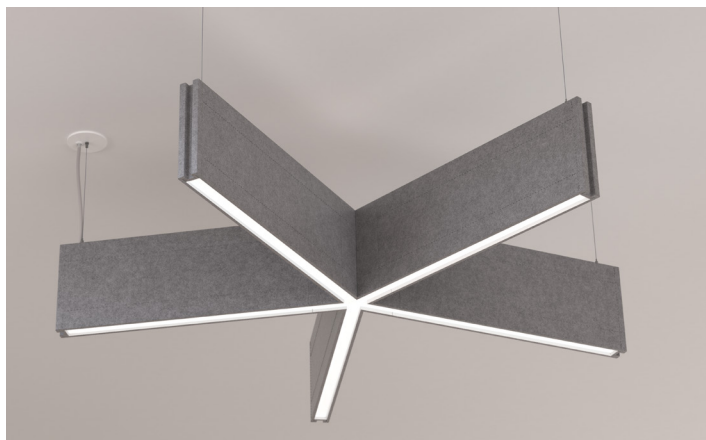


DATE	PROJECT	FIRM	FIXTURE TYPE
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## SPOKE - LIT

Spoke is a radial configuration of our flagship linear acoustic luminaire.

- Comprehensive solution to acoustical and lighting needs
- Designed to work in arrays alongside the Sabin Linear family
- 200LM/FT-1500LM/FT output
- Diffuse and batwing optical distribution options
- 3 to 8 legs
- 16 standard PET felt colors

## SPECIFICATIONS

CODE	BAFFLE SERIES	# OF LEGS + LENGTH <sup>1,2,3,4</sup>		HEIGHT <sup>1</sup>	CCT/CRI	CIRCUIT		DIRECT OUTPUT <sup>9</sup>					
L-60-L	<b>STA</b> STANDARD <b>SDA</b> STADIA <b>LTA</b> LAUTNA	___/14" (353MM) ___/26" (653MM) ___/38" (953MM) ___/49" (1253MM) ___/61" (1553MM) ___/74" (1878MM) ___/86" (2178MM) <sup>5</sup>	___/92" (2328MM) <sup>5</sup> ___/98" (2491MM) <sup>5,6</sup> ___/CL <sup>7</sup>	8" (200MM) 11" (285MM) 16" (400MM) 20" (500MM) 23" (585MM) 47" (1200MM) CH <sup>8</sup>	927 930 935 940	<b>SC</b> SINGLE CIRCUIT <b>DC</b> DUAL CIRCUIT (SHARED DIMMING)	<b>DNA</b> NO OUTPUT <b>D200</b> 200LM/FT <b>D500</b> 500LM/FT <b>D750</b> 750 LM/FT <b>D1000</b> 1000 LM/FT <sup>10</sup> <b>D1250</b> 1250 LM/FT <sup>10,11</sup> <b>CDO</b> CUSTOM OUTPUT						
INDIRECT OUTPUT		DIRECT OPTIC <sup>9</sup>		INDIRECT OPTIC	CONTROL	VOLTAGE		FELT COLOR					
<b>INA</b>	NO OUTPUT	<b>DNO</b>	NO OUTPUT (FELT INSERT)	<b>INO</b>	NO OUTPUT	<b>10</b>	0-10V	<b>UNV</b>	120V/277V	<b>9BS</b>	BISQUE	<b>9OB</b>	OBSIDIAN
<b>I200</b>	200LM/FT	<b>DDL</b>	DIFFUSE LENS	<b>IBB</b>	BARE BOARD			<b>347</b>	347V	<b>9BR</b>	BIRCH	<b>9PN</b>	PINE
<b>I500</b>	500LM/FT	<b>DBL</b>	BATWING	<b>IDC</b>	DUST COVER					<b>9CN</b>	CANARY	<b>9PM</b>	PUMICE
<b>I750</b>	750 LM/FT			<b>IBW</b>	BATWING					<b>9FL</b>	FLINT	<b>9QY</b>	QUARRY
<b>I1000</b>	1000 LM/FT <sup>10</sup>									<b>9GF</b>	GULF	<b>9SD</b>	SAND
<b>I1250</b>	1250 LM/FT <sup>10</sup>									<b>9HZ</b>	HAZEL	<b>9SP</b>	SAPPHIRE
<b>I1500</b>	1500 LM/FT <sup>10,12</sup>									<b>9JD</b>	JADE	<b>9SA</b>	SIENNA
<b>CIO</b>	CUSTOM OUTPUT									<b>9MS</b>	MOSS	<b>9WS</b>	WISTERIA
CORD COLOR <sup>13</sup>				MOUNTING		CANOPY <sup>15</sup>		FACTORY OPTIONS <sup>16</sup>					
<b>PCBK</b>	BLACK	<b>PCRD</b>	RED	<b>AC</b> ___	60" AIRCRAFT CABLE + (COLOR CODE) <sup>14</sup>	<b>RWH</b>	ROUND WHITE	<b>CSL</b> ___	CUSTOM SUSPENSION LENGTH 24"-120" <sup>17</sup>				
<b>PCBL</b>	BLUE	<b>PCGY</b>	GRAY	<b>WEB</b> ___	60" WEBBING + (COLOR CODE) <sup>14</sup>	<b>RBK</b>	ROUND BLACK	<b>EM</b> ___	EMERGENCY BATTERY <sup>18,19</sup>				
<b>PCBR</b>	BRONZE	<b>PCWH</b>	WHITE	<b>TRD</b>	3/8" THREADED ROD	<b>SWH</b>	SQUARE WHITE	<b>CT</b>	CUSTOM THREAD <sup>20</sup>				
<b>PCGR</b>	GREEN			<b>DTS</b>	DIRECT TO STRUT	<b>SBK</b>	SQUARE BLACK	<b>2CP</b>	INCLUDE 2" CANOPIES				
				<b>DTG</b>	DIRECT TO GRID								

