D2ADU

Dynamic Detached Accessory Dwelling Unit

Uttamchandani

Table of Contents

For schematic use only.

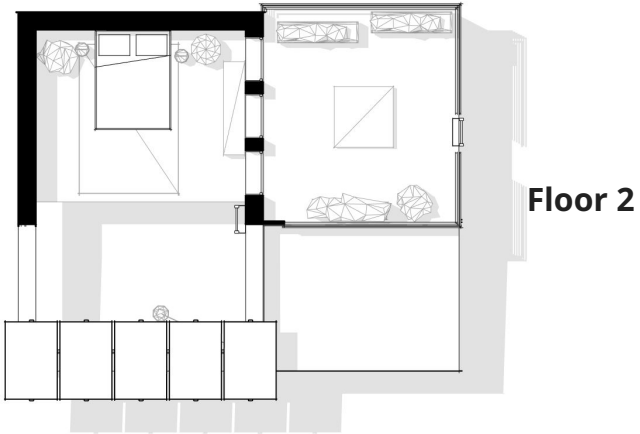
Project Description

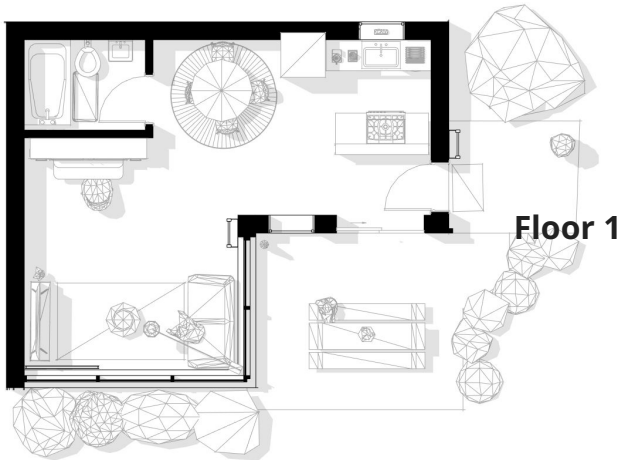
Narrative and Plans.

This is a Detached Accessory Dwelling Unit (DADU) intended as a semi-permanent residence for 1-2 people. With about 600 square feet split over a ground floor and a lofted sleeping space, this structure is designed with multiple pockets of functionality that each have designated individual applications.

This building was designed with environmental consciousness in mind, utilizing with passive heating, south-facing glass, translucent window shades, and a rooftop garden. It has a kitchen with a bar next to the front door and sliding doors that serve onto the ground-level patio, a small bathroom without windows, a small dining table, a study area facing away from the windows using a built-in cabinet/murphy bed as the desk, a living area with lots of south glass, and a sleeping loft with small windows that look onto the rooftop garden. It also has a solar roof and has no skylights.

All of these mixed uses, combined with window placement, focal spots, limited ceiling access on the sloped portion, and ceiling height, mean that this is a unique environment with varied conditions for testing lighting solutions.

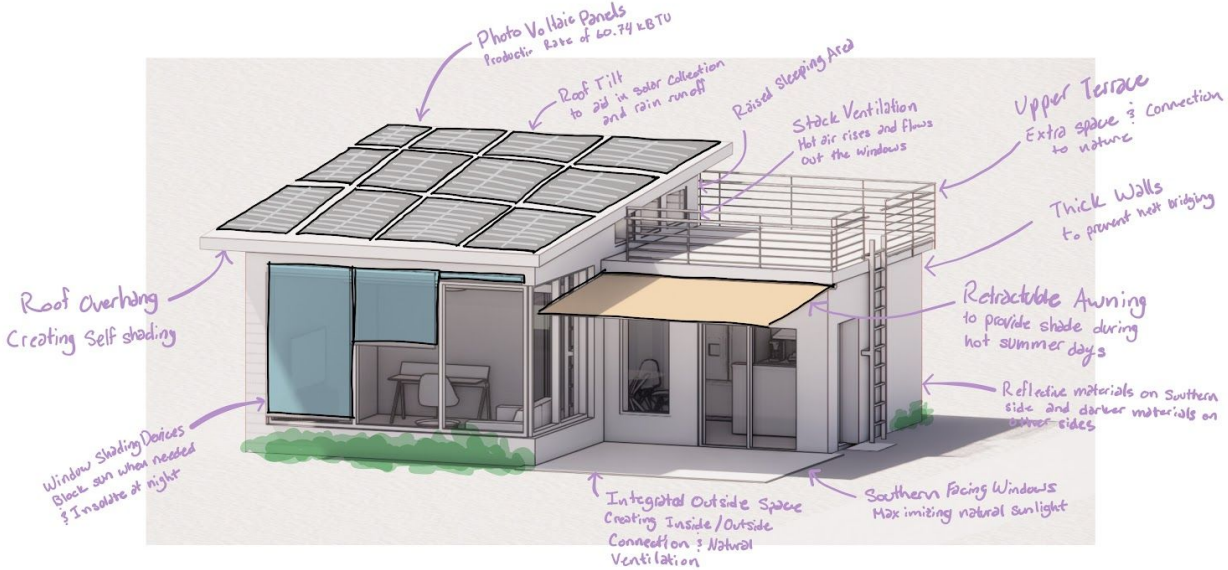




Sustainability

Project Introduction.

Though its relevance to this project was minimal due to time constraints, sustainability was a key goal in the initial design of this building. This primarily impacts the lighting design due to the large south-facing windows, which reduces the lighting needs during the daytime. This also drove the focus on dimmability and adjustability, as this allows for changes to lighting to minimize its energy use by reducing energy waste.



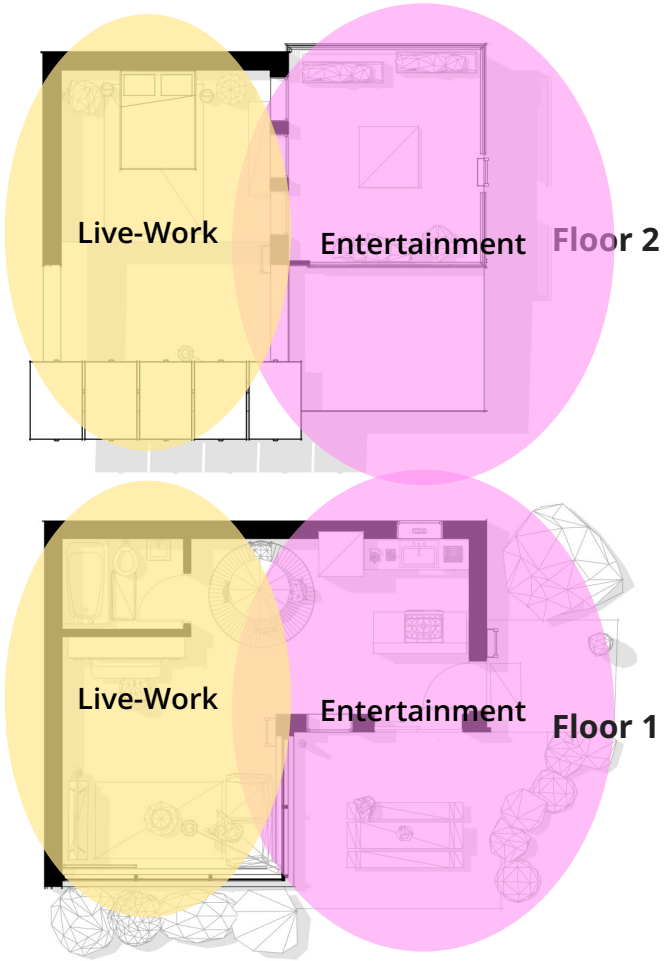
Design Foundations

Project Needs and Quantitative Goals.

With a rudimentary understanding of the building layout and sustainable goals, it's important to understand the implications on lighting. This ADU can be divided into two main branches within the building's L-Shaped form: a Live-Work branch and an Entertainment branch.

The live-work branch has the following lux targets for the needs of individual areas:
Exterior: 4-8 lux
Kitchen: 50-300 lux
Dining: 50-150 lux
Bathroom: 100-200 lux
Office: 200-400 lux
Living: 15-500 lux
Sleeping: 30-80 lux

These targets are fairly prescriptive and may not meet the needs of a more responsive, ever-changing entertainment space. An ideal lighting system would consider both of these needs.



Design Foundations

Initial Qualitative Lighting Narrative/Goals.

The following denotes the original goal for lighting design of the space — prior to further development of the design:

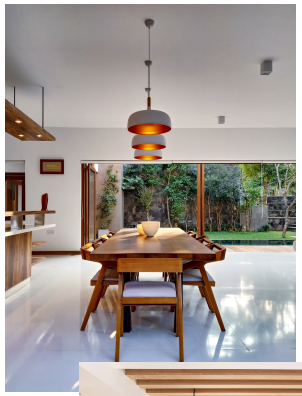
In considering lighting applications for the space, the term “dynamic” should serve as a focal point. Through its relationship with the exterior, natural lighting should play with artificial lighting at all times of day and all seasons. Rather than uniform lighting throughout the interior and into the exterior, the functional areas throughout the space should create individual - yet not isolated - “pockets” that can dynamically shift based on usage and time of day. This concept should extend to the exterior. A few examples are as follows. In the exterior, lighting can be bright for safety, warm for parties, or dim/off when stargazing or using only interior spaces. In the primary living space, the light should be able to be bright for socializing, relaxing, or working, or dim and colorful for movies — all of which should not impact the nearby working-focused desk space. The primary living space should aim to harness daylight as best as possible, including not just the use of lights that adapt (ex: as the sun sets, or as clouds roll in) but by working with the blinds to cover the windows. This does apply to the entire building, but particularly the primary space and the exterior. Lighting should also play with the pastel green accent wall in the space. In reference to specific fixtures — lighting should be warmer, rather than cooler, to accent the wooden floors and to minimize disoriented feelings that I personally get in residential spaces with overly cool lights. Lighting fixtures should be used to humanize the scale of elevated spaces (exterior, primary living area), with goals of using string lights, or some kind of arc lamp. When working towards specific targets, illumination levels shall be considered for each of the primary spaces, but should ideally connect into a dynamic system to allow for variations due to exterior, behavioral, or use-based factors.

