



Architectural Linear

TruGroove

Recessed micro



TruGroove recessed micro delivers the perfect combination of slender aesthetic and lighting control, creating luminous environments with exceptional uniformity and wide row spacing from a 1.75" aperture continuous line-of light. An extended family and refined design are perfect for lighting any professional space.

TruGroove recessed micro now includes AccuRender technology for the highest color quality at the highest efficacy.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Line ID: _____ Qty: _____

Notes: _____

Ordering guide¹²

quickship options

Tunable White options

Example: 2301L935NQWFF35S308DS1NCSW

Family	Version ¹¹	Distribution ¹	Source	CRI/CCT ^{1,3,5}	Optics (Direct)* ²					
					Lens Optic*	Louver Cell Optic*	Louver Color	Louver Length*	Louver Position*	
23	0	1	L							
23 TruGroove Micro	0 Recessed	1 Direct	L LED	950 90+/5000K 927 90+/2700K 940 90+/4000K 935 90+/3500K 930 90+/3000K 9T2 90+/2700-6500K 2ch Tunable White BIO 80+/2700-5000K BioUp (confirm controls)	N No lens (must specify louver optic) Q Symmetric Batwing Flush MesoOptics [†] W Asymmetric Wall Wash Flush MesoOptics L Symmetric Flush Silk B Symmetric Flush Black D Symmetric Drop Silk	N No louver (must specify lens optic) Quad Optic/MesoOptics G 17° Graze R 27° Narrow M 48° Medium S 63° Stack Q 61° Sym. Batwing W 20° Asym. Wall Wash Silk Optic K Definition Sym.	N None B Black W White P Platinum G Gold C Copper	N None C 6in (3 cells) 1 1ft (6 cells) F Full length	N None L Left (Start) of Row/Module R Right (End) of Row/Module A All Module Ends B Both Ends of Row F Full length of Row/Module	

*Notes:

To specify a lens/louver combination please select both lens and louver options. FF full length louver cannot be combined with a lens, must select N for lens option.

If louver position A is selected, all modules in a row will ship with louvers at both ends of the module.

If louver position B is selected, rows will ship with two left or two right end modules if optics are symmetric, and will ship with one left and one right end module if optics are asymmetric.

Louver Cell Optic only available in straight sections & 2 Way, 90° corner configurations, with corner filler plate. Please inquire for louver cells in other configurations.

Lumens (Direct) ^{1,1,2}		Housing ²	Ceiling/Trim	Length							
Lumens/4ft (lm/ft)	Other options possible in increments of 100lm/4ft (25lm/ft) between 1000-4000lm/4ft										
40	4000lm (1000lm)	20	2000lm (500lm)	S Standard	1 T-Grid	02	2ft	05	5ft	AI	Inside T-Grid Corner (90°)
35	3500lm (875lm)	15	1500lm (375lm)	C Chicago Plenum	2 Drywall trimless (wall recessed)	03	3ft	06	6ft	AO	Outside T-Grid Corner (90°)
30	3000lm (750lm)	10	1000lm (250lm)		3 Drywall trimless (ceiling recessed)	04	4ft	08	8ft	A4	Flat Drywall Corner (90°)
25	2500lm (625lm)	07	700lm (175lm)		4 Drywall trim	XX	Continuous run (specify length)		00	00	Inside Wall Corner (90° bracket)

† Notes:

TruGroove recessed micro's universal T-Grid mount option is compatible with numerous ceiling grid styles, including NEMA Type G, NFG, NFSG, and SS. Drywall trimless (wall recessed) fixtures are only available with Symmetric Flush Black (B) or Symmetric Flush Silk lens optics (L). Continuous run lengths available from 10ft, in increments as small as 1/8in for lens configurations ≤3500lm/4ft and increments of 6in for lens configurations >3500lm/4ft and all louver configurations.

Voltage ⁵	Driver ^{+,3,5}	Circuit ^{6,7,8}	Wiring ^{†,6,7,9}	Systems/Controls ^{†,10}	Trim Finish
3 347V	E Advance Xitanium 0-10V (1%)	1 Single circuit	N None	NN None	W Standard White
D UNV 120-277V	D Advance Xitanium DALI-2 D4i (1%) H Lutron EcoSystem LDE1 (<1%, Fade-to-Black)	C Single circuit + 1 thru wire F Single circuit + 4 thru wires	B Battery Pack E Auxiliary Wiring		B Midnight Black
D UNV 120-277V	S Advance Xitanium SR, DALI-2 D4i (1%, Dim-to-off, Fade-to-on)	1 Single circuit C Single circuit + 1 thru wire	G GTD 120V H GTD 277V		C Custom (specify color)
D UNV 120-277V	A Advance Xitanium 0-10V + Aux (1%, Dim-to-off, Fade-to-on)	1 Single circuit C Single circuit + 1 thru wire	N None B Battery pack	NN None RA Interact RADIO only node CS Interact wireless day & occ. sensor SB Interact advanced wireless sensor bundle	
D UNV 120-277V	F Advance FlexTune 2ch SR, DALI-2 DT8 (1%, Dim-to-off, Fade-to-on)	1 Single circuit C Single circuit + 1 thru wire	N None B Battery pack	AS Lutron Athena Sensor AWNS (Day/Occ) AR Lutron Athena Radio Node AWNR VS Lutron Vibe Sensor VDO (Day/Occ) VR Lutron Vibe Radio Node VRF	
	2 0-10V 2ch (0.1%) 8 DALI-2 DT8 2ch (0.1%)	1 Single circuit C Single circuit + 1 thru wire	N None B Battery pack	NN None RA Interact RADIO only node CS Interact wireless day & occ. sensor SB Interact advanced wireless sensor bundle AS Lutron Athena Sensor AWNS (Day/Occ) AR Lutron Athena Radio Node AWNR	

‡ Notes:

UL924 listed sensor bypass relay only available in fixtures ≥ 4ft and is factory installed between driver & sensor. Must be ordered with an integral sensing option. Must be installed in conjunction with a UL1008 device. Radio nodes and sensors can only be combined with driver types S, A or F as noted above, must select NN for System/Controls options with all other driver types. Integral sensors only available at ends of straight run, ceiling mounted fixtures with flush lens/louver. For other configurations please inquire about options for remote mount sensors (confirm sensor mounting). Integral Interact and Athena nodes or sensor colour can be white or black to match trim finish. Vibe, Basic Day/Occ and remote sensors and mounting are white only. Signify and Lutron sensor options shown in the order guide. Third party sensors also available, please inquire about options.

DLC Note: Not all product variations are DLC qualified. To ensure that a specific model is qualified, please enter "RRRXJT" in the search field [here](#).
Ledalite-TruGroove-Micro-Recessed-spec-sheet-en 02/26



TruGroove recessed micro

Footnotes

1. Nominal values within a range. Some lumen packages not available in all configurations, consult photometry data for CRI/CCT (static & tunable white), lumens & distribution of chosen configuration.
 2. Standard and Chicago Plenum Housings available up to 4000lm/4ft (TYPE IC), except with the Symmetric Flush Black lens which is limited to max 1000lm/4ft (Type NON-IC).
 3. Tunable White available with Advance FlexTune 2ch SR, 0-10V 2ch, DALI-2 (DT8) drivers. Please inquire about options for DMX.
 4. Standard TruGroove recessed micro corners are nominally 2ftx2ft and 90°. Please inquire about options for custom angles, intersections, and curves.
 5. 347V Only available with static white and E - Advance Xitanium 0-10V (1%) driver option, not available with GTD or Battery Packs.
 6. Some circuit/wiring options not available in all configurations, consult Ledalite for other available options.
 7. Luminaires are pre-wired to ends with quick 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.
 8. Through-wire options 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.
 9. Auxiliary & GTD wiring not available in Interact luminaires. Auxiliary sections are wired to one fixture end only. Battery packs available in modules ≥ 4 ft (lumen package limits may apply, check with Ledalite).
 10. Interact options may require an IRT9015 Interact commissioning remote or other separate controls hardware by Signify.
 11. Selecting a corner in the run length field will automatically adjust the version code when shipped as follows: A = Flat T-Grid/Drywall Corner, K = Outside Wall Corner, G = Inside Wall Corner Bracket.
 12. Other options not shown here may be possible via a custom request, please consult factory. Extended lead times and minimum order quantities may apply.
- Note:** Due to continuing product improvements, Ledalite reserves the right to change the specifications without notice.



