

TruGroove suspended, surface & wall is driving performance beyond the edge. Innovative optics deliver exceptional uniformity and wide row spacing from a 3" aperture continuous line of light. An extended family and refined design are perfect for lighting any professional space.

TruGroove suspended now includes AccuRender technology for the highest color quality at the highest efficacy

Project:	
Location:	
Cat.No:	
Type:	
Line ID:	Qty:
Notes:	

Ordering guide

example: 2905L93535QQ08DS1RCST, A6-1-24

Family		Version	Distribution	Source	CRI/CCT ¹					
29		0		L						
29 TruGroove		0 Suspended	1 Direct	L LED	950	CRI 90, 5000K	930	CRI 90, 3000K		
			3 Indirect		940	CRI 90, 4000K	927	CRI 90, 2700K		
			5 Indirect / Direct		935	CRI 90, 3500K	8T2	CRI 80, 2700-6500K 2ch Tunable White (confirm controls) ⁵		
			6 Direct / Indirect							
Lumens ¹			Optics (Direct/Indirect)				Run Length			
40 4000 lm/4ft			QN	Performance Symmetric Flush MesoOptics Lens (Dn)				02	2ft	
30 3000 lm/4ft			LN	Definition Symmetric Flush Slik Lens (Dn)				03	3ft ¹²	
22 2200 lm/4ft			WN	Performance Asymmetric Wall Wash Flush MesoOptics Lens (Dn)				04	4ft	
15 1500 lm/4ft								05	5ft ¹²	
48 4800 lm/4ft			NQ	Performance Symmetric Lens (Up)				06	6ft	
32 3200 lm/4ft			NW	Performance Asymmetric Lens (Up)				08	8ft	
68 6800 lm/4ft (70% Up)			QQ	Performance Symmetric MesoOptics Lens (Dn)				XX Continuous run in 1ft increments (please specify length) ⁷ Suspended Patterns⁸: A4 2 ft x 2 ft Flat Corner (90°)		
52 5200 lm/4ft (60% Up)				Performance Symmetric Lens (Up)						
46 4600 lm/4ft (70% Up)			LQ	Definition Symmetric Flush Silk Lens (Dn)						
35 3500 lm/4ft (60% Up)				Performance Symmetric Lens (Up)						
68 6800 lm/4ft (60% Down)			WW	Performance Asymmetric Wall Wash MesoOptics Lens (Dn)						
52 5200 lm/4ft (60% Down)				Performance Asymmetric Lens (Up)						
46 4600 lm/4ft (70% Down)										
35 3500 lm/4ft (60% Down)										
Voltage	Driver	Circuit ^{2,10}			Wiring Option ^{2,10}		System / Controls ⁹			
D UNV 120-277V 3 347V ³	E Advance Xitanium 0-10V (1% Dim)	1 Single Circuit C Single Circuit + 1 Thru Wire (BP Trigger) ¹¹ F Single Circuit + 4 Thru Wires (Mains & Dimming) ¹¹ G Dual Circuit (Up/Down) L Dual Circuit (Up/Down) + 1 Thru Wire (BP Trigger) ¹¹ J Dual Circuit + 4 Thru Wires (Mains & Dimming) ¹¹			N None B Battery Pack ³ E Aux. Wiring ⁶ G GTD ³ (please specify voltage)		NN None			
D UNV 120-277V	D Advance Xitanium DALI (5% Dim) ³ H Lutron EcoSystem LDE1 (<1% Dim, Fade-to-Black) ³									
D UNV 120-277V	S Advance Xitanium SR (1% Dim) ³	1 Single Circuit C Single Circuit + 1 Thru Wire (BP Trigger) ¹¹			N None B Battery Pack ³ R UL924 Sensor Bypass Relay ¹³		NN None CS Interact Pro scalable wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time ^{4, 14} SB Interact Pro Enterprise advanced wireless sensor bundle, Integral SC1500 with IoT capabilities for enterprise scale projects ^{4, 12, 14}			
Finish		Mount Type					Suspension			
W Standard White		A1	Non-accessible ceiling, 0°-15° Slope Mount		A6-1 T-Grid On-Grid Mount 15/16" (non regular tile only)		24	24"	144	144"
T Titanium Silver		A2	T-Grid, Fixed Position Mount		A6-2 T-Grid On-Grid Mount 9/16" (non regular tile only)		48	48"	192	192"
B Black		A3	Non-accessible ceiling, 0°-90° Slope Mount		A6-3 T-Grid On-Grid Mount 9/16" x 5/16" (slot tee & regular tile)		96	96"	240	240"
G Graphite Grey		A5	T-Grid 24" Span Mount (non regular tile only)							
C Custom (please specify color)										

See footnotes on page 2.