Retrospectively, this appropriately synthesizes core concepts for the project’s lighting design, but a lack of research, specific details, and visualizations hinder the understanding of this as a goal.

Lighting Research

Daytime Lighting.

With an understanding of “dynamic” as a key project goal, lighting concepts were researched to understand potential concepts to design around. Ideas included an orientation to exterior views, a focus on the space’s green accent wall, an abundance of daylight, and a purposeful warmth to the lighting.



Lighting Research

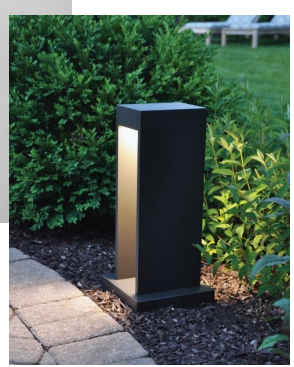
Nighttime Lighting.

Lighting concepts at nighttime highlighted the use of string lights in the exterior to humanize the scale, task-oriented lights with ambience between them, and the use of multicolor lights to create a calmer, more variable environment. It was noted that darker walls with a gray color enhanced night design, leading to the idea of deliberately miscoloring the green accent wall.

Luminaire Research

Adapted from earlier lighting concepts.

Luminaires have distinct purposes — ex: hanging accent lights or dedicated task lights — and are located in both the live-work area and entertainment area, inside and outside. These lights are intended to be dimmable and color changeable, to adapt to any needs. In order, the below lights are used as: the living room chandelier, living room task light, general task light, dining table chandelier, bedside light, and outdoor supplementary light.



Lighting Studies

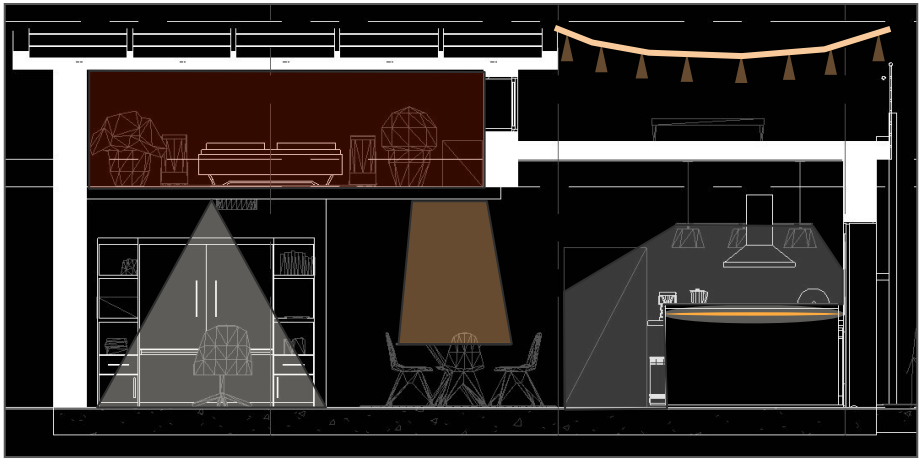
Understanding lighting implications.

In an effort to understand the impacts that lighting fixtures have on the perception of this project, early lighting studies were conducted. This also helped to understand how lights play with the green accent wall — either for accentuating it with bright lights or for dulling it to ensure that it does not take away from multicolor lights. Below are images of these initial lighting studies, including a direct lighting approach using downward can lights, an indirect lighting approach with upward-angled bar lights, and a wall-washing approach using wall-angled bar lights. A combination of all three was employed in the final system.

DYNAMIC

...is the core lighting concept for the project.

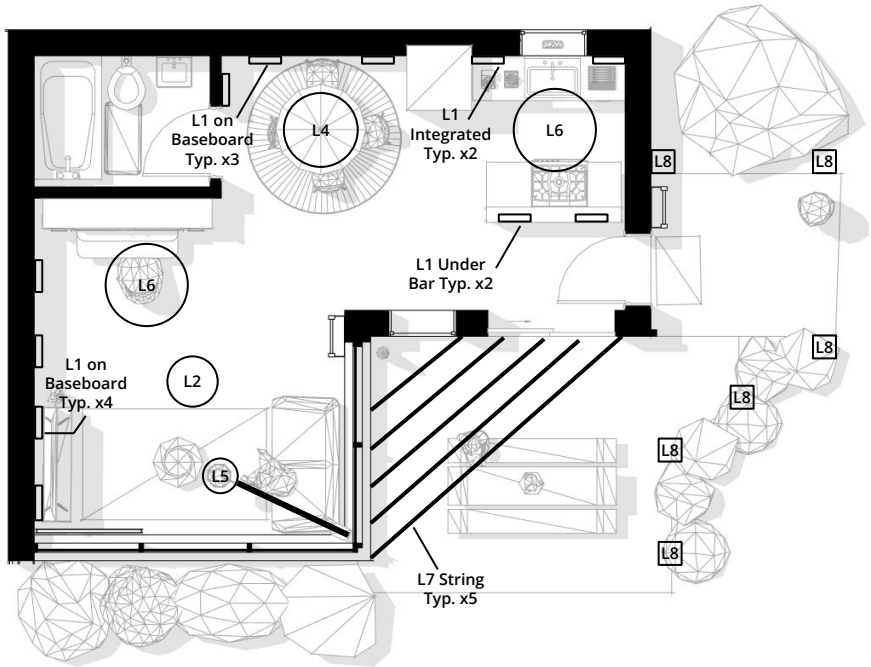
This idea aims to provide multipurpose and changeable lighting for all situations. It creates “pockets of light” for individual task areas, with two lighting options: “primary” lighting and “scene” lighting. Below is an early Beam Study in the space with initial lighting concepts overlaid, including multicolor lighting, exterior string lighting, bright task lights, targeted dining lights, and bar lights.

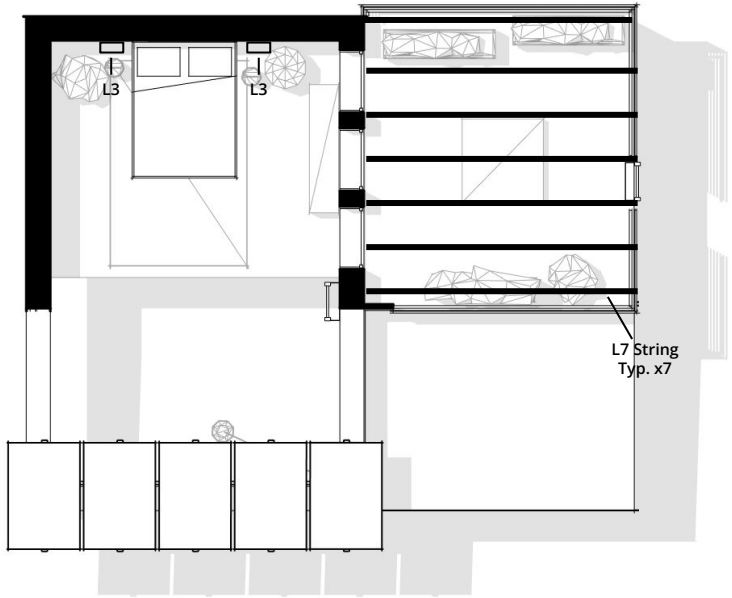


Lighting Plans

Not To Scale. Level 1 and Level 2.

Tags can be referenced in the luminaire schedule included in the appendix.





Lighting Analysis

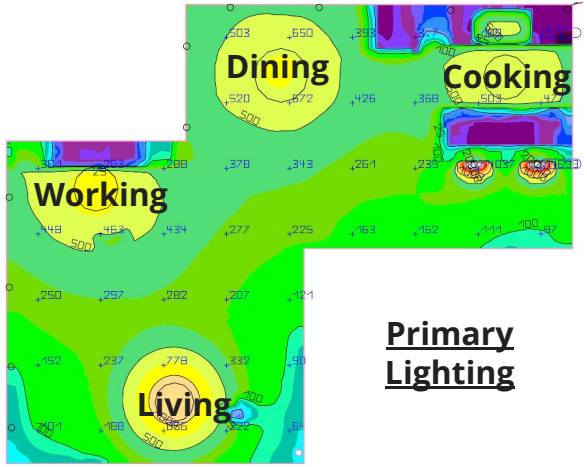
Understanding “Dynamic” lighting options.

Primary Lighting:
Used fairly regularly — ambiently during the day, and often at night; meets most of the needs of the space. Purpose-driven task lighting, meeting specific lighting targets for function and safety. Uses green wall as color accent. Bright, but warm lighting, emphasizing individual pockets of light for each area (see diagram).

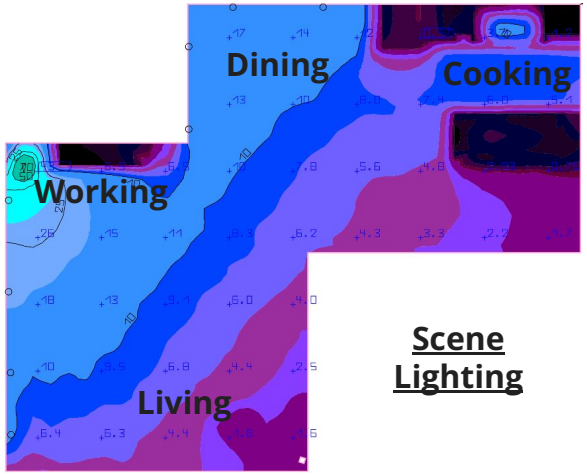
Scene Lighting:
Used deliberately — late at night when winding down and craving darkness, during movie nights, events, or other specialized uses. Washes out green wall, turning it into grey backdrop. Intended to create an atmosphere, using multicolored lighting to darken the space (see diagram). Many different options, very flexible.