TruGroove recessed micro comprises a seamless 1.75" wide ribbon of light with exceptional performance and versatility for functional and decorative linear rows or fully illuminated patterns.

Find the TruGroove recessed micro family by scanning or clicking the QR code.

Options

Standalone

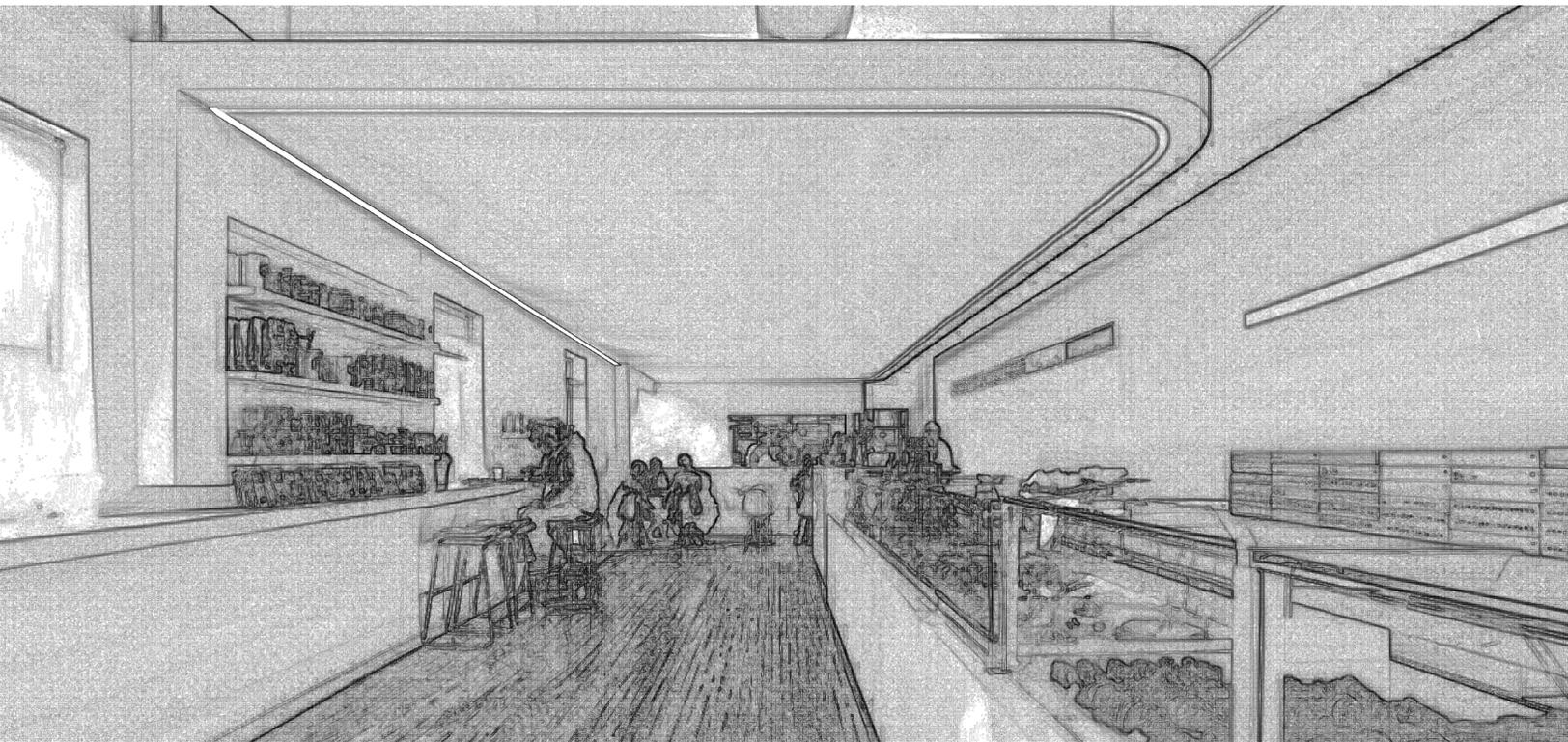
Keep it simple with standalone modules, available in 6 standard lengths. Consult Ledalite for custom lengths (extended lead times may apply).

Continuous runs

Create an uninterrupted ribbon of light with continuous runs, specifiable to 1/8".

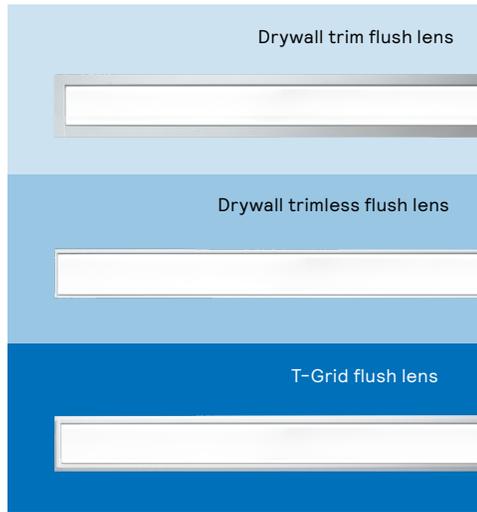
Patterns

Transition from wall to ceiling seamlessly creating unique patterns in the horizontal and vertical planes with the available 90° flat, inside, or outside corners. Contact Ledalite for other custom angles, intersections, and curved patterns (extended lead times may apply).

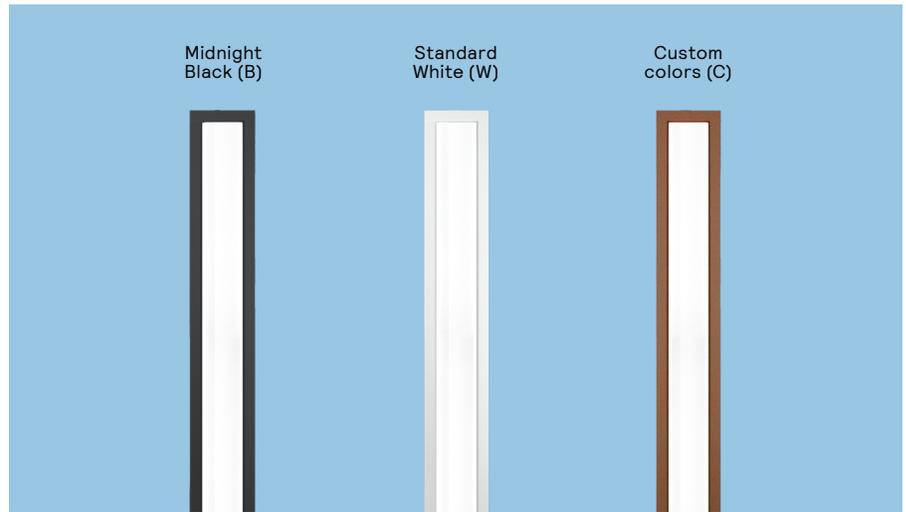


TruGroove recessed micro

Trims



Finishes

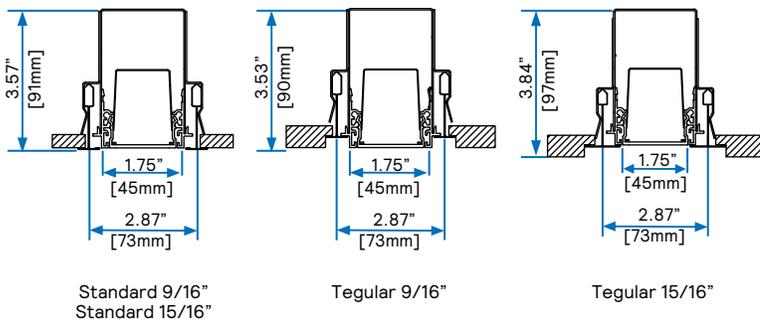


Note: Colors above are a representation, due to monitor calibration or printing process they may differ from luminaire powder coat finish.