<sup>1</sup> IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.

<sup>2</sup> INCLUDE THE QUANTITY OF SPOKE LEGS (3-8) IN BLANK BEFORE LEG LENGTH

<sup>3</sup> MINIMUM LENGTH FOR A BI-DIRECTIONAL UNIT IN A DUAL CIRCUIT CONFIGURATION IS 38" (953MM).

<sup>4</sup> ILLUMINATED SECTION OF FIXTURE IS 1" (27.5MM) SHORTER THAN TOTAL LEG LENGTH

<sup>5</sup> PET FELT REQUIRES A VERTICAL PART LINE DOWN CENTER OF BAFFLE.

<sup>6</sup> TRUE 8" CONTINUOUS LENS.

<sup>7</sup> CUSTOM LENGTHS AVAILABLE BETWEEN 14" - 98" (353-2491MM).

<sup>8</sup> CUSTOM HEIGHTS AVAILABLE BETWEEN 8" - 47" (200-1200MM).

<sup>9</sup> DIRECT DISTRIBUTION NOT AVAILABLE WITH LAUTNA BAFFLE SERIES

<sup>10</sup> NOT AVAILABLE IN BIDIRECTIONAL CONFIGURATION.

<sup>11</sup> NOT AVAILABLE WITH DIRECT DIFFUSE LENS (DDL).

<sup>12</sup> NOT AVAILABLE WITH INDIRECT BATWING LENS (IBW).

<sup>13</sup> POWER CABLE IS 18" LONGER THAN SUSPENSION LENGTH. CONSULT FACTORY FOR LONGER LENGTHS.

<sup>14</sup> REPLACE "\_\_\_" WITH DESIRED COLOR CODE. SEE PAGE 2 FOR COLOR OPTIONS AND CODES.

<sup>15</sup> 5" (127MM) CANOPY PROVIDED FOR FEED. 2" (50.8MM) CANOPY FOR NON-FEED PROVIDED UPON REQUEST.

<sup>16</sup> LEAVE BLANK IF NOT APPLICABLE. STRING TOGETHER MULTIPLE SELECTIONS.

