



DATE

PROJECT

COMMENTS

CERTIFICATIONS













AVAILABLE PRE-CONFIGURED SHAPES



FEATURES

GEO1 SUSPENDED DIRECT & INDIRECT / DIRECT

AN EXTENSION OF OUR SLEK SERIES

The GEO Series provides specifiers with a creative lighting option to add depth and shape to a space. It combines the Slēk's true 1" aperture with exceptional performance, accurate color, powerful illumination with an elegant lens.

APPLICATIONS

- · Conference Rooms
- Cafeterias
- Vestibules
- · Combine with Chevron and Spoke 3 in the space

CORNER JOINTS

Fully machined corner joint that provides excellent joint strength, eliminates light leak, and delivers fast and easy installation.

PERFORMANCE

Up to 152 LPW for indirect/direct and up to 117 LPW for direct at 90 CRI.

VERSATILITY

Direct and Indirect lumen intensity ranges from 125-1000 lm/ft in 3000K, 3500K and 4000K CCT provides specifiers with accurate and powerful levels of illumination and color within each space.

OPTICS

A seamless and elegant roll in lens for the direct illumination provides uniform light distribution, controls glare, and eliminates light leaks. The upper optics consist of an extruded lens that provides an ultra wide batwing distribution to produce a more evenly illuminated ceiling and wider spacing of luminaires.

REMOTE POWER UNIT

Black Canopy & Cord

Easy to access wiring compartments. Designed to provide flexible, fast, and easy installation in multiple different mounting configurations.

SAMPLE PART NUMBER: GEO1-D-PARA13-HU-HD-30-UNV-T1-WH-C90

ORDERING

SERIES	3				SH	HAPE &	PATTERN				UPP	PER OUTPUT		ECT OUTPUT	CCT
GEO1-D Direct	t	PARALLELC Leg Leng		RECTANGLE Leg Length	HEXAGON Diameter	TRIANGLE Leg Length	SQUARE Leg Length	CHEVRON Leg Length	SPOKE 3 & 4 Leg Length	CUSTOM	HU	1000 LM/FT	HD	1000 LM/FT	30 3000K
GEO1-ID Indire	ct/Direct	PARA13	3 1'x3'	REC13 1'x3'	HEX2 2'	TRI2 2	SQR2 2'x2	CHEV2 2	SPK3-22	C¹ Custom	MU	750 LM/FT	MD	750 LM/FT	35 3500K
		PARA14	1'x4'	REC14 1'x4'	HEX4 4'	TRI3 3	SQR3 3'x3	CHEV3 3	SPK3-3 3'		LU	500 LM/FT	LD	500 LM/FT	40 4000K
		PARA16	1'x6'	REC16 1'x6'	HEX6 6'	TRI4 4	SQR4 4'x4	CHEV44	SPK3-44		VLU	² 250 LM/FT	VLD	² 250 LM/FT	
		PARA23	3 2'x3'	REC23 2'x3'	HEX8 8'				SPK4-2 2		SLU	13 125 LM/FT	SLD	³ 125 LM/FT	
		PARA24	1 2'x4'	REC24 2'x4'					SPK4-3 3		CU⁵	Custom	CD ⁵	Custom	
		PARA26	3 2'x6'	REC26 2'x6'					SPK4-4 4'						
VOLTAGE	MOUN	ITING	F	FIXTURE CO	LOR	(CRI	SUSPEN	NSION⁵	CIR	CUIT	ING		EMERGEN	CY ⁶
						(C90								
UNV 120-277V	T1 1" Gr	rid	WH	White		C90 ³ 9	0 CRI E	BLANK=48	"CABLES	BLANK=S	INGL	ECIRCUIT I	EM E	mergency Ba	ittery
347 ⁴ 347V	T9 9/16"	Grid	BLK	Black			C	B96 96"	Cables			0	EC E	mergency Ci	rcuit
	SC Screv	w Slot	S ¹	Silver			C	B144 144	" Cables	SEF	PARATEL	WITCHED LY FROM DIRECT			

NOTES

1 Contact factory for available configurations, additional lead times, and adder

HC Hard Ceiling GR1 Charcoal Gray

JB Junction Box CCC¹ Custom Corner Color

- 2 VLU and VLD not available on 2' length
- 3 SLU and SLD not available on 2', 3', and 4' length
- 4 EM not available with 347V
- 5 For cable lengths longer than 144", consult factory.
- 6 Contact factory for Emergency Battery (EM) and Circuit (EC) options with patterns. Factory drawings approval required.