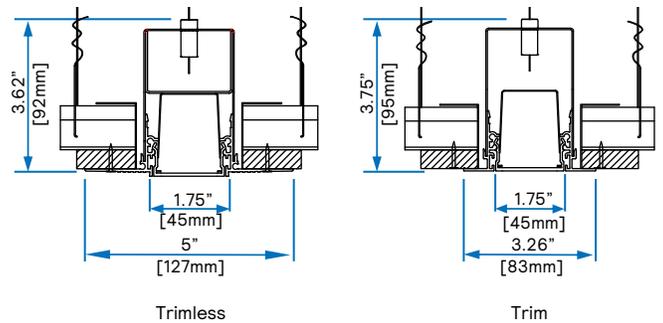
Dimensions

Cross Section View | TruGroove recessed micro with 1.75" aperture Flush MesoOptics, Silk or Black lenses, or louver cells in 7 distributions.

T-Grid (NEMA types G, NFG, NFSG, and SS)



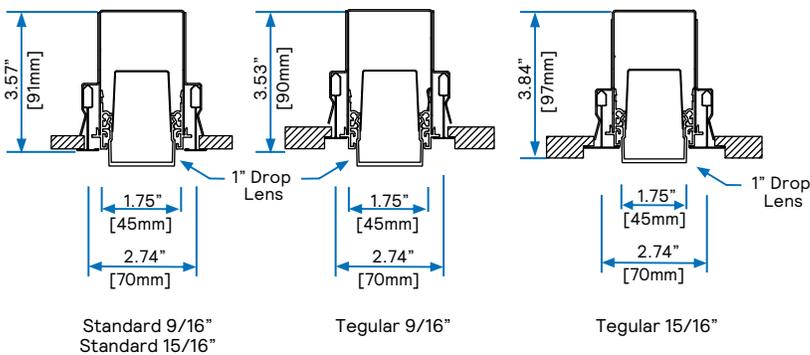
Drywall



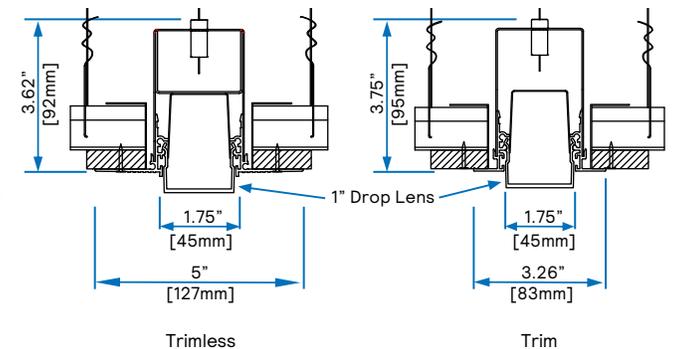
*Default 4ft aircraft cables for drywall models

Cross Section View | TruGroove recessed micro with 1.75" aperture Drop Silk lens.

T-Grid (NEMA types G, NFG, NFSG, and SS)



Drywall

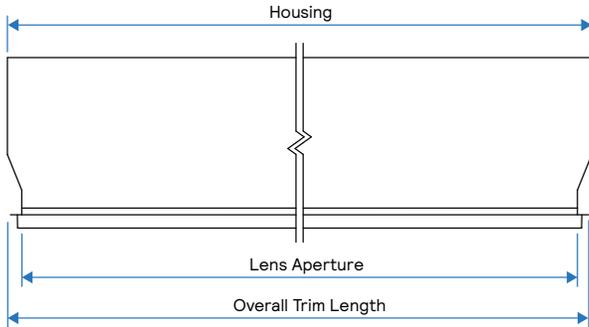


*Default 4ft aircraft cables for drywall models

TruGroove recessed micro

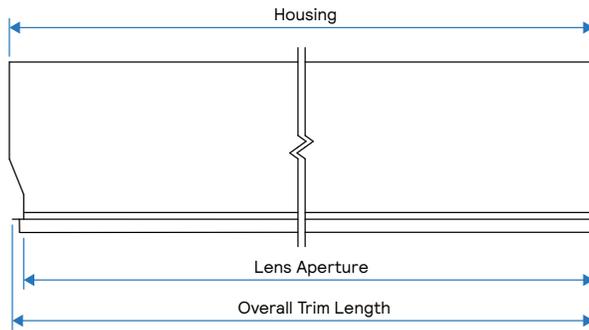
Side Views: T-Grid

Standalone



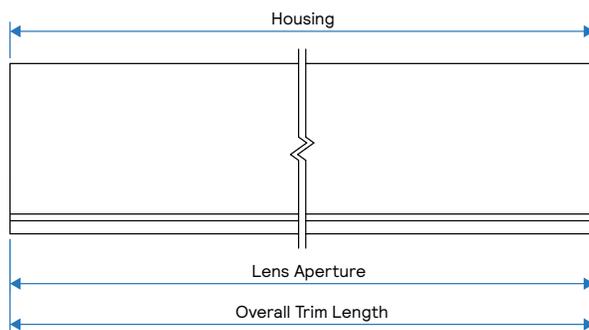
Nominal	Housing	Lens/Louver Aperture	Overall Trim Length (T-Grid)
2ft	24.0" [610mm]	23.0" [584mm]	23.8" [604mm]
3ft	36.0" [914mm]	35.0" [889mm]	35.8" [908mm]
4ft	48.0" [1219mm]	47.0" [1194mm]	47.8" [1213mm]
5ft	60.0" [1524mm]	59.0" [1499mm]	59.8" [1518mm]
6ft	72.0" [1829mm]	71.0" [1803mm]	71.8" [1823mm]
8ft	96.0" [2438mm]	95.0" [2413mm]	95.8" [2432mm]

Continuous run (End Run)



Nominal	Housing	Lens/Louver Aperture	Overall Trim Length (T-Grid)
2ft	24.0" [610mm]	23.5" [597mm]	23.9" [607mm]
3ft	36.0" [914mm]	35.5" [901mm]	35.9" [911mm]
4ft	48.0" [1219mm]	47.5" [1206mm]	47.9" [1216mm]
5ft	60.0" [1524mm]	59.5" [1511mm]	59.9" [1521mm]
6ft	72.0" [1829mm]	71.5" [1816mm]	71.9" [1826mm]
8ft	96.0" [2438mm]	95.5" [2425mm]	95.9" [2435mm]
Incremental	L	L-0.5" [L-13mm]	L-0.1" [L-3mm]

Continuous run (Mid Run)



Nominal	Housing	Lens/Louver Aperture & Overall Trim Length (T-Grid)*
2ft	24.0" [610mm]	24.0" [610mm]
3ft	36.0" [914mm]	36.0" [914mm]
4ft	48.0" [1219mm]	48.0" [1219mm]
5ft	60.0" [1524mm]	60.0" [1524mm]
6ft	72.0" [1829mm]	72.0" [1829mm]
8ft	96.0" [2438mm]	96.0" [2438mm]
Incremental	L	L

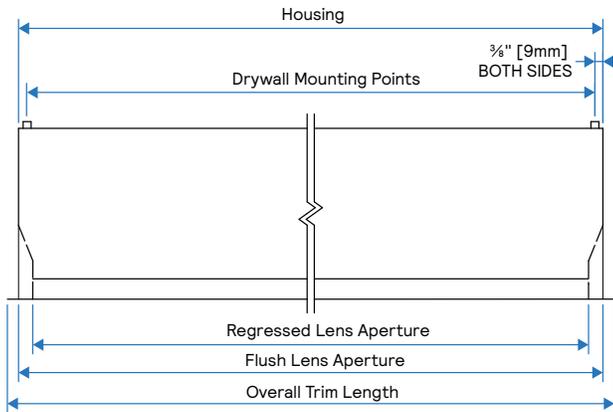
*Notes:

For all T-Grid luminaires, all lens types are the same length. For Continuous Run (Mid Run) luminaires, lens/louver and trim types are equal lengths. For Standalone T-Grid luminaires with louvers there will be blank plate at each end of the aperture.