<sup>17</sup> REPLACE "\_\_\_" WITH LENGTH OF DESIRED SUSPENSION.

<sup>18</sup> MINIMUM LENGTH FOR EM IS 49" (1253MM).

<sup>19</sup> REPLACE "\_\_\_" WITH QUANTITY OF EM SECTIONS.

<sup>20</sup> CONSULT FACTORY FOR CUSTOM THREAD COLOR OPTIONS.

SEE ADDITIONAL OPTIONS FOR SIZE AND CUSTOMIZATION AT [SABIN.BUILD](https://sabin.build)



EXAMPLE PART NUMBER: L-60-L-STA-5/49(1253)-11(285)-927-DC-D750-I750-DBL-IDC-10-UNV-9JD-PCWH-ACBLK-RWH

SABIN

LINEAR

SPOKE

DATE	PROJECT	FIRM	FIXTURE TYPE
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SWATCHES

Linear utilizes 9mm felt and has the option to customize color for cable and thread — and cord (for lit fixtures.)

Contact the factory for additional color options.

9MM FELT

  
BISQUE

  
BIRCH

  
CANARY

  
FLINT

  
GULF

  
HAZEL

  
JADE

  
MOSS

  
OBSIDIAN

  
PINE

  
PUMICE

  
QUARRY

  
SAND

  
SAPPHIRE

  
SIENNA

  
WISTERIA

WEBBING

  
CITRUS - CT

  
EMERALD - EM

  
FERN - FE

  
FROST - FR

  
HIBISCUS - HI

  
INDIGO - IN

  
IRIS - IR

  
POPPY - PO

  
SHELL - SH


  
SKY - SK


  
SLATE - SL

  
SPRUCE - SP


  
STONE - ST


CABLE


  
BLACK - BLK


  
SILVER - SLV


CORD


  
BLACK

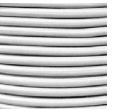
  
BLUE

  
BRONZE

  
GRAY

  
GREEN

  
RED

  
WHITE

Colors are subject to slight variation from your screen or paper to the finished product.

Declare.

PET Acoustic Felt  
Sabin LLC

Final Assembly: Chicago, Illinois, USA  
Life Expectancy: 30 Year(s)  
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:  
Polyethylene Terephthalate; Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[(4-(1-methyl-1-phenylethyl)phenyl)-1,3-benzenedicarboxylic acid, 3,3-bis(1-dimethylethyl)-4-hydroxy-, octadecyl ester; Octadecanamide; N,N'-4,2-ethanediylbis-; Stearic Acid; Titanium dioxide

Living Building Challenge Criteria:  
I-13 Red List:  
■ LBC Red List Free  
□ LBC Red List Approved  
□ Declared  
% Disclosed: 100% at 100ppm  
VOC Content: Not Applicable  
I-10 Interior Performance: Not Compliant  
I-14 Responsible Sourcing: Not Applicable

SAB-0001  
EXP: 01 JUL 2024  
Original Issue Date: 2023

INTERNATIONAL LIVING FUTURE INSTITUTE™ [livingfuture.org/declare](https://livingfuture.org/declare)

SABIN

LINEAR

SPOKE

DATE	PROJECT	FIRM	FIXTURE TYPE
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ACOUSTIC PERFORMANCE DATA

ALL SABIN PRODUCTS ARE SUBJECT TO ACOUSTIC TESTING. PERFORMANCE VALUES<sup>1</sup> WILL VARY BASED ON INSTALLATION FACTORS SUCH AS DENSITY AND MOUNTING HEIGHT.

SABINS

A SABIN IS A UNIT OF SOUND ABSORPTION DEFINED AS THE AMOUNT OF SOUND ABSORBED BY ONE SQUARE FOOT OF A PERFECT ABSORBER. IT WAS INITIALLY CONCEIVED AS THE EQUIVALENT OF 1 SQUARE FOOT OF OPEN WINDOW, REFLECTING NO SOUND BACK INTO THE INTERIOR. SABINS ARE USED TO EXPRESS THE TOTAL EFFECTIVE ABSORPTION FOR THE INTERIOR OF A ROOM. THIS CHART INDICATES AVERAGE SABINS PER UNIT AT THE NOTED FREQUENCIES WHICH REPRESENT THE TYPICAL RANGE OF HUMAN SPEECH OF 200-2500 HZ.