Additional Note:
These lighting scenes may be integrated with computer-controlled environmental systems — including blinds, shaders, operable windows, and daylight sensors.

*Yellow is lightest, Black is darkest

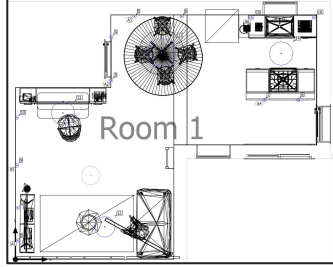


Primary Lighting



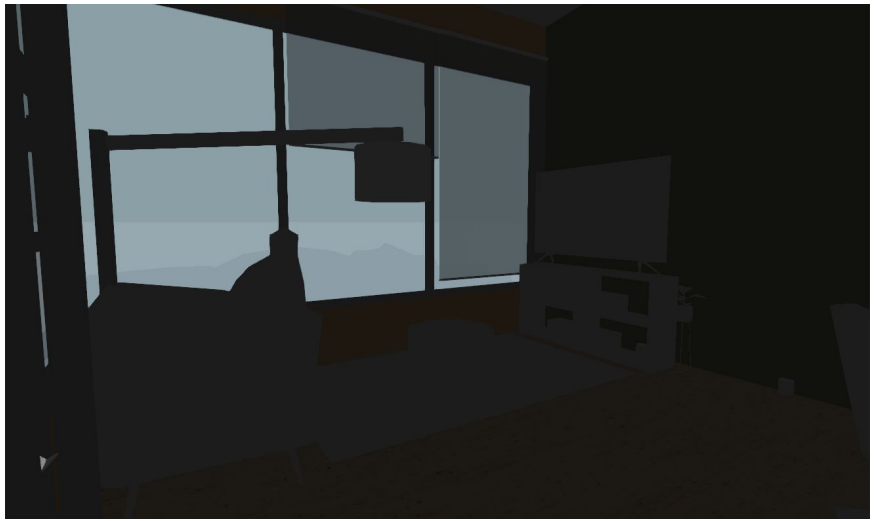
Scene Lighting

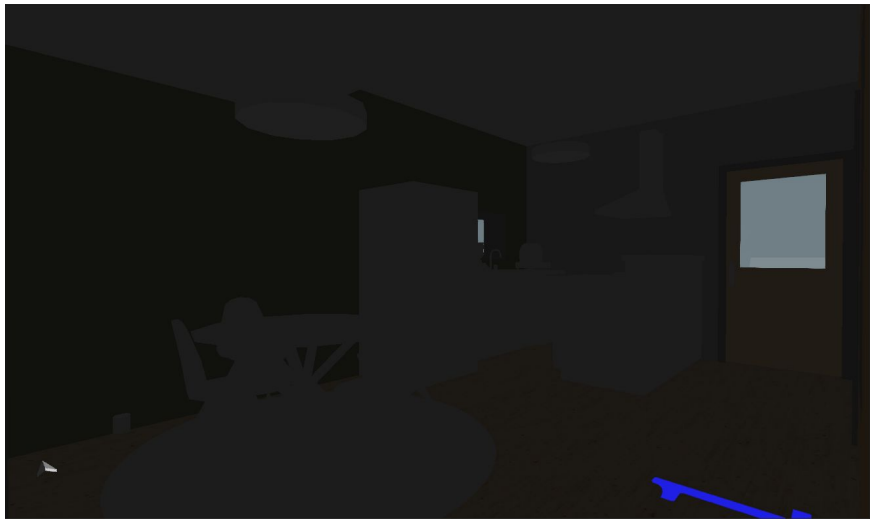
Scenario 1

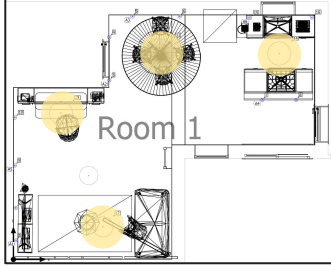


Nighttime No Lighting: Living Room and Kitchen.

Control group — to show the impact of the lights on the space.



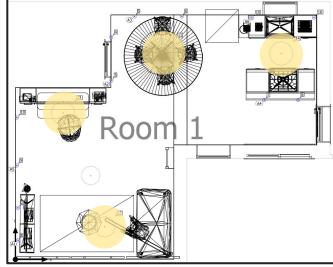




Scenario 2

Daytime Primary Lighting: Living Room and Kitchen.

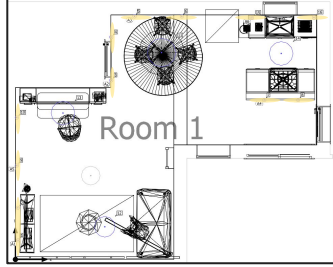
Turning on 4 warm task lights (see plan in top right). An abundance of daylight is entering the space through the south side of the building — these lights may not be needed, but this demonstrates a potential use case and the lights' warmth. The green accent wall is prominent.



Scenario 3

Nighttime Primary Lighting: Living Room and Kitchen.

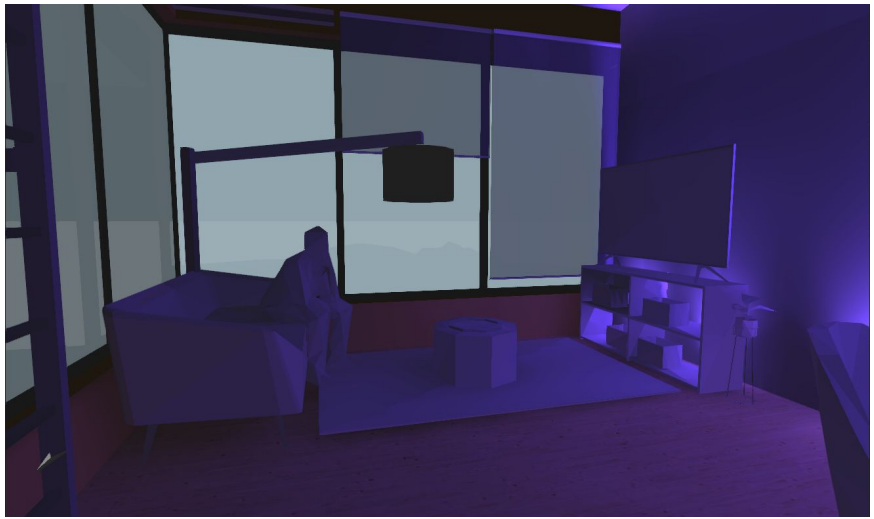
Same angles and task lights from Scenario 2, but at night. Lights are now critically important for tasks. These are spaced out deliberately — not just over task areas, but far enough apart to create pockets of light (see Page 13) and to avoid being overwhelming and washing out the space.

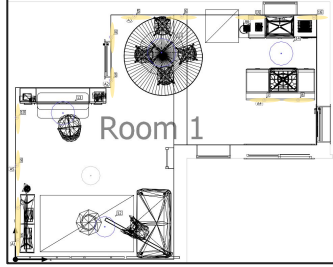


Scenario 4

Nighttime Scene Lighting: Living Room and Kitchen.

Switching from Primary Task Lighting (Scenarios 2-3) to Scene Lighting. This demonstrates wall washing accents (see top right plan), colored purple for a space-themed movie. The green accent wall is washed out in all scene lighting scenarios, so it no longer impacts the lighting experience.

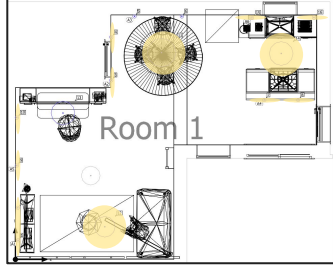




Scenario 5

Nighttime Scene Lighting: Living Room and Kitchen.