TruGroove recessed micro

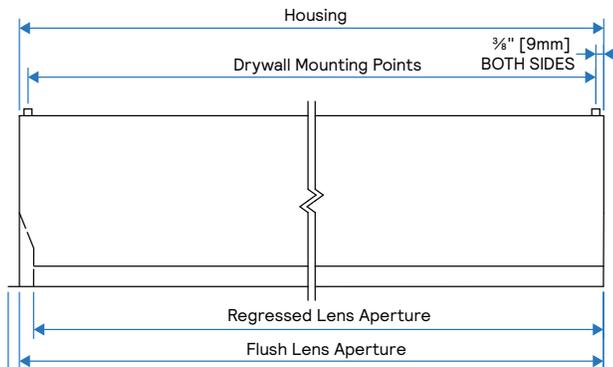
Side Views: Drywall

Standalone



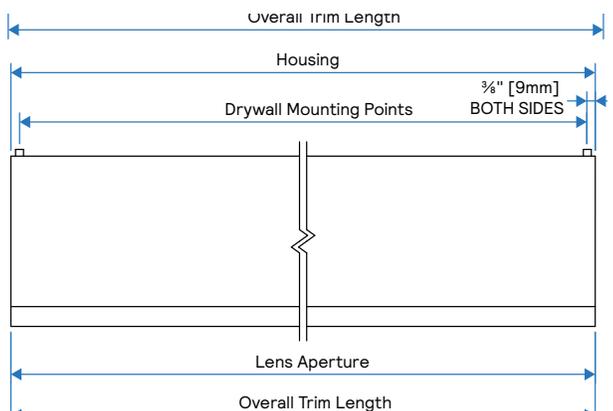
Nominal	Housing	Drywall Mounting Points	Lens/Louver Aperture		Overall Trim Length	
			Flush Lens	Drywall Trimless	Drywall Trim	
2ft	24.0" [610mm]	23.3" [593mm]	24.0" [610mm]	27.3" [693mm]	25.5" [648mm]	
3ft	36.0" [914mm]	35.3" [897mm]	36.0" [914mm]	39.3" [998mm]	37.5" [953mm]	
4ft	48.0" [1219mm]	47.3" [1202mm]	48.0" [1219mm]	51.3" [1303mm]	49.5" [1257mm]	
5ft	60.0" [1524mm]	59.3" [1507mm]	60.0" [1524mm]	63.3" [1608mm]	61.5" [1562mm]	
6ft	72.0" [1829mm]	71.3" [1812mm]	72.0" [1829mm]	75.3" [1913mm]	73.5" [1867mm]	
8ft	96.0" [2438mm]	95.3" [2421mm]	96.0" [2438mm]	99.3" [2522mm]	97.5" [2477mm]	

Continuous run (End Run)



Nominal	Housing	Drywall Mounting Points	Lens/Louver Aperture		Overall Trim Length	
			Flush Lens	Drywall Trimless	Drywall Trim	
2ft	24.0" [610mm]	23.3" [593mm]	24.0" [610mm]	25.7" [670mm]	24.8" [629mm]	
3ft	36.0" [914mm]	35.3" [897mm]	36.0" [914mm]	37.7" [975mm]	36.7" [933mm]	
4ft	48.0" [1219mm]	47.3" [1202mm]	48.0" [1219mm]	49.7" [1280mm]	48.7" [1238mm]	
5ft	60.0" [1524mm]	59.3" [1507mm]	60.0" [1524mm]	61.7" [1585mm]	60.7" [1543mm]	
6ft	72.0" [1829mm]	71.3" [1812mm]	72.0" [1829mm]	73.7" [1889mm]	72.8" [1848mm]	
8ft	96.0" [2438mm]	95.3" [2421mm]	96.0" [2438mm]	97.7" [2499mm]	96.7" [2457mm]	
Incremental	L	L-0.8" [L-20mm]	L-0.5" [L-13mm]	L+1.7" [L+43mm]	L+0.75" [L+19mm]	

Continuous run (Mid Run)

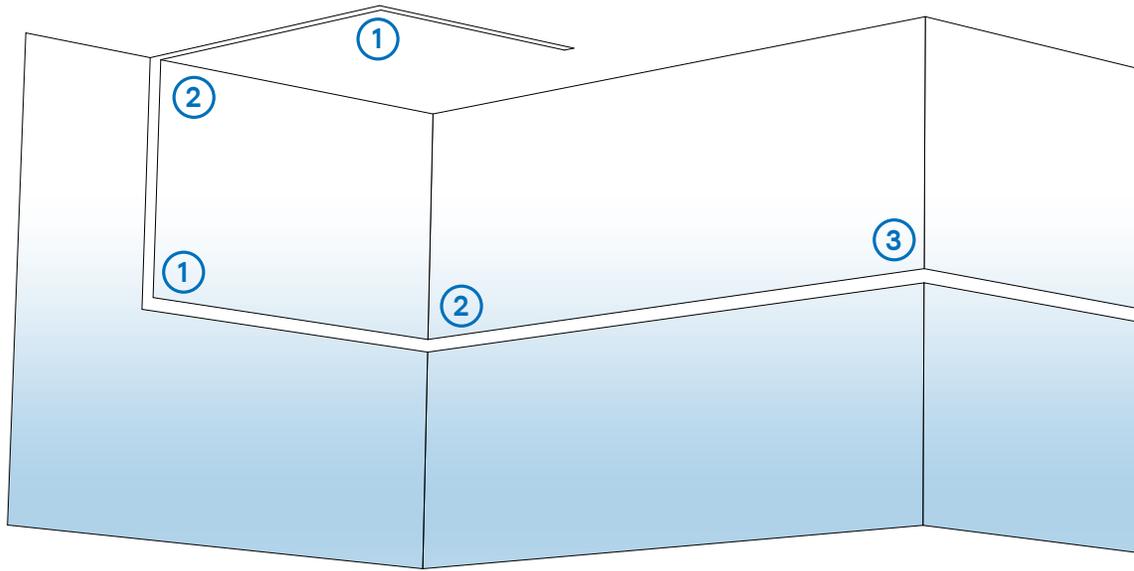


Nominal	Housing	Drywall Mounting Points	Lens/Louver Aperture & Overall Trim Length (Drywall)*
2ft	24.0" [610mm]	23.3" [593mm]	24.0" [610mm]
3ft	36.0" [914mm]	35.3" [897mm]	36.0" [914mm]
4ft	48.0" [1219mm]	47.3" [1202mm]	48.0" [1219mm]
5ft	60.0" [1524mm]	59.3" [1507mm]	60.0" [1524mm]
6ft	72.0" [1829mm]	71.3" [1812mm]	72.0" [1829mm]
8ft	96.0" [2438mm]	95.3" [2421mm]	96.0" [2438mm]
Incremental	L	L	L

*Notes: For Continuous Run (Mid Run) luminaires, all lens/louver and trim types are equal lengths.