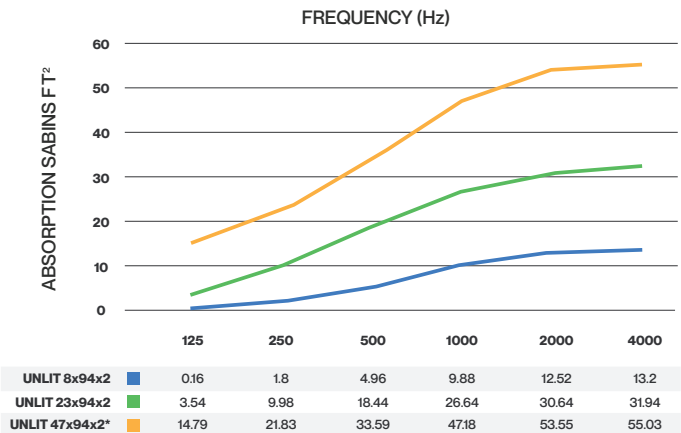
NRC

NOISE REDUCTION COEFFICIENT (NRC) IS A SINGLE NUMBER VALUE RANGING FROM 0.0 TO 1.0 THAT DESCRIBES THE AVERAGE SOUND ABSORPTION PERFORMANCE OF A MATERIAL. AN NRC OF 0.0 INDICATES THE OBJECT DOES NOT ABSORB MID-FREQUENCY SOUND ENERGY, BUT REFLECTS IT. AN NRC OF 1.0 INDICATES THAT THE SOUND ABSORPTION PERFORMANCE OF THE MATERIAL IS EQUAL TO ITS SURFACE AREA (MEASURED IN UNITS SABIN), OR CONCEPTUALLY 100% SOUND ABSORPTION.

CALCULATED NRC = .95

1 TOTAL SOUND ABSORPTION WILL VARY BASED ON DESIGNED PRODUCT CONFIGURATION.  
SABIN TESTS ALL PRODUCTS IN MULTIPLE CONFIGURATIONS.  
PLEASE CONTACT SABIN OR YOUR LOCAL AGENT FOR MORE INFORMATION.  
<sup>\*</sup> TESTED DATA USED FOR EXTRAPOLATION

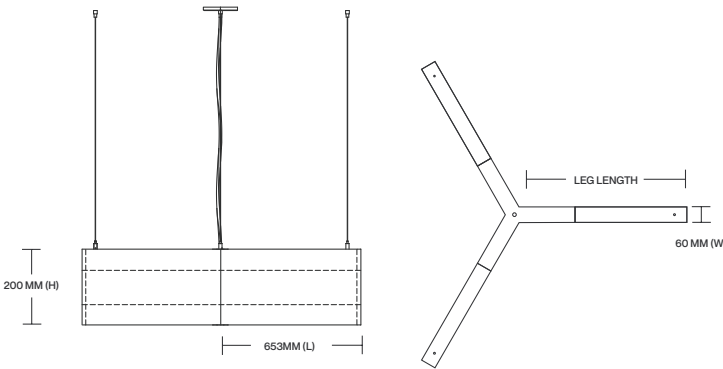
SABIN LINEAR FAMILY



DIMENSIONS + WEIGHT

SERIES	LENGTH <sup>1-4</sup>	HEIGHT <sup>1</sup>	WIDTH <sup>1</sup>
L-60-L	14" (353MM)	8" (200MM)	2" (60MM)
	26" (653MM)	11" (285MM)	
	38" (953MM)	16" (400MM)	
	49" (1253MM)	20" (500MM)	
	61" (1553MM)	23" (585MM)	
	74" (1878MM)	47" (1200MM)	
	86" (2178MM) <sup>5</sup>		
	92" (2328MM) <sup>5</sup>		
	98" (2491MM) <sup>5,6</sup>		

