure from manufacturers such as: Lutron, Enlighted, Osram ENCELIUM, Acuity nLight, Crestron and others. These connected controls allow for a scalable system providing features like occupancy and daylight control, manual control, scheduling and configuration of various zones and scenes. Energy reporting and system monitoring are also possible. Specific capabilities depend on the control system being used.

Lumenwerx installs the components (sensors, nodes, power packs, etc) which may be supplied to us by a third party, or procured directly by Lumenwerx, depending on the control system manufacturer.

Lumenwerx is solely responsible for the installation of specified components; the controls manufacturer is responsible for performance of the control system.

To indicate a Lumenwerx luminaire with Connected Controls, identify the specific onsite control system to be integrated into the luminaires using the ordering code. Due to the diversity of components, you must contact controls@lumenwerx.com to assure complete compatibility with intended control system and to fully specify the luminaire.

Complete control specifications, sensor/node/power pack layout, and narrative for the control system are required for Lumenwerx to create shop drawings and submittals.

Please contact our controls department at controls@lumenwerx.com for further assistance.

CONSTRUCTION

Housing - Extruded aluminum 0.075" nominal, matte white or aluminum powder coating. Custom finishes are also available.

End cap - Die cast aluminum (0.95" nominal)

Joiners - Male/female system made in die cast aluminum (0.95" nominal)

Interior brackets - Die formed cold rolled sheet steel 20 gauge thick

Reflectors - Flat rolled aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted

Hanger - Chromed griplock securely attached with spring steel hardware in end caps and/or joiners

Aircraft cable suspension - 7x7 braids aluminum aircraft cable 0.06" thick

SMILE SIB LED

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Stem - 0.5" diameter threaded steel tube matte white or aluminum powder coating.
Custom finishes are also available.

WEIGHT

Smile 4ft - 9.91lbs - 4.5kg

Smile 8ft - 19.16lbs - 8.7kg

Smile 12ft - 28.41lbs - 12.9kg

CERTIFICATIONS

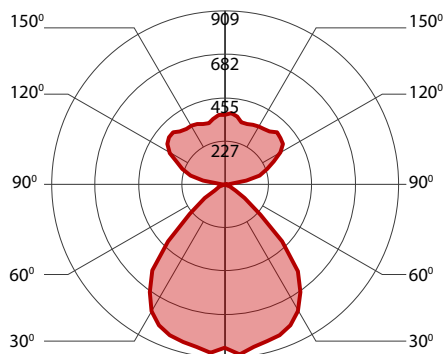
ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

PERFORMANCE AT 60/40 - 60% down - 40% up

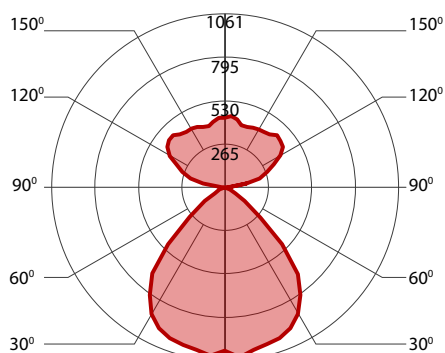
750 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	2700K	32.5	3000	92
low output	3000K	32	3000	93
low output	3500K	31.5	3000	94
low output	4000K	30.5	3000	98

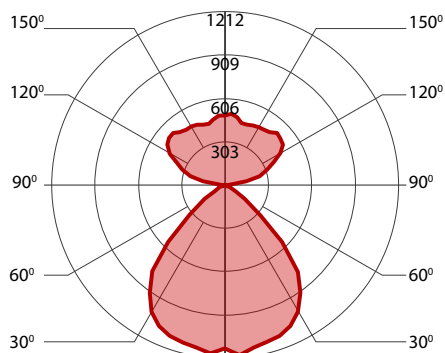
875 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	2700K	38.5	3500	91
medium output	3000K	38	3500	93
medium output	3500K	37	3500	95
medium output	4000K	36	3500	98