DIRECT & INDIRECT / DIRECT





















PHOTOMETRICS & ENERGY CHARTS

GEO-D-HEX4-MD-35-UNV-XX-C90

Distribution: Direct Total Lumens: 3028

Ratio: 0% Up & 100% Down

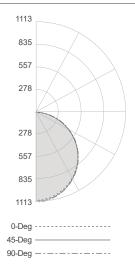
Wattage: 26.2 Efficacy: 116 LM/W Fixture Length: Four Feet

UGR: 25

4H X 8H Cross wise, Reflectance - Ceiling: 0.7, Wall: 0.5, Floor: 0.2

Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	839	27.7%
0 - 40	1359	44.9%
0 - 60	2367	78.2%
0 - 90	3027	100%
90 - 180	0	0%
0 - 180	3028	100%



Direct (Lambertian) Light at 90 CRI

	HD:1000	MD:750	LD:500	VLD:250	SLD:125
Watts/ft	8.8	6.6	4.4	2.3	1.1
Lumens/ft	980	757	514	269	124
LPW	110.9	115.6	115.8	117.6	112.7

GEO-ID-HEX4-MU-MD-35-UNV-XX-C90

Distribution: Indirect/Direct Total Lumens: 5877

Ratio: 50% Up & 50% Down

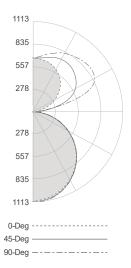
Wattage: 44.1 Efficacy: 133 LM/W Fixture Length: Four Feet

UGR: 28.9

4H X 8H Cross wise, Reflectance - Ceiling: 0.7, Wall: 0.5, Floor: 0.2

Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	839	14.3%
0 - 40	1359	23.1%
0 - 60	2367	40.3%
0 - 90	3027	49.7%
90 - 120	793	13.5%
90 - 130	1317	22.4%
90 - 150	2256	38.4%
90 - 180	2849	48.5%
0 - 180	5877	100%



Indirect (Batwing) / Direct (Lambertian) Light at 90 CRI

munect (Datwing) / Direct (Lambertian) Light at 30 Oct							
	HU-HD	HU-MD	HU-LD	HU-VLD	HU-SLD		
Watts/ft	14.9	12.6	10.5	8.3	7.1		
Lumens/ft	1948	1725	1482	1237	1092		
LPW	131	137.1	141.6	148.8	153.2		
	MU-HD	MU-MD	MU-LD	MU-VLD	MU-SLD		
Watts/ft	13.3	11	8.9	6.8	5.6		
Lumens/ft	1692	1469	1226	981	836		
LPW	127	133.2	137.5	145	149.8		
	LU-HD	LU-MD	LU-LD	LU-VLD	LU-SLD		
Watts/ft	11.9	9.7	7.5	5.4	4.2		
Lumens/ft	1470	1247	1004	759	614		
LPW	123.1	129.3	133.2	140.9	146.3		
	VLU-HD	VLU-MD	VLU-LD	VLU-VLD	VLU-SLD		
Watts/ft	10.5	8.2	6.1	3.9	2.8		
Lumens/ft	1231	1008	765	520	375		
LPW	117.4	123	125.7	132.2	136.5		
	SLU-HD	SLU-MD	SLU-LD	SLU-VLD	SLU-SLD		
Watts/ft	9.7	7.4	5.3	3.1	1.9		
Lumens/ft	1106	883	640	395	250		
LPW	114.4	119.7	121.5	126.8	129.7		

Lumen Adjustment Calculations

LUMEN MULTIPLIERS					
3000K	0.995				
3500K	1.000				
4000K	1.023				

Example: HU-MD Output, 3000K at 90CRI

Total Light Output: 6900 x 0.995 = 6866 lm

Total Light Output Per Foot: 1725 x 0.995 = 1716 lm/ft

Efficacy = 1716 / 12.6 = 136.2 lm/W

DIRECT & INDIRECT / DIRECT



















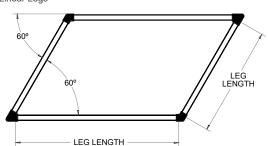


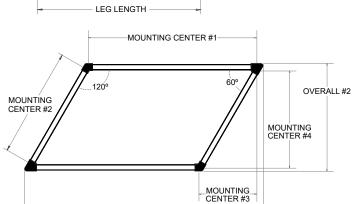
STANDARD PRODUCT INFORMATION

PARA

Corner Joints: (2) 60° and (2) 120°

Fixtures: 4 Linear Legs





OVERALL #1

Product Dimensions

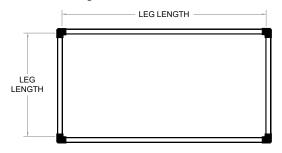
ORDERING	LEG LENGTH
PARA-13	1' & 3'
PARA-14	1' & 4'
PARA-16	1' & 6'
PARA-23	2' & 3'
PARA-24	2' & 4'
PARA-26	2' & 6'