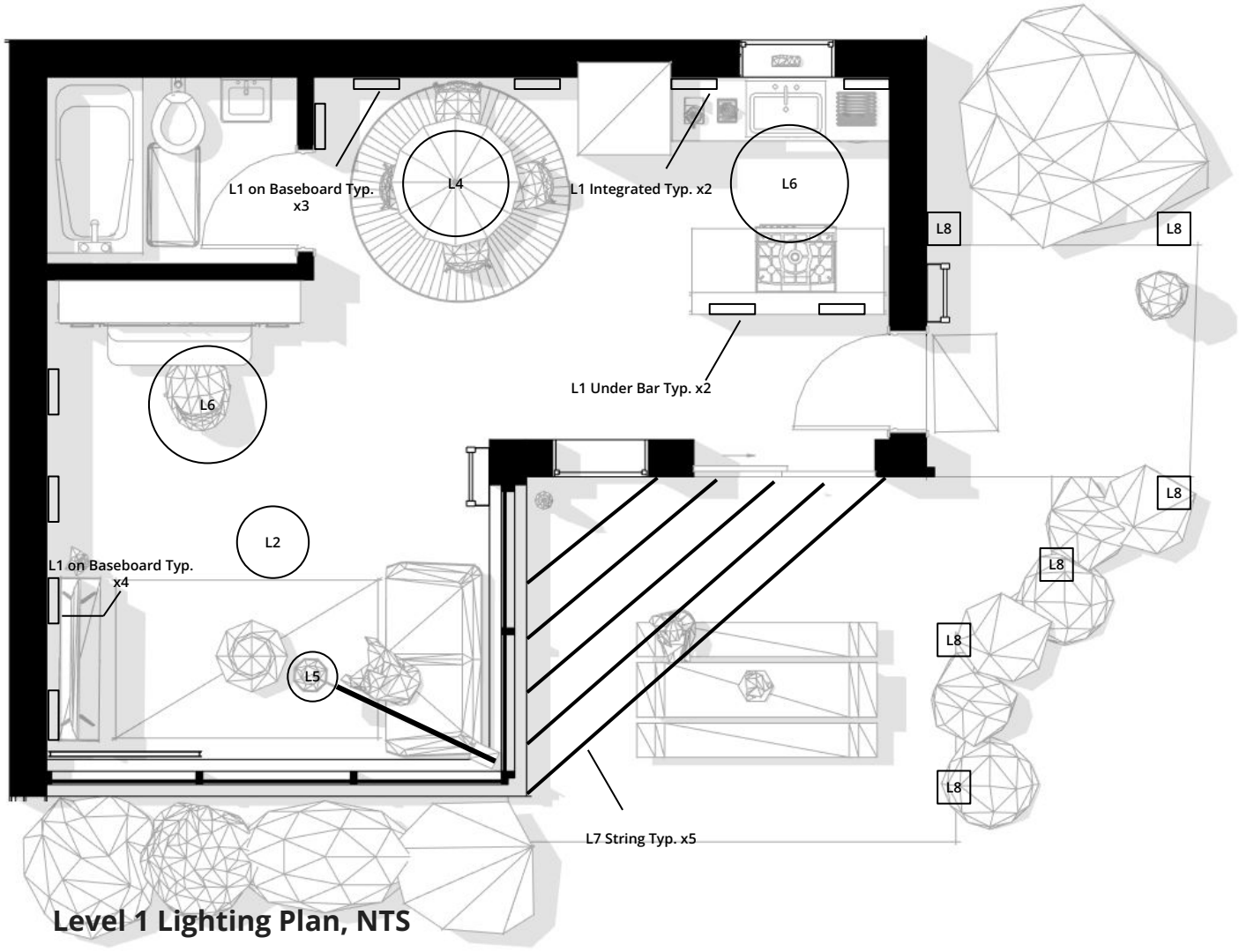
This demonstrates that lights are individually dynamic — individual lights can be dimmed or changed. Here, lights have been changed to create a 2-color scheme, potentially showing support for a sports team on a game night.



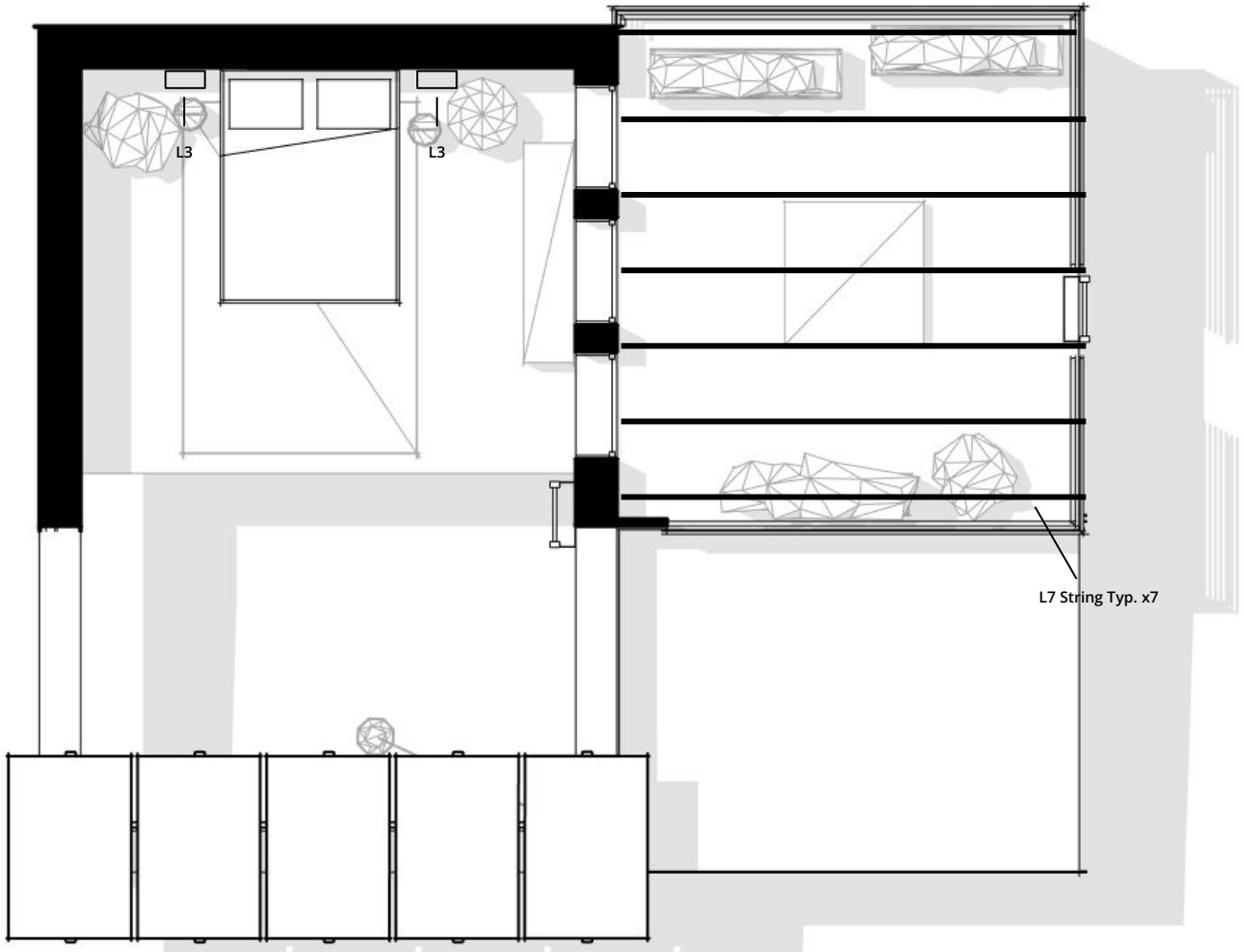
Scenario 6

Nighttime Scene Lighting: Living Room and Kitchen.

3 wall lights have been turned off, 3 task lights have been turned on (see top right plan). Task lights are dimmed and colors have been adjusted to green and red, potentially for a holiday party. This demonstrates the versatility of the lighting system, particularly in this primary volume.



Level 1 Lighting Plan, NTS

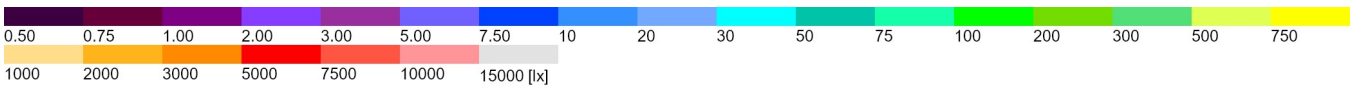


Level 2 Lighting Plan, NTS

DIALux

Building 1 · GROUND · Room 1 (Primary Lighting)

Working plane (Room 1)

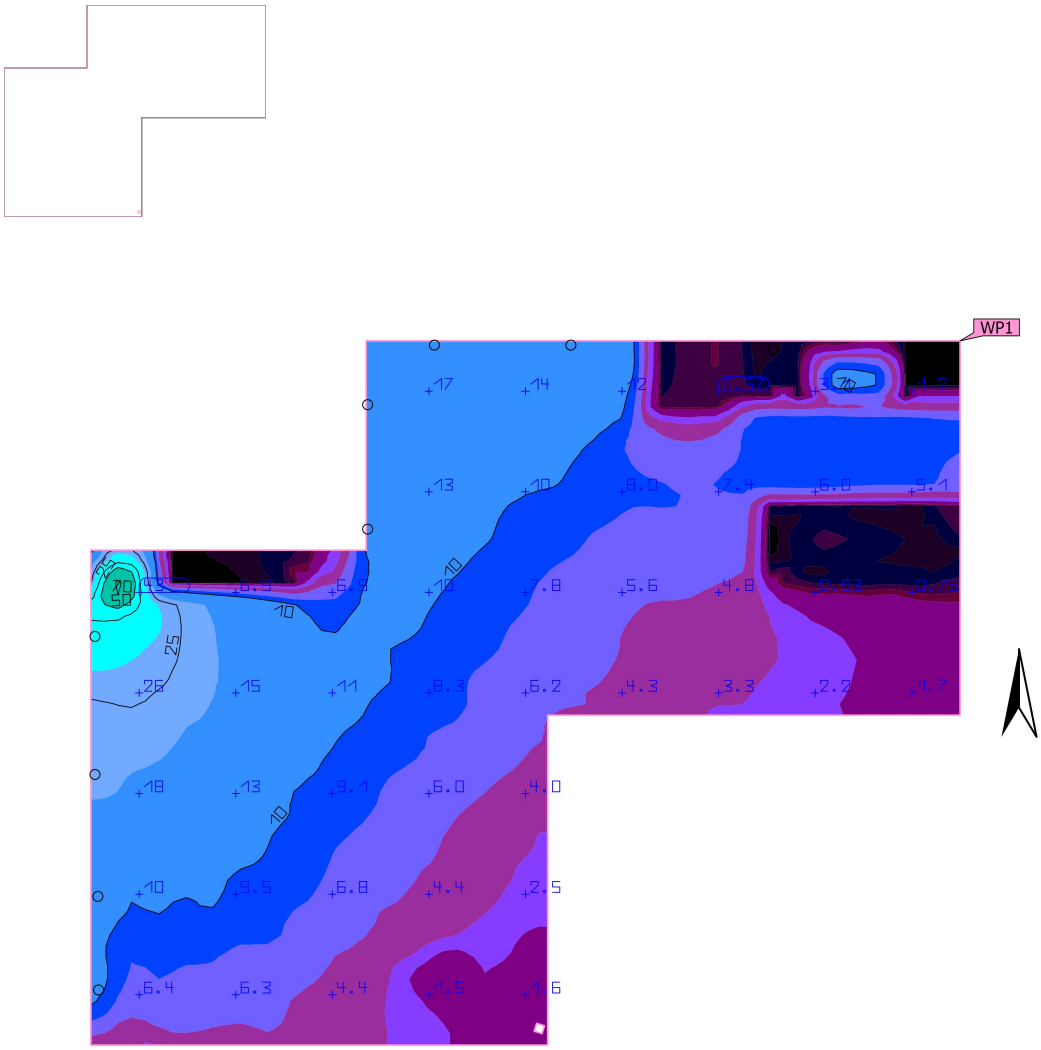


Properties	Ē (Target)	E_{min}	E_{max}	U_o (g_1) (Target)	g_2	Index
Working plane (Room 1) Perpendicular illuminance (adaptive) Height: 2.625 ft, Wall zone: 0.000 ft	386 lx (≥ 500 lx) ✗	0.51 lx	103757 lx	0.001 (≥ 0.60) ✗	0.000	WP1