DLC Note: Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

TruGroove suspended

Ordering guide footnotes

1. Nominal values within a range. Not all lumen packages are available with all configurations. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.
3. 347V not available with Battery Pack, GTD, DALI, Lutron EcoSystem or Sensor Ready drivers or Interact Pro options. Battery packs available in modules > 4ft (lumen package limits may apply, check with Ledalite).
4. Interact Pro options require separate controls hardware by Signify.
5. Please enquire about options for Tunable White with DALI (DT6 or DT8), 0-10V, or DMX control (extended lead times may apply).
6. Auxiliary Wiring not available with Interact Pro luminaires. Aux sections are wired to one fixture end only.
7. Available in continuous run lengths in increments of 1ft. Please enquire about options for smaller increments.
8. Flat corners are 90°. No asymmetric lens optics in corners. Please enquire about options for custom angles and intersections (extended lead times may apply).
9. Sensors are only available in white, but can be combined with any luminaire finish. Signify sensor options shown in the order guide. Third party sensors also available, please enquire about options for Lutron Athena, Vive, or others.
10. Luminaires are pre-wired to both ends with quick wire connectors at one end for standard circuit & battery pack trigger wire (if applicable). Each circuit has its own neutral conductor. All circuits are clearly labelled at each end.
11. Thru Wire options can provide either one additional set of (4) power and dimming wires (Black/White/Purple/Grey or Pink) or one additional battery pack trigger wire (Orange) through a selected module, please consult factory for other Thru Wire options.
12. This option is available on request. Other options not shown here may also be possible via a custom request. Extended lead times and minimum order quantities may apply, please consult factory.
13. UL924 listed sensor bypass relay is factory installed between driver & sensor. Must be ordered in same module as integral sensing option. Must be installed in conjunction with a UL1008 device.
14. Must order IRT9015 Interact commissioning remote with each system order.

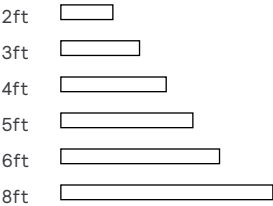
Note: Due to continuing product improvements, Ledalite reserves the right to change the specifications without notice.

TruGroove suspended

Options and dimensions

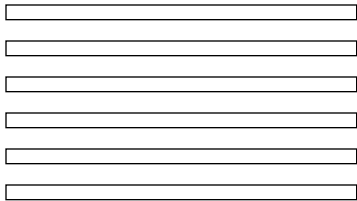
Standalone

Keep it simple with standalone modules, available in 6 standard lengths (consult Ledalite for custom lengths).



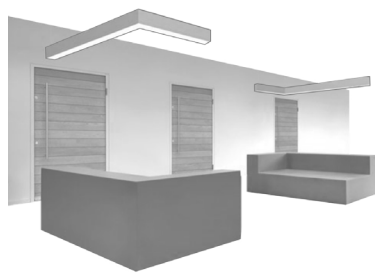
Continuous Run

Continuous Run in 1ft increments (enquire about smaller increments)



Patterns

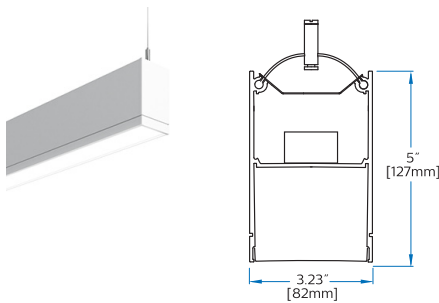
Seamlessly create any pattern imaginable (flat corners are 90°, contact Ledalite for custom angles and intersections).



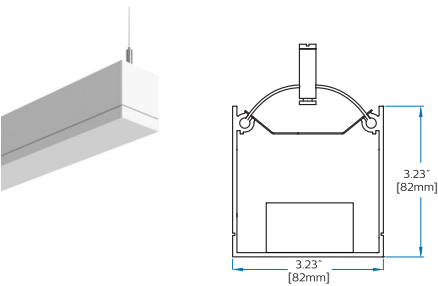
Flush lens

TruGroove suspended with 3" wide Flush MesoOptics or Silk lens.