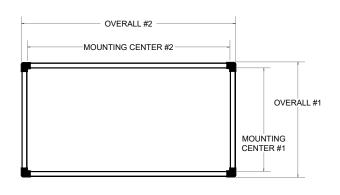
SIZE/DISTRIBUTION		PARA-13 DIRECT & INDIRECT / DIRECT	PARA-14 DIRECT & INDIRECT / DIRECT	PARA-16 DIRECT & INDIRECT / DIRECT	PARA-23 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	36.9	48.9	72.9	36.9
	#2	14.0	14.0	14.0	26.2
	#3	7.0	7.0	7.0	13.0
	#4	12.2	12.2	12.2	22.7
OVERALL	#1	47.3	59.4	83.3	53.4
	#2	14.5	14.5	14.5	25.0

SIZE/DISTRIBUTION		PARA-24 DIRECT & INDIRECT / DIRECT	PARA-26 DIRECT & INDIRECT / DIRECT	
MOUNTING CENTER	#1	48.9	72.9	
	#2	26.2	26.2	
	#3	13.0	13.0	
	#4	22.7	22.7	
OVERALL	#1	65.4	89.4	
	#2	25.0	25.0	

REC

Corner Joints: (4) 90° Fixtures: 4 Linear Legs





ORDERING	LEG LENGTH
REC-13	1' & 3'
REC-14	1' & 4'
REC-16	1' & 6'
REC-23	2' & 3'
REC-24	2' & 4'
REC-26	2' & 6'

SIZE/DISTRIBUTION		REC-13 DIRECT & INDIRECT / DIRECT	REC-14 DIRECT & INDIRECT / DIRECT	REC-16 DIRECT & INDIRECT / DIRECT	REC-23 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	14.3	14.3	14.3	26.5
	#2	37.2	49.2	19.2	37.2
OVERALL	#1	16.4	16.4	16.4	28.5
	#2	39.3	51.3	75.3	39.3

SIZE/DISTRIBUTION		REC-24 DIRECT & INDIRECT / DIRECT	REC-26 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	26.5	26.5
	#2	49.2	19.2
OVERALL	#1	28.2	28.5
	#2	51.3	75.3

DIRECT & INDIRECT / DIRECT

















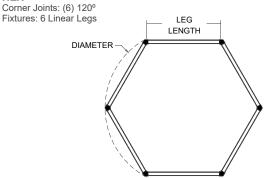


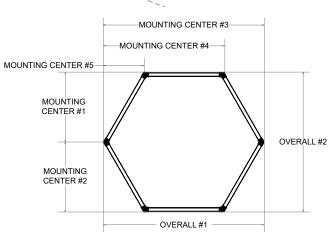
Lumato

Light Without Boundaries

STANDARD PRODUCT INFORMATION







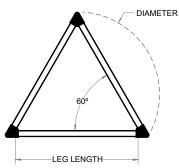
Product Dimensions

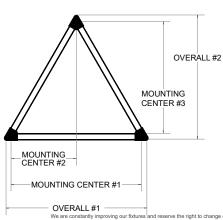
ORDERING	DIAMETER	LEG LENGTH
HEX-2	2'	1'
HEX-4	4'	2'
HEX-6	6'	3'
HEX-8	8'	4'

SIZE/DISTRIBUTION		HEX-2 DIRECT & INDIRECT / DIRECT	HEX-4 DIRECT & INDIRECT / DIRECT	HEX-6 DIRECT & INDIRECT / DIRECT	HEX-8 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	12.1	22.6	32.0	42.4
	#2	12.1	22.6	32.0	42.4
	#3	28.2	52.3	74.0	98.0
	#4	21.2	39.2	55.5	73.5
	#5	7.0	13.1	18.5	24.5
OVERALL	#1	30.6	54.7	76.5	100.5
	#2	26.3	47.2	66.1	86.9

TRI

Corner Joints: (3) 60° Fixtures: 3 Linear Legs





ORDERING	DIAMETER	LEG LENGTH
TRI-4	2' 9"	2'
TRI-6	4'	3'
TRI-8	5' 1"	4'