DIALux

Building 1 · GROUND · Room 1 (Scene Lighting)

Working plane (Room 1)



Properties	Ē (Target)	E_{min}	E_{max}	U_o (g_1) (Target)	g_2	Index
Working plane (Room 1) Perpendicular illuminance (adaptive) Height: 2.625 ft, Wall zone: 0.000 ft	8.30 lx (≥ 500 lx) ✗	0.097 lx	72.5 lx	0.012 (≥ 0.60) ✗	0.001	WP1

Tag	Image	Description	Size	Lumens	Temperature	Product	Mounting	Quantity	Usage	Notes
L1		Edison Price Lighting: Spredlight Cove Mounted High Lumen Wallgrazer Baffle; Cove Mounted LED Enhanced Shielding Wallgrazer.	Between 18 and 45 inches.	2300L - 2600L	2700K - 5000K	Edison Price Lighting SPR-CLPH2-DL9 Standard	Mount on top of baseboards; embed in kitchen countertops; or mount underneath bar countertop.	11	Wall Lighting and Bar Lighting	https://epl.com/product/spr-clph2-dl9/ For accent wall lighting and under the bar
L2		Artemide North America: SCOPAS Suspension by Neil Poulton.	24" Diameter	N/A	3000K	Artemide Group 1529018A	Hang from slanted ceiling from single mounting point. Access from Loft.	1	Chandelier	https://www.artemide.net/en/product/?family=scopas-suspension For living area pendant
L3		Visa Lighting: Linear Art Sconce	13.5" Long	1100L - 2000L	3000K - 4000K	Visa Lighting CB3141	Mount to wall adjacent to bed.	2	Bedside Lighting	https://www.visalighting.com/products/indoor/wall/linear-art-sconce Above bedroom side tables
L4		Visual Comfort and Co. | Tech Lighting Modern Collection: Grace 36 Chandelier by Sean Lavin	35.8" Diameter	5768L	3000K - 3500K	Tech Lighting 700GRC	Hang on ceiling above dining table.	1	Chandelier	https://v1.techlighting.com/Products/Fixtures/Chandeliers/Grace-36-Chandelier Above Dining Table
L5		FLOS: SuperArchimoon by Philippe Starck, 2000	21" Diameter; 8' arm	2450L	2700K - 3000K	FLOS F6366020	Position in SouthEast corner of Living Room overhanging Cofee Table.	1	Floor Lamp - Task Light	https://professional.flos.com/en/global/product/superarchimoon-f6366020/ In Living Room
L6		Delta Light: SUPERNOVA FLAT 65 Down-Up 930 DIM5 B	25.5" Diameter	1487L - 7776L	3000K	Delta Light 20612 9305 B	Hang 0.5' - 2' from ceilings of office and kitchen.	2	Chandelier - Task Light	https://deltalight.com/en/products/supernova/supernova-flat/supernova-flat-65-down-up-930-dim5-b-black Above office and in kitchen
L7		American Lighting | Bright Ideas, Innovative Solutions: Festoon	Cable length and socket spacing adjustable by specification	90L Per Bulb	3000K	American Lighting LFS-12V-1-LED-WW	Specify length per string; hang from hanging poles on rooftop or building corner on patio.	12, at varying lengths	Festoon / String Light - Exterior Light	https://americanlighting.com/Festoon String Light
L8		Visual Comfort and Co. | Tech Lighting Modern Collection: Syntra 18 Outdoor Path by Sean Lavin	8" Square; 18" Tall	255.8L	3000K	Tech Lighting 7000T150T	Mount to grass adjacent to slab	6	Exterior Light - Bollard	https://v1.techlighting.com/Products/Fixtures/Outdoor-Pathway-Lights/Syntra-18-Outdoor-Path Outdoor additional lighting

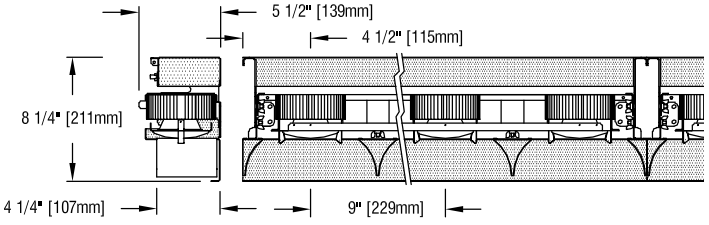
Project | Type

Date | Product Code | Designer

MADE IN USA
Click Here

SPREDLITE® HI DL/9

cove mounted baffled LED wall grazing luminaire



- **Spredlite HI DL/9 is a luminaire designed to provide uniform grazing illumination** on vertical surfaces as high as 40' using integral LED modules and spread lenses, as well as interposed baffles, mounted at 9" (229 mm) centers.
- **Luminaire is powered by Cree chip-on-board LED** modules of one of a range of light outputs. See tables below for luminaire wattages and efficacies.
- Luminaire operates on either 120-volt or 277-volt service.
- **Luminaire is designed for surface mounting** in a ventilated architectural light cove (see next page for dimension detail). Modular segments are installed end-to-end as needed to form a continuous run. Each segment provides lockable 0° to 10° angular adjustment allowing precise illumination of the vertical surface below.
- **Parabolic baffles** located between the LED modules provide a 30° shielding angle down the length of the Spredlite and minimize lamp brightness. Baffles are available in clear, champagne gold or black Alzak®.

Standard finishes are a matte black housing and a matte white back panel. Housing available on special order in custom color paint finish. Reflective back panel must remain white. **For more information, click here.**

APPLICATIONS

Fixture provides excellent illumination of specular wall surfaces with no distracting reflections.

Fixture is SP listed for Cove Mounting and Damp Location. Fixture is approved for 90°C supply wiring. Electrical supply is provided from adjacent accessible outlet boxes (supplied by others).

INSTALLATION

Dimensions: the segment lengths listed under "Product Code" are precise; segments can be bolted end-to-end to ensure uniform lamp spacing.

Mounting: secure segments to wood or metal framing members only.

Ends and Corners: leave at least 1" between the end of a cove and the nearest segment, and at least 2" between segments at corners.

Ventilation: the cove must be vented to ensure proper Spredlite performance and maximize driver life. See details below.

Warranty Detail

Our 5-year warranty does not include the provision of scaffolding, man-lifts, 'cherry pickers' or other extraordinary means of access to a product requiring maintenance.

In the boxes below, record the number of segments you will need for your Spredlite order. The worksheet on page 3 will help you decide.

PRODUCT CODE

The product code for a Spredlite segment includes the Basic Unit and a Segment Length. The product code for a Spredlite run includes a list of the segments required; see example below.

Basic Unit SPR-CLPH2-DL9

Driver

DMV: drivers dimmable to 1% by a 0-10V dimmer ..... – DMV

DV0ELG: eldoLED 0-10V (Logarithmic) drivers dimmable to 0.1% with a 0-10V dimmer ..... – DV0ELG

DV0ELN: eldoLED 0-10V (Linear) drivers dimmable to 0.1% with a 0-10V dimmer ..... – DV0ELN

DA0-EL: eldoLED drivers dimmable to 0.1%, compatible with DALI control system ..... – DA0-EL

Light Source Output

2300 lumens / CRI 92 ..... *2700K & 3000K only* ..... - L23H

2600 lumens / CRI 80+ ..... - L26S

Light Color

2700K ..... – 27K

3000K ..... – 30K

3500K ..... *not available with CRI 92 modules* ..... – 35K

4000K ..... *not available with CRI 92 modules* ..... – 40K

5000K ..... *not available with CRI 92 modules* ..... – 50K

Segment Length

two-module segment, 18" long ..... ____ ....–18

three-module segment, 27" long ..... ____ ....–27

four-module segment, 36" long ..... ____ ....–36

five-module segment, 45" long ..... ____ ....–45

Custom painted segment housings are available on special order. Add –CCH

Baffle color

clear (natural aluminum) ..... –C

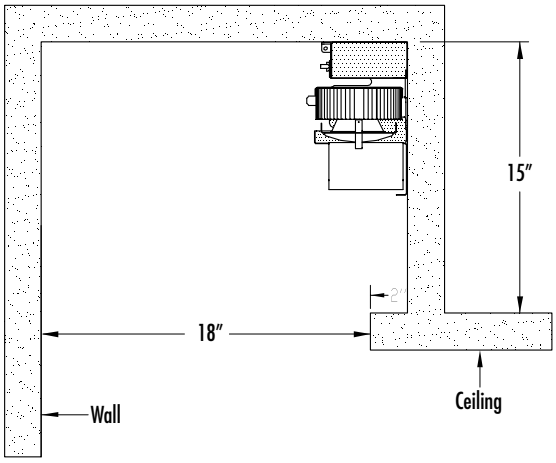
gold ..... –G

black ..... –B

EDISON PRICE LIGHTING
41-50 22ND STREET, LIC NY 11101 TEL 718.685.0700 FAX 718.786.8530 www.epl.com

SPREDLITE HI DL/9

See table below for cove dimension and ventilation requirements.