Direct & Direct/Indirect



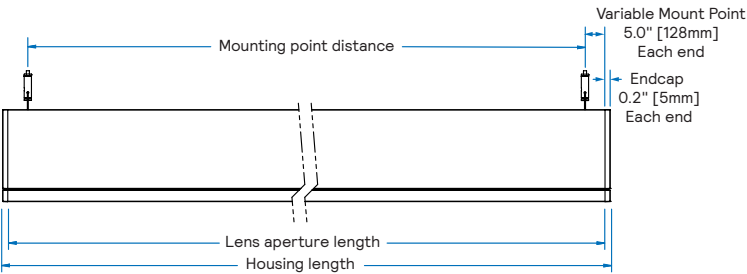
Indirect



TruGroove suspended

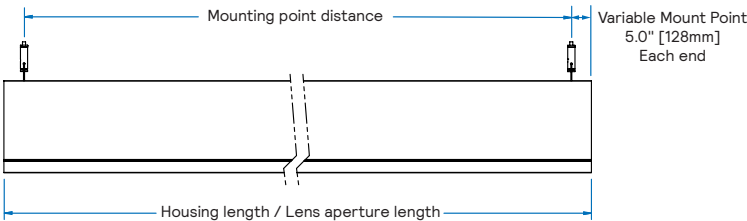
Side Views

Standalone



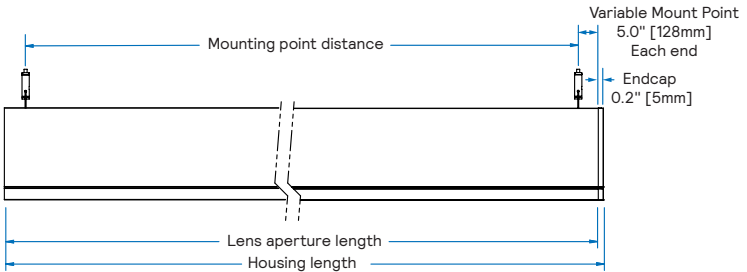
Nominal	Housing	Lens Aperture	Mounting Points
2ft	24.4" [620mm]	24.0" [610mm]	14.0" [559mm] to 23.5" [597mm]
3ft	36.4" [925mm]	36.0" [914mm]	26.0" [864mm] to 35.5" [902mm]
4ft	48.4" [1230mm]	48.0" [1219mm]	38.0" [1168mm] to 47.5" [1207mm]
5ft	60.4" [1535mm]	60.0" [1524mm]	50.0" [1473mm] to 59.5" [1511mm]
6ft	72.4" [1840mm]	72.0" [1829mm]	62.0" [1718mm] to 71.5" [1816mm]
8ft	96.4" [2449mm]	96.0" [2438mm]	86.0" [2388mm] to 95.5" [2426mm]

Continuous Run (Mid-run)



Nominal	Housing	Lens Aperture	Mounting Points
2ft	24.0" [610mm]	24.0" [610mm]	14.0" [559mm] to 23.5" [597mm]
3ft	36.0" [914mm]	36.0" [914mm]	26.0" [864mm] to 35.5" [902mm]
4ft	48.0" [1219mm]	48.0" [1219mm]	38.0" [1168mm] to 47.5" [1207mm]
5ft	60.0" [1524mm]	60.0" [1524mm]	50.0" [1473mm] to 59.5" [1511mm]
6ft	72.0" [1829mm]	72.0" [1829mm]	62.0" [1718mm] to 71.5" [1816mm]
8ft	96.0" [2438mm]	96.0" [2438mm]	86.0" [2388mm] to 95.5" [2426mm]

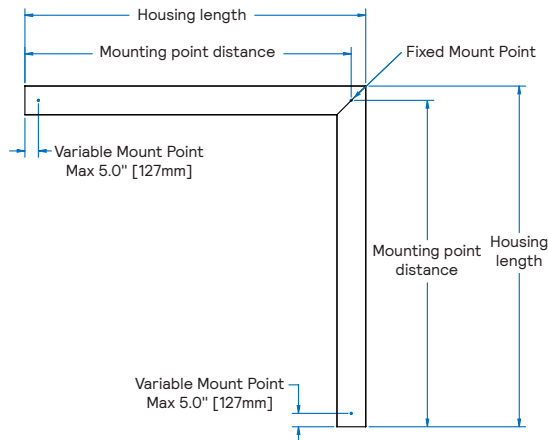
Continuous Run (End-run)



Nominal	Housing	Lens Aperture	Mounting Points
2ft	24.2" [610mm]	24.0" [610mm]	14.0" [559mm] to 23.5" [597mm]
3ft	36.2" [914mm]	36.0" [914mm]	26.0" [864mm] to 35.5" [902mm]
4ft	48.2" [1219mm]	48.0" [1219mm]	38.0" [1168mm] to 47.5" [1207mm]
5ft	60.2" [1524mm]	60.0" [1524mm]	50.0" [1473mm] to 59.5" [1511mm]
6ft	72.2" [1829mm]	72.0" [1829mm]	62.0" [1718mm] to 71.5" [1816mm]
8ft	96.2" [2438mm]	96.0" [2438mm]	86.0" [2388mm] to 95.5" [2426mm]

Top View

Flat Corner 90°



Nominal	Housing	Mounting Points
2ft x 2ft	25.6" [651mm]	24.0" [610mm]

Flat corners are 2ft x 2ft and can be used to create suspended patterns. Flat corners are 90°, contact Ledalite for custom angles and intersections.

Note: In corners, the upper hemisphere is always symmetric.

TruGroove suspended

Specifications

Optical System

Direct hemisphere: White light emitted from a linear array of downward-facing LEDs is laterally redirected using optical microstructures embedded in a layer of MesoOptics DX film. An extruded acrylic lens and MesoOptics film assembly then generates an optimal batwing distribution and a uniform continuum of light. The available Flush Silk Lens optics is a value-oriented option that provides a lambertian distribution while maintaining a uniform continuum of light.

Indirect hemisphere: White light emitted from a linear array of upward-facing LEDs is shaped into a homogeneous, wide-throw batwing distribution or a low peak angle asymmetric throw using either a freeform elliptical lens or an engineered light guide panel.

Housing

Post painted precision aluminum extrusion.

Endcaps

Diecast flat aluminum endcaps with integral groove to match housing.

Finish

High quality powder coated, available in standard Matte White, Black, Titanium Silver or Graphite Grey. TruGroove can also be specified in any custom color upon request for a one-time setup charge. Optional sensors (such as Interact Pro) available in white only.

Mounting

Suspended: Variable sling mount allows $\pm 5"$ of horizontal adjustment from joint or end. Aircraft cable and tamper-resistant gripper provide unlimited vertical adjustment and are independently tested to stringent safety standards.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Weight

Maximum 3.9lbs/ft (suspended), 21lb (2ft x 2ft suspended corner)

Electrical

Fixtures are factory pre-wired to section ends with quick-wire connectors and tested for all circuits and backup battery packs. LED boards and drivers are easily field replaceable with access from below the ceiling.

