



TruGroove suspended micro louver drives performance beyond the edge. Innovative optics deliver exceptional uniformity and wide row spacing from a 1.75" aperture continuous line of light. Unique Quad Optic louver cells offer a wide range of options from graze to stack to asymmetric wall wash exceeding the demands of the most challenging spaces.

TruGroove suspended micro louver includes AccuRender technology for the highest color quality at the highest efficacy.

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

Ordering guide ¹²

example: TM05L940QRPC230Q5008DS1NCWS, A6-1-24

Family	Version	Distribution	Source	CRI/CCT ^{1, 5, 6, 14}					
TM TruGroove micro	0 Suspended	1 Direct 3 Indirect 5 Indirect / Direct 6 Direct / Indirect	L LED	950 CRI 90, 5000K 930 CRI 90, 3000K	940 CRI 90, 4000K 927 CRI 90, 2700K	935 CRI 90, 3500K 912 CRI 90, 2700-6500K 2ch Tunable White (please confirm driver & controls)			
Optics (Direct)	Lens Optic ^{5, 16}	Louver Cell Optic ^{6, 15}	Louver Color	Louver Length ¹⁵	Louver Position ¹⁵	Lumens (Direct) ^{1, 16}	Optics (Indirect)	Lumens (Indirect) ^{1, 16}	Run Length ⁷
N No Lens (must specify louver optic)	N No Louver (must specify lens optic)	N None	N None	N None	N None	40 4000 lm/4ft	N None	NN None	O2 2ft
Q Performance Symmetric Batwing Flush MesoOptics	G Performance 17° Graze Beam w/MesoOptics	B Black	C 6in (3 Cells)	1 One End	1 One End	35 3500 lm/4ft	Q Performance Symmetric	70 7000 lm/4ft	C2 2.5ft
W Performance Asymmetric Wall Wash Flush MesoOptics	R Performance 27° Narrow Beam w/MesoOptics	W White	1 1ft (6 Cells)	2 Both Ends	2 Both Ends	30 3000 lm/4ft	W Performance Asymmetric	60 6000 lm/4ft	O3 3ft
L Definition Symmetric Flush Silk	M Performance 48° Medium Beam w/MesoOptics	P Platinum	F Full Length	F Full Length	F Full Length	25 2500 lm/4ft		50 5000 lm/4ft	C3 3.5ft
D Definition Symmetric Drop Silk	S Performance 63° Stack Beam w/MesoOptics	G Gold				20 2000 lm/4ft		40 4000 lm/4ft	O4 4ft
B Definition Symmetric Flush Black	Q Performance 61° Symmetric Batwing w/MesoOptics	C Copper				15 1500 lm/4ft		30 3000 lm/4ft	O5 5ft
	W Performance 20° Asymmetric Wall Wash w/MesoOptics					10 1000 lm/4ft		20 2000 lm/4ft	O6 6ft
	K Definition Symmetric Silk Optic					07 700 lm/4ft		10 1000 lm/4ft	O8 8ft
Notes: For lens/louver combinations please select both lens and louver options. FF full length louver cannot be combined with a lens, must select N for lens option. Continuous runs available in 6in increments (please specify length).									
Voltage ³	Driver ^{3, 5}	Circuit ^{2, 10, 11}	Wiring Option ^{2, 5, 6, 10, 13}	System/Controls ^{4, 9, 14}					
D UNV 120-277V 3 347V	E Advance Xitanium 0-10V (1% Dim)	1 Single Circuit V Single Circuit + 1 Thru Wire (BP Trigger)	N None B Battery Pack E Auxiliary Wiring G GTD (please specify voltage)	NN None					
D UNV 120-277V	D Advance Xitanium DALI (5% Dim) H Lutron EcoSystem LDE1 (<1% Dim, Fade-to-Black)	F Single Circuit + 4 Thru Wires (Mains & Dimming) G Dual Circuit (Up/Down) W Dual Circuit (Up/Down) + 1 Thru Wire (BP Trigger)	N None B Battery Pack R UL924 Sensor Bypass Relay	NN None CS Interact Pro scalable wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time. SB Interact Pro Enterprise advanced wireless sensor bundle, Integral SC1500 with IoT capabilities for enterprise scale projects.					
D UNV 120-277V	S Advance Xitanium SR (1% Dim)	1 Single Circuit V Single Circuit + 1 Thru Wire (BP Trigger)	N None B Battery Pack	NN None CS Interact Pro scalable wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time. SB Interact Pro Enterprise advanced wireless sensor bundle, Integral SC1500 with IoT capabilities for enterprise scale projects.					
D UNV 120-277V	F Advance FlexTune SR (1% Dim) 2 0-10V 2ch (1% Dim) 6 DALI-2 DT6 2ch (1% Dim) 8 DALI-2 DT8 2ch (1% Dim)	1 Single Circuit V Single Circuit + 1 Thru Wire (BP Trigger)	N None	NN None CS Interact Pro scalable wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time. SB Interact Pro Enterprise advanced wireless sensor bundle, Integral SC1500 with IoT capabilities for enterprise scale projects.					
L Low Voltage (48-54V DC)	P PoE Lighting Controller	1 Single Circuit	N None B Battery Pack	NN None IO Interact Office wired sensor with integral daylighting & occupancy sensing, enables wired connected lighting control. SB Interact Office advanced wired sensor bundle, Integral SC2000 with IoT capabilities for enterprise scale projects.					
Finish ¹⁷	Mount Type	Ceiling Type	Suspension Length						
W Standard White T Titanium Silver B Midnight Black G Graphite Grey 1 Dark Walnut Woodgrain 2 Light Cherry Woodgrain 3 White Cherry Woodgrain C Custom (please specify color)	A Aircraft Cable Mount	1 Non-accessible ceiling, 0°-15° Slope Mount 2 T-Grid, Fixed Position Mount 3 Non-accessible ceiling, 0°-90° Slope Mount 5 T-Grid 24" Span Mount, (non regular tile only)	6-1 T-Grid On-Grid Mount 15/16", (non regular tile only) 6-2 T-Grid On-Grid Mount 9/16", (non regular tile only) 6-3 T-Grid On-Grid Mount 9/16" x 5/16", (slot tee & regular tile)						
Notes: Aircraft cable suspension length is from ceiling to top of luminaire. Standard power cord is white. Black or clear power cords available on request. Standard canopies are white. A1 and A3 canopies can be powder coated to match fixture colour on request (*excludes woodgrain finishes).									

Finish options



Standard White (W)



Titanium Silver (T)



Midnight Black (B)



Graphite Grey (G)



Dark Walnut (1)



Light Cherry (2)



White Cherry (3)

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 micro (louver)

Order 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 & Interact Office Wired (PoE) options require separate controls hardware by Signify.
5. Tunable White options are available with Interact Pro wireless or with 2ch 0-10V, DALI-2 (DT6 or DT8) or Interact Office (PoE) wired drivers. Please enquire about options such as Lutron T Series or DMX control (extended lead times may apply).
6. Auxiliary Wiring not available with Interact Pro or Interact Office Wired (PoE) luminaires. Aux sections are wired to one fixture end only.
7. Flat corners are 90°. No asymmetric lens optics in corners. Please enquire about options for custom angles and intersections. for 2ft D/I configurations please consult factory. (Extended lead times may apply for these options).
8. Tunable White not available with Louver Cell Optics.
9. Integral sensors only recommended at ends of runs for best aesthetics. Mid run sensors can be provided in remote mounts. Integral sensors not available with Drop Lens options. Please enquire about options for remote sensors. Sensors must be combined with a Sensor Ready driver options. Default sensor color is white, fixtures with black finish have black sensors. (Consult factory for other combinations).
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/Pink or Brown) or one additional battery pack trigger wire (Orange) through a selected module, please consult factory for other Thru Wire options.
12. 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. Consult Ledalite for other options. Must be installed in conjunction with a UL1008 device.
14. Must order IRT9015 Interact commissioning remote with each system order.
15. Combination modules with Louver Cells and a Flush Lens may be specified by using the "Louver Cell Length" and "Louver Cell Position" options.
16. Black Lens limits direct lumens to 700 or 1000lm/4ft and indirect lumens to a max of 3000lm/4ft. Tunable White only in MesoOptic, Flush Silk or Drop Silk lenses, consult photometry data for lumens options of chosen configuration.
17. Woodgrain finishes only available in straight runs.

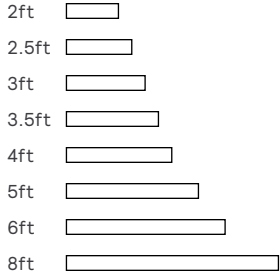
Note: Due to continuing product improvements, Ledalite reserves the right to change the specifications without notice.

TruGroove suspended micro (louver)

Options and dimensions

Standalone

Keep it simple with standalone modules, available in 8 standard lengths (consult Ledalite for custom lengths).



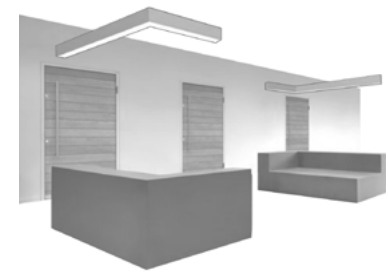
Continuous Run

Create an uninterrupted ribbon of light with continuous runs, specifiable to 6 in.



Patterns

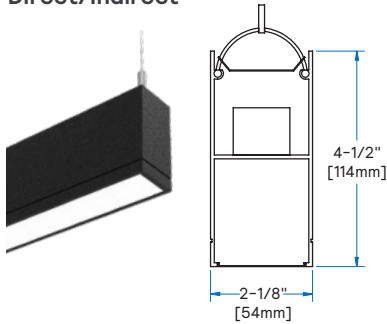
Seamlessly create any pattern imaginable (flat corners are 90°, contact Ledalite for custom angles and intersections).



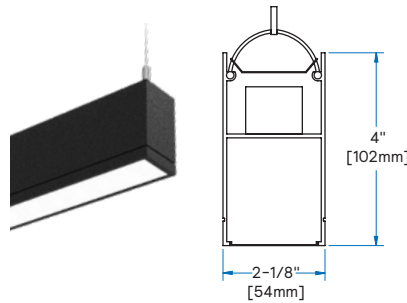
Flush lens

TruGroove suspended micro with 1.75" wide Flush MesoOptics or Silk lens.

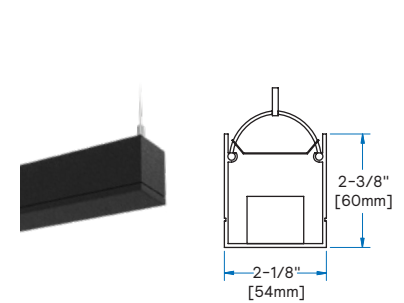
Direct/Indirect



Direct



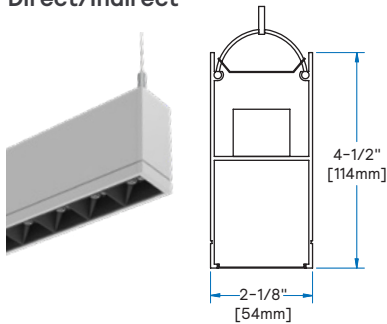
Indirect



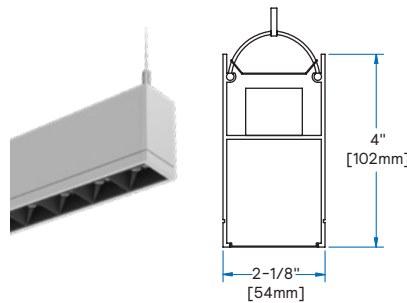
Louver

TruGroove suspended micro with Ledalite's unique quad optic louver cells with MesoOptics in 6 distributions.

Direct/Indirect



Direct

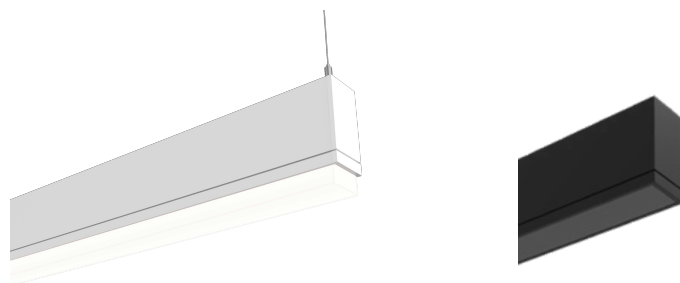


Louvers can be ordered at the full fixture length or in 6 in. or 1 ft sections at one or both ends of a fixture in combination with a lens.



Drop lens and black lens

TruGroove suspended micro with drop lens and black lens options.