COVE DIMENSION AND VENTILATION REQUIREMENTS

Ceiling Height	*Cove Opening*	*Cove Height*	*Recommended Light Source Output*
35′	18″	15″	all lumen levels
40′	18″	15″	all lumen levels

Ventilation: *Provide 3 square inches of void per linear foot of cove. To avoid overheating the LED modules and/or drivers, air temperature inside cove should not exceed 122F.*

LUMINAIRE LIGHT OUTPUT AND EFFICACY *(one LED module)*

LED Module Type	*Luminaire Light Output*	*Luminaire Efficacy (lms/watt)*	*System Wattage*
2300 Lumens 90+ CRI (L23H)	1558*	63*	25
2600 Lumens 80+ CRI (L26S)	1791	72	25

**estimated values*

DRIVER INFORMATION *(one LED module)*

UL Class 2, dry and damp location

Voltage	*120*	*277*
Input Watts (L23H/L26S Lumens)	25/25	25/25
Input Current (L23H/L26S Lumens)	.21/.21	.09/.09
Output Current (mA)	600	600
Min. Power Factor	>0.95	>0.95
Operating Temperature Range (F)	–4 to 113	–4 to 113

LIGHT OUTPUT MULTIPLIERS *(use L21S as base)*

LED Module Type	*Light Output Multiplier*
2300 Lumens 90+ CRI (L23H)	0.87*
2600 Lumens 80+ CRI (L26S)	1

**estimated values*

Leading Testing Laboratories Report No. UT18070002-03a (prorated).
Original test report furnished upon request.

WALLWASH INFORMATION *(Vertical Footcandles)*

Distance Below Finished Ceiling (ft)	*40′ High Ceiling*	*35′ High Ceiling*
	2600 lumens per LED	*2300 lumens per LED*
1	143	124
2	134	117
3	145	126
4	124	108
5	107	94
6	96	84
7	87	76
8	78	68
9	71	62
10	63	55
11	57	50
12	51	45
13	46	41
14	41	36
15	37	33
16	33	29
17	30	26
18	27	24
19	24	22
20	22	20
21	20	18
22	18	16
23	16	15
24	15	13
25	14	12
26	13	11
27	11	10
28	11	10
29	10	9
30	9	8
31	8	8
32	8	8
33	7	8
34	7	8
35	6	5
36	6	
37	6	
38	6	
39	6	
40	4	

All vertical footcandles are initial values at the center of a 15'continous length of Spredlite HI DL/9 with specific light output option shown in the table. Architectural light coves were modeled for each ceiling height using dimensions suggested below. Calculations assume 80% reflectance for the architectural light cove surface, 50% and 20% reflectance for lighted wall and floor.

COLOR TEMPERATURE MULTIPLIER *(use 3000K as the base)*

2700K	0.96*
3000K	1
3500K	1.03*
4000K	1.06*
5000K	1.07*

**estimated values*

SPREDLITE HI DL/9 WORKSHEET

This sheet will help you pick which segments in which quantities will add up to a Spredlite run for the architectural cove or trough on your project.

Spredlite HI DL/9 is
made in four segment lengths:

18″ 

27″ 

36″ 

45″ 

INSTALLATION GUIDELINES

Remember:

- the segment lengths listed are precise "out-to-out" dimensions
- segments can be bolted together to ensure uniform lamp spacing
- leave at least 1″ between the end of the cove and the end of the nearest segment
- leave at least 2″ between segments at corners

SUGGESTED RUN LAYOUTS

Length of Run	*Spredlite Segments*			
	18″	*27″*	*36″*	*45″*
1′ 6″	1			
2′ 3″		1		
3′ 0″			1	
3′ 9″				1
4′ 6″		2		
5′ 3″		1	1	
6′ 0″			2	
6′ 9″			1	1
7′ 6″				2
8′ 3″		1	2	
9′ 0″			3	
9′ 9″			2	1
10′ 6″			1	2
11′ 3″				3
12′ 0″			4	
12′ 9″			3	1
13′ 6″			2	2
14′ 3″			1	3
15′ 0″				4
15′ 9″			4	1
16′ 6″			3	2
17′ 3″			2	3
18′ 0″			1	4
18′ 9″				5
19′ 6″			4	2
20′ 3″			3	3
21′ 0″			2	4
21′ 9″			1	5
22′ 6″				6
23′ 3″			4	3
24′ 0″			3	4

Scopas suspension

1529018A

SPECIFICATIONS

Design By

Neil Poulton

Collection

Design

Colors & Finishes

Black (Interior)

White (Exterior)

Materials

- Body in painted aluminum
- Diffuser in thermoplastic material

Specifications

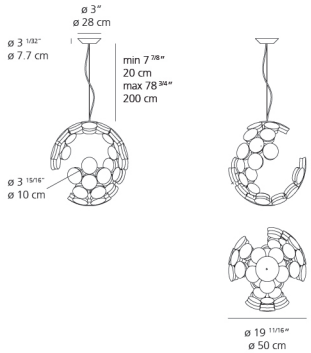
Delivered lumens	N/A
Light output ratio	N/A
Power consumption	87W
Led type	35X2W Array*
CCT (Correlated Color Temperature)	3000K
CRI (Color Rendering Index)	>80
Life expectancy	50000Hrs
Control type	Dimmable 0-10V
Input Voltage	120V
Driver	Artemide Group IT10 - Italy - 2 x DC-MAXIJOLLY-US

*Integrated light source

Features & Accessories

- Created through the repetition of an elementary lighting module
- Consists of a sphere with an incomplete structure
- Dimmer Adaptor 0-10V to Wireless(W001-00355)

Dimensions



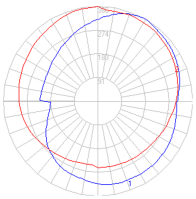
Packaging

1 Box

1 x 24-1/8" x 24-1/8" x 30-3/8" / 28.66 lbs - 61 cm x 61 cm x 77 cm / 13 kg

Light distribution

Diffused



Red = Max Cd. Through Vertical plane

Blue = Max Cd. Through Horizontal plane

Luminaire weight

16.53 lbs / 7.5 kg

Warranty

5 year limited warranty

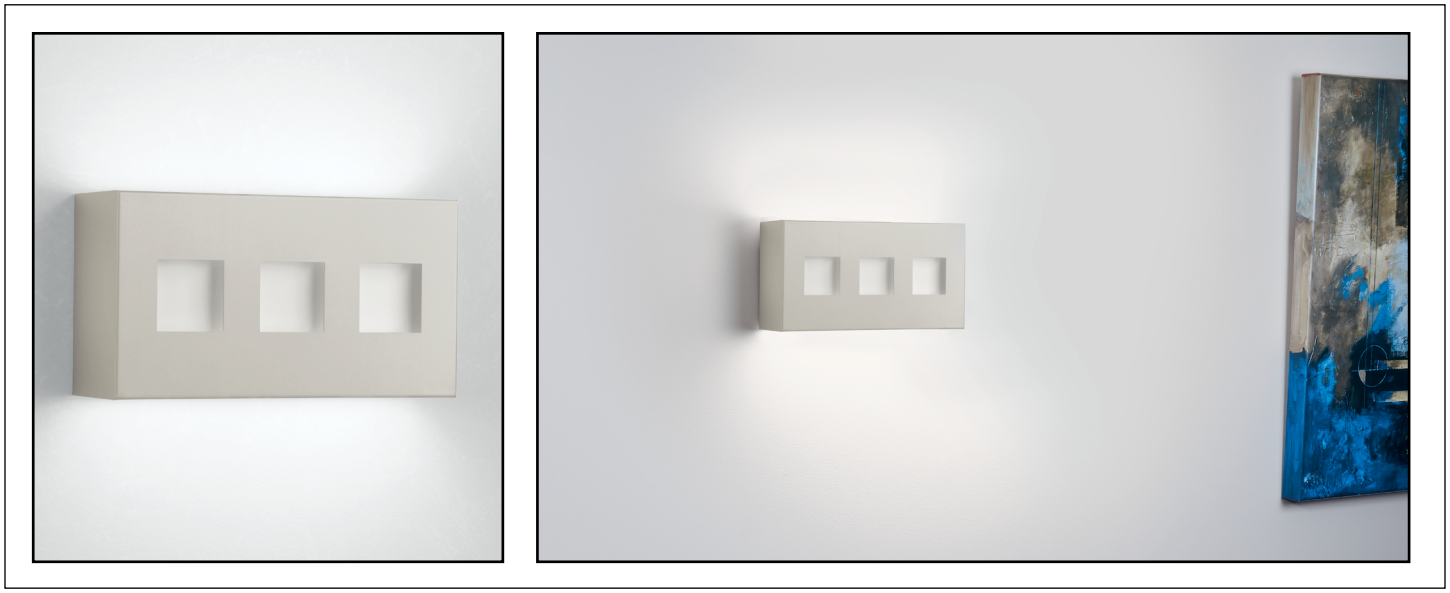
CB3141 LINEAR ART SCONCE™

14” with Window Accent

VISA LIGHTING

Visalighting.com/products/linear-art-sconce

Type: Project: Location:

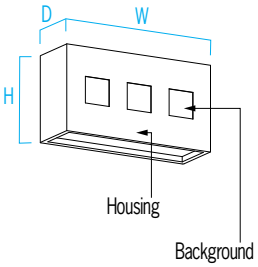


DIMENSIONS

Depth is measured from wall to front of fixture

W = Width	H = Height	D = Depth

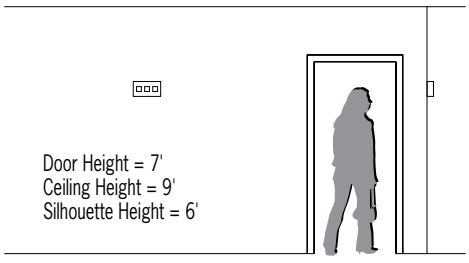
W	13-1/2”	(343 mm)
H	6-1/2”	(165 mm)
D	4”	(102 mm)



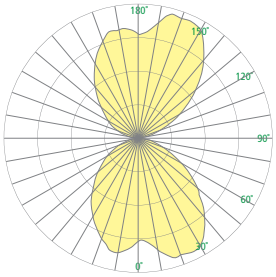
FEATURES

- Integral driver
- Modular design for replacement of LED source and driver
- Mounts to standard electrical junction box (by others) with provided hardware
- Heavy gauge fabricated metal housing
- No VOC powder coat paint
- ETL listed for damp locations. Not suited for exterior applications

RELATIVE SCALE DRAWING



PHOTOMETRICS



ADA Compliant XPS ETL Listed 5 Year Warranty

CB3141 LINEAR ART SCONCE (cont.)