Standard Drivers

Advance Xitanium 0-10V, 1% Dimming.
Advance Xitanium DALI, 5% Dimming.
Advance Xitanium Sensor Ready, 1% Dimming.
Lutron EcoSystem LDE1, 1% Dimming with Soft-On and Fade-to-Black.
Class 2 rated output. Consult Ledalite for other available drivers.

Standard Battery Packs

Bodine Battery Pack, 90 min, 10W, Class 2 rated output.
Lumen output = 10W x luminaire efficacy x 1.1. Typical output ~1200lm.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-15. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is:
 $L_{80}(10k) > 60,000$ hours (Reported methodology).

Source Color

LEDs rated for color rendering of:
 $CRI R_a \geq 90, R_g \geq 50, G_a \geq 97, C_g \geq 90$
IES TM-30-18 : $R_f \geq 90, R_{f,h1} \geq 89, R_g \geq 99, R_{cs,h1} \geq -5\%$
SPD and TM-30-18 reports available upon request
Fixture to fixture color accuracy within:
2 SDCM for Static White luminaires
3 SDCM for Tunable White luminaires

Approvals

Certified to UL, IES & CSA Standards.

Certain versions without battery packs are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers.
www.designlights.org/QPL

Select TruGroove configurations contribute toward satisfying features L03, L04, L06, L07 and L08 under the WELL v2 Building Standard®.

Environment

Rated for dry or damp locations in operating ambient temperatures of 0-25°C (32-77°F).

Many luminaire components, such as reflectors, refractors, lenses, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur-based chemicals, petroleum-based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility. Damage caused by sulfur, chlorine, petroleum-based solution or other contaminants are not covered under warranty. Not suitable for natatorium environments.

Warranty

Five-year luminaire limited warranty including LED boards and driver:
www.signify.com/warranties

QuickShip

10-day QuickShip available for most configurations upon request. More information available at:
www.signify.com/en-us/brands/ledalite/quickship

TruGroove suspended

Wireless Controls Options

Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (CS an evolution of SpaceWise):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- For more information on Interact Pro visit:
www.interact-lighting.com/interactproscalablesystem

Emergency Options (R):

- Power Sensing (Factory default) – Recommended
- UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output.
- Power Interruption Detection (Field option)
- Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output.

Interact Pro scalable sensor bundles for Enterprise tier (SB):

- SB option, in addition to occupancy and daylight sensing, supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Requires compatible Gateway and internet connectivity for commissioning. For more information, visit:
www.interact-lighting.com/office

Wired Controls Options

Tunable White:

- Other control options for Tunable White with DALI (DT6 or DT8), 0–10V, or DMX control are available via an Engineered-to-Order (ETO) request.
- Signify Tunable White solutions are designed to help maximize the influence of lighting on your daily life.
- Dynamic behaviors via scheduled lighting recipes mimicking daylight patterns or supporting biorhythms.
- Scene setting via lighting pre-sets based on various combinations of lighting color temperature and intensity.

TruGroove suspended

Functionalities overview

The three tiers of Interact			
	Standalone	Gateway	Gateway + IoT
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0-10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
New Correlated color temperature (CCT) tuning by switch	✓	✓	✓
New Support for sensor-based Tunable White luminaires	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

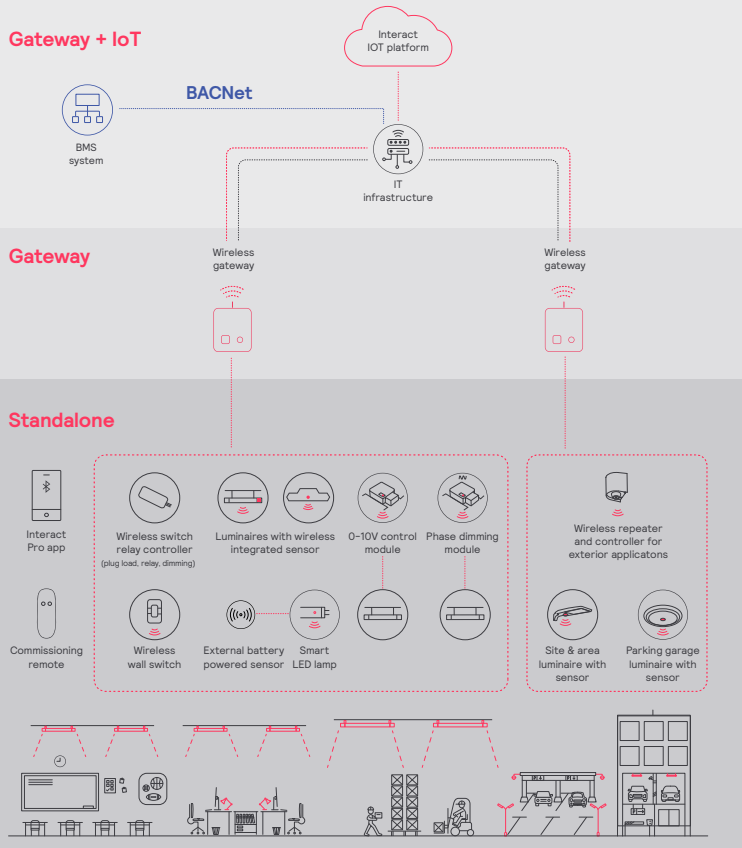
Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDs	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16

Interact system architecture for office, education, healthcare, retail, industrial and parking applications