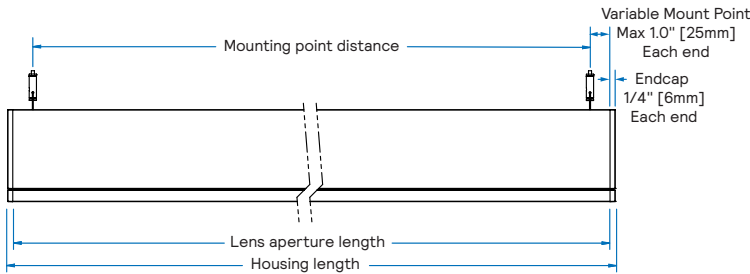


TruGroove suspended micro (louver)

Options and dimensions

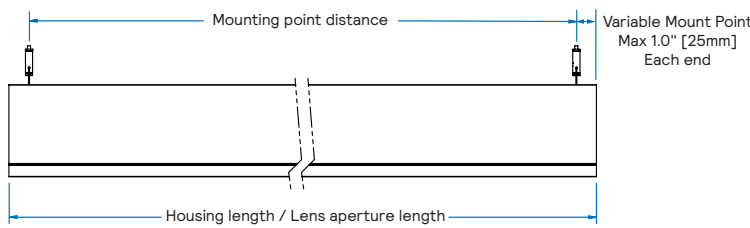
Side Views

Standalone



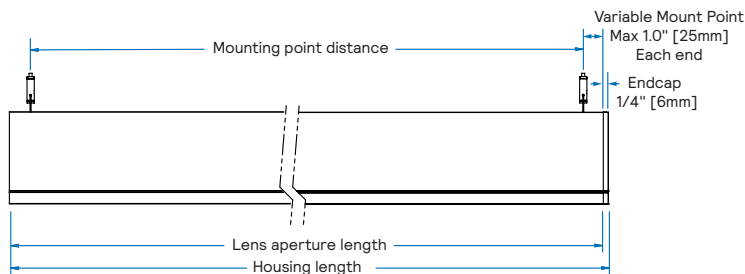
Nominal	Housing	Lens Aperture	Mounting Points
2ft	24.5" [622mm]	24.0" [610mm]	22.0" [559mm] to 23.5" [597mm]
2.5ft	30.5" [775mm]	30.0" [762mm]	28.0" [711mm] to 29.5" [749mm]
3ft	36.5" [927mm]	36.0" [914mm]	34.0" [864mm] to 35.5" [902mm]
3.5ft	42.5" [1080mm]	42.0" [1067mm]	40.0" [1016mm] to 41.5" [1054mm]
4ft	48.5" [1232mm]	48.0" [1219mm]	46.0" [1168mm] to 47.5" [1207mm]
5ft	60.5" [1537mm]	60.0" [1524mm]	58.0" [1473mm] to 59.5" [1511mm]
6ft	72.5" [1842mm]	72.0" [1829mm]	70.0" [1718mm] to 71.5" [1816mm]
8ft	96.5" [2451mm]	96.0" [2438mm]	94.0" [2388mm] to 95.5" [2426mm]

Continuous Run (Mid-run)



Nominal	Housing	Lens Aperture	Mounting Points
2ft	24.0" [610mm]	24.0" [610mm]	22.0" [559mm] to 23.5" [597mm]
2.5ft	30.0" [762mm]	30.0" [762mm]	28.0" [711mm] to 29.5" [749mm]
3ft	36.0" [914mm]	36.0" [914mm]	34.0" [864mm] to 35.5" [902mm]
3.5ft	42.0" [1067mm]	42.0" [1067mm]	40.0" [1016mm] to 41.5" [1054mm]
4ft	48.0" [1219mm]	48.0" [1219mm]	46.0" [1168mm] to 47.5" [1207mm]
5ft	60.0" [1524mm]	60.0" [1524mm]	58.0" [1473mm] to 59.5" [1511mm]
6ft	72.0" [1829mm]	72.0" [1829mm]	70.0" [1718mm] to 71.5" [1816mm]
8ft	96.0" [2438mm]	96.0" [2438mm]	94.0" [2388mm] to 95.5" [2426mm]

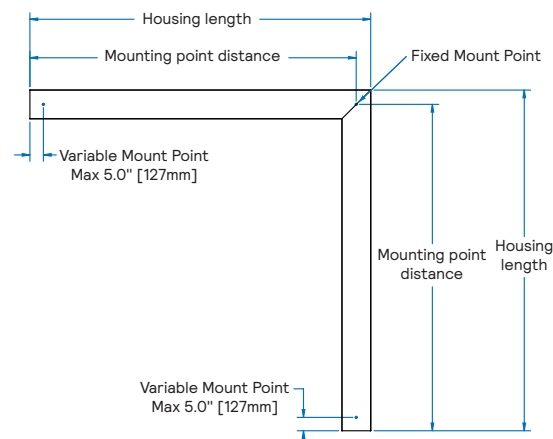
Continuous Run (End-run)



Nominal	Housing	Lens Aperture	Mounting Points
2ft	24.25" [616mm]	24.0" [610mm]	22.0" [559mm] to 23.5" [597mm]
2.5ft	30.25" [768mm]	30.0" [762mm]	28.0" [711mm] to 29.5" [749mm]
3ft	36.25" [921mm]	36.0" [914mm]	34.0" [864mm] to 35.5" [902mm]
3.5ft	42.25" [1073mm]	42.0" [1067mm]	40.0" [1016mm] to 41.5" [1054mm]
4ft	48.25" [1226mm]	48.0" [1219mm]	46.0" [1168mm] to 47.5" [1207mm]
5ft	60.25" [1530mm]	60.0" [1524mm]	58.0" [1473mm] to 59.5" [1511mm]
6ft	72.25" [1842mm]	72.0" [1829mm]	70.0" [1718mm] to 71.5" [1816mm]
8ft	96.25" [2445mm]	96.0" [2438mm]	94.0" [2388mm] to 95.5" [2426mm]

Top View

Flat Corner 90°



Nominal	Housing	Mounting Points
2ft x 2ft	25.1" [636mm]	23.0" [585mm]

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.

TruGroove suspended micro (louver)

Specifications

Optical System

Direct hemisphere: Light emitted from a linear array of downward-facing LEDs is laterally redirected using optical microstructures embedded in a layer of MesoOptics DX film to generate an optimal batwing distribution and a uniform continuum of light. The available Flush Silk lens is a value-oriented option that provides a lambertian distribution while maintaining a uniform continuum of light.

Additionally, Ledalite's unique Quad Optic Louver Cell provides 6 tailored optical distributions with reduced glare.

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 free-form 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 3.8/ft (suspended), 10lb (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.
PoE Lighting Controller (for PoE tunable white).
Lutron EcoSystem LDE1, 1% Dimming with Soft-On and Fade-to-Black. Class 2 rated output. Consult Ledalite for other available drivers.

2ch Tunable Drivers

Advance FlexTune Sensor Ready, 1% Dimming.
0-10V, 1% Dimming.
DALI-2 DT6 or DT8, 1% Dimming.
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.
PoE Battery Pack, 90 min, 6W, Class 2 rated output.
Lumen output = 6W x luminaire efficacy. Typical output ~650lm.

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:
 $CRI R_9 \geq 90, R_g \geq 50, G_9 \geq 97, C_g \geq 90$
IES TM-30-18: $R_f \geq 90, R_{f,hl} \geq 89, R_g \geq 99, R_{cs,hl} \geq -5\%$
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 qualifies. Please see the DLC QPL list for exact catalog numbers.
www.designlights.org/QPL

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

Luminaires that include Interact Pro controls options can help meet the requirements in 90.1-2022, IECC 2021, and CA T24 2022 for a maximum of 20min. time out for occupancy controls.

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 micro (louver)

Wireless Controls Options

Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (CS is 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

Interact Office Wired PoE (IO & SB):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.
- 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.
- Optional integral emergency controller and battery pack provides backup lighting in the case of a power outage. Test switch and indicator light mounted on the chassis.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of -20°C to 30°C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired visit:
www.interact-lighting.com/office

Note: Signify Interact Office Luminaires are not sold individually and are only compatible with Signify's Interact Office control system & software. The system requires a compatible back-end IT infrastructure for normal operations, please consult your Signify representative for additional information.

Tunable White:

- Tunable White is available in Interact Office Wired PoE luminaires. Other control options for Tunable White with DALI (DT6 or DT8), 0-10V, Lutron T Series 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.

Interact Pro scalable sensor option codes across Genlyte product lines

	Evokit	Day-Brite	Ledalite	Lightolier
Zigbee + Bluetooth + Sensing	SWZCS	SWZCS	CS	SBA accessory (external)
Zigbee + Bluetooth	RADIO	RADIO	RA	RA
Zigbee + Bluetooth + Sensing + Environmental data	IAOSB	IAOSB	SB	SB
Zigbee + Highbay + Sensing	-	SWZCSH	-	-

TruGroove suspended micro (louver)

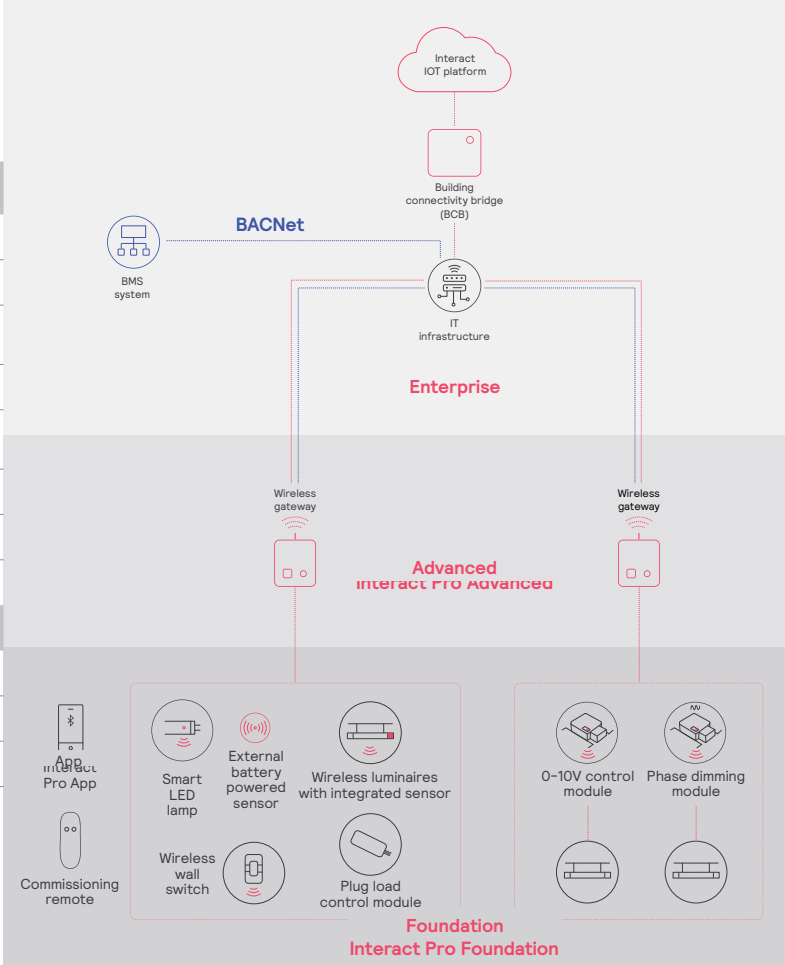
Functionalities overview

	Interact Pro scalable system		
	Foundation	Advanced	Enterprise
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



TruGroove suspended micro (louver)

Colorimetry

TruGroove micro (TMOx) 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_9	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.
3. Melanopic Daylight Efficacy Ratio (MDER) is the measure for "spectral melanopic efficiency" as defined in CIE S 026-2018.

Photometry

The following pages contain photometry for TruGroove suspended micro with Louvers.

Photometry for TruGroove suspended micro with Lens can be found by scanning the QR code or following the link:
https://www.signify.com/api/assets/v1/file/Signify/content/66423c256444e43aea1ad9e018a6f50/TruGroove_Suspended_Micro_Lens_SpecSheet_CST.pdf



TruGroove suspended micro (louver)

Photometry

Direct (TM01) Performance 61° Symmetric Batwing w/ MesoOptics louver

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
Direct	Indirect																										
4000	NA	34.8	3,775	108.5	19.3	PDF	IES	3,862	111.0	19.4	PDF	IES	4,008	115.2	19.5	PDF	IES	4,052	116.4	19.6	PDF	IES	4,095	117.7	19.6	PDF	IES
3500	NA	30.1	3,288	109.2	18.8	PDF	IES	3,359	111.6	18.9	PDF	IES	3,490	115.9	19.1	PDF	IES	3,528	117.2	19.1	PDF	IES	3,564	118.4	19.1	PDF	IES
3000	NA	26.0	2,833	109.0	18.3	PDF	IES	2,891	111.2	18.4	PDF	IES	3,006	115.6	18.5	PDF	IES	3,039	116.9	18.6	PDF	IES	3,068	118.0	18.6	PDF	IES
2500	NA	21.1	2,348	111.3	17.7	PDF	IES	2,395	113.5	17.7	PDF	IES	2,493	118.2	17.9	PDF	IES	2,518	119.3	17.9	PDF	IES	2,543	120.5	18.0	PDF	IES
2000	NA	17.2	1,877	109.1	16.9	PDF	IES	1,915	111.3	17.0	PDF	IES	1,994	115.9	17.1	PDF	IES	2,012	117.0	17.1	PDF	IES	2,032	118.1	17.2	PDF	IES
1500	NA	13.4	1,421	106.0	15.9	PDF	IES	1,451	108.3	16.0	PDF	IES	1,512	112.8	16.1	PDF	IES	1,523	113.7	16.2	PDF	IES	1,539	114.9	16.2	PDF	IES
1000	NA	9.7	939	96.8	14.5	PDF	IES	958	98.8	14.6	PDF	IES	1,000	103.1	14.7	PDF	IES	1,006	103.7	14.7	PDF	IES	1,017	104.8	14.8	PDF	IES