14” with Window Accent

VISA LIGHTING

Fill in shaded boxes using information listed below

CB3141		–	MVOLT			
MODEL	**SOURCE**[1] • L30K(H) • L30K(L) L35K(H) L35K(L) • L40K(H) • L40K(L)		**VOLTAGE** MVOLT	**HOUSING FINISH**	**BACKGROUND FINISH** See last page for finish order codes	**OPTION(S)**[2] • BL • TL • TLBL XPS

SOURCE[1] (Select one)

Dimmable 0-10V to 1%, Minimum 83CRI within 3-step MacAdam

Source	CCT	Delivered Lumens	Power (Watts)
• **L30K(H)**	3000K	2000	25
• **L30K(L)**	3000K	1100	15
L35K(H)	3500K	2000	25
L35K(L)	3500K	1100	15
• **L40K(H)**	4000K	2000	25
• **L40K(L)**	4000K	1100	15

VOLTAGE

MVOLT	120-277V, 50/60 Hz

OPTION(S)[2] (Multiple Selections Allowed)

⚠ Option availability may be interdependent with Other Options

• **BL**	Bottom lens, tempered prismatic glass
• **TL**	Top lens, tempered prismatic glass
• **TLBL**	Top lens, bottom lens tempered prismatic glass
XPS	Express 10 day shipping. Items marked with a bullet (•) are not available with **XPS**

GRACE 36 CHANDELIER

VISUAL COMFORT & CO.

PRODUCT FEATURES

- From the brand formerly known as Tech Lighting
- Halo of light is gracefully created by two rings with integrated LED technology
- Available as a weathered oak ring with a black inner ring
- Ships with 12 feet of field-cuttable cable
- Dimmable with low-voltage electronic dimmer

Matte Black / Weathered Oak Wood

LAMPING

Includes 120 volt 80.3 watt, 5768 total delivered lumens, 3000K LED module. 3500K only available in weathered oak. Dimmable with most LED compatible ELV and TRIAC dimmers. Ships with 12 feet of field-cuttable cable.

Matte Black / Weathered Oak Wood

Matte Black / Weathered Oak Wood 3/4

Aged Brass

Natural Brass/Weathered Oak

ORDERING INFORMATION

700GRC	LENGTH (A)	FINISH		LAMP
	36 36"	R	AGED BRASS	-LED930 INTEGRATED LED 90 CRI 3500K 120V
		BW	MATTE BLACK/WEATHERED OAK WOOD	-LED930 INTEGRATED LED 90CRI 3000K 120V
		NBW	NATURAL BRASS/ WEATHERED OAK	-LED935 INTEGRATED LED 90 CRI 3500K 120V

700GRC _____ _____ _____

JOB NAME _____

NOTES _____

_____

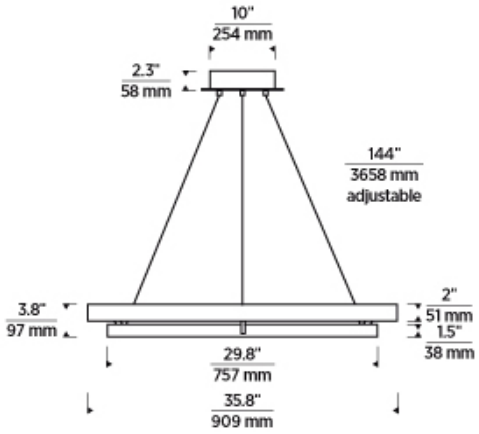
7400 Linder Avenue, Skokie, IL 60077
T 847.410.4400 | F 847.410.4500 | techlighting.com

GRACE 36 CHANDELIER

VISUAL COMFORT & CO.

SPECIFICATIONS

PRIMARY MATERIAL	Aluminum or Brass
SHADE MATERIAL	Aluminum or Brass
NET WEIGHT	23 lbs
HEIGHT	3.8in
WIDTH	35.8in
LENGTH	35.8in
UP LIGHT / DOWN LIGHT / BOTH?	
WET LISTED	
DAMP LISTED	
DRY LISTED	
MIN. HANGING HEIGHT	11.8in
MAX HANGING HEIGHT	149.8in
TOTAL CORD LENGTH	144in
TOTAL STEM LENGTH	
STEM QTY	
SLOPED CEILING ADAPTABLE?	Yes 45° Max
GENERAL LISTING	ETL Listed
INCLUDES	



LAMPING SPECIFICATIONS

	LED LAMP	INTEGRATED LED	NON LED	NO LAMP
DELIVERED LUMENS		5768.0		
WATTS		80.3		
MAX WATTAGE PER BULB		80.3W		
		120V ELV, TRIAC		
CCT		3000K 3500K		
CRI		90 CRI		
LED LIFETIME				
L70		>50000		
AVERAGE BULB HOURS				
FIELD SERVICEABLE LED				
LAMP BASE		Integrated LED		
LAMP SHAPE		Integrated LED		
LAMP INCLUDED?		True		
WARRANTY**		5 Years		

* Dimming information available at www.techlighting.com/Downloads#dimming
** Visit techlighting.com for specific warranty limitations and details.

T20 / T24 / JA8 INFORMATION

	Integrated LED	Replacement LED Lamp	No Lamp *
This product can be used to comply with California Building Energy Efficiency Standards 2016 Title 24 Part 6 / JA8.	Yes		
This product can be used to comply with California Appliance Efficiency Standards 2016 Title 20 and may be shipped to and sold in California.	N/A		

* If a light fixture or component does not include a lamp or light source, it is the responsibility of the customer to select a lamp that meets the T24 and T20 requirements.

7400 Linder Avenue, Skokie, IL 60077
T 847.410.4400 | F 847.410.4500 | techlighting.com

FLOS

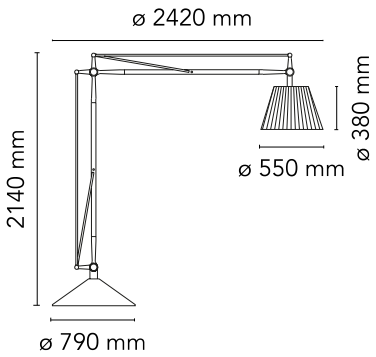
F6366020 Fabric

SuperArchimoon

Designed by Philippe Starck, 2000

Halogen - 250W

Floor lamp providing direct and diffused light. Acid-etched hand-blown pressed borosilicate glass internal diffuser. Plissé cloth external diffuser. Sand-cast, aluminum diffuser support. Gray painted assembly composed of tubular aluminum arms and tie rods, stainless steel springs, and die-cast aluminum joints. Sand-cast aluminum base with gray painted spun aluminum cover. On the cable there is the electronic dimmer which allows the regulation of light brightness.



Are you a professional and your project needs consulting and support?

BOOK AN APPOINTMENT

Main specifications

Mounting	Floor
Environments	Indoor dry location
Light Source Type	Bulb
Lamp category	Halogen
Lamp holders	E27
Ilcos	HSGS
Number of heads	1
Power (W)	250

Physical

Colour	Fabric
Length (mm)	790
Cord length (mm)	1600
Net weight (kg)	90.88
Package height (mm)	0
Package width (mm)	0
Package length (mm)	0
Package volume (m3)	1.28
IP internal	20

Download

Mounting instructions PDF

Spare Parts PDF

Photometric Files

LDT / IES LDT

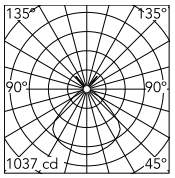
Technical Drawings

2D ZIP

GWT 850°

IP 20

Schematic light drawing



Luminous flux luminaire
4210 lm

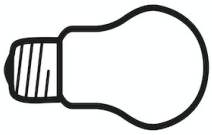
Photometric

Lighting type	Indirect, Direct
Light distribution	Symmetric

Electrical

Insulation class	II
Frequency (Hz)	50/60
Main voltage (Vac)	220-240
LED voltage Vf (Vdc)	null
Dimmable	Yes
Dimming interface	Remote Dimmable (Dimmer Not Included)
Plug type	Type C
Batteries inside	No

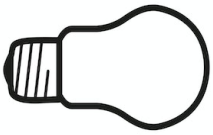
Bulbs



NOT INCLUDED

RF26998

LED 21W E27 2450lm 3000K
DIMMER



NOT INCLUDED

RF30429

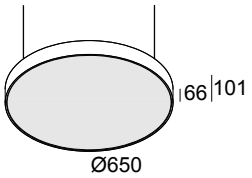
LED Opal Lamp E27 21W 2700K
A65 Dimmable