Gateway + IoT



TruGroove suspended

Colorimetry

TruGroove suspended (29xx) AccuRender Static White

Nominal CRI & CCT		CRI 90, 2700K	CRI 90, 3000K	CRI 90, 3500K	CRI 90, 4000K	CRI 90, 5000K
CIE 013.3-1995 ¹	CRI R_a	94	93	93	93	93
	R_9	55	57	59	64	68
	G_a	99	99	99	99	99
	C_g	93	93	93	93	94
IES TM-30-18 ²	R_f	92	91	91	91	90
	R_f, h_1	90	90	90	91	89
	R_g	100	100	99	100	100
	R_{cs}, h_1	-6%	-5%	-6%	-5%	-5%
MDER ³		0.45	0.51	0.58	0.65	0.81

1. Color Rendering Index (CRI Ra) and Strong Red (R9) are calculated in accordance with CIE 013.3-1995. Color Gamut index (Ga) and red chroma Index (C9) are CIE based properties using the Global Lighting Association's calculation tool.

2. Fidelity Index (Rf), Red Fidelity Index (Rf,h1), Gamut Index (Rg), and Red Local Chroma Shift (Rcs,h1) are calculated in accordance with IES TM-30-18.-18.

3. Melanopic Daylight Efficacy Ratio (MDER) is the measure for "spectral melanopic efficiency" as defined in CIE S 026-2018.

TruGroove suspended

Photometry

Direct (2901) Performance Symmetric Flush MesoOptic Lens – QN

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Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
4000	42.0	3,747	89.2	23.9	PDF	IES	3,854	91.8	24.0	PDF	IES	4,003	95.3	24.1	PDF	IES	4,060	96.7	24.2	PDF	IES	4,151	98.8	24.2	PDF	IES
3000	32.9	2,998	91.1	23.1	PDF	IES	3,082	93.7	23.2	PDF	IES	3,192	97.0	23.3	PDF	IES	3,242	98.5	23.4	PDF	IES	3,316	100.8	23.5	PDF	IES
2200	22.2	2,023	91.1	21.8	PDF	IES	2,082	93.8	21.9	PDF	IES	2,148	96.8	22.0	PDF	IES	2,186	98.5	22.0	PDF	IES	2,234	100.6	22.1	PDF	IES
1500	14.7	1,361	92.6	20.4	PDF	IES	1,403	95.4	20.5	PDF	IES	1,444	98.2	20.6	PDF	IES	1,471	100.1	20.6	PDF	IES	1,500	102.0	20.7	PDF	IES

Direct (2901) Performance Asymmetric Flush MesoOptics Lens – WN

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Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
4000	42.0	3,434	81.8	23.2	PDF	IES	3,532	84.1	23.3	PDF	IES	3,669	87.4	23.4	PDF	IES	3,721	88.6	23.5	PDF	IES	3,804	90.6	23.5	PDF	IES
3000	32.9	2,747	83.5	22.4	PDF	IES	2,825	85.9	22.5	PDF	IES	2,925	88.9	22.6	PDF	IES	2,971	90.3	22.7	PDF	IES	3,039	92.4	22.8	PDF	IES
2200	22.2	1,854	83.5	21.0	PDF	IES	1,908	85.9	21.1	PDF	IES	1,969	88.7	21.3	PDF	IES	2,003	90.2	21.3	PDF	IES	2,047	92.2	21.4	PDF	IES
1500	14.7	1,247	84.8	19.7	PDF	IES	1,286	87.5	19.8	PDF	IES	1,323	90.0	19.9	PDF	IES	1,348	91.7	19.9	PDF	IES	1,375	93.5	20.0	PDF	IES

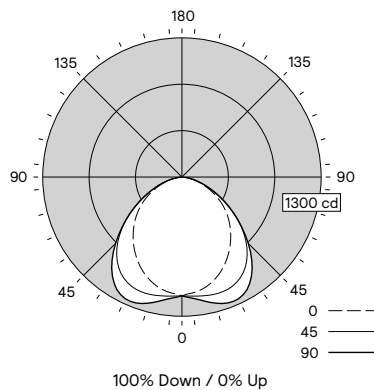
Direct (2901) Definition Symmetric Flush Silk Lens – LN

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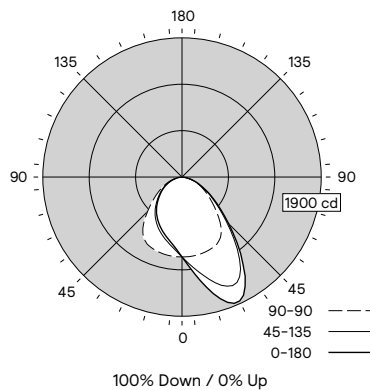
Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
4000	42.0	3,919	93.3	25.3	PDF	IES	4,031	96.0	25.4	PDF	IES	4,187	99.7	25.6	PDF	IES	4,247	101.1	25.6	PDF	IES	4,342	103.4	25.7	PDF	IES
3000	32.9	3,136	95.3	24.6	PDF	IES	3,224	98.0	24.7	PDF	IES	3,339	101.5	24.8	PDF	IES	3,391	103.1	24.8	PDF	IES	3,469	105.4	24.9	PDF	IES
2200	22.2	2,116	95.3	23.2	PDF	IES	2,178	98.1	23.3	PDF	IES	2,247	101.2	23.4	PDF	IES	2,286	103.0	23.5	PDF	IES	2,336	105.2	23.5	PDF	IES
1500	14.7	1,423	96.8	21.8	PDF	IES	1,468	99.9	21.9	PDF	IES	1,510	102.7	22.0	PDF	IES	1,539	104.7	22.1	PDF	IES	1,569	106.7	22.2	PDF	IES