1000 LUMEN AT 80CRI - HIGH OUTPUT

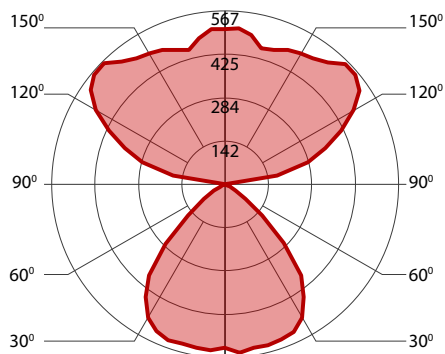


PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	2700K	44.5	4000	90
high output	3000K	43.5	4000	92
high output	3500K	42.5	4000	94
high output	4000K	41.5	4000	97

PERFORMANCE AT 35/65 - 35% down - 65% up

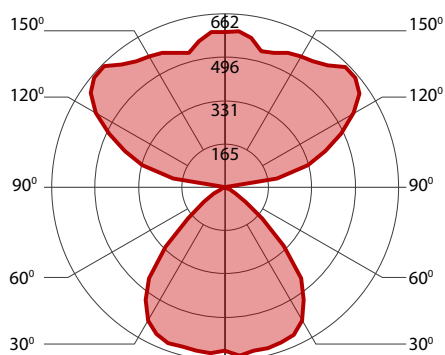
750 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	2700K	30.5	3000	99
low output	3000K	30	3000	101
low output	3500K	29	3000	104
low output	4000K	28	3000	107

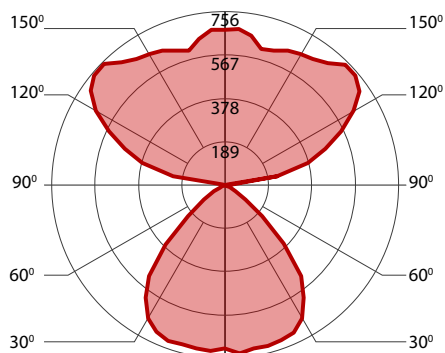
875 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	2700K	35.5	3500	99
medium output	3000K	35	3500	100
medium output	3500K	34	3500	102
medium output	4000K	33	3500	106

1000 LUMEN AT 80CRI - HIGH OUTPUT

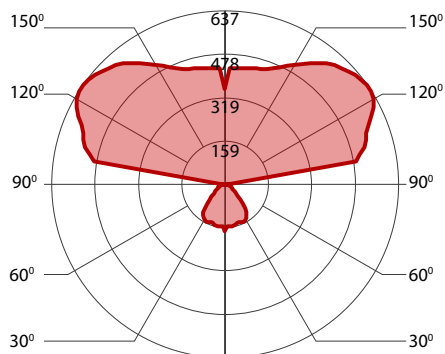


PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	2700K	40.5	4000	98
high output	3000K	40	4000	99
high output	3500K	39.5	4000	101
high output	4000K	38	4000	105

PERFORMANCE AT 15/85 - 15% down - 85% up

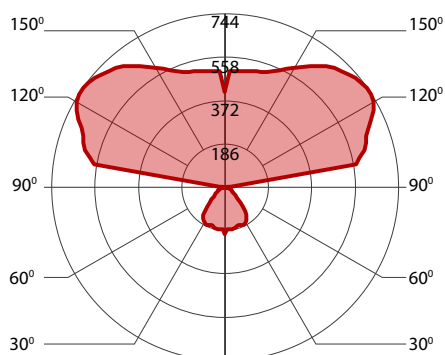
750 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	2700K	36.5	3000	82
low output	3000K	36	3000	84
low output	3500K	35.5	3000	85
low output	4000K	34	3000	88

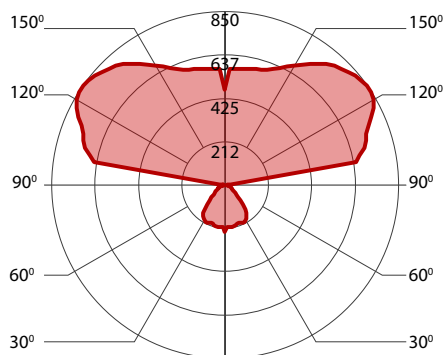
875 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	2700K	43	3500	81
medium output	3000K	42.5	3500	83
medium output	3500K	41.5	3500	84
medium output	4000K	40	3500	87

1000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	2700K	49.5	4000	81
high output	3000K	48.5	4000	82
high output	3500K	48	4000	84
high output	4000K	46.5	4000	86