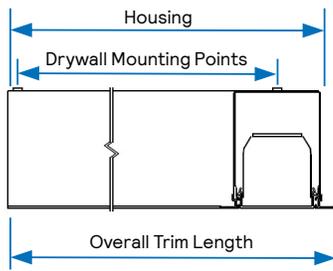
TruGroove recessed micro

Corners



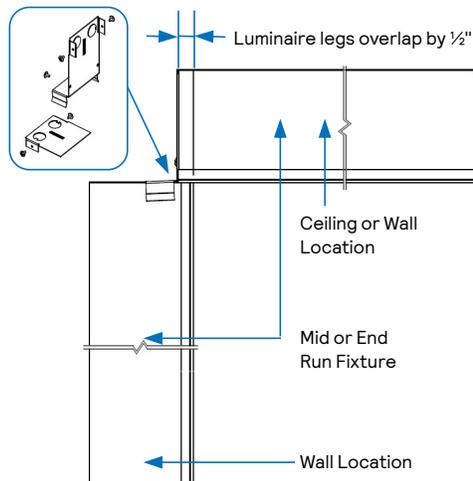
1. Flat Corner (90°)*

Flat corners can be used to create ceiling or wall recessed patterns. Available for drywall and inside or outside T-Grid patterns.



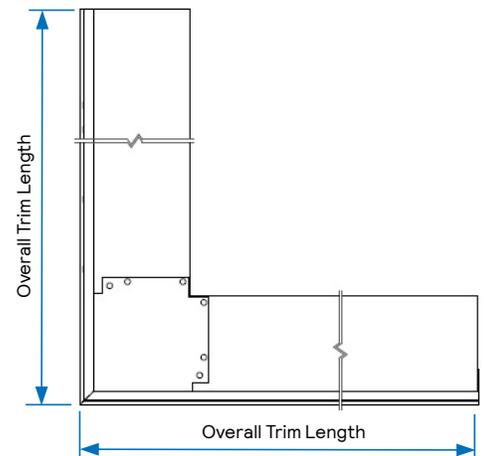
2. Inside Wall Corner (90° Bracket)*

Inside corners use a bracket kit to join two recessed luminaires together.



3. Outside Wall Corner (90°)*

Outside corners are used to create patterns around drywall corners.



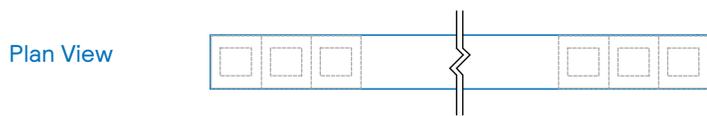
Corner Type	Housing	Drywall Mounting Points	Overall Trim Length		
			T-Grid	Drywall Trimless	Drywall Trim
A4 - Flat drywall corner	25.1" [637mm]	23.6" [599mm]	N/A	26.5" [673mm]	25.6" [651mm]
A1 - Inside T-Grid corner	23.1" [586mm]	N/A	23.3" [591mm]	N/A	N/A
AO - Outside T-Grid corner	27.2" [690mm]	N/A	27.3" [693mm]	N/A	N/A
K4 - Outside wall corner	26.8" [681mm]	N/A	N/A	26.8" [681mm]	N/A
OO - Inside wall corner	N/A	N/A	N/A	N/A	N/A

*Note: Standard TruGroove Recessed Micro Flat, Inside and Outside Corners are 90°. Please inquire about options for custom angles & intersections (extended lead times may apply).

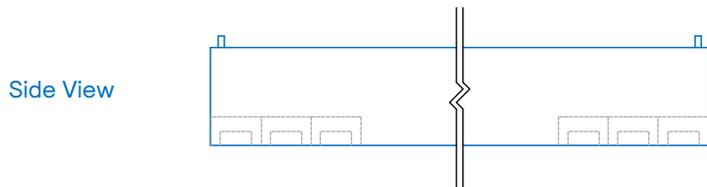
TruGroove recessed micro

Louvers

Modules

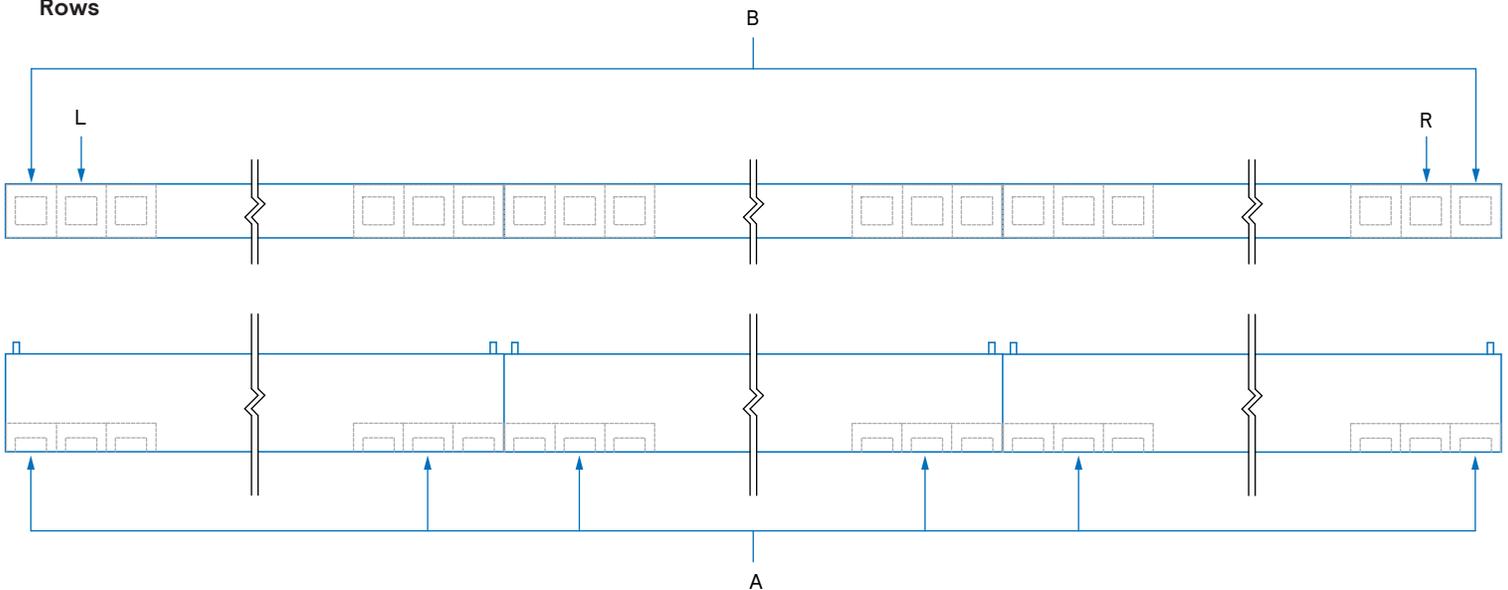


Louver Position L - Left (Start) R - Right (End)



Louver Length 6" Louver shown for reference

Rows



Louver Position Codes

- L Left (Start) of row or module
- R Right (End) of row or module
- B Both ends of row*
- A All module ends*
- F Full louvers in row or module

*Notes:

B - For **symmetric** optic louvers the row will ship with two "L" or "R" louver modules.
For **asymmetric** optic louvers the row will ship with one "L" and one "R" louver module.

A - All modules in a row will ship with a louver section at both ends.

TruGroove recessed micro

Specifications

Optical System

White light emitted from the LED sources is redirected by a precisely formed reflector and exits through the optical lens assembly. This assembly contains an acrylic extrusion profile retaining a layer of MesoOptic DX film, creating both an uninterrupted continuum of light and an optical batwing or asymmetric distribution from a 1.75" flush aperture.

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.

Housing

Die-formed 20 gauge cold-rolled steel. Multiple upper wire entrances available for continuous row mounting of fixtures.

Finish

Extruded aluminum trim and die-cast endplates coated with electrostatically applied and thermally cured polyester powder coat paint finish. Available in standard Matte White or Black. TruGroove recessed micro trim can also be specified in any custom color upon request for a one-time setup charge. Some optional sensors (such as Interact Pro) may be available in white or black and will be matched to fixture housing tone where possible, consult Ledalite to confirm sensor colour.