1 IMPERIAL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS ARE METRIC.  
2 ILLUMINATED SECTION OF FIXTURE IS 2" (53MM) SHORTER THAN TOTAL FIXTURE LENGTH.  
3 MINIMUM LENGTH FOR A BI-DIRECTIONAL UNIT IN A DUAL CIRCUIT CONFIGURATION IS 38" (953MM).  
4 MINIMUM LENGTH FOR EM IS 49" (1253MM).  
5 PET FELT REQUIRES A VERTICAL PART LINE DOWN CENTER OF BAFFLE.  
6 TRUE 8' CONTINUOUS LENS.  
  
<sup>\*</sup> ALL STANDARD DIMENSIONS ARE ECO-CONSCIOUS, MAXIMIZING MATERIAL USE AND MINIMIZING WASTE. CUSTOM DIMENSIONS RESULT IN EXCESS MATERIAL WASTE.



See Dimensions and Weight Table for Limitations

WEIGHT

PLEASE CONSULT THE FACTORY FOR PRODUCT WEIGHTS BASED ON CONFIGURATION AND PART NUMBERS.

DATE	PROJECT	FIRM	FIXTURE TYPE
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PHOTOMETRICS

DIFFUSE LENS (DIRECT)				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
D200	213*	2.665832	79.9	3500/90
D500	500	6.535948	76.5	3500/90
D750	750	10.5042	71.4	3500/90
D1000	1000	15.5521	64.3	3500/90
BATWING (DIRECT)				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
D200	200	2.18	91.6	3500/90
D500	500	5.71	87.5	3500/90
D750	750	9.06	82.8	3500/90
D1000	1000	13	76.9	3500/90
D1250	1248.05*	17.96	69.5	3500/90
NO OPTIC (INDIRECT)				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
I200	200	1.64	121.9	3500/90
I500	500	4.23	118.2	3500/90
I750	750	6.57	114.2	3500/90
I1000	1000	9.15	109.3	3500/90
I1250	1250	12.07	103.6	3500/90
I1500	1491.26*	15.60	95.6	3500/90
DUST COVER (INDIRECT)				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
I200	200	1.73	115.5	3500/90
I500	500	4.50	111	3500/90
I750	750	7.04	106.5	3500/90
I1000	1000	9.88	101.2	3500/90
I1250	1250	13.14	95.1	3500/90
I1500	1500	16.99	88.3	3500/90
BATWING (INDIRECT)				
POWER LEVEL	OUTPUT (LUMENS/FT)	ENERGY (WATTS/FT)	EFFICACY (LPW)	CCT/CRI
I200	200	1.95	102.5	3500/90
I500	500	5.10	98	3500/90
I750	750	8.04	93.3	3500/90
I1000	1000	11.40	87.7	3500/90
I1250	1237.53*	15.45	80.1	3500/90
I1500	1500	20.33	73.8	3500/90
CCT MULTIPLIER				
CCT	2700K	3000K	3500K	4000K
MULTIPLIER	0.93	0.98	1	1.03

\* TESTED DATA USED FOR EXTRAPOLATION

SABIN

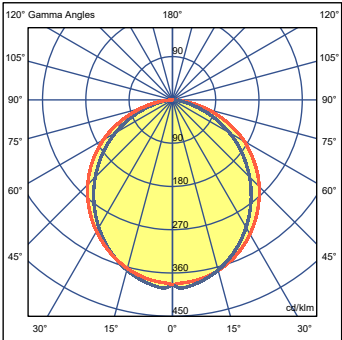
LINEAR

SPOKE

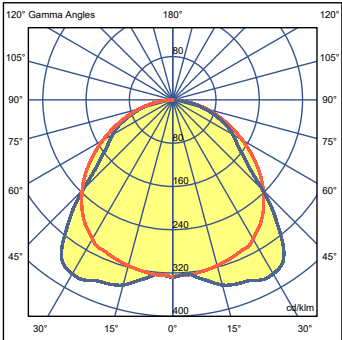
DATE	PROJECT	FIRM	FIXTURE TYPE
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PHOTOMETRICS