Direct (TM01) Performance 63° Stack Beam w/ MesoOptics louver

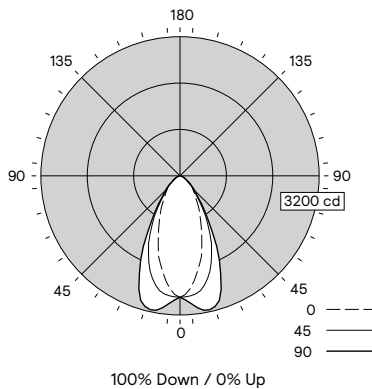
Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (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
Direct	Indirect																										
4000	NA	32.4	3,770	116.4	18.1	PDF	IES	3,853	118.9	18.2	PDF	IES	4,001	123.5	18.3	PDF	IES	4,046	124.9	18.4	PDF	IES	4,087	126.1	18.4	PDF	IES
3500	NA	28.2	3,289	116.6	17.6	PDF	IES	3,358	119.1	17.7	PDF	IES	3,490	123.8	17.8	PDF	IES	3,529	125.1	17.9	PDF	IES	3,563	126.3	17.9	PDF	IES
3000	NA	24.4	2,821	115.6	17.2	PDF	IES	2,879	118.0	17.2	PDF	IES	2,995	122.7	17.3	PDF	IES	3,026	124.0	17.3	PDF	IES	3,056	125.2	17.4	PDF	IES
2500	NA	19.9	2,346	117.9	16.5	PDF	IES	2,394	120.3	16.5	PDF	IES	2,491	125.2	16.7	PDF	IES	2,516	126.4	16.8	PDF	IES	2,541	127.7	16.7	PDF	IES
2000	NA	16.3	1,887	115.8	15.7	PDF	IES	1,926	118.2	15.9	PDF	IES	2,006	123.1	15.9	PDF	IES	2,023	124.1	15.9	PDF	IES	2,044	125.4	16.0	PDF	IES
1500	NA	12.6	1,400	111.1	14.7	PDF	IES	1,429	113.4	14.7	PDF	IES	1,489	118.2	14.9	PDF	IES	1,500	119.0	14.9	PDF	IES	1,516	120.3	14.9	PDF	IES
1000	NA	9.2	932	101.3	13.3	PDF	IES	950	103.3	13.3	PDF	IES	992	107.8	13.5	PDF	IES	997	108.4	13.5	PDF	IES	1,009	109.7	13.6	PDF	IES

Direct (TM01) Performance 20° Asymmetric Wall Wash w/ MesoOptics louver

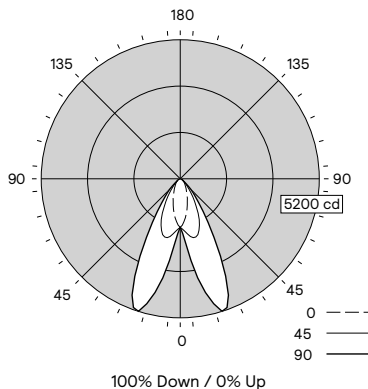
Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (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
Direct	Indirect																										
4000	NA	30.9	3,731	120.7	18.1	PDF	IES	3,812	123.4	18.2	PDF	IES	3,960	128.2	18.3	PDF	IES	4,004	129.6	18.3	PDF	IES	4,044	130.9	18.4	PDF	IES
3500	NA	27.0	3,251	120.4	17.6	PDF	IES	3,319	122.9	17.7	PDF	IES	3,451	127.8	17.8	PDF	IES	3,488	129.2	17.8	PDF	IES	3,522	130.4	17.9	PDF	IES
3000	NA	23.3	2,787	119.6	17.1	PDF	IES	2,843	122.0	17.1	PDF	IES	2,958	127.0	17.3	PDF	IES	2,989	128.3	17.3	PDF	IES	3,018	129.5	17.3	PDF	IES
2500	NA	19.1	2,339	122.5	16.5	PDF	IES	2,387	125.0	16.5	PDF	IES	2,485	130.1	16.7	PDF	IES	2,509	131.4	16.7	PDF	IES	2,533	132.6	16.7	PDF	IES
2000	NA	15.6	1,862	119.4	15.7	PDF	IES	1,901	121.9	15.7	PDF	IES	1,979	126.9	15.9	PDF	IES	1,996	127.9	15.9	PDF	IES	2,017	129.3	15.9	PDF	IES
1500	NA	12.2	1,404	115.1	14.7	PDF	IES	1,433	117.5	14.8	PDF	IES	1,494	122.5	14.9	PDF	IES	1,505	123.4	14.9	PDF	IES	1,521	124.7	15.0	PDF	IES
1000	NA	8.8	918	104.3	13.2	PDF	IES	936	106.4	13.3	PDF	IES	978	111.1	13.4	PDF	IES	983	111.7	13.4	PDF	IES	994	113.0	13.5	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 4Hx8HxH and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.
3. Photometry in tables above is based on white louvers. Photometry data for other color louvers is available for download on our website.
4. Photometry is for full louver configuration. For lens/louver combination, please scale separate IES files for lens and louver sections.

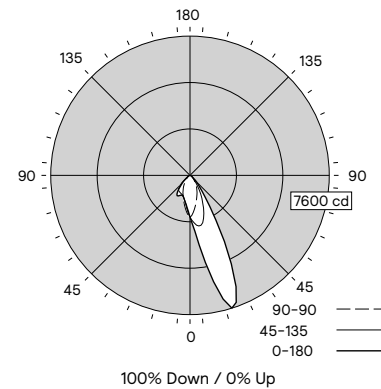
Performance 61° Symmetric Batwing MesoOptics louver
Spacing Criteria: 0.65/1.00



Performance 63° Symmetric Stack Beam MesoOptics louver
Spacing Criteria: 0.54/1.37



Performance 20° Asymmetric Wall Wash MesoOptics louver
Spacing Criteria: 1.29/0.59



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

TruGroove suspended micro (louver)

Photometry

Direct (TM01) Performance 48° Medium Beam w/ MesoOptics louver

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
Direct	Indirect																										
4000	NA	30.9	3,828	123.9	15.7	PDF	IES	3,911	126.6	15.7	PDF	IES	4,063	131.5	15.9	PDF	IES	4,108	132.9	15.9	PDF	IES	4,150	134.3	16.0	PDF	IES
3500	NA	27.0	3,336	123.6	15.2	PDF	IES	3,405	126.1	15.3	PDF	IES	3,541	131.1	15.4	PDF	IES	3,579	132.6	15.4	PDF	IES	3,614	133.9	15.5	PDF	IES
3000	NA	23.3	2,860	122.7	14.7	PDF	IES	2,918	125.2	14.7	PDF	IES	3,036	130.3	14.9	PDF	IES	3,067	131.6	14.9	PDF	IES	3,097	132.9	14.9	PDF	IES
2500	NA	19.1	2,400	125.7	14.1	PDF	IES	2,449	128.2	14.1	PDF	IES	2,549	133.5	14.3	PDF	IES	2,574	134.8	14.3	PDF	IES	2,599	136.1	14.3	PDF	IES
2000	NA	15.6	1,911	122.5	13.3	PDF	IES	1,950	125.0	13.3	PDF	IES	2,031	130.2	13.5	PDF	IES	2,048	131.3	13.5	PDF	IES	2,069	132.6	13.5	PDF	IES
1500	NA	12.2	1,441	118.1	12.3	PDF	IES	1,471	120.6	12.4	PDF	IES	1,533	125.7	12.5	PDF	IES	1,544	126.6	12.5	PDF	IES	1,560	127.9	12.6	PDF	IES
1000	NA	8.8	942	107.0	10.8	PDF	IES	960	109.1	10.9	PDF	IES	1,003	114.0	11.0	PDF	IES	1,008	114.5	11.0	PDF	IES	1,020	115.9	11.1	PDF	IES

Direct (TM01) Performance 27° Narrow Beam w/ MesoOptic louver

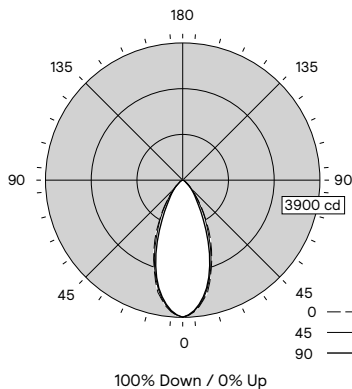
Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (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
Direct	Indirect																										
4000	NA	30.9	3,763	121.8	10.9	PDF	IES	3,844	124.4	11.0	PDF	IES	3,993	129.2	11.2	PDF	IES	4,038	130.7	11.2	PDF	IES	4,079	132.0	11.2	PDF	IES
3500	NA	27.0	3,279	121.4	10.5	PDF	IES	3,347	124.0	10.5	PDF	IES	3,480	128.9	10.7	PDF	IES	3,518	130.3	10.7	PDF	IES	3,552	131.6	10.7	PDF	IES
3000	NA	23.3	2,811	120.6	9.9	PDF	IES	2,868	123.1	10.0	PDF	IES	2,984	128.1	10.1	PDF	IES	3,015	129.4	10.2	PDF	IES	3,044	130.6	10.2	PDF	IES
2500	NA	19.1	2,359	123.5	9.3	PDF	IES	2,407	126.0	9.4	PDF	IES	2,506	131.2	9.5	PDF	IES	2,530	132.5	9.6	PDF	IES	2,555	133.8	9.6	PDF	IES
2000	NA	15.6	1,878	120.4	8.5	PDF	IES	1,917	122.9	8.6	PDF	IES	1,996	127.9	8.7	PDF	IES	2,013	129.0	8.8	PDF	IES	2,034	130.4	8.8	PDF	IES
1500	NA	12.2	1,416	116.1	7.6	PDF	IES	1,446	118.5	7.6	PDF	IES	1,507	123.5	7.8	PDF	IES	1,517	124.3	7.8	PDF	IES	1,534	125.7	7.8	PDF	IES
1000	NA	8.8	926	105.2	6.1	PDF	IES	944	107.3	6.1	PDF	IES	986	112.0	6.3	PDF	IES	991	112.6	6.3	PDF	IES	1,002	113.9	6.4	PDF	IES

Direct (TM01) Performance 17° Graze Beam w/ MesoOptic louver

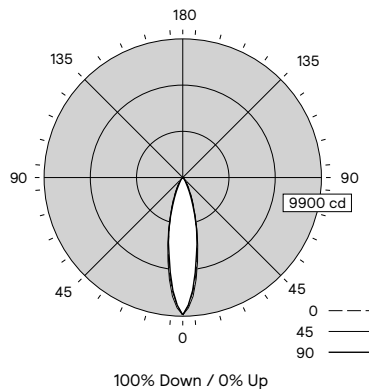
Nominal CRI & CCT			CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)		Watts	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (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
Direct	Indirect																										
4000	NA	30.9	3,773	122.1	12.7	PDF	IES	3,855	124.8	12.7	PDF	IES	4,004	129.6	12.9	PDF	IES	4,049	131.0	12.9	PDF	IES	4,090	132.4	12.9	PDF	IES
3500	NA	27.0	3,288	121.8	12.2	PDF	IES	3,356	124.3	12.3	PDF	IES	3,490	129.3	12.4	PDF	IES	3,527	130.6	12.4	PDF	IES	3,562	131.9	12.5	PDF	IES
3000	NA	23.3	2,818	120.9	11.6	PDF	IES	2,876	123.4	11.7	PDF	IES	2,992	128.4	11.9	PDF	IES	3,023	129.7	11.9	PDF	IES	3,052	131.0	11.9	PDF	IES
2500	NA	19.1	2,366	123.9	11.0	PDF	IES	2,414	126.4	11.1	PDF	IES	2,513	131.6	11.3	PDF	IES	2,537	132.8	11.3	PDF	IES	2,562	134.1	11.3	PDF	IES
2000	NA	15.6	1,883	120.7	10.2	PDF	IES	1,922	123.2	10.3	PDF	IES	2,002	128.3	10.5	PDF	IES	2,019	129.4	10.5	PDF	IES	2,040	130.8	10.5	PDF	IES
1500	NA	12.2	1,420	116.4	9.3	PDF	IES	1,450	118.9	9.3	PDF	IES	1,511	123.9	9.5	PDF	IES	1,522	124.8	9.5	PDF	IES	1,538	126.1	9.5	PDF	IES
1000	NA	8.8	928	105.5	7.8	PDF	IES	946	107.5	7.9	PDF	IES	989	112.4	8.0	PDF	IES	994	113.0	8.0	PDF	IES	1,005	114.2	8.1	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.
3. Photometry in tables above is based on white louvers. Photometry data for other color louvers is available for download on our website.
4. Photometry is for full louver configuration. For lens/louver combination, please scale separate IES files for lens and louver sections.