Mounting

T-Grid: Mounting brackets on housing sides support T-Grid installation in 9/16", 15/16" or slot T-Grid suspension systems (NEMA types G, NFG, NFSG, and SS).

Drywall (Ceiling mounted): Ceiling mounted luminaires are available with Drywall Trim or Trimless options. A 1/16" diameter aircraft cable with self-locking, tamper-resistant, miniature cable gripper provides vertical adjustment. The aircraft cable, crimp and gripper have been independently tested to meet stringent safety requirements.

Drywall (Wall mounted): Wall mounted luminaires are only available with the Drywall Trimless option. In a continuous wall to ceiling pattern with an inside corner the ceiling run can use a different trim option if required.

Joints

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

Weight

Maximum 2.8lbs/ft.

Electrical & Servicing

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. Optional armored cable flex whips are available in 6' lengths.

Drivers

Class 2 rated output. Lowest dimming level shown in brackets. Consult Ledalite for other available drivers or custom requests.

Static White 120-277V

- Advance Xitanium 0-10V (1%)
- Advance Xitanium DALI-2 D4i (1%)
- Advance Xitanium SR (Sensor Ready), DALI-2 D4i (1%, Dim-to-off, Fade-to-on)
- Advance Xitanium 0-10V + Aux (1%, Dim-to-off, Fade-to-on)
- Lutron EcoSystem LDE1 (<1%, Soft-on, Fade-to-Black)

Static White 347V

- Advance Xitanium 0-10V (1%)
- Advance Xitanium SR, DALI-2 D4i (1%) – Contact Factory

Tunable White 2-channel 120-277V

- Advance FlexTuone 2ch SR (Sensor Ready), DALI DT8 (1%, Dim-to-off, Fade-to-on)
- 0-10V 2ch (0.1%)
- DALI-2 DT8 2ch (0.1%)

Integral Battery Packs and GTDs

Bodine Battery Pack, 90 min, 10W, Class 2 rated output. Low profile test switch is easily accessible from below the ceiling.

Lumen output = 10W x luminaire efficacy x 1.1. Typical output ~1300lm.

Bodine GTD (generator transfer device) is for use with a generator or central inverter. Requires connection to an emergency source derived from a UL 1008 Listed transfer switch.

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 : $R_f \geq 90, R_{f,ht} \geq 89, R_g \geq 99, R_{cs,ht} \geq -5\%$

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

TruGroove recessed micro

Specifications (continued)

Approvals

Certified to UL, IES & CSA Standards.

City of Chicago Approved CCEA (housing option C).

Type IC Rated.

DLC Premium & Standard under DLC family **RRRXJT**.

DLC Note: Not all product variations listed on this spec sheet are DLC qualified. To ensure that a specific model is qualified, visit <https://qpl.designlights.org/qpl/solid-state-lighting>.

TruGroove is Declare label certified. More information on the TruGroove label can be found on <https://declare.living-future.org/> and through the Declare ID **SGY-0006**.

Select TruGroove recessed micro configurations contribute toward satisfying the following features under the WELL v2 Building Standard®:

L03: When specified with a Tunable White system.

L04: Glare management for configurations at <19 UGR and <16 UGR.

L07: Brightness management with batwing distributions allowing for even lighting within a space, while spacing the fixtures wider apart than typical recessed luminaire product.

L08: AccuRender CRI 90 standard LED boards with high performance Advance Xitanium drivers (or optional drivers) to manage color quality and flicker

L09: When specified with Interact or when tied to a 3rd party control system.

X07: Materials Transparency, with ingredients evaluated and disclosed through a Declare label, operated by the International Living Future Institute

Luminaires that include Interact 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 25±5°C (77±9°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 recessed micro

Controls Options*

Interact Radio Node for Standalone, Gateway and Gateway + IoT tiers (RA)

- RA is a connected radio node supporting wireless mesh connectivity.

Interact sensor for Standalone, Gateway and Gateway + IoT tiers (CS)

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor can operate in a standalone mode or in a gateway mode.
- Interact 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 UID8465/10 or UID8465/50 wireless dimmer switches, wireless dimmer switch, SWS200 wireless scene switch, wireless occupancy sensor (OCC0100A/02 BP Sensor WH) and wireless daylight /occupancy sensor (OCC0101A/02 DL BP Sensor WH).
- For more information on Interact visit: www.interact-lighting.com/en-us/what-is-possible/about-interact

Interact sensor bundles for Gateway + IoT 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 Bluetooth Low Energy (BLE) beacon.
- Compatible with UID8465/10 or UID8465/50 wireless dimmers switches, SWS200 wireless scene switch, wireless occupancy sensor (OCC0100A/02 BP Sensor WH) and wireless daylight/ occupancy sensor (OCC0101A/02 DL BP Sensor WH).
- 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

Tunable White & BioUp

- Tunable white and BioUp options are available with Interact wireless, Lutron Athena wireless or with 2ch 0-10V or DALI-2 (DT6 or DT8) wired drivers. Please inquire about options such as DMX control (extended lead times may apply).
- Signify tunable white solutions are designed to help maximize the influence of lighting on your daily life.
- Signify BioUp helps support daytime circadian rhythm for engagement during the day and good sleep quality at night.
- 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.

Controls Ordering Codes

Many 3rd party control solutions can be used separate of the luminaire when the correct driver is specified (i.e. 0-10V, DALI, EcoSystem). Consult Ledalite for other integral sensors, remote sensors, and custom requests such as those from Encelium, Wattstopper, or others.

Wireless & Connected Controls

- Interact RADIO only node (RA)
- Interact wireless day & occ. Connected Sensor (CS)
- Interact advanced wireless Sensor Bundle (SB)
- Lutron Athena Sensor AWNS (AS)
- Lutron Athena Node AWNR (AR)
- Lutron Vive Sensor VDO (VS)
- Lutron Vive Node VRF (VR)

Discrete Controls

- Basic Daylight and Occupancy (DO)

Interact Pro scalable sensor option codes across Genlyte product lines*

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

*TruGroove recessed micro is available with integral or remote mounted sensors. When remote mounted, please confirm recessed or surface sensor mounting. An SR driver option must be selected, extended lead times may apply.

TruGroove recessed micro

Functionalities overview

***Note:** TruGroove recessed micro is available with integral or remote mounted sensors. When remote mounted, please confirm recessed or surface sensor mounting. An SR driver option must be selected, extended lead times may apply.

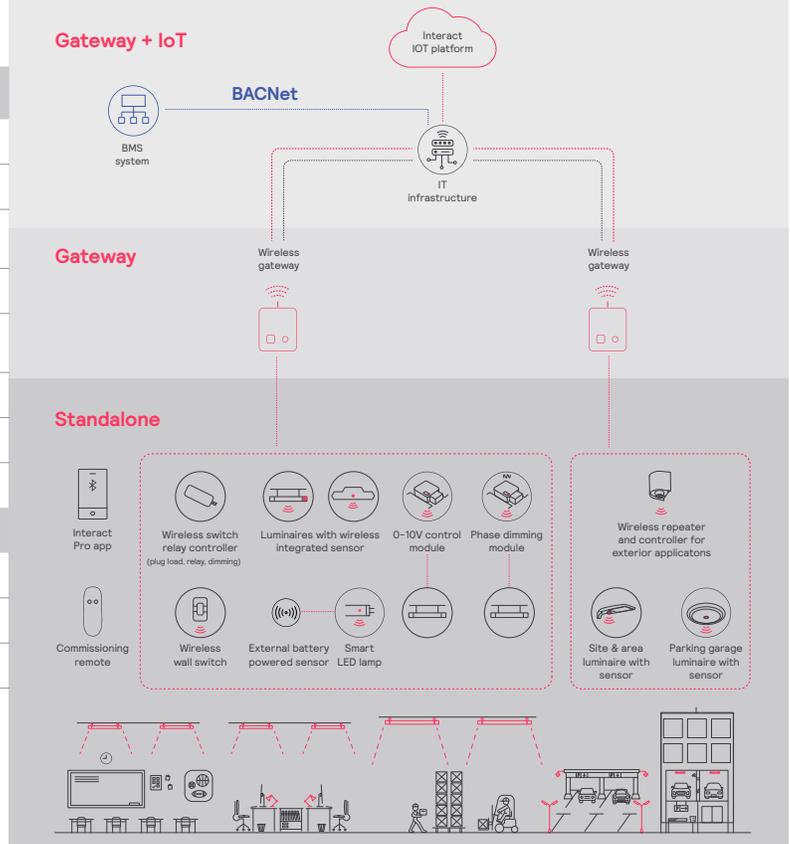
The three tiers of Interact			
	Standalone	Gateway	Gateway + IoT
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0-10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
New 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