1. 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires with finishes other than standard white may result in a drop in flux and efficacy.
2. Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

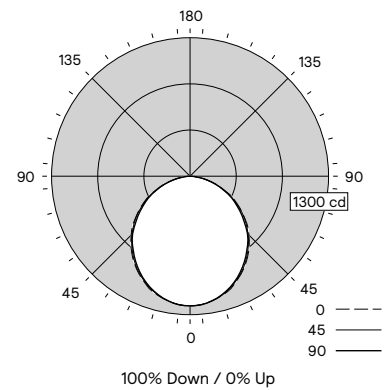
Performance Symmetric Batwing Flush MesoOptic Lens – QN Spacing Criteria: 1.16/1.51



Performance Asymmetric Flush MesoOptic Lens – WN Spacing Criteria: 1.66/1.34



Definition Symmetric Flush Silk Lens – LN Spacing Criteria: 1.23/1.21



Candela plots shown are for 3000lm/4ft, CRI 90, 3500K configurations.

TruGroove suspended

Photometry

Indirect (2903) Performance Symmetric Lens - NQ

Click "PDF" or "IES" text to download

Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
4800	35.9	4,499	125.3	N/A	PDF	IES	4,626	128.9	N/A	PDF	IES	4,795	133.6	N/A	PDF	IES	4,868	135.6	N/A	PDF	IES	4,979	138.7	N/A	PDF	IES
3200	23.6	3,002	127.2	N/A	PDF	IES	3,089	130.9	N/A	PDF	IES	3,189	135.1	N/A	PDF	IES	3,243	137.4	N/A	PDF	IES	3,315	140.5	N/A	PDF	IES

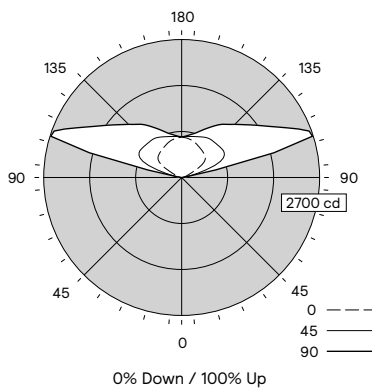
Indirect (2903) Performance Asymmetric Lens - NW

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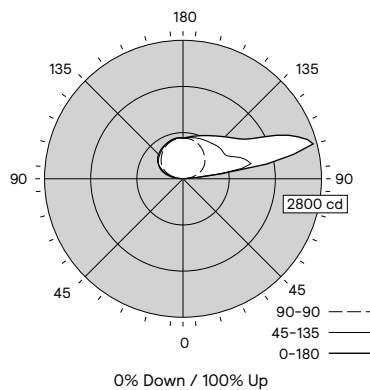
Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
4800	35.9	4,212	117.3	N/A	PDF	IES	4,330	120.6	N/A	PDF	IES	4,488	125.0	N/A	PDF	IES	4,557	126.9	N/A	PDF	IES	4,661	129.8	N/A	PDF	IES
3200	23.6	2,810	119.1	N/A	PDF	IES	2,891	122.5	N/A	PDF	IES	2,985	126.5	N/A	PDF	IES	3,036	128.6	N/A	PDF	IES	3,103	131.5	N/A	PDF	IES

1. 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires with finishes other than standard white may result in a drop in flux and efficacy.
2. Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

Performance Symmetric Lens - NQ



Performance Asymmetric Lens - NW



Candela plots shown are for 4800lm/4ft, CRI 90, 3500K configurations.

TruGroove suspended

Photometry

Indirect/Direct (2905) Performance Symmetric MesoOptics Lens – QQ

Click "PDF" or "IES" text to download

Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
6800	70% Up	57.8	6,523	112.9	15.5	PDF	IES	6,708	116.1	15.6	PDF	IES	6,944	120.1	15.7	PDF	IES	7,054	122.0	15.8	PDF	IES	7,213	124.8	15.9	PDF	IES
5200	60% Up	42.0	4,840	115.2	16.9	PDF	IES	4,981	118.6	17.0	PDF	IES	5,139	122.4	17.1	PDF	IES	5,228	124.5	17.2	PDF	IES	5,343	127.2	17.2	PDF	IES
4600	70% Up	38.2	4,363	114.2	14.2	PDF	IES	4,492	117.6	14.3	PDF	IES	4,633	121.3	14.4	PDF	IES	4,714	123.4	14.5	PDF	IES	4,816	126.1	14.6	PDF	IES
3500	60% Up	28.2	3,255	115.4	15.5	PDF	IES	3,357	119.0	15.6	PDF	IES	3,454	122.5	15.7	PDF	IES	3,520	124.8	15.8	PDF	IES	3,588	127.2	15.8	PDF	IES