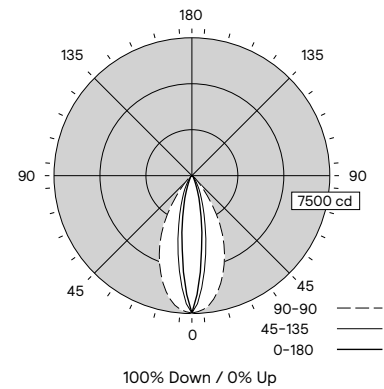
Performance Symmetric 48° Medium Beam MesoOptics louver
Spacing Criteria: 0.75/0.70



Performance 27° Narrow Beam MesoOptics louver
Spacing Criteria: 0.41/0.40



Performance 17° Graze Beam MesoOptics louver
Spacing Criteria: 0.28/0.82



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

TruGroove suspended micro (louver)

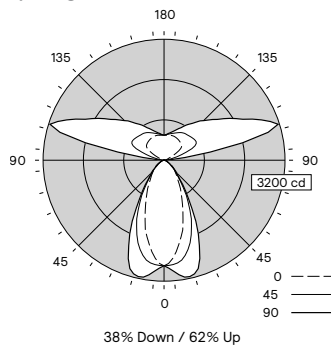
Photometry

Direct/Indirect (TM05 & TM06) Performance 61° Symmetric Batwing w/ MesoOptics louver

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
Direct	Indirect																										
4000	7000	90.4	10,307	114.0	13.6	PDF	IES	10,578	117.0	13.7	PDF	IES	11,012	121.8	13.7	PDF	IES	11,141	123.2	13.8	PDF	IES	11,338	125.4	13.8	PDF	IES
	6000	80.6	9,381	116.4	14.0	PDF	IES	9,628	119.5	14.1	PDF	IES	10,005	124.1	14.2	PDF	IES	10,131	125.7	14.3	PDF	IES	10,308	127.9	14.3	PDF	IES
	5000	72.5	8,468	116.8	14.5	PDF	IES	8,687	119.8	14.5	PDF	IES	9,012	124.3	14.6	PDF	IES	9,132	126.0	14.7	PDF	IES	9,290	128.1	14.8	PDF	IES
	4000	64.1	7,529	117.5	15.0	PDF	IES	7,721	120.5	15.1	PDF	IES	8,000	124.8	15.2	PDF	IES	8,109	126.5	15.3	PDF	IES	8,245	128.6	15.3	PDF	IES
	3000	56.9	6,592	115.9	15.8	PDF	IES	6,761	118.8	15.8	PDF	IES	6,999	123.0	16.0	PDF	IES	7,096	124.7	16.0	PDF	IES	7,205	126.6	16.0	PDF	IES
	2000	49.3	5,669	115.0	16.5	PDF	IES	5,815	118.0	16.6	PDF	IES	6,018	122.1	16.7	PDF	IES	6,101	123.8	16.8	PDF	IES	6,184	125.4	16.8	PDF	IES
3500	7000	85.7	9,820	114.6	17.7	PDF	IES	10,075	117.6	17.8	PDF	IES	10,494	122.5	12.9	PDF	IES	10,617	123.9	12.9	PDF	IES	10,807	126.1	13.0	PDF	IES
	6000	75.9	8,894	117.2	13.2	PDF	IES	9,125	120.2	13.2	PDF	IES	9,487	125.0	13.3	PDF	IES	9,607	126.6	13.4	PDF	IES	9,777	128.8	13.4	PDF	IES
	5000	67.7	7,981	117.9	13.6	PDF	IES	8,184	120.9	13.7	PDF	IES	8,494	125.5	13.8	PDF	IES	8,608	127.1	13.9	PDF	IES	8,759	129.4	13.8	PDF	IES
	4000	59.5	7,042	118.4	14.3	PDF	IES	7,218	121.3	14.3	PDF	IES	7,482	125.7	14.5	PDF	IES	7,585	127.5	14.4	PDF	IES	7,714	129.6	14.5	PDF	IES
	3000	52.3	6,105	116.7	15.0	PDF	IES	6,258	119.7	15.0	PDF	IES	6,481	123.9	15.2	PDF	IES	6,572	125.7	15.1	PDF	IES	6,674	127.6	15.2	PDF	IES
	2000	44.8	5,183	115.7	15.8	PDF	IES	5,313	118.6	15.8	PDF	IES	5,500	122.8	16.0	PDF	IES	5,577	124.5	16.1	PDF	IES	5,652	126.2	16.0	PDF	IES
3000	7000	81.5	9,365	114.9	11.8	PDF	IES	9,608	117.9	11.9	PDF	IES	10,011	122.8	11.9	PDF	IES	10,127	124.3	12.0	PDF	IES	10,312	126.5	12.0	PDF	IES
	6000	71.7	8,439	117.7	12.2	PDF	IES	8,657	120.7	12.3	PDF	IES	9,004	125.6	12.4	PDF	IES	9,118	127.2	12.5	PDF	IES	9,281	129.4	12.4	PDF	IES
	5000	63.5	7,526	118.5	12.7	PDF	IES	7,716	121.5	12.8	PDF	IES	8,011	126.2	12.9	PDF	IES	8,118	127.8	13.0	PDF	IES	8,264	130.1	12.9	PDF	IES
	4000	55.4	6,587	118.9	13.4	PDF	IES	6,751	121.9	13.3	PDF	IES	6,999	126.3	13.6	PDF	IES	7,095	128.1	13.5	PDF	IES	7,218	130.3	13.6	PDF	IES
	3000	48.2	5,650	117.2	14.0	PDF	IES	5,790	120.1	14.1	PDF	IES	5,998	124.4	14.2	PDF	IES	6,082	126.2	14.3	PDF	IES	6,179	128.2	14.3	PDF	IES
	2000	40.7	4,727	116.1	15.0	PDF	IES	4,845	119.0	15.0	PDF	IES	5,017	123.3	15.2	PDF	IES	5,087	125.0	15.3	PDF	IES	5,157	126.7	15.2	PDF	IES
2500	7000	76.6	8,880	115.9	10.6	PDF	IES	9,112	119.0	10.6	PDF	IES	9,497	124.0	10.7	PDF	IES	9,607	125.4	10.8	PDF	IES	9,786	127.8	10.7	PDF	IES
	6000	66.8	7,954	119.1	11.0	PDF	IES	8,162	122.2	11.1	PDF	IES	8,490	127.1	11.2	PDF	IES	8,597	128.7	11.2	PDF	IES	8,756	131.1	11.2	PDF	IES
	5000	58.6	7,041	120.2	11.6	PDF	IES	7,221	123.2	11.6	PDF	IES	7,498	128.0	11.7	PDF	IES	7,597	129.6	11.8	PDF	IES	7,738	132.0	11.8	PDF	IES
	4000	50.3	6,102	121.3	12.2	PDF	IES	6,255	124.4	12.2	PDF	IES	6,485	128.9	12.4	PDF	IES	6,575	130.7	12.3	PDF	IES	6,692	133.0	12.4	PDF	IES
	3000	43.1	5,165	119.8	12.9	PDF	IES	5,295	122.9	13.0	PDF	IES	5,484	127.2	13.1	PDF	IES	5,561	129.0	13.2	PDF	IES	5,653	131.2	13.1	PDF	IES
	2000	35.8	4,243	118.5	13.9	PDF	IES	4,349	121.5	13.9	PDF	IES	4,504	125.8	14.1	PDF	IES	4,567	127.6	14.1	PDF	IES	4,631	129.4	14.1	PDF	IES
2000	7000	72.6	8,409	115.8	9.1	PDF	IES	8,632	118.9	9.2	PDF	IES	8,998	123.9	9.2	PDF	IES	9,101	125.4	9.3	PDF	IES	9,276	127.8	9.3	PDF	IES
	6000	62.8	7,483	119.2	9.6	PDF	IES	7,682	122.3	9.6	PDF	IES	7,991	127.2	9.7	PDF	IES	8,091	128.8	9.8	PDF	IES	8,245	131.3	9.7	PDF	IES
	5000	54.7	6,570	120.1	10.1	PDF	IES	6,740	123.2	10.1	PDF	IES	6,999	128.0	10.3	PDF	IES	7,092	129.7	10.3	PDF	IES	7,227	132.1	10.3	PDF	IES
	4000	46.5	5,631	121.1	10.8	PDF	IES	5,775	124.2	10.8	PDF	IES	5,986	128.7	10.9	PDF	IES	6,069	130.5	11.0	PDF	IES	6,182	132.9	11.0	PDF	IES
	3000	39.3	4,694	119.4	11.6	PDF	IES	4,814	122.5	11.7	PDF	IES	4,986	126.9	11.8	PDF	IES	5,055	128.6	11.8	PDF	IES	5,143	130.9	11.8	PDF	IES
	2000	31.9	3,771	118.2	12.6	PDF	IES	3,869	121.3	12.6	PDF	IES	4,005	125.5	12.8	PDF	IES	4,061	127.3	12.8	PDF	IES	4,121	129.2	12.8	PDF	IES
1500	7000	68.8	7,953	115.6	7.3	PDF	IES	8,168	118.7	7.3	PDF	IES	8,516	123.8	7.4	PDF	IES	8,612	125.2	7.5	PDF	IES	8,783	127.7	7.6	PDF	IES
	6000	59.0	7,027	119.1	7.8	PDF	IES	7,217	122.3	7.8	PDF	IES	7,509	127.3	7.9	PDF	IES	7,602	128.8	8.0	PDF	IES	7,752	131.4	7.9	PDF	IES
	5000	50.8	6,114	120.4	8.3	PDF	IES	6,276	123.5	8.4	PDF	IES	6,516	128.3	8.5	PDF	IES	6,603	130.0	8.5	PDF	IES	6,734	132.6	8.5	PDF	IES
	4000	42.8	5,175	120.9	9.0	PDF	IES	5,310	124.1	9.0	PDF	IES	5,504	128.6	9.2	PDF	IES	5,580	130.4	9.2	PDF	IES	5,689	132.9	9.2	PDF	IES
	3000	35.6	4,238	119.0	9.8	PDF	IES	4,350	122.2	9.9	PDF	IES	4,503	126.5	10.0	PDF	IES	4,566	128.3	10.1	PDF	IES	4,650	130.6	10.0	PDF	IES
	2000	28.2	3,316	117.6	11.0	PDF	IES	3,405	120.7	11.0	PDF	IES	3,522	124.9	11.2	PDF	IES	3,572	126.7	11.1	PDF	IES	3,628	128.7	11.2	PDF	IES
1000	7000	64.9	7,471	115.1	7.0	PDF	IES	7,675	118.3	7.1	PDF	IES	8,004	123.3	7.2	PDF	IES	8,094	124.7	7.3	PDF	IES	8,261	127.3	7.3	PDF	IES
	6000	55.1	6,545	118.8	6.5	PDF	IES	6,725	122.1	6.6	PDF	IES	6,997	127.0	6.8	PDF	IES	7,085	128.6	6.8	PDF	IES	7,230	131.2	6.9	PDF	IES
	5000	47.0	5,632	119.8	6.0	PDF	IES	5,784	123.1	6.1	PDF	IES	6,005	127.8	6.2	PDF	IES	6,085	129.5	6.3	PDF	IES	6,212	132.2	6.4	PDF	IES
	4000	39.1	4,693	120.0	6.3	PDF	IES	4,818	123.2	6.3	PDF	IES	4,992	127.7	6.5	PDF	IES	5,062	129.5	6.4	PDF	IES	5,167	132.1	6.5	PDF	IES
	3000	31.9	3,757	117.8	7.2	PDF	IES	3,858	120.9	7.2	PDF	IES	3,992	125.1	7.4	PDF	IES	4,049	126.9	7.4	PDF	IES	4,127	129.4	7.3	PDF	IES
	2000	24.4	2,834	116.1	8.3	PDF	IES	2,912	119.3	8.4	PDF	IES	3,011	123.4	8.5	PDF	IES	3,054	125.2	8.6	PDF	IES	3,106	127.3	8.5	PDF	IES
1000	18.1	1,890	104.4	10.2	PDF	IES	1,939	107.1	10.2	PDF	IES	2,005	110.8	10.4	PDF	IES	2,034	112.4	10.4	PDF	IES	2,062	113.9	10.4	PDF	IES	

- 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.
- Unified Glare Ratio (UGR) is calculated in accordance with CIE 117-1995. Reference conditions of 4xHxHx1H and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.
- Photometry in tables above is based on white louvers. Photometry data for other color louvers is available for download on our website.
- Photometry is for full louver configuration. For lens/louver combination, please scale separate IES files for lens and louver sections.

Performance 61° Symmetric Batwing MesoOptics louver Spacing Criteria: 0.65/1.00



TruGroove suspended micro (louver)