TruGroove recessed micro

Colorimetry

TruGroove recessed micro (23xx) BioUp

Nominal CRI & CCT		CRI 90+, 2700K	CRI 90+, 3000K	CRI 80+, 3500K	CRI 80+, 4000K	CRI 80+, 5000K
CIE 013.3-1995 ¹	CRI R _a	94	91	88	86	82
	R ₉	62	70	75	76	70
	G _a	100	98	97	95	92
	C _g	94	95	96	96	95
IES TM-30-18 ²	R _f	92	90	87	84	82
	R _{f,h1}	91	90	88	86	83
	R _g	101	98	96	94	92
	R _{cs,h1}	-5%	-5%	-5%	-5%	-6%
MDER ³		0.44	0.59	0.72	0.82	0.97

TruGroove recessed micro (23x) AccuRender Tunable White

Nominal CRI & CCT		CRI 90+, 2700K	CRI 90+, 3000K	CRI 90+, 3500K	CRI 90+, 4000K	CRI 90+, 5000K	CRI 90+, 6500K
CIE 013.3-1995 ¹	CRI R _a	94	94	95	95	94	92
	R ₉	54	63	72	76	75	62
	G _a	98	100	100	100	98	95
	C _g	92	94	95	96	95	92
IES TM-30-18 ²	R _f	92	92	91	91	90	87
	R _{f,h1}	90	91	91	91	89	85
	R _g	99	100	100	99	99	96
	R _{cs,h1}	-6%	-5%	-4%	-4%	-5%	-6%
MDER ³		0.45	0.53	0.63	0.71	0.83	0.97

TruGroove recessed micro (23xx) 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,h1}	90	90	90	91	89
	R _g	100	100	99	100	100
	R _{cs,h1}	-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 recessed micro

Photometry

Direct (2301) Performance Symmetric Flush MesoOptic Lens

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 (W) ³	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	43.8	3,681	84.0	25.5	PDF	IES	3,824	87.3	25.7	PDF	IES	3,996	91.2	25.8	PDF	IES	4,006	91.5	25.8	PDF	IES	4,195	95.8	26.0	PDF	IES
3500	38.3	3,226	84.2	25.1	PDF	IES	3,351	87.5	25.2	PDF	IES	3,497	91.3	25.3	PDF	IES	3,510	91.6	25.4	PDF	IES	3,671	95.8	25.5	PDF	IES
3000	32.4	2,773	85.6	24.5	PDF	IES	2,881	88.9	24.7	PDF	IES	3,003	92.7	24.8	PDF	IES	3,016	93.1	24.8	PDF	IES	3,150	97.2	25.0	PDF	IES
2500	27.0	2,308	85.5	23.9	PDF	IES	2,397	88.8	24.0	PDF	IES	2,498	92.5	24.2	PDF	IES	2,509	92.9	24.2	PDF	IES	2,619	97.0	24.3	PDF	IES
2000	21.0	1,849	88.0	23.1	PDF	IES	1,919	91.4	23.3	PDF	IES	2,000	95.2	23.4	PDF	IES	2,006	95.5	23.4	PDF	IES	2,096	99.8	23.6	PDF	IES
1500	16.1	1,380	85.7	22.1	PDF	IES	1,431	88.9	22.2	PDF	IES	1,493	92.7	22.4	PDF	IES	1,494	92.8	22.4	PDF	IES	1,563	97.1	22.6	PDF	IES
1000	11.4	918	80.5	20.7	PDF	IES	952	83.5	20.8	PDF	IES	994	87.2	21.0	PDF	IES	991	86.9	21.0	PDF	IES	1,041	91.3	21.1	PDF	IES

Direct (2301) Performance Asymmetric Wall Wash Flush MesoOptic Lens

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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 (W) ³	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	43.8	3,621	82.7	25.3	PDF	IES	3,762	85.9	25.4	PDF	IES	3,930	89.7	25.5	PDF	IES	3,941	90.0	25.6	PDF	IES	4,127	94.2	25.7	PDF	IES
3500	38.3	3,173	82.8	24.8	PDF	IES	3,297	86.1	24.9	PDF	IES	3,440	89.8	25.1	PDF	IES	3,452	90.1	25.1	PDF	IES	3,611	94.3	25.3	PDF	IES
3000	32.4	2,728	84.2	24.3	PDF	IES	2,834	87.5	24.4	PDF	IES	2,954	91.2	24.6	PDF	IES	2,967	91.6	24.6	PDF	IES	3,099	95.6	24.7	PDF	IES
2500	27.0	2,270	84.1	23.6	PDF	IES	2,358	87.3	23.8	PDF	IES	2,457	91.0	23.9	PDF	IES	2,468	91.4	23.9	PDF	IES	2,576	95.4	24.1	PDF	IES
2000	21.0	1,819	86.6	22.9	PDF	IES	1,888	89.9	23.0	PDF	IES	1,968	93.7	23.1	PDF	IES	1,974	94.0	23.2	PDF	IES	2,061	98.1	23.3	PDF	IES
1500	16.1	1,357	84.3	21.9	PDF	IES	1,408	87.5	22.0	PDF	IES	1,469	91.2	22.1	PDF	IES	1,469	91.2	22.1	PDF	IES	1,537	95.5	22.3	PDF	IES
1000	11.4	903	79.2	20.4	PDF	IES	936	82.1	20.6	PDF	IES	978	85.8	20.7	PDF	IES	975	85.5	20.7	PDF	IES	1,024	89.8	20.9	PDF	IES

Direct (2301) Definition Symmetric Flush Silk Lens

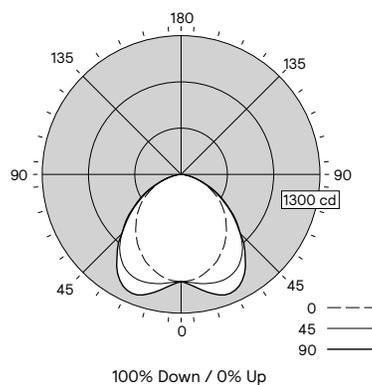
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Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts (W) ³	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) 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	39.9	3,691	92.5	26.3	PDF	IES	3,835	96.1	26.5	PDF	IES	4,003	100.3	26.6	PDF	IES	4,017	100.7	26.6	PDF	IES	4,202	105.3	26.8	PDF	IES
3500	34.4	3,231	93.9	25.9	PDF	IES	3,356	97.6	26.0	PDF	IES	3,500	101.7	26.2	PDF	IES	3,514	102.2	26.2	PDF	IES	3,672	106.7	26.3	PDF	IES
3000	29.4	2,776	94.4	25.3	PDF	IES	2,883	98.1	25.5	PDF	IES	3,005	102.2	25.6	PDF	IES	3,018	102.7	25.6	PDF	IES	3,151	107.2	25.8	PDF	IES
2500	24.6	2,311	93.9	24.7	PDF	IES	2,400	97.6	24.8	PDF	IES	2,500	101.6	25.0	PDF	IES	2,510	102.0	25.0	PDF	IES	2,620	106.5	25.1	PDF	IES
2000	19.2	1,855	96.6	23.9	PDF	IES	1,925	100.3	24.1	PDF	IES	2,007	104.5	24.2	PDF	IES	2,011	104.7	24.2	PDF	IES	2,102	109.5	24.4	PDF	IES
1500	14.8	1,390	93.9	22.9	PDF	IES	1,442	97.4	23.1	PDF	IES	1,504	101.6	23.2	PDF	IES	1,504	101.6	23.2	PDF	IES	1,575	106.4	23.4	PDF	IES
1000	10.5	917	87.3	21.5	PDF	IES	950	90.5	21.6	PDF	IES	993	94.6	21.8	PDF	IES	989	94.2	21.8	PDF	IES	1,039	99.0	21.9	PDF	IES