Indirect/Direct (2905) Performance Asymmetric MesoOptics Lens – WW

Click "PDF" or "IES" text to download

Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
6800	70% Up	57.8	6,066	104.9	14.8	PDF	IES	6,238	107.9	14.9	PDF	IES	6,457	111.7	15.0	PDF	IES	6,559	113.5	15.0	PDF	IES	6,708	116.1	15.1	PDF	IES
5200	60% Up	42.0	4,491	106.9	16.0	PDF	IES	4,621	110.0	16.1	PDF	IES	4,768	113.5	16.2	PDF	IES	4,851	115.5	16.3	PDF	IES	4,958	118.0	16.4	PDF	IES
4600	70% Up	38.2	4,057	106.2	13.4	PDF	IES	4,177	109.3	13.5	PDF	IES	4,308	112.8	13.6	PDF	IES	4,384	114.8	13.6	PDF	IES	4,478	117.2	13.7	PDF	IES
3500	60% Up	28.2	3,020	107.1	14.6	PDF	IES	3,114	110.4	14.8	PDF	IES	3,205	113.7	14.9	PDF	IES	3,266	115.8	14.9	PDF	IES	3,329	118.0	15.0	PDF	IES

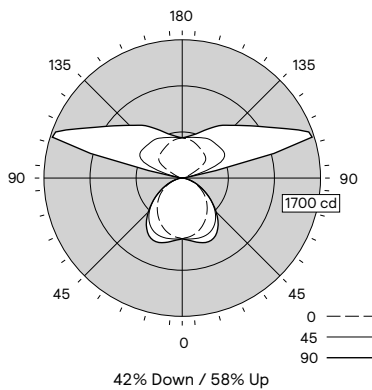
Indirect/Direct (2905) Definition Symmetric Flush Silk Lens – LQ

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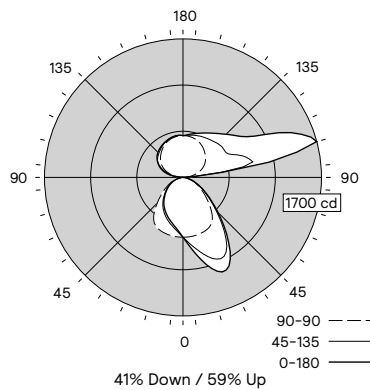
Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
6800	70% Up	57.8	6,616	114.5	17.1	PDF	IES	6,804	117.7	17.3	PDF	IES	7,042	121.8	17.3	PDF	IES	7,154	123.8	17.3	PDF	IES	7,316	126.6	17.4	PDF	IES
5200	60% Up	42.0	4,933	117.5	18.4	PDF	IES	5,077	120.9	18.4	PDF	IES	5,238	124.7	18.6	PDF	IES	5,329	126.9	18.7	PDF	IES	5,446	129.7	18.7	PDF	IES
4600	70% Up	38.2	4,426	115.9	15.8	PDF	IES	4,557	119.3	15.9	PDF	IES	4,699	123.0	16.0	PDF	IES	4,782	125.2	16.0	PDF	IES	4,885	127.9	16.1	PDF	IES
3500	60% Up	28.2	3,318	117.7	17.1	PDF	IES	3,421	121.3	17.1	PDF	IES	3,521	124.9	17.3	PDF	IES	3,587	127.2	17.2	PDF	IES	3,657	129.7	17.4	PDF	IES

1. 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. IES files can be downloaded by clicking the links in the table above, or online at ledalite.com. Luminaires with finishes other than standard white may result in a drop in flux and efficacy.
2. Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4Hx8Hx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.

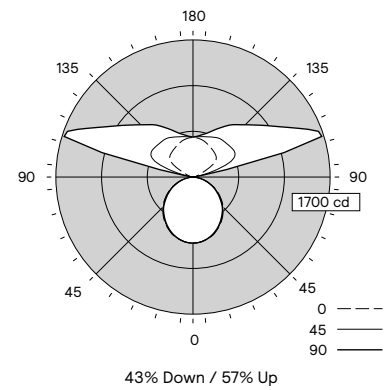
Performance Symmetric MesoOptic Lens – QQ Spacing Criteria: 1.16/1.51



Performance Asymmetric MesoOptic Lens – WW Spacing Criteria: 1.66/1.34



Definition Symmetric Flush Silk Lens – LQ Spacing Criteria: 1.23/1.21



Candela plots shown are for 5200lm/4ft, CRI 90, 3500K configurations.

TruGroove suspended

Photometry

Direct/Indirect (2906) Performance Symmetric MesoOptic Lens - QQ

Click "PDF" or "IES" text to download

Nominal CRI & CCT		CRI 90, 2700K						CRI 90, 3000K						CRI 90, 3500K						CRI 90, 4000K						CRI 90, 5000K					
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
6800 60% Down	63.9	6,564	102.7	20.4	PDF	IES	6,753	105.7	20.5	PDF	IES	6,994	109.5	20.7	PDF	IES	7,103	111.2	20.7	PDF	IES	7,261	113.6	20.8	PDF	IES	7,405	113.8	20.4	PDF	IES
5200 60% Down	47.5	4,892	103.0	20.0	PDF	IES	5,036	106.0	20.1	PDF	IES	5,202	109.5	20.2	PDF	IES	5,290	111.4	20.3	PDF	IES	5,405	113.8	20.4	PDF	IES	5,405	113.8	20.4	PDF	IES
4600 70% Down	43.6	4,313	98.9	20.7	PDF	IES	4,440	101.8	20.8	PDF	IES	4,586	105.2	21.0	PDF	IES	4,665	107.0	21.0	PDF	IES	4,764	109.3	21.1	PDF	IES	4,764	109.3	21.1	PDF	IES
3500 60% Down	33.0	3,338	101.2	18.7	PDF	IES	3,440	104.2	18.7	PDF	IES	3,543	107.4	18.9	PDF	IES	3,609	109.4	18.9	PDF	IES	3,682	111.6	19.0	PDF	IES	3,682	111.6	19.0	PDF	IES