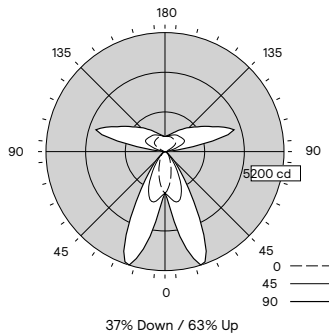
Photometry

Direct/Indirect (TM05 & TM06) Performance 63° Stack Beam w/ MesoOptics louver

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
Direct	Indirect																										
4000	7000	88.0	10,302	117.1	12.4	PDF	IES	10,570	120.1	12.5	PDF	IES	11,006	125.1	12.5	PDF	IES	11,134	126.5	12.6	PDF	IES	11,331	128.8	12.6	PDF	IES
	6000	78.2	9,376	119.9	12.8	PDF	IES	9,620	123.0	12.9	PDF	IES	9,999	127.9	13.0	PDF	IES	10,125	129.5	13.0	PDF	IES	10,300	131.7	13.0	PDF	IES
	5000	70.1	8,463	120.7	13.3	PDF	IES	8,679	123.8	13.3	PDF	IES	9,006	128.5	13.4	PDF	IES	9,125	130.2	13.5	PDF	IES	9,282	132.4	13.5	PDF	IES
	4000	61.7	7,524	121.9	13.8	PDF	IES	7,713	125.0	13.9	PDF	IES	7,994	129.6	14.0	PDF	IES	8,103	131.3	14.1	PDF	IES	8,237	133.5	14.1	PDF	IES
	3000	54.6	6,587	120.6	14.6	PDF	IES	6,753	123.7	14.6	PDF	IES	6,993	128.1	14.8	PDF	IES	7,089	129.8	14.8	PDF	IES	7,198	131.8	14.8	PDF	IES
	2000	47.0	5,664	120.5	15.3	PDF	IES	5,807	123.6	15.4	PDF	IES	6,012	127.9	15.5	PDF	IES	6,095	129.7	15.6	PDF	IES	6,176	131.4	15.6	PDF	IES
3500	7000	83.7	9,821	117.3	11.5	PDF	IES	10,075	118.4	11.6	PDF	IES	10,495	125.4	11.7	PDF	IES	10,617	126.8	11.7	PDF	IES	10,807	129.1	11.8	PDF	IES
	6000	73.9	8,895	120.4	12.0	PDF	IES	9,124	123.5	12.0	PDF	IES	9,487	128.4	12.1	PDF	IES	9,607	130.0	12.2	PDF	IES	9,776	132.3	12.2	PDF	IES
	5000	65.8	7,982	121.3	12.4	PDF	IES	8,183	124.4	12.5	PDF	IES	8,495	129.1	12.6	PDF	IES	8,608	130.8	12.7	PDF	IES	8,759	133.1	12.6	PDF	IES
	4000	57.6	7,043	122.3	13.1	PDF	IES	7,218	125.3	13.1	PDF	IES	7,483	129.9	13.3	PDF	IES	7,585	131.7	13.2	PDF	IES	7,713	133.9	13.3	PDF	IES
	3000	50.4	6,106	121.2	13.8	PDF	IES	6,257	124.1	13.8	PDF	IES	6,482	128.6	14.0	PDF	IES	6,572	130.4	14.0	PDF	IES	6,674	132.4	14.0	PDF	IES
	2000	42.9	5,183	120.8	14.6	PDF	IES	5,312	123.8	14.7	PDF	IES	5,501	128.2	14.8	PDF	IES	5,577	130.0	14.9	PDF	IES	5,652	131.7	14.8	PDF	IES
3000	7000	36.7	4,239	115.5	15.8	PDF	IES	4,339	118.2	15.9	PDF	IES	4,495	122.5	16.0	PDF	IES	4,557	124.2	16.1	PDF	IES	4,608	125.6	16.1	PDF	IES
	6000	79.8	9,353	117.2	10.6	PDF	IES	9,595	120.2	10.7	PDF	IES	9,999	125.3	10.7	PDF	IES	10,115	126.8	10.7	PDF	IES	10,299	129.1	10.8	PDF	IES
	5000	70.0	8,427	120.4	11.0	PDF	IES	8,645	123.5	11.1	PDF	IES	8,992	128.5	11.2	PDF	IES	9,105	130.1	11.2	PDF	IES	9,269	132.4	11.2	PDF	IES
	4000	61.8	7,514	121.6	11.5	PDF	IES	7,704	124.7	11.6	PDF	IES	7,999	129.4	11.7	PDF	IES	8,106	131.2	11.7	PDF	IES	8,251	133.5	11.7	PDF	IES
	3000	53.8	6,575	122.2	12.1	PDF	IES	6,738	125.2	12.1	PDF	IES	6,987	129.9	12.4	PDF	IES	7,083	131.7	12.3	PDF	IES	7,205	133.9	12.4	PDF	IES
	2000	46.6	5,639	121.0	12.8	PDF	IES	5,778	124.0	12.9	PDF	IES	5,986	128.5	13.0	PDF	IES	6,069	130.2	13.1	PDF	IES	6,166	132.3	13.1	PDF	IES
2500	7000	39.1	4,716	120.6	13.8	PDF	IES	4,833	123.6	13.9	PDF	IES	5,005	128.0	14.0	PDF	IES	5,075	129.8	14.0	PDF	IES	5,144	131.6	14.0	PDF	IES
	6000	75.4	8,878	117.7	9.4	PDF	IES	9,110	120.8	9.4	PDF	IES	9,496	125.9	9.5	PDF	IES	9,604	127.4	9.6	PDF	IES	9,784	129.8	9.5	PDF	IES
	5000	65.6	7,952	121.2	9.8	PDF	IES	8,160	124.4	9.9	PDF	IES	8,489	129.4	10.0	PDF	IES	8,595	131.0	10.1	PDF	IES	8,754	133.4	10.0	PDF	IES
	4000	57.4	7,039	122.6	10.4	PDF	IES	7,219	125.8	10.4	PDF	IES	7,496	130.6	10.5	PDF	IES	7,595	132.3	10.5	PDF	IES	7,736	134.8	10.5	PDF	IES
	3000	49.1	6,100	124.2	11.0	PDF	IES	6,253	127.4	11.0	PDF	IES	6,484	132.1	11.2	PDF	IES	6,573	133.9	11.1	PDF	IES	6,690	136.3	11.2	PDF	IES
	2000	41.9	5,163	123.2	11.7	PDF	IES	5,293	126.3	11.8	PDF	IES	5,483	130.9	11.9	PDF	IES	5,559	132.7	12.0	PDF	IES	5,651	134.9	12.0	PDF	IES
2000	7000	34.6	4,241	122.6	12.7	PDF	IES	4,347	125.6	12.8	PDF	IES	4,502	130.1	12.9	PDF	IES	4,565	131.9	13.0	PDF	IES	4,629	133.8	12.9	PDF	IES
	6000	28.2	3,297	116.9	14.1	PDF	IES	3,375	119.7	14.1	PDF	IES	3,497	124.0	14.3	PDF	IES	3,544	125.7	14.3	PDF	IES	3,585	127.1	14.3	PDF	IES
	5000	71.7	8,419	117.4	7.9	PDF	IES	8,643	120.5	8.0	PDF	IES	9,017	125.0	8.1	PDF	IES	9,112	127.1	8.2	PDF	IES	9,288	129.5	8.1	PDF	IES
	4000	61.9	7,493	121.1	8.4	PDF	IES	7,692	124.3	8.5	PDF	IES	8,003	129.3	8.6	PDF	IES	8,102	130.9	8.6	PDF	IES	8,257	133.4	8.6	PDF	IES
	3000	53.7	6,580	122.5	8.9	PDF	IES	6,751	125.7	8.9	PDF	IES	7,010	130.5	9.2	PDF	IES	7,103	132.3	9.1	PDF	IES	7,239	134.8	9.2	PDF	IES
	2000	45.6	5,641	123.7	9.6	PDF	IES	5,786	126.9	9.7	PDF	IES	5,998	131.5	9.8	PDF	IES	6,080	133.3	9.9	PDF	IES	6,194	135.8	9.8	PDF	IES
1500	7000	38.4	4,705	122.5	10.4	PDF	IES	4,825	125.7	10.5	PDF	IES	4,997	130.1	10.6	PDF	IES	5,067	132.0	10.6	PDF	IES	5,154	134.2	10.6	PDF	IES
	6000	31.0	3,782	122.0	11.4	PDF	IES	3,880	125.2	11.5	PDF	IES	4,016	129.5	11.6	PDF	IES	4,072	131.4	11.7	PDF	IES	4,133	133.3	11.6	PDF	IES
	5000	24.7	2,838	114.9	12.9	PDF	IES	2,907	117.7	13.0	PDF	IES	3,011	121.9	13.2	PDF	IES	3,052	123.6	13.2	PDF	IES	3,089	125.1	13.2	PDF	IES
	4000	27.3	3,295	120.7	9.6	PDF	IES	3,383	123.9	9.6	PDF	IES	3,500	128.2	9.9	PDF	IES	3,549	130.0	9.8	PDF	IES	3,605	132.1	9.9	PDF	IES
	3000	21.0	2,351	112.0	11.4	PDF	IES	2,410	114.8	11.4	PDF	IES	2,495	118.8	11.6	PDF	IES	2,529	120.4	11.5	PDF	IES	2,561	122.0	11.6	PDF	IES
	2000	17.6	1,882	106.9	8.9	PDF	IES	1,931	109.7	9.0	PDF	IES	1,997	113.5	9.2	PDF	IES	2,026	115.1	9.2	PDF	IES	2,054	116.7	9.2	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 4xHxHxH and reflectances of 70/50/20% have been applied using the procedure described in CIE 190-2010.
3. Photometry in tables above is based on white louvers. Photometry data for other color louvers is available for download on our website.
4. Photometry is for full louver configuration. For lens/louver combination, please scale separate IES files for lens and louver sections.

Performance 63° Stack Beam MesoOptics louver Spacing Criteria: 0.54/1.37



Candela plot shown is for 3000lm/4ft Direct / 5000lm/4ft Indirect, CRI 90, 3500K configuration.

TruGroove suspended micro (louver)

Photometry

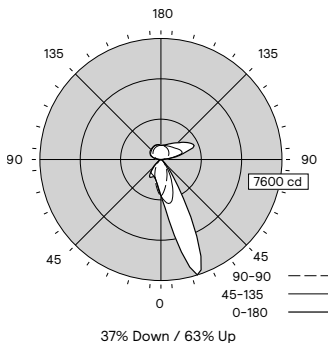
Direct/Indirect (TM05 & TM06) Performance 20° Asymmetric Wall Wash w/ MesoOptics louver