DIRECT LENS DISTRIBUTIONS

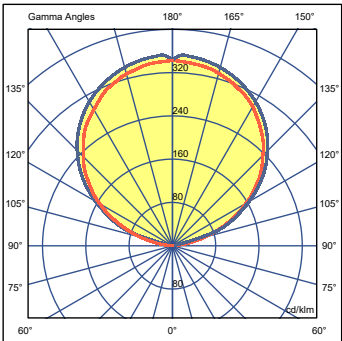


SIZE 49" (1253MM)  
TYPE DIFFUSE LENS (DDL)  
CCT 3500K  
WATTAGE 72.9 W  
LUMENS 4427.4 LM  
EFFICACY 60.7 LM/W

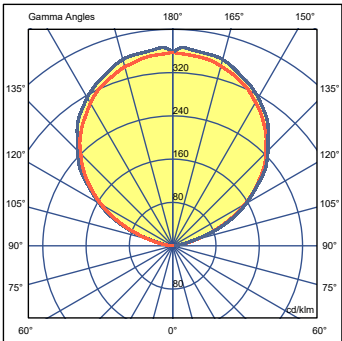


SIZE 49" (1253MM)  
TYPE BATWING (DBL)  
CCT 3500K  
WATTAGE 71.84 W  
LUMENS 4992.2 LM  
EFFICACY 69.5 LM/W

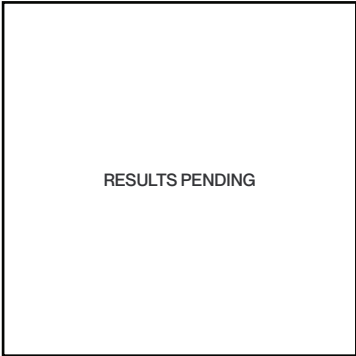
INDIRECT LENS DISTRIBUTIONS



SIZE 49" (1253MM)  
TYPE NO OPTIC  
CCT 3500K  
WATTAGE 62.39 W  
LUMENS 5965 LM  
EFFICACY 95.6 LM/W



SIZE 49" (1253MM)  
TYPE DUST COVER (IDC)  
CCT 3500K  
WATTAGE 61.16 W  
LUMENS 5500.4 LM  
EFFICACY 89.95 LM/W



SIZE 49" (1253MM)  
TYPE BATWING (IBW)  
CCT 3500K  
WATTAGE 61.77 W  
LUMENS 4950.1 LM  
EFFICACY 80.1 LM/W

DATE	PROJECT	FIRM	FIXTURE TYPE
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## ACOUSTIC MATERIAL

OUR 9MM PET (POLYESTER) FELT PANELS CONTAIN MINIMUM 60% POST-CONSUMER RECYCLED POLYESTER STAPLE FIBER. THE MATERIAL IS MOISTURE RESISTANT, FIRE RATED AND RECYCLABLE. THE POROUS MATERIAL IS AN OUTSTANDING ABSORBER OF ACOUSTIC ENERGY.

- FIRE RETARDANT: ASTM E84 CLASS A, EN13501 CLASS B
- DECORATIVE: 11 STANDARD COLORS
- CONSTRUCTION: 100% POLYESTER FIBER (PET)

## CONSTRUCTION

ACOUSTIC LUMINAIRE COMPRISED OF ≥ 60% RECYCLED PET MATERIAL UTILIZING SEWN CONSTRUCTION TO MAXIMIZE STRENGTH, DURABILITY AND SOUND ABSORBENCY.

## LED LIGHT ENGINE

HIGH EFFICIENCY LIGHT MODULE INCORPORATES PREMIUM LEDS WITH HEAT SINK TO MAXIMUM LIFETIME. AVAILABLE IN 2700K, 3000K, 3500K OR 4000K CCT WITH >90 CRI. COLOR ACCURACY = 2.2X SDCM @ 3500K ±65K ΔUV +0.0032

STANDARD DEVIATION COLOR MATCHING (SDCM) BASED ON ANSI STANDARD C78.377A INDICATES THE VISIBLE VARIANCE IN CORRELATED COLOR TEMPERATURE, ALSO REFERRED TO AS "MACADAM ELLIPSE".