SIZE/DISTRIBUTI	ON	TRI-2 DIRECT & INDIRECT / DIRECT	TRI-3 DIRECT & INDIRECT / DIRECT	TRI-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	26.1	36.9	48.9
	#2	13.1	18.4	24.4
	#3	22.6	31.9	42.3
OVERALL	#1	29.5	40.3	52.3
	#2	25.7	35.0	45.4

DIRECT & INDIRECT / DIRECT

















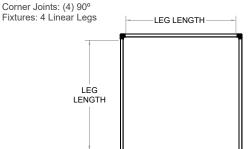






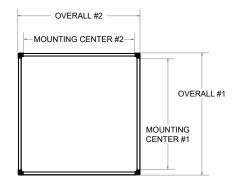
STANDARD PRODUCT INFORMATION





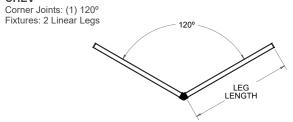
Product Dimensions

ORDERING	LEG LENGTH
SQR-2	2'
SQR-3	3'
SQR-4	4'

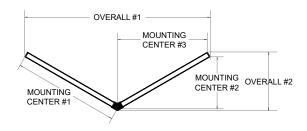


SIZE/DISTRIBUTI	ON	SQR-2 DIRECT & INDIRECT / DIRECT	SQR-3 DIRECT & INDIRECT / DIRECT	SQR-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	26.5	37.2	49.2
	#2	26.5	37.2	49.2
OVERALL	#1	28.5	36.3	51.3
	#2	28.5	36.3	51.3

CHEV



ORDERING	LEG LENGTH
CHEV-2	2'
CHEV-3	3'
CHEV-4	4'



SIZE/DISTRIBUTI	ON	CHEV-2 DIRECT & INDIRECT / DIRECT	CHEV-3 DIRECT & INDIRECT / DIRECT	CHEV-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	25.5	36.3	48.3
	#2	13.1	184.0	24.4
	#3	21.9	31.3	41.6
OVERALL	#1	45.9	64.5	85.3
	#2	14.5	19.8	25.8

DIRECT & INDIRECT / DIRECT

















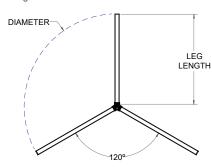




STANDARD PRODUCT INFORMATION

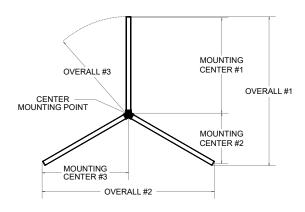
SPK3

Corner Joints: (1) 120° Fixtures: 3 Linear Legs



Product Dimensions

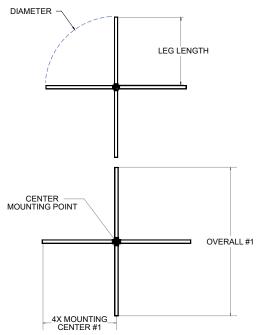
ORDERING	DIAMETER	LEG LENGTH
SPK3-2	4'	2'
SPK3-3	6'	3'
SPK3-4	8'	4'



SIZE/DISTRIBUT	ON	SPK3-2 DIRECT & INDIRECT / DIRECT	SPK3-3 DIRECT & INDIRECT / DIRECT	SPK3-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER	#1	25.3	36.1	48.1
	#2	12.7	18.0	24.0
	#3	21.9	31.3	41.6
OVERALL	#1	39.8	55.9	73.9
	#2	45.9	64.5	85.3
	#3	26.2	36.9	48.9

SPK4

Corner Joints: (1) 90° Fixtures: 4 Linear Legs



ORDERING	DIAMETER	LEG LENGTH
SPK4-2	4'	2'
SPK4-3	6'	3'
SPK4-4	8'	4'

SIZE/DISTRIBUTION	SPK4-2 DIRECT & INDIRECT / DIRECT	SPK4-3 DIRECT & INDIRECT / DIRECT	SPK4-4 DIRECT & INDIRECT / DIRECT
MOUNTING CENTER #1	25.6	36.4	48.4
OVERALL #1	52.8	74.3	98.3