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
Direct	Indirect																										
4000	6000	88.1	9,333	105.9	12.8	PDF	IES	9,571	108.6	12.7	PDF	IES	9,968	113.1	12.9	PDF	IES	10,082	114.4	12.9	PDF	IES	10,256	116.4	13.0	PDF	IES
	5000	76.4	8,411	110.1	13.2	PDF	IES	8,626	112.9	13.3	PDF	IES	8,966	117.4	13.4	PDF	IES	9,079	118.8	13.5	PDF	IES	9,231	120.8	13.4	PDF	IES
	4000	66.5	7,484	112.5	13.8	PDF	IES	7,670	115.3	13.9	PDF	IES	7,959	119.7	14.0	PDF	IES	8,064	121.3	14.1	PDF	IES	8,197	123.3	14.0	PDF	IES
	3000	57.2	6,555	114.6	14.4	PDF	IES	6,716	117.4	14.5	PDF	IES	6,961	121.7	14.6	PDF	IES	7,054	123.3	14.7	PDF	IES	7,164	125.2	14.6	PDF	IES
	2000	48.0	5,618	117.0	15.3	PDF	IES	5,757	119.9	15.3	PDF	IES	5,963	124.2	15.5	PDF	IES	6,044	125.9	15.6	PDF	IES	6,126	127.6	15.5	PDF	IES
	1000	40.4	4,670	115.6	16.4	PDF	IES	4,782	118.4	16.4	PDF	IES	4,954	122.6	16.6	PDF	IES	5,020	124.3	16.6	PDF	IES	5,077	125.7	16.6	PDF	IES
3500	6000	84.1	8,853	105.3	11.9	PDF	IES	9,078	107.9	12.0	PDF	IES	9,459	112.5	12.0	PDF	IES	9,567	113.8	12.0	PDF	IES	9,735	115.8	12.1	PDF	IES
	5000	72.4	7,932	109.6	12.4	PDF	IES	8,133	112.3	12.4	PDF	IES	8,458	116.8	12.5	PDF	IES	8,563	118.3	12.6	PDF	IES	8,710	120.3	12.5	PDF	IES
	4000	62.5	7,004	112.1	13.0	PDF	IES	7,177	114.8	12.9	PDF	IES	7,450	119.2	13.2	PDF	IES	7,548	120.8	13.1	PDF	IES	7,676	122.8	13.2	PDF	IES
	3000	53.3	6,075	114.0	13.7	PDF	IES	6,223	116.8	13.7	PDF	IES	6,452	121.1	13.9	PDF	IES	6,539	122.7	13.8	PDF	IES	6,642	124.6	13.9	PDF	IES
	2000	44.1	5,139	116.5	14.5	PDF	IES	5,264	119.4	14.6	PDF	IES	5,454	123.7	14.7	PDF	IES	5,528	125.4	14.7	PDF	IES	5,604	127.1	14.8	PDF	IES
	1000	36.5	4,191	114.8	15.8	PDF	IES	4,289	117.5	15.8	PDF	IES	4,445	121.8	16.0	PDF	IES	4,505	123.4	15.9	PDF	IES	4,556	124.8	16.0	PDF	IES
3000	6000	80.3	8,389	104.5	10.9	PDF	IES	8,602	107.1	11.0	PDF	IES	8,967	111.7	11.1	PDF	IES	9,068	112.9	11.1	PDF	IES	9,231	115.0	11.1	PDF	IES
	5000	68.6	7,468	108.9	11.4	PDF	IES	7,658	111.6	11.5	PDF	IES	7,965	116.1	11.6	PDF	IES	8,064	117.6	11.7	PDF	IES	8,206	119.6	11.6	PDF	IES
	4000	58.8	6,540	111.2	12.0	PDF	IES	6,702	114.0	12.0	PDF	IES	6,958	118.3	12.2	PDF	IES	7,049	119.9	12.2	PDF	IES	7,171	122.0	12.2	PDF	IES
	3000	49.7	5,611	112.9	12.8	PDF	IES	5,748	115.7	12.8	PDF	IES	5,959	119.9	13.0	PDF	IES	6,040	121.5	13.0	PDF	IES	6,138	123.5	13.0	PDF	IES
	2000	40.5	4,675	115.4	13.7	PDF	IES	4,788	118.2	13.7	PDF	IES	4,962	122.5	13.9	PDF	IES	5,029	124.2	13.9	PDF	IES	5,100	125.9	13.9	PDF	IES
	1000	32.9	3,726	113.3	15.0	PDF	IES	3,813	115.9	15.1	PDF	IES	3,953	120.2	15.2	PDF	IES	4,006	121.8	15.2	PDF	IES	4,052	123.2	15.2	PDF	IES
2500	6000	76.3	7,942	104.1	9.8	PDF	IES	8,146	106.8	9.8	PDF	IES	8,493	111.3	9.9	PDF	IES	8,587	112.5	10.0	PDF	IES	8,746	114.6	9.9	PDF	IES
	5000	64.6	7,020	108.7	10.3	PDF	IES	7,201	111.5	10.4	PDF	IES	7,491	116.0	10.5	PDF	IES	7,584	117.4	10.5	PDF	IES	7,721	119.5	10.5	PDF	IES
	4000	54.7	6,092	111.4	10.9	PDF	IES	6,245	114.2	11.0	PDF	IES	6,484	118.5	11.1	PDF	IES	6,569	120.1	11.1	PDF	IES	6,686	122.2	11.1	PDF	IES
	3000	45.4	5,163	113.7	11.7	PDF	IES	5,291	116.5	11.7	PDF	IES	5,486	120.8	11.9	PDF	IES	5,559	122.4	11.9	PDF	IES	5,653	124.5	11.9	PDF	IES
	2000	36.4	4,227	116.1	12.7	PDF	IES	4,332	119.0	12.7	PDF	IES	4,488	123.3	12.9	PDF	IES	4,549	125.0	12.9	PDF	IES	4,615	126.8	12.9	PDF	IES
	1000	28.7	3,279	114.3	14.0	PDF	IES	3,357	117.0	14.1	PDF	IES	3,479	121.2	14.3	PDF	IES	3,525	122.8	14.3	PDF	IES	3,567	124.3	14.3	PDF	IES
2000	6000	72.7	7,464	102.7	8.3	PDF	IES	7,660	105.4	8.4	PDF	IES	7,988	109.9	8.5	PDF	IES	8,075	111.1	8.6	PDF	IES	8,229	113.2	8.5	PDF	IES
	5000	61.0	6,543	107.3	8.8	PDF	IES	6,715	110.1	8.9	PDF	IES	6,986	114.5	9.1	PDF	IES	7,072	115.9	9.0	PDF	IES	7,204	118.1	9.1	PDF	IES
	4000	51.0	5,615	110.1	9.5	PDF	IES	5,759	112.9	9.6	PDF	IES	5,979	117.2	9.7	PDF	IES	6,057	118.8	9.7	PDF	IES	6,170	121.0	9.7	PDF	IES
	3000	41.9	4,686	111.8	10.3	PDF	IES	4,805	114.7	10.4	PDF	IES	4,980	118.9	10.5	PDF	IES	5,047	120.5	10.5	PDF	IES	5,137	122.6	10.5	PDF	IES
	2000	32.8	3,750	114.3	11.4	PDF	IES	3,845	117.2	11.4	PDF	IES	3,983	121.4	11.6	PDF	IES	4,036	123.0	11.5	PDF	IES	4,099	125.0	11.6	PDF	IES
	1000	25.1	2,802	111.6	12.9	PDF	IES	2,870	114.3	12.9	PDF	IES	2,974	118.5	13.1	PDF	IES	3,013	120.0	13.1	PDF	IES	3,050	121.5	13.1	PDF	IES
1500	6000	69.2	7,006	101.2	6.8	PDF	IES	7,192	103.9	6.9	PDF	IES	7,502	108.4	7.0	PDF	IES	7,583	109.6	7.0	PDF	IES	7,733	111.7	7.1	PDF	IES
	5000	57.5	6,085	105.8	7.0	PDF	IES	6,248	108.7	7.1	PDF	IES	6,501	113.1	7.2	PDF	IES	6,580	114.4	7.2	PDF	IES	6,708	116.7	7.2	PDF	IES
	4000	47.7	5,157	108.1	7.7	PDF	IES	5,292	110.9	7.7	PDF	IES	5,493	115.2	7.9	PDF	IES	5,565	116.7	7.9	PDF	IES	5,674	119.0	7.9	PDF	IES
	3000	38.6	4,228	109.5	8.5	PDF	IES	4,338	112.4	8.6	PDF	IES	4,495	116.5	8.7	PDF	IES	4,555	118.0	8.8	PDF	IES	4,641	120.2	8.7	PDF	IES
	2000	29.5	3,292	111.6	9.6	PDF	IES	3,378	114.5	9.6	PDF	IES	3,498	118.6	9.9	PDF	IES	3,545	120.2	9.8	PDF	IES	3,603	122.1	9.9	PDF	IES
	1000	21.7	2,343	108.0	11.4	PDF	IES	2,403	110.7	11.3	PDF	IES	2,489	114.7	11.6	PDF	IES	2,521	116.2	11.5	PDF	IES	2,554	117.7	11.6	PDF	IES
1000	6000	65.7	6,520	99.2	6.5	PDF	IES	6,695	101.9	6.6	PDF	IES	6,986	106.3	6.8	PDF	IES	7,061	107.5	6.8	PDF	IES	7,206	109.7	6.9	PDF	IES
	5000	54.0	5,599	103.7	6.0	PDF	IES	5,750	106.5	6.1	PDF	IES	5,984	110.8	6.2	PDF	IES	6,058	112.2	6.3	PDF	IES	6,181	114.5	6.3	PDF	IES
	4000	44.3	4,671	105.4	5.4	PDF	IES	4,794	108.2	5.4	PDF	IES	4,977	112.3	5.6	PDF	IES	5,043	113.8	5.6	PDF	IES	5,147	116.2	5.7	PDF	IES
	3000	35.2	3,742	106.3	5.8	PDF	IES	3,840	109.1	5.8	PDF	IES	3,979	113.0	6.0	PDF	IES	4,033	114.6	5.9	PDF	IES	4,114	116.9	6.0	PDF	IES
	2000	26.1	2,806	107.5	7.0	PDF	IES	2,881	110.4	7.0	PDF	IES	2,981	114.2	7.2	PDF	IES	3,023	115.8	7.1	PDF	IES	3,076	117.9	7.2	PDF	IES
	1000	18.4	1,857	100.9	8.9	PDF	IES	1,906	103.6	8.8	PDF	IES	1,972	107.2	9.1	PDF	IES	1,999	108.6	9.0	PDF	IES	2,027	110.2	9.1	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.
3. Photometry in tables above is based on white louvers. Photometry data for other color louvers is available for download on our website.
4. Photometry is for full louver configuration. For lens/louver combination, please scale separate IES files for lens and louver sections.

Performance 20° Asymmetric Wall Wash MesoOptics louver

Spacing Criteria: 1.29/0.59



Candela plot shown is for 3000lm/4ft Direct / 5000lm/4ft Indirect, CRI 90, 3500K configuration.

TruGroove suspended micro (louver)

Photometry

Direct/Indirect (TM05 & TM06) Performance 48° Medium Beam w/ MesoOptics louver

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
Direct	Indirect																										
4000	7000	86.4	10,360	119.9	9.9	PDF	IES	10,628	123.0	10.0	PDF	IES	11,067	128.1	10.2	PDF	IES	11,197	129.6	10.2	PDF	IES	11,393	131.9	10.2	PDF	IES
	6000	76.7	9,434	123.0	10.4	PDF	IES	9,678	126.2	10.5	PDF	IES	10,060	131.2	10.5	PDF	IES	10,187	132.8	10.6	PDF	IES	10,363	135.1	10.6	PDF	IES
	5000	68.5	8,521	124.4	10.9	PDF	IES	8,737	127.5	10.9	PDF	IES	9,068	132.4	11.1	PDF	IES	9,188	134.1	11.1	PDF	IES	9,345	136.4	11.1	PDF	IES
	4000	60.2	7,582	125.9	11.4	PDF	IES	7,771	129.1	11.5	PDF	IES	8,055	133.8	11.7	PDF	IES	8,165	135.6	11.7	PDF	IES	8,299	137.9	11.7	PDF	IES
	3000	53.1	6,645	125.1	12.1	PDF	IES	6,811	129.3	12.2	PDF	IES	7,055	132.9	12.3	PDF	IES	7,151	134.7	12.3	PDF	IES	7,260	136.7	12.3	PDF	IES
	2000	45.5	5,723	125.8	13.0	PDF	IES	5,865	128.9	13.0	PDF	IES	6,074	133.5	13.2	PDF	IES	6,157	135.3	13.1	PDF	IES	6,238	137.1	13.2	PDF	IES
	1000	39.3	4,779	121.6	14.0	PDF	IES	4,892	124.5	14.1	PDF	IES	5,068	129.0	14.2	PDF	IES	5,137	130.7	14.3	PDF	IES	5,194	132.2	14.3	PDF	IES
3500	7000	82.4	9,868	119.8	9.1	PDF	IES	10,122	122.8	9.1	PDF	IES	10,545	128.0	9.3	PDF	IES	10,668	129.5	9.3	PDF	IES	10,858	131.8	9.3	PDF	IES
	6000	72.6	8,942	123.2	9.5	PDF	IES	9,172	126.3	9.6	PDF	IES	9,538	131.4	9.7	PDF	IES	9,658	133.0	9.8	PDF	IES	9,827	135.4	9.7	PDF	IES
	5000	64.4	8,029	124.7	10.0	PDF	IES	8,231	127.8	10.0	PDF	IES	8,545	132.7	10.3	PDF	IES	8,659	134.5	10.2	PDF	IES	8,809	136.8	10.3	PDF	IES
	4000	56.3	7,090	125.9	10.6	PDF	IES	7,265	129.0	10.7	PDF	IES	7,533	133.8	10.8	PDF	IES	7,636	135.6	10.9	PDF	IES	7,764	137.9	10.8	PDF	IES
	3000	49.2	6,153	125.1	11.3	PDF	IES	6,305	128.2	11.4	PDF	IES	6,532	132.8	11.5	PDF	IES	6,622	134.6	11.6	PDF	IES	6,724	136.7	11.5	PDF	IES
	2000	41.6	5,231	125.7	12.2	PDF	IES	5,359	128.8	12.2	PDF	IES	5,551	133.4	12.4	PDF	IES	5,628	135.3	12.4	PDF	IES	5,703	137.1	12.5	PDF	IES
	1000	35.4	4,287	121.1	13.4	PDF	IES	4,386	123.9	13.4	PDF	IES	4,546	128.4	13.6	PDF	IES	4,608	130.2	13.6	PDF	IES	4,659	131.6	13.7	PDF	IES
3000	7000	78.6	9,392	119.5	8.1	PDF	IES	9,634	122.6	8.2	PDF	IES	10,040	127.7	8.3	PDF	IES	10,156	129.2	8.4	PDF	IES	10,341	131.6	8.3	PDF	IES
	6000	68.8	8,466	123.1	8.5	PDF	IES	8,684	126.2	8.6	PDF	IES	9,033	131.3	8.8	PDF	IES	9,146	132.9	8.8	PDF	IES	9,310	135.3	8.8	PDF	IES
	5000	60.6	7,553	124.6	9.0	PDF	IES	7,743	127.8	9.1	PDF	IES	8,040	132.7	9.2	PDF	IES	8,147	134.4	9.3	PDF	IES	8,292	136.8	9.3	PDF	IES
	4000	52.7	6,614	125.5	9.7	PDF	IES	6,777	128.6	9.8	PDF	IES	7,028	133.4	9.9	PDF	IES	7,124	135.2	9.9	PDF	IES	7,247	137.5	9.9	PDF	IES
	3000	45.5	5,677	124.8	10.4	PDF	IES	5,817	127.8	10.4	PDF	IES	6,027	132.5	10.6	PDF	IES	6,110	134.3	10.6	PDF	IES	6,207	136.4	10.7	PDF	IES
	2000	38.0	4,754	125.1	11.3	PDF	IES	4,871	128.2	11.4	PDF	IES	5,046	132.8	11.5	PDF	IES	5,116	134.6	11.6	PDF	IES	5,186	136.5	11.5	PDF	IES
	1000	31.8	3,810	119.8	12.6	PDF	IES	3,899	122.6	12.6	PDF	IES	4,041	127.1	12.9	PDF	IES	4,096	128.8	12.8	PDF	IES	4,142	130.3	12.8	PDF	IES
2500	7000	74.6	8,933	119.7	7.6	PDF	IES	9,166	122.9	7.7	PDF	IES	9,554	128.1	7.8	PDF	IES	9,663	129.5	7.9	PDF	IES	9,843	131.9	8.0	PDF	IES
	6000	64.8	8,006	123.5	7.4	PDF	IES	8,215	126.8	7.5	PDF	IES	8,547	131.9	7.7	PDF	IES	8,653	133.5	7.7	PDF	IES	8,812	136.0	7.7	PDF	IES
	5000	56.7	7,093	125.1	8.0	PDF	IES	7,274	128.3	8.0	PDF	IES	7,554	133.2	8.1	PDF	IES	7,653	135.0	8.2	PDF	IES	7,794	137.5	8.1	PDF	IES
	4000	48.4	6,154	127.1	8.6	PDF	IES	6,309	130.4	8.6	PDF	IES	6,542	135.2	8.8	PDF	IES	6,631	137.0	8.8	PDF	IES	6,749	139.4	8.8	PDF	IES
	3000	41.2	5,218	126.7	9.3	PDF	IES	5,348	129.8	9.4	PDF	IES	5,541	134.5	9.6	PDF	IES	5,617	136.3	9.6	PDF	IES	5,710	138.6	9.6	PDF	IES
	2000	33.9	4,295	126.7	10.4	PDF	IES	4,403	129.9	10.4	PDF	IES	4,560	134.5	10.6	PDF	IES	4,623	136.4	10.5	PDF	IES	4,688	138.3	10.6	PDF	IES
	1000	27.5	3,351	121.9	11.7	PDF	IES	3,430	124.7	11.8	PDF	IES	3,554	129.2	11.9	PDF	IES	3,603	131.0	12.0	PDF	IES	3,644	132.5	12.0	PDF	IES
2000	7000	71.0	8,443	118.9	7.4	PDF	IES	8,667	122.1	7.5	PDF	IES	9,035	127.3	7.7	PDF	IES	9,137	128.7	7.7	PDF	IES	9,313	131.2	7.8	PDF	IES
	6000	61.2	7,517	122.8	7.0	PDF	IES	7,717	126.1	7.1	PDF	IES	8,028	131.2	7.2	PDF	IES	8,127	132.8	7.3	PDF	IES	8,282	135.3	7.4	PDF	IES
	5000	53.0	6,604	124.6	6.6	PDF	IES	6,775	127.8	6.7	PDF	IES	7,036	132.8	6.8	PDF	IES	7,128	134.5	6.8	PDF	IES	7,264	137.1	6.9	PDF	IES
	4000	44.9	5,665	126.2	7.1	PDF	IES	5,810	129.4	7.2	PDF	IES	6,023	134.1	7.3	PDF	IES	6,105	136.0	7.4	PDF	IES	6,219	138.5	7.4	PDF	IES
	3000	37.7	4,728	125.4	8.0	PDF	IES	4,850	128.6	8.0	PDF	IES	5,023	133.2	8.2	PDF	IES	5,092	135.1	8.2	PDF	IES	5,180	137.4	8.2	PDF	IES
	2000	30.3	3,805	125.6	9.0	PDF	IES	3,904	128.8	9.0	PDF	IES	4,042	133.4	9.2	PDF	IES	4,097	135.2	9.2	PDF	IES	4,158	137.2	9.3	PDF	IES
	1000	24.0	2,861	119.2	10.6	PDF	IES	2,931	122.1	10.5	PDF	IES	3,036	126.5	10.8	PDF	IES	3,077	128.2	10.7	PDF	IES	3,114	129.8	10.8	PDF	IES
1500	7000	67.5	7,973	118.1	7.2	PDF	IES	8,188	121.3	7.3	PDF	IES	8,537	126.5	7.5	PDF	IES	8,632	127.9	7.5	PDF	IES	8,804	130.4	7.6	PDF	IES
	6000	57.7	7,047	122.1	6.8	PDF	IES	7,237	125.4	6.9	PDF	IES	7,530	130.5	7.0	PDF	IES	7,623	132.1	7.1	PDF	IES	7,773	134.7	7.1	PDF	IES
	5000	49.5	6,134	123.9	6.3	PDF	IES	6,296	127.2	6.4	PDF	IES	6,538	132.1	6.5	PDF	IES	6,623	133.8	6.6	PDF	IES	6,756	136.5	6.6	PDF	IES
	4000	41.6	5,195	124.9	5.7	PDF	IES	5,330	128.1	5.8	PDF	IES	5,525	132.8	5.9	PDF	IES	5,600	134.6	6.0	PDF	IES	5,710	137.3	6.1	PDF	IES
	3000	34.4	4,258	123.8	6.2	PDF	IES	4,370	127.0	6.2	PDF	IES	4,524	131.5	6.5	PDF	IES	4,587	133.3	6.4	PDF	IES	4,671	135.8	6.5	PDF	IES
	2000	27.0	3,335	123.5	7.3	PDF	IES	3,425	126.9	7.3	PDF	IES	3,544	131.3	7.5	PDF	IES	3,593	133.1	7.6	PDF	IES	3,649	135.1	7.5	PDF	IES
	1000	20.7	2,391	115.5	8.9	PDF	IES	2,452	118.5	9.0	PDF	IES	2,538	122.6	9.1	PDF	IES	2,572	124.3	9.2	PDF	IES	2,605	125.8	9.2	PDF	IES
1000	7000	64.0	7,474	116.8	7.0	PDF	IES	7,677	120.0	7.1	PDF	IES	8,007	125.1	7.2	PDF	IES	8,097	126.5	7.3	PDF	IES	8,263	129.1	7.3	PDF	IES
	6000	54.2	6,548	120.8	6.5	PDF	IES	6,727	124.1	6.6	PDF	IES	7,000	129.2	6.8	PDF	IES	7,087	130.8	6.8	PDF	IES	7,233	133.5	6.9	PDF	IES
	5000	46.2	5,635	122.0	6.0	PDF	IES	5,786	125.2	6.1	PDF	IES	6,008	130.0	6.2	PDF	IES	6,088	131.8	6.3	PDF	IES	6,215	134.5	6.4	PDF	IES
	4000	38.2	4,696	122.9	5.4																						