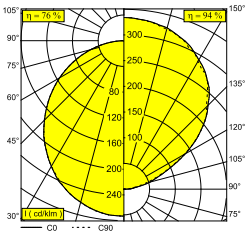
DELTALIGHT®

SUPERNOVA FLAT 65 DOWN-UP 930 DIM5 B

20612 9305 B

AVAILABLE IN
BLACK 20612 9305 B
WHITE 20612 9305 W





View on website

General info	
LOCATION	indoor
INSTALLATION	Ceiling Surface mounted,Ceiling Suspended
INGRESS PROTECTION	IP20
WEIGHT (KG)	9.4
ADJUSTABILITY	non adjustable
INFORMATION	INCL.PC SBL INCL.DIMMABLE LED POWER SUPPLY 1400mA (DOWN) / 500mA (UP) 2 DALI ADDRESSES

Electrical info	
ELECTRICAL	220-240V / 0|50-60Hz
CLASS	I
POWER SUPPLY INCLUDED	YES
DIM TYPE	DALI
ENERGY CLASS	E

Lightsource info	
LIGHTSOURCE NAME	LED
LIGHTSOURCE	DOWN @ 1400mA: LED cluster 58,5W / CRI>90 (R9: 68) / 3000K / 7776lm UP @ 500mA: 2 x (LED cluster 11,1W / CRI>90 (R9: 50) / 3000K / 1487lm)
TM-30 VALUES	Rf: 89 / Rg: 97 Rf: 92 / Rg: 100
SDCM	SDCM3
RISKGROUP	RG2
LM80	L70 > 60000 L80 > 60000
LED TECHNICS (LIGHT SOURCE)	DOWN @ 1400mA: 7776lm // 58,5W // 132lm/W UP @ 500mA: 2974lm // 22,2W // 134lm/W
LED TECHNICS (LUMINAIRE)	DOWN @ 1400mA: 5925lm // 67W // 88lm/W UP @ 500mA: 2784lm // 26W // 109lm/W

Requirements

SUSPENSION SET 25 DIM 3m
CENTRAL ROD SUSPENSION SUPERNOVA FLAT 1m
CENTRAL SUSPENSION SUPERNOVA FLAT

Features

- Custom built to specifications (allow 3-4 weeks lead time for special order)
- Transparent polycarbonate globes are shatterproof, weatherproof, and resistant to vibrations
- Rubber cable with injection molded nylon sockets supports spans up to 15 feet (use catenary cable for spans greater than 15 feet)
- cULus Listed
- Suitable for wet locations (IP68)

Available Colors

Clear, Blue, Pink

Purple, Red, Yellow

Dimming Options

- Non-Dimmable

Listing / Ratings

c UL us LISTED

Festoon Light String

Made to your specifications with watertight, shock resistant modules in 12V 3000K LED. When ordering, specify lead wire and tail wire lengths; globe color (Clear is standard); and socket type and spacing. For span distances greater than 15 feet, utilize catenary cable (sold separately). For horizontal mount to a wall or for vertical mount to shine upwards from a ledge, use LFS-CABLE-CLIP.

Technical Information

Series	LFS
Input Voltage	12V DC
CCT	3000K
CRI	74+
Wattage	1W per Globe
Lumens	Up to 90Lm per ft
Max Run	300W
Cuttable	N/A
IP Rating	IP68
Dimmable	Not dimmable
Rating	cULus Listed for wet locations
Rated Life	80,000 hrs

Festoon Light String

FESTOON LIGHT STRING ORDERING INFORMATION

Special order - Please Allow Up To 2-4 Weeks Order Processing & Delivery*

ITEM NUMBER	CCT	LENGTH	LUMENS / FT	WATTAGE / GLOBE	IP RATING	CRI	CUTTING
LFS-12V-1-LED-WW	3000K	Custom	Up to 90Lm / ft	1W / globe	IP68	74+	N/A

When ordering Festoon Light String, be sure to specify socket spacing and total cable length (including lead and tail wire requirements).
Designate the type of socket assembly to be factory-assembled on to stranded, tinned copper conductors in heavy-duty rubber cable.
Festoon Light String is SPECIAL ORDER only; please allow 2-4 weeks for order processing.
Request a sales quote online at http://www.americanlighting.com/festoon-quote.html.

FESTOON LIGHT STRING ACCESSORIES

ITEM NUMBER	DESCRIPTION
LFS-CABLE	12 gauge Festoon cable
LFS-BP	Mounting back-plate
LFS-CABLE-CLIP	Cable clips (qty 100)
LFS-GLOBE-CL	Clear Festoon Globe
LFS-GLOBE-BL	Blue Festoon Globe
LFS-GLOBE-PI	Pink Festoon Globe
LFS-GLOBE-PU	Purple Festoon Globe
LFS-GLOBE-RE	Red Festoon Globe
LFS-GLOBE-YE	Yellow Festoon Globe

LFS-CABLE

LFS-BP

LFS-CABLE-CLIP

LFS-GLOBE-CL
LFS-GLOBE-BL
LFS-GLOBE-PI
LFS-GLOBE-PU
LFS-GLOBE-RE
LFS-GLOBE-YE

Recommended Power Supplies

12V DC Regulated Power Supply
Special order only
Requires waterproof enclosure (not included)

LED-DR50-12-LU (50W driver)
LED-DR100-12-LU (100W driver)
LED-DR150-12-LU (150W driver)

SYNTRA PATHWAY

TECH LIGHTING

Exhibiting a modern, Zen-like design approach, the Syntra outdoor path light blends seamlessly into contemporary architecture and landscapes. The symmetric down lighting provides abundant outdoor illumination and the clean, angular aesthetic maintains an understated elegance. Also available as a Bollard for a coordinated look.

Outstanding protection against the elements:

- Powder coat finishes
- Stainless Steel mounting hardware
- Impact-resistant, UV stabilized frosted acrylic lensing

Path light features either Bolt or Stake mounting options

SPECIFICATIONS

DELIVERED LUMENS	255.8
WATTS	12.8
VOLTAGE	12V (Transformer sold separately)
DIMMING	MLV
LIGHT DISTRIBUTION	Symmetric
MOUNTING OPTIONS	Bolt or Stake
CCT	3000K
CRI	80+
COLOR BINNING	3 Step
BUG RATING	B0-U1-G0
DARK SKY	Compliant
WET LISTED	IP65
GENERAL LISTING	ETL
CALIFORNIA TITLE 24	Can be used to comply with CEC 2019 Title 24 Part 6 for outdoor use. Registration with CEC Appliance Database not required.
START TEMP	-30°C
FIELD SERVICEABLE LED	No
CONSTRUCTION	Aluminum
HARDWARE	Stainless Steel
FINISH	Powder Coat
LED LIFETIME	L70; >60,000 Hours
WARRANTY*	5 Years
WEIGHT	14.8 lbs.

*Visit techlighting.com for specific warranty limitations and details.

SYNTRA PATH
shown in bronze

SYNTRA PATH
shown in charcoal

12V AC TRANSFORMERS*

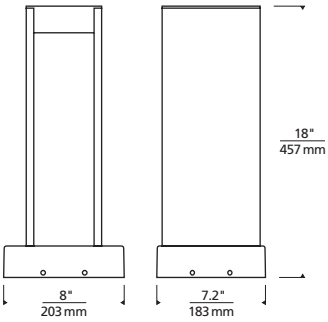
(OUTDOOR RATED, ORDERED SEPARATELY)

ITEM	DESCRIPTION	HOUSING	DIMMING
700OT150T	MAGNETIC, 150W, 120V	STAINLESS STEEL	MAGNETIC
700OT300T	MAGNETIC, 300W, 120V	STAINLESS STEEL	MAGNETIC

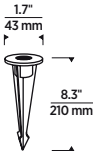
ORDERING INFORMATION

PRODUCT	CRI/CCT	LENGTH	LENS	FINISH	VOLTAGE	DISTRIBUTION	OPTIONS
700OASYN	**830** 80 CRI, 3000K	**18** 18"	**D** DIFFUSE	**Z** BRONZE **H** CHARCOAL	**12** 12V	**S** SYMMETRIC	CONCRETE MOUNT **ST** STAKE MOUNTING KIT

*REQUIRES 12V REMOTE TRANSFORMER



Syntra Path



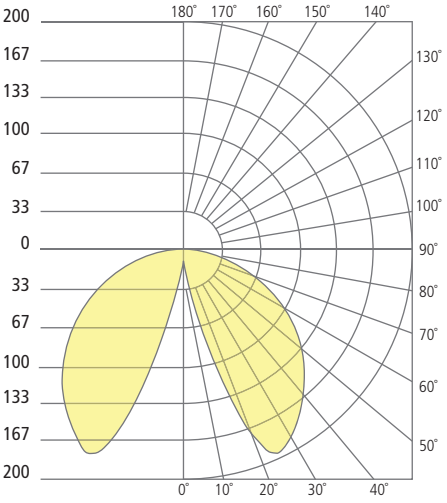
Stake Anchor

PHOTOMETRICS*

*For latest photometrics, please visit www.techlighting.com/OUTDOOR

SYNTRA PATH

Total Lumen Output:	255.8
Total Power:	12.8
Luminaire Efficacy:	19.8
Color Temp:	3000K
CRI:	80+
BUG Rating:	B0-U1-G0



PROJECT INFO

FIXTURE TYPE & QUANTITY

JOB NAME & INFO

NOTES

TECH LIGHTING

VISUAL COMFORT & CO.

7400 Linder Avenue, Skokie, Illinois 60077
T 847.410.4400

D2ADU

Dynamic Detached Accessory Dwelling Unit

Uttamchandani