## ESTIMATED USEFUL LIFETIME

ESTIMATED USEFUL LIFETIME BASED ON 10,000 HOUR TEST DURATION @ 131°F (55°C)

- L90 = 53,000 HRS
- L80 = 60,000 HRS
- L70 = 60,000 HRS

ANSI/IES TM-21 METHOD FOR EVALUATING USEFUL LIFETIME IS LIMITED TO 6X TEST DURATION (10,000 HOURS X 6 = 60,000 HOUR MAX).

## OPTICS

EXTRUDED .06" (1.52MM) ACRYLIC LENS DESIGNED FOR EFFICIENT AND HOMOGENEOUS LIGHT DISTRIBUTION WITH SUPERIOR COLOR OVER ANGLE PERFORMANCE.

## ELECTRICAL

HIGH QUALITY CLASS P ISOLATED POWER SUPPLY WITH UNIVERSAL (120-277VAC) AND 347V INPUT VOLTAGE. MEETS UL OPERATION RATING DRY & DAMP (IP40) MAX 185°F (85°C) FOR 50,000 HOUR LIFE. LUMINARIES ARE PRE-WIRED WITH FACTORY INSTALLED BRANCH CIRCUIT WIRING.

POWER FACTOR:  
- 0.95 @ 120VAC  
- 0.90 @ 277VAC  
- 0.90 @ 347VAC

## DIMMING

STANDARD 120-277V OR 347V CONSTANT CURRENT DRIVER INCLUDES 0-10V ANALOG DIMMING TO 10%

## MOUNTING

SUSPENDED BY VARIOUS METHODS INCLUDING 1/16TH AIRCRAFT CABLE, WEBBING, OR THREADED ROD (ADAPTERS PROVIDED, THREADED ROD BY OTHERS). AVAILABLE IN PRECUT LENGTHS OF 36" (915MM), 60" (1524MM), OR 120" (3048MM) WITH FABRIC-COVERED POWER CORD AND 5" (125MM) CANOPY.

## CERTIFICATES/LISTING

TESTED IN ACCORDANCE WITH NEC, ANSI/NFPA 70 STANDARDS. ETL LISTED IN ACCORDANCE WITH UL STANDARDS. INDOOR USE ONLY. SUITABLE FOR DRY LOCATIONS, IP20, ROHS COMPLIANT. TITLE 24 JA8-2016 FOR 90 CRI CONFIGURATIONS ONLY.

## WARRANTY

FIXTURE RATED FOR OPERATION IN CONDITIONED ENVIRONMENTS UP TO 77°F (25°C). FIXTURE IS WARRANTIED TO BE FREE FROM DEFECTS AND/OR FAILURE UNDER NORMAL USE AND PROPER STORAGE FOR FIVE (5) YEARS FROM DATE OF SHIPMENT.

## CARE

PET ACOUSTICS AND LENSING: REMOVE DUST WITH COMPRESSED AIR, A VACUUM OR LINT ROLLER. ALUMINUM & POLYMER COMPONENTS: REMOVE DUST AND DEBRIS WITH A CLEAN, DRY, OR DAMP LINT-FREE CLOTH.

FOR FIXTURES SPECIFIED WITH AN EMERGENCY BATTERY/DRIVER: 10W INTEGRAL BATTERY WITH SELF-TESTING/METAL TEST SWITCH/INDICATOR LIGHT (BI-COLOR). UP T 1500 LUMENS IN A 4FT SECTIONS FOR A MINIMUM OF 90 MINUTES. LISTED TO UL924 AND TESTED TO CSA 22.2 NO.141 FIELD OR FACTORY INSTALLATION (INDOOR AND DAMP). OUTPUT CLASS 2 COMPLIANT. INPUT CEC TITLE 20 COMPLIANT.