TruGroove suspended micro (louver)

Photometry

Direct/Indirect (TM05 & TM06) Performance 27° Narrow Beam w/ MesoOptics louver

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
Direct	Indirect																										
4000	7000	86.4	10,295	119.2	8.1	PDF	IES	10,561	122.2	8.2	PDF	IES	10,998	127.3	8.4	PDF	IES	11,126	128.8	8.4	PDF	IES	11,322	131.0	8.5	PDF	IES
	6000	76.7	9,369	122.2	7.8	PDF	IES	9,611	125.3	7.9	PDF	IES	9,991	130.3	8.0	PDF	IES	10,117	131.9	8.1	PDF	IES	10,292	134.2	8.1	PDF	IES
	5000	68.5	8,456	123.4	7.4	PDF	IES	8,670	126.6	7.5	PDF	IES	8,998	131.4	7.7	PDF	IES	9,117	133.1	7.7	PDF	IES	9,274	135.4	7.8	PDF	IES
	4000	60.2	7,517	124.9	7.0	PDF	IES	7,704	128.0	7.1	PDF	IES	7,986	132.7	7.2	PDF	IES	8,094	134.5	7.3	PDF	IES	8,228	136.7	7.3	PDF	IES
	3000	53.1	6,580	123.9	7.3	PDF	IES	6,744	127.0	7.4	PDF	IES	6,985	131.5	7.5	PDF	IES	7,081	133.4	7.5	PDF	IES	7,189	135.4	7.5	PDF	IES
	2000	45.5	5,657	124.3	8.2	PDF	IES	5,798	127.4	8.2	PDF	IES	6,004	132.0	8.4	PDF	IES	6,087	133.8	8.4	PDF	IES	6,167	135.5	8.4	PDF	IES
	1000	39.3	4,713	119.9	9.2	PDF	IES	4,825	122.8	9.3	PDF	IES	4,999	127.2	9.4	PDF	IES	5,066	128.9	9.5	PDF	IES	5,123	130.4	9.5	PDF	IES
3500	7000	82.4	9,811	119.1	8.0	PDF	IES	10,064	122.1	8.0	PDF	IES	10,485	127.2	8.2	PDF	IES	10,607	128.7	8.2	PDF	IES	10,796	131.0	8.3	PDF	IES
	6000	72.6	8,885	122.4	7.6	PDF	IES	9,114	125.5	7.7	PDF	IES	9,477	130.5	7.8	PDF	IES	9,597	132.2	7.9	PDF	IES	9,765	134.5	7.9	PDF	IES
	5000	64.4	7,972	123.8	7.2	PDF	IES	8,173	126.9	7.3	PDF	IES	8,485	131.8	7.5	PDF	IES	8,597	133.5	7.5	PDF	IES	8,747	135.8	7.6	PDF	IES
	4000	56.3	7,033	124.8	6.8	PDF	IES	7,207	128.0	6.9	PDF	IES	7,472	132.7	7.0	PDF	IES	7,575	134.5	7.1	PDF	IES	7,702	136.8	7.1	PDF	IES
	3000	49.2	6,096	123.9	6.5	PDF	IES	6,247	127.0	6.6	PDF	IES	6,472	131.5	6.7	PDF	IES	6,561	133.4	6.8	PDF	IES	6,663	135.4	6.7	PDF	IES
	2000	41.6	5,174	124.4	7.3	PDF	IES	5,301	127.4	7.4	PDF	IES	5,491	132.0	7.5	PDF	IES	5,567	133.8	7.6	PDF	IES	5,641	135.6	7.6	PDF	IES
	1000	35.4	4,230	119.5	8.5	PDF	IES	4,328	122.3	8.6	PDF	IES	4,485	126.7	8.8	PDF	IES	4,546	128.4	8.8	PDF	IES	4,597	129.9	8.8	PDF	IES
3000	7000	78.6	9,343	118.9	7.8	PDF	IES	9,584	121.9	7.9	PDF	IES	9,988	127.1	8.0	PDF	IES	10,103	128.5	8.1	PDF	IES	10,288	130.9	8.1	PDF	IES
	6000	68.8	8,417	122.3	7.4	PDF	IES	8,634	125.5	7.5	PDF	IES	8,981	130.5	7.6	PDF	IES	9,094	132.2	7.7	PDF	IES	9,257	134.5	7.7	PDF	IES
	5000	60.6	7,504	123.8	7.0	PDF	IES	7,693	126.9	7.1	PDF	IES	7,989	131.8	7.2	PDF	IES	8,094	133.6	7.3	PDF	IES	8,239	136.0	7.3	PDF	IES
	4000	52.7	6,565	124.6	6.6	PDF	IES	6,727	127.6	6.6	PDF	IES	6,976	132.4	6.8	PDF	IES	7,071	134.2	6.8	PDF	IES	7,194	136.5	6.9	PDF	IES
	3000	45.5	5,628	123.7	6.0	PDF	IES	5,767	126.7	6.1	PDF	IES	5,975	131.3	6.2	PDF	IES	6,058	133.1	6.3	PDF	IES	6,154	135.3	6.3	PDF	IES
	2000	38.0	4,705	123.8	6.5	PDF	IES	4,822	126.9	6.6	PDF	IES	4,995	131.4	6.7	PDF	IES	5,063	133.2	6.8	PDF	IES	5,133	135.1	6.8	PDF	IES
	1000	31.8	3,761	118.3	7.8	PDF	IES	3,849	121.0	7.8	PDF	IES	3,989	125.4	8.0	PDF	IES	4,043	127.1	8.0	PDF	IES	4,089	128.6	8.0	PDF	IES
2500	7000	74.6	8,891	119.2	7.6	PDF	IES	9,124	122.3	7.7	PDF	IES	9,510	127.5	7.8	PDF	IES	9,619	128.9	7.9	PDF	IES	9,799	131.4	7.9	PDF	IES
	6000	64.8	7,965	122.9	7.2	PDF	IES	8,174	126.1	7.3	PDF	IES	8,503	131.2	7.5	PDF	IES	8,609	132.9	7.5	PDF	IES	8,768	135.3	7.6	PDF	IES
	5000	56.7	7,052	124.4	6.8	PDF	IES	7,232	127.5	6.9	PDF	IES	7,511	132.5	7.0	PDF	IES	7,609	134.2	7.1	PDF	IES	7,750	136.7	7.1	PDF	IES
	4000	48.4	6,113	126.3	6.3	PDF	IES	6,267	129.5	6.4	PDF	IES	6,498	134.3	6.5	PDF	IES	6,587	136.1	6.6	PDF	IES	6,705	138.5	6.6	PDF	IES
	3000	41.2	5,177	125.7	5.7	PDF	IES	5,306	128.8	5.8	PDF	IES	5,497	133.4	5.9	PDF	IES	5,573	135.3	6.0	PDF	IES	5,665	137.5	6.0	PDF	IES
	2000	33.9	4,254	125.5	5.6	PDF	IES	4,361	128.6	5.5	PDF	IES	4,517	133.2	5.8	PDF	IES	4,579	135.1	5.7	PDF	IES	4,644	137.0	5.8	PDF	IES
	1000	27.5	3,310	120.4	6.9	PDF	IES	3,388	123.2	7.0	PDF	IES	3,511	127.7	7.1	PDF	IES	3,559	129.4	7.1	PDF	IES	3,600	130.9	7.2	PDF	IES
2000	7000	71.0	8,410	118.5	7.4	PDF	IES	8,634	121.6	7.5	PDF	IES	9,001	126.8	7.6	PDF	IES	9,102	128.2	7.7	PDF	IES	9,278	130.7	7.8	PDF	IES
	6000	61.2	7,484	122.3	7.0	PDF	IES	7,683	125.5	7.1	PDF	IES	7,993	130.6	7.2	PDF	IES	8,092	132.2	7.3	PDF	IES	8,247	134.8	7.3	PDF	IES
	5000	53.0	6,571	124.0	6.6	PDF	IES	6,742	127.2	6.6	PDF	IES	7,001	132.1	6.8	PDF	IES	7,093	133.8	6.8	PDF	IES	7,229	136.4	6.9	PDF	IES
	4000	44.9	5,632	125.4	6.0	PDF	IES	5,776	128.6	6.1	PDF	IES	5,989	133.4	6.2	PDF	IES	6,070	135.2	6.3	PDF	IES	6,184	137.7	6.3	PDF	IES
	3000	37.7	4,695	124.5	5.4	PDF	IES	4,816	127.7	5.5	PDF	IES	4,988	132.3	5.6	PDF	IES	5,057	134.1	5.7	PDF	IES	5,144	136.4	5.7	PDF	IES
	2000	30.3	3,773	124.5	4.6	PDF	IES	3,871	127.8	4.7	PDF	IES	4,007	132.2	4.8	PDF	IES	4,062	134.1	4.9	PDF	IES	4,123	136.1	4.9	PDF	IES
	1000	24.0	2,829	117.9	5.7	PDF	IES	2,898	120.8	5.7	PDF	IES	3,001	125.0	6.0	PDF	IES	3,042	126.8	5.9	PDF	IES	3,079	128.3	5.9	PDF	IES
1500	7000	67.5	7,948	117.7	7.2	PDF	IES	8,162	120.9	7.3	PDF	IES	8,511	126.1	7.5	PDF	IES	8,606	127.5	7.5	PDF	IES	8,777	130.0	7.6	PDF	IES
	6000	57.7	7,022	121.7	6.8	PDF	IES	7,212	125.0	6.9	PDF	IES	7,504	130.1	7.0	PDF	IES	7,596	131.6	7.1	PDF	IES	7,747	134.3	7.1	PDF	IES
	5000	49.5	6,109	123.4	6.3	PDF	IES	6,271	126.7	6.4	PDF	IES	6,511	131.5	6.5	PDF	IES	6,597	133.3	6.6	PDF	IES	6,729	135.9	6.6	PDF	IES
	4000	41.6	5,170	124.3	5.7	PDF	IES	5,305	127.5	5.8	PDF	IES	5,499	132.2	5.9	PDF	IES	5,574	134.0	6.0	PDF	IES	5,684	136.6	6.1	PDF	IES
	3000	34.4	4,233	123.1	5.0	PDF	IES	4,345	126.3	5.1	PDF	IES	4,498	130.8	5.2	PDF	IES	4,561	132.6	5.3	PDF	IES	4,644	135.0	5.4	PDF	IES
	2000	27.0	3,311	122.6	4.2	PDF	IES	3,399	125.9	4.3	PDF	IES	3,517	130.3	4.4	PDF	IES	3,566	132.1	4.4	PDF	IES	3,623	134.2	4.5	PDF	IES
	1000	20.7	2,367	114.3	4.1	PDF	IES	2,427	117.2	4.2	PDF	IES	2,512	121.4	4.3	PDF	IES	2,546	123.0	4.4	PDF	IES	2,579	124.6	4.4	PDF	IES
1000	7000	64.0	7,458	116.5	7.0	PDF	IES	7,661	119.7	7.1	PDF	IES	7,990	124.8	7.2	PDF	IES	8,079	126.2	7.3	PDF	IES	8,246	128.8	7.3	PDF	IES
	6000	54.2	6,532	120.5	6.5	PDF	IES	6,710	123.8	6.6	PDF	IES	6,983	128.8	6.8	PDF	IES	7,070	130.4	6.8	PDF	IES	7,215	133.1	6.9	PDF	IES
	5000	46.2	5,619	121.6	6.0	PDF	IES	5,769	124.9	6.1	PDF	IES	5,991	129.7	6.2	PDF	IES	6,070	131.4	6.3	PDF	IES	6,197	134.1	6.3	PDF	IES
	4000	38.2	4,680	122.5	5.4	PDF	IES	4,803	125.7	5.5	PDF	IES	4,978	130.3	5.6												