DIRECT & INDIRECT / DIRECT















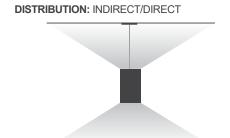


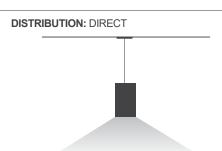


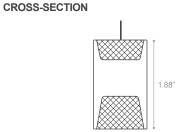


Lumato
Light Without Boundaries











Two Legs

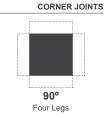


Two Legs

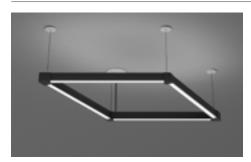








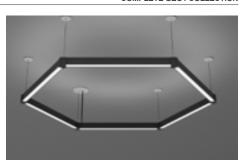
COMPLETE GEO1 COLLECTION



GEO1-PARA Parallelogram



GEO1-REC Rectangle



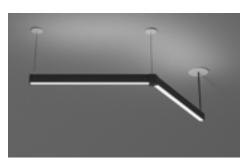
GEO1-HEX Hexagon



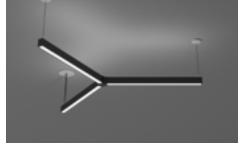
GEO1-TRI Triangle



GEO1-SQR Square



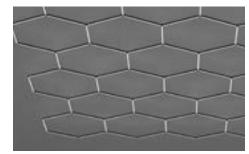
GEO1-CHEV Chevron







GEO1-SPK4 Spoke 4



GEO1-C Custom

DIRECT & INDIRECT / DIRECT





















SPECIFICATIONS









MECHANICAL

Housing Construction:

Extruded aluminum 6063-T5 alloy outer housing and our high-quality diecast end caps are engineered to conceal all fasteners, and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.

Mounting Method/Hardware:

Standard hanging hardware includes 1/16" diameter, galvanized steel aircraft cable with adjustable and lockable nickel-plated cable grippers at the luminaire. White or black 18/4 S.J.T. cord carries low voltage to luminaire. The standard hardware includes a 57" power cord and 60" aircraft cables to accommodate a 48" mounting distance from the ceiling. Ceiling canopy provided. All suspension hardware is tested and listed to UL1598 requirements for localing fixture support. requirements for loading/fixture support.

Fixture Finish:

The GEO fixture finish is available in White, Black, Silver, or Charcoal Gray polyester powder coat finish to ensure durability.

Fully machined aluminum corner joints with 2 mounting screws per fixture to provide strength. A sheet metal connector cover connects the multiple fixtures and hanging hardware together. This allows easy install and final wiring. Wiring is completed prior to final corner joint imstallation. Corner joint and sheet metal connector cover are joined with a 1/4-20 screw.

OPERATION

Remote Power Unit:

Remote Power Unit powers only one luminaire at a time. In row configurations, one power unit is required for each luminaire. Easy to access wiring compartments for fast and easy installation. Line voltage and low voltage wire compartments.

Remote Box Mounting Configurations:

- · Above T-Grid with supplied clips
- · Decorative surface mount on hard sheet rock construction
- Recessed in hard sheet rock construction (IC Rated)
- J-Box Mounted

Light Engine:

The GEO is available in 3000K, 3500K, and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 90+.

Our frosted acrylic roll in lens is designed to maximize efficiency while minimizing glare and eliminating light leak at fixture joints. Fixtures come with lens installed.

Upper Optics:

The upper optics consist of an extruded acrylic lens that provides a ultra-wide batwing distribution to produce a more evenly illuminated ceiling and wider spacing of luminaires.

Electrical:

Electrical connections at fixture are preinstalled with low voltage wiring. Class 2 programmable (factory pre-set) premium power supply, 120-277VAC or 347V input. Power factor >0.9 THD<15%. Integral Surge Protection to 2KV.

Dimming: The GEO comes standard with 0-10V dimming to 1%.

Emergency Battery Pack:
Emergency Battery Pack has been engineered to exceed UL minimum safety standards. Standard battery is CEC Listed. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack.

Emergency Circuit:

Emergency Circuit fixtures are engineered so that the entire direct illumination is wired to the emergency circuit.

GENERAL

Warranty:

Ten (10) year limited warranty from date of shipment, covers LED's, driver and luminaire. Optional accessories are covered by their individual Manufacturers' warranties.

Lumen Maintenance:

Rated for 85% initial lumen output (L85) at 90,000 hours of operation, operated at 25°C ambient temperatures; per TM-21 Guidelines published by the Illuminated Engineering Society (IES).

Certification:

All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

Remote Box Driver may be IC rated as an option. Contact Lumato for more information.

Manufactured in the USA:

All Lumato luminaires and components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA. All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

Shipping:

6-week lead-time for orders up to 1000 linear feet.

Lead-time for orders greater than 1000 linear feet will be determined at time of order.

Rev 4 September 2025

DIRECT & INDIRECT / DIRECT























Lumato Light Without Boundaries

CUSTOMIZED COMBOS

NOTE: 1 Square = 1 Foot