Direct/Indirect (2906) Performance Asymmetric MesoOptics Lens - WW

Click "PDF" or "IES" text to download

Nominal CRI & CCT		CRI 90, 2700K						CRI 90, 3000K						CRI 90, 3500K						CRI 90, 4000K						CRI 90, 5000K					
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
6800 60% Down	63.9	6,070	95.0	19.8	PDF	IES	6,245	97.7	19.8	PDF	IES	6,468	101.2	20.0	PDF	IES	6,569	102.8	20.0	PDF	IES	6,715	105.1	20.1	PDF	IES	6,715	105.1	20.1	PDF	IES
5200 60% Down	47.5	4,520	95.2	19.3	PDF	IES	4,653	98.0	19.4	PDF	IES	4,807	101.2	19.6	PDF	IES	4,888	102.9	19.6	PDF	IES	4,994	105.1	19.7	PDF	IES	4,994	105.1	19.7	PDF	IES
4600 70% Down	43.6	3,978	91.2	20.0	PDF	IES	4,096	93.9	20.1	PDF	IES	4,230	97.0	20.2	PDF	IES	4,303	98.7	20.3	PDF	IES	4,394	100.8	20.3	PDF	IES	4,394	100.8	20.3	PDF	IES
3500 60% Down	33.0	3,085	93.5	17.9	PDF	IES	3,179	96.3	17.9	PDF	IES	3,274	99.2	18.1	PDF	IES	3,335	101.1	18.1	PDF	IES	3,402	103.1	18.3	PDF	IES	3,402	103.1	18.3	PDF	IES

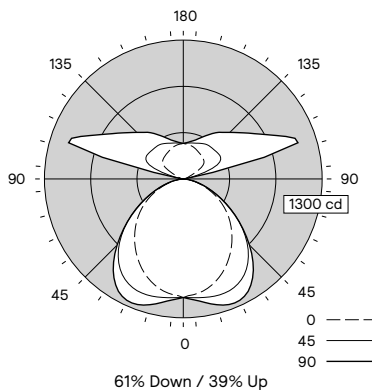
Direct/Indirect (2906) Definition Symmetric Flush Silk Lens - LQ

Click "PDF" or "IES" text to download

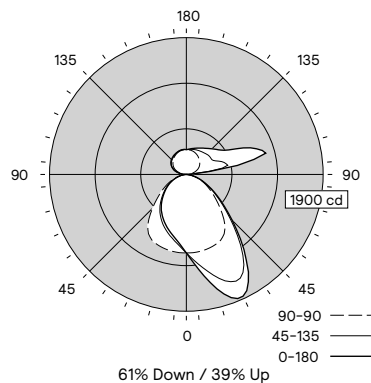
Nominal CRI & CCT		CRI 90, 2700K						CRI 90, 3000K						CRI 90, 3500K						CRI 90, 4000K						CRI 90, 5000K					
Nominal Lumen Package (lm/4ft)	Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File
6800 60% Down	63.9	6,736	105.4	22.0	PDF	IES	6,930	108.5	22.1	PDF	IES	7,178	112.3	22.2	PDF	IES	7,290	114.1	22.3	PDF	IES	7,451	116.6	22.4	PDF	IES	7,451	116.6	22.4	PDF	IES
5200 60% Down	47.5	5,030	105.9	21.6	PDF	IES	5,177	109.0	21.6	PDF	IES	5,349	112.6	21.8	PDF	IES	5,439	114.5	21.9	PDF	IES	5,557	117.0	22.0	PDF	IES	5,557	117.0	22.0	PDF	IES
4600 70% Down	43.6	4,451	102.1	22.3	PDF	IES	4,582	105.1	22.3	PDF	IES	4,733	108.6	22.5	PDF	IES	4,814	110.4	22.5	PDF	IES	4,917	112.8	22.6	PDF	IES	4,917	112.8	22.6	PDF	IES
3500 60% Down	33.0	3,431	104.0	20.2	PDF	IES	3,536	107.2	20.3	PDF	IES	3,642	110.4	20.4	PDF	IES	3,710	112.4	20.5	PDF	IES	3,784	114.7	20.5	PDF	IES	3,784	114.7	20.5	PDF	IES

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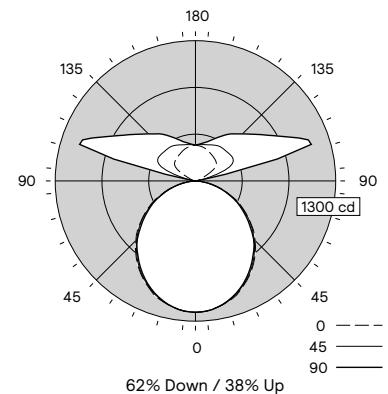
Performance Symmetric MesoOptic Lens - QQ Spacing Criteria: 1.16/1.51



Performance Asymmetric MesoOptic Lens - WW Spacing Criteria: 1.66/1.34



Definition Symmetric Flush Silk Lens - LQ Spacing Criteria: 1.23/1.21



Candela plots shown are for 5200lm/4ft, CRI 90, 3500K configurations.