TruGroove suspended micro (louver)

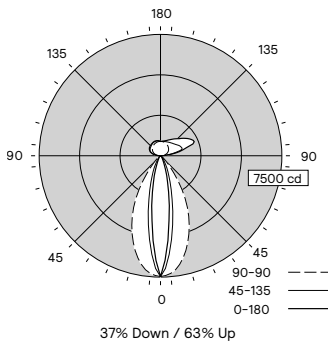
Photometry

Direct/Indirect (TM05 & TM06) Performance 17° Graze Beam w/ MesoOptic Louver

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
Direct	Indirect																										
4000	6000	88.1	9,375	106.4	7.8	PDF	IES	9,614	109.1	7.9	PDF	IES	10,013	113.7	8.0	PDF	IES	10,127	114.9	8.1	PDF	IES	10,302	116.9	8.1	PDF	IES
	5000	76.4	8,453	110.6	7.7	PDF	IES	8,669	113.5	7.8	PDF	IES	9,011	117.9	8.0	PDF	IES	9,124	119.4	8.0	PDF	IES	9,277	121.4	8.0	PDF	IES
	4000	66.5	7,526	113.2	8.3	PDF	IES	7,713	116.0	8.4	PDF	IES	8,004	120.4	8.6	PDF	IES	8,109	121.9	8.6	PDF	IES	8,243	124.0	8.6	PDF	IES
	3000	57.2	6,597	115.3	9.0	PDF	IES	6,759	118.2	9.1	PDF	IES	7,005	122.5	9.2	PDF	IES	7,100	124.1	9.2	PDF	IES	7,210	126.0	9.3	PDF	IES
	2000	48.0	5,660	117.9	9.9	PDF	IES	5,800	120.8	9.9	PDF	IES	6,008	125.2	10.1	PDF	IES	6,089	126.9	10.1	PDF	IES	6,172	128.6	10.1	PDF	IES
	1000	40.4	4,712	116.6	10.9	PDF	IES	4,825	119.4	11.0	PDF	IES	4,999	123.7	11.1	PDF	IES	5,066	125.4	11.2	PDF	IES	5,123	126.8	11.2	PDF	IES
3500	6000	84.1	8,890	105.7	7.6	PDF	IES	9,115	108.4	7.7	PDF	IES	9,498	112.9	7.8	PDF	IES	9,606	114.2	7.9	PDF	IES	9,774	116.2	7.9	PDF	IES
	5000	72.4	7,969	110.1	7.2	PDF	IES	8,171	112.9	7.3	PDF	IES	8,496	117.3	7.5	PDF	IES	8,603	118.8	7.5	PDF	IES	8,749	120.8	7.6	PDF	IES
	4000	62.5	7,041	112.7	7.5	PDF	IES	7,215	115.4	7.6	PDF	IES	7,489	119.8	7.7	PDF	IES	7,588	121.4	7.8	PDF	IES	7,715	123.4	7.7	PDF	IES
	3000	53.3	6,112	114.7	8.2	PDF	IES	6,261	117.5	8.3	PDF	IES	6,491	121.8	8.4	PDF	IES	6,578	123.4	8.5	PDF	IES	6,682	125.4	8.4	PDF	IES
	2000	44.1	5,176	117.4	9.1	PDF	IES	5,301	120.2	9.1	PDF	IES	5,493	124.6	9.4	PDF	IES	5,567	126.2	9.3	PDF	IES	5,644	128.0	9.3	PDF	IES
	1000	36.5	4,227	115.8	10.3	PDF	IES	4,326	118.5	10.3	PDF	IES	4,484	122.8	10.6	PDF	IES	4,544	124.5	10.5	PDF	IES	4,595	125.9	10.5	PDF	IES
3000	6000	76.3	7,968	104.4	7.2	PDF	IES	8,173	107.1	7.3	PDF	IES	8,521	111.7	7.5	PDF	IES	8,616	112.9	7.5	PDF	IES	8,774	115.0	7.6	PDF	IES
	5000	68.6	7,499	109.3	7.0	PDF	IES	7,690	112.1	7.1	PDF	IES	7,999	116.6	7.2	PDF	IES	8,098	118.0	7.3	PDF	IES	8,240	120.1	7.3	PDF	IES
	4000	58.8	6,571	111.8	6.6	PDF	IES	6,734	114.5	6.6	PDF	IES	6,991	118.9	6.8	PDF	IES	7,083	120.5	6.8	PDF	IES	7,206	122.6	6.9	PDF	IES
	3000	49.7	5,643	113.5	7.3	PDF	IES	5,780	116.3	7.3	PDF	IES	5,993	120.6	7.5	PDF	IES	6,074	122.2	7.5	PDF	IES	6,172	124.2	7.5	PDF	IES
	2000	40.5	4,706	116.2	8.2	PDF	IES	4,820	119.0	8.3	PDF	IES	4,995	123.3	8.4	PDF	IES	5,063	125.0	8.5	PDF	IES	5,135	126.8	8.5	PDF	IES
	1000	32.9	3,758	114.2	9.5	PDF	IES	3,845	116.9	9.6	PDF	IES	3,987	121.2	9.7	PDF	IES	4,040	122.8	9.8	PDF	IES	4,086	124.2	9.8	PDF	IES
2500	6000	72.7	7,485	103.0	7.0	PDF	IES	7,681	105.7	7.1	PDF	IES	8,010	110.2	7.2	PDF	IES	8,098	111.4	7.3	PDF	IES	8,252	113.5	7.3	PDF	IES
	5000	64.6	7,046	109.1	6.8	PDF	IES	7,228	111.9	6.9	PDF	IES	7,520	116.4	7.0	PDF	IES	7,612	117.8	7.1	PDF	IES	7,749	120.0	7.1	PDF	IES
	4000	54.7	6,119	111.9	6.3	PDF	IES	6,272	114.7	6.4	PDF	IES	6,512	119.0	6.5	PDF	IES	6,597	120.6	6.6	PDF	IES	6,715	122.8	6.6	PDF	IES
	3000	45.4	5,190	114.3	6.2	PDF	IES	5,318	117.1	6.3	PDF	IES	5,514	121.5	6.5	PDF	IES	5,588	123.1	6.5	PDF	IES	5,682	125.2	6.5	PDF	IES
	2000	36.4	4,253	116.8	7.3	PDF	IES	4,359	119.8	7.2	PDF	IES	4,516	124.1	7.5	PDF	IES	4,577	125.7	7.4	PDF	IES	4,644	127.6	7.5	PDF	IES
	1000	28.7	3,305	115.2	8.7	PDF	IES	3,384	117.9	8.7	PDF	IES	3,508	122.2	8.9	PDF	IES	3,554	123.8	8.8	PDF	IES	3,595	125.3	8.9	PDF	IES
2000	6000	72.7	7,485	103.0	7.0	PDF	IES	7,681	105.7	7.1	PDF	IES	8,010	110.2	7.2	PDF	IES	8,098	111.4	7.3	PDF	IES	8,252	113.5	7.3	PDF	IES
	5000	61.0	6,564	107.6	6.6	PDF	IES	6,737	110.4	6.6	PDF	IES	7,009	114.9	6.8	PDF	IES	7,094	116.3	6.8	PDF	IES	7,227	118.5	6.9	PDF	IES
	4000	51.0	5,636	110.5	6.0	PDF	IES	5,781	113.4	6.1	PDF	IES	6,001	117.7	6.2	PDF	IES	6,079	119.2	6.3	PDF	IES	6,193	121.4	6.4	PDF	IES
	3000	41.9	4,707	112.3	5.4	PDF	IES	4,826	115.2	5.5	PDF	IES	5,003	119.4	5.6	PDF	IES	5,070	121.0	5.7	PDF	IES	5,160	123.2	5.7	PDF	IES
	2000	32.8	3,771	115.0	5.9	PDF	IES	3,867	117.9	5.9	PDF	IES	4,005	122.1	6.1	PDF	IES	4,059	123.8	6.1	PDF	IES	4,122	125.7	6.1	PDF	IES
	1000	25.1	2,823	112.5	7.4	PDF	IES	2,892	115.2	7.4	PDF	IES	2,997	119.4	7.6	PDF	IES	3,036	121.0	7.7	PDF	IES	3,073	122.4	7.6	PDF	IES
1500	6000	69.2	7,022	101.5	6.8	PDF	IES	7,209	104.2	6.9	PDF	IES	7,519	108.7	7.0	PDF	IES	7,600	109.8	7.1	PDF	IES	7,750	112.0	7.1	PDF	IES
	5000	57.5	6,101	106.1	6.3	PDF	IES	6,264	108.9	6.4	PDF	IES	6,518	113.4	6.5	PDF	IES	6,597	114.7	6.6	PDF	IES	6,725	117.0	6.6	PDF	IES
	4000	47.7	5,173	108.4	5.7	PDF	IES	5,308	111.3	5.8	PDF	IES	5,510	115.5	5.9	PDF	IES	5,582	117.0	6.0	PDF	IES	5,691	119.3	6.1	PDF	IES
	3000	38.6	4,244	109.9	5.0	PDF	IES	4,354	112.8	5.1	PDF	IES	4,512	116.9	5.3	PDF	IES	4,572	118.4	5.3	PDF	IES	4,658	120.7	5.4	PDF	IES
	2000	29.5	3,308	112.1	4.2	PDF	IES	3,394	115.1	4.3	PDF	IES	3,514	119.1	4.4	PDF	IES	3,562	120.7	4.4	PDF	IES	3,620	122.7	4.5	PDF	IES
	1000	21.7	2,359	108.7	5.9	PDF	IES	2,419	111.5	5.9	PDF	IES	2,506	115.5	6.1	PDF	IES	2,538	117.0	6.1	PDF	IES	2,571	118.5	6.1	PDF	IES
1000	6000	65.7	6,530	99.4	6.5	PDF	IES	6,705	102.1	6.6	PDF	IES	6,997	106.5	6.8	PDF	IES	7,072	107.6	6.8	PDF	IES	7,217	109.8	6.9	PDF	IES
	5000	54.0	5,609	103.9	6.0	PDF	IES	5,761	106.7	6.1	PDF	IES	5,995	110.0	6.2	PDF	IES	6,069	112.4	6.3	PDF	IES	6,192	114.7	6.3	PDF	IES
	4000	44.3	4,681	105.7	5.4	PDF	IES	4,805	108.5	5.5	PDF	IES	4,988	112.6	5.6	PDF	IES	5,054	114.1	5.6	PDF	IES	5,158	116.4	5.7	PDF	IES
	3000	35.2	3,752	106.6	4.6	PDF	IES	3,851	109.4	4.7	PDF	IES	3,990	113.4	4.8	PDF	IES	4,044	114.9	4.9	PDF	IES	4,125	117.2	4.9	PDF	IES
	2000	26.1	2,816	107.9	3.6	PDF	IES	2,891	110.8	3.7	PDF	IES	2,992	114.6	3.8	PDF	IES	3,034	116.2	3.9	PDF	IES	3,087	118.3	3.9	PDF	IES
	1000	18.4	1,868	101.5	3.4	PDF	IES	1,916	104.1	3.5	PDF	IES	1,983	107.8	3.6	PDF	IES	2,010	109.2	3.7	PDF	IES	2,038	110.8	3.7	PDF	IES

- 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.
- 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.
- Photometry in tables above is based on white louvers. Photometry data for other color louvers is available for download on our website.
- Photometry is for full louver configuration. For lens/louver combination, please scale separate IES files for lens and louver sections.

Performance 17° Graze Beam MesoOptics Louver Spacing Criteria: 0.28/0.82



Candela plot shown is for 3000lm/4ft Direct / 5000lm/4ft Indirect, CRI 90, 3500K configuration.

TruGroove suspended micro (louver)



© 2022 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.