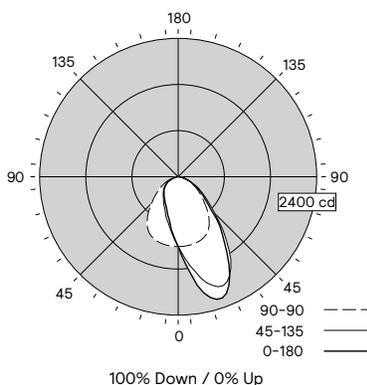
- 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. Photometry should be scaled for luminaire configurations other than 4ft. Luminaires with finishes other than standard white may result in a drop in flux and efficacy.
- Unified Glare Ratio (UGR) is calculated in accordance 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.

- Input power stated at 3500K.
- IES files can be downloaded by clicking the links in the table above, or online at www.ledalite.com. TruGroove recessed luminaire IES files are provided as 4ft sections. Note, BioUp & Tunable white IES files provided at 2700K.
- BioUp & Tunable White, stated with Advance FlexTune SR driver & Interact scalable wireless sensor, Static White stated with Advance Xitanium 0-10V driver, data may vary with other drivers.

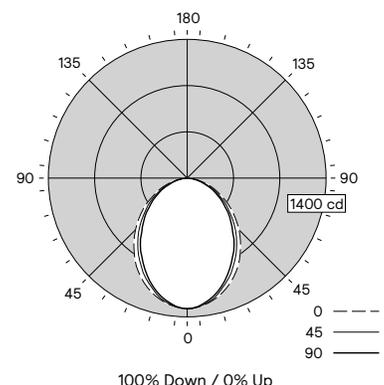
Performance Symmetric Batwing Flush MesoOptics Lens
Spacing Criteria: 1.18/1.52



Performance Symmetric Wall Wash Flush MesoOptics Lens
Spacing Criteria: 1.26/1.56



Definition Symmetric Flush Silk Lens
Spacing Criteria: 1.17/1.06



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

TruGroove recessed micro

Photometry

Direct (2301) Performance 61° Symmetric Batwing w/ MesoOptics louver

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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 (W) ³	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	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	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	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	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	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	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	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 (2301) Performance 63° Stack Beam w/ MesoOptics louver

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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 (W) ³	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	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	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	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	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	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	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	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 (2301) Performance 20° Asymmetric Wall Wash w/ MesoOptics louver

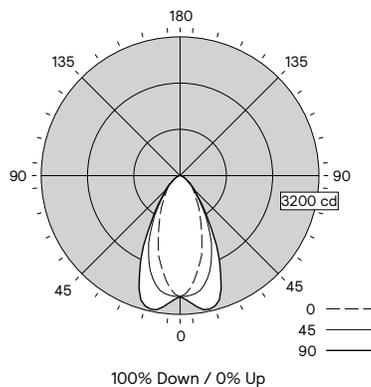
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Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts (W) ³	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) 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	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	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	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	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	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	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	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

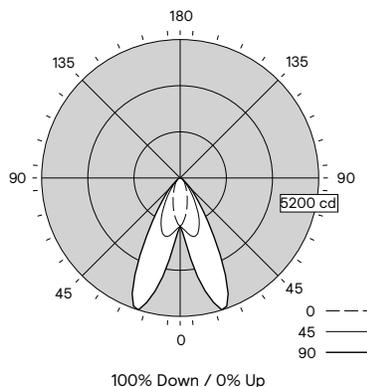
- 4ft Luminaire photometry has been conducted in accordance with IES LM-79-08. Photometry should be scaled for luminaire configurations other than 4ft. Luminaires with finishes other than standard white may result in a drop in flux and efficacy.
- Unified Glare Ratio (UGR) is calculated in accordance 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.

- Input power stated at 3500K.
- IES files can be downloaded by clicking the links in the table above, or online at www.ledalite.com. TruGroove recessed luminaire IES files are provided as 4ft sections. Note, BioUp & Tunable white IES files provided at 2700K.
- BioUp & Tunable White, stated with Advance FlexTune SR driver & Interact scalable wireless sensor, Static White stated with Advance Xitanium 0-10V driver, data may vary with other drivers.

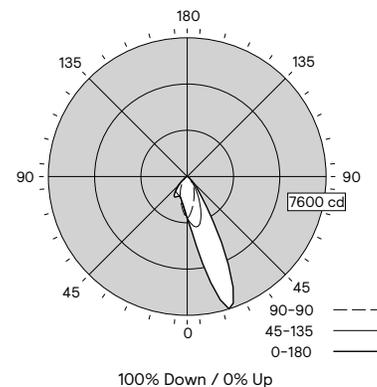
Performance 61° Symmetric Batwing MesoOptics louver
Spacing Criteria: 0.65/1.00



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 recessed micro

Photometry

Direct (2301) Performance 48° Medium Beam w/ MesoOptics louver

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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 (W) ³	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	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	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	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	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	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	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	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 (2301) Performance 27° Narrow Beam w/ MesoOptic louver

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 (W) ³	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	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	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	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	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	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	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	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

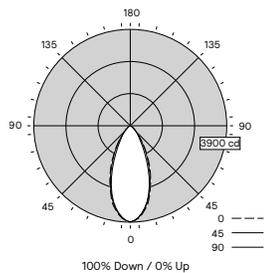
Direct (2301) Performance 17° Graze Beam w/ MesoOptic louver

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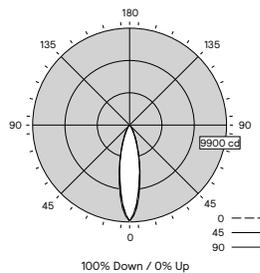
Nominal CRI & CCT		CRI 90, 2700K					CRI 90, 3000K					CRI 90, 3500K					CRI 90, 4000K					CRI 90, 5000K				
Nominal Lumen Package (lm/4ft)	Watts (W) ³	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm/4ft) ¹	Efficacy (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	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	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	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	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	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	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	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

- 1ft Luminaire photometry has been conducted in accordance with IES LM-79-08. Photometry should be scaled for luminaire configurations other than 4ft. 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.
- Input power stated at 3500K.
- IES files can be downloaded by clicking the links in the table above, or online at www.ledalite.com. TruGroove recessed luminaire IES files are provided as 4ft sections. Note, BioUp & Tunable white IES files provided at 2700K.
- BioUp & Tunable White, stated with Advance FlexTune SR driver & Interact scalable wireless sensor, Static White stated with Advance Xitanium 0-10V driver, data may vary with other drivers.

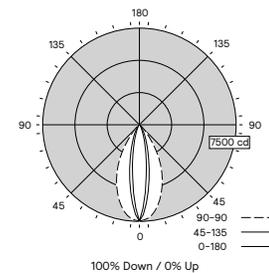
Performance Symmetric 48° Medium Beam MesoOptics louver Spacing Criteria: 0.75/0.70



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.