

Shine Duo is the next generation of excellence in Architectural Recessed luminaires with two choices for optics: the high performance MesoOptics lens or the value driven Silk lens.

Shine Duo includes AccuRender technology for the highest color quality at the highest efficacy.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Line ID: _____ Qty: _____

Notes: _____

Ordering guide

quickship options

Tunable White options

Example: SH24D1STL93545Q1DSNCS

Family	Size	Version	Configuration	Source	CRI/CCT ^{1,3}	Lumens ^{1,3}	Optics	Wiring ^{2,7}
SH			ST	L				
SH Shine Duo	22 2'x2' 14 1'x4'	D1 Standard & Slot T-Grid C1 Standard & Slot T-Grid + Chicago Plenum	ST Standalone	L LED	940 CRI 90, 4000K	50 5000lm	A Silk - Lambertian Q MesoOptics - Batwing Other options may be ordered in increments of 100lm between 2000lm and 5000lm or 4000lm and 8000lm (not available for QuickShip)	1 1 Circuit B 1 Circuit + Battery Pack G 1 Circuit + GTD 120V H 1 Circuit + GTD 277V
					935 CRI 90, 3500K	45 4500lm		
					930 CRI 90, 3000K	40 4000lm		
						35 3500lm		
						30 3000lm		
	24 2'x4'					927 CRI 90, 2700K	25 2500lm	
							20 2000lm	
							80 8000lm	
							75 7500lm	
							70 7000lm	
					65 6500lm			
					60 6000lm			
					55 5500lm			
					50 5000lm			
					45 4500lm			
					40 4000lm			
					9T2 CRI 90, 2700-6500K 2ch Tunable White			
Voltage ⁴		Driver (Dim %)		Option		Integral Sensors & Control System ⁵		
D UNV 120-277V 3 347V	E Advance Xitanium 0-10V (1%)			N None		Leave blank		
	D Advance Xitanium DALI-2 D4i (1%)			P Pre-Installed Flex Whip (6', 6C)				
	H Lutron EcoSystem LDE1 (<1%, FtB)							
D UNV 120-277V	S Advance Xitanium SR, DALI-2 D4i (1%, Dim-to-off, Fade-to-on)					CS Interact Sensor (Day/Occ) RA Interact Radio Node SB Interact Enterprise Sensor Bundle (Day/Occ + IoT) AS Lutron Athena Sensor AWNS (Day/Occ) AR Lutron Athena Radio Node AWRN VS Lutron Vibe Sensor VDO (Day/Occ) VR Lutron Vibe Radio Node VRF		
D UNV 120-277V	A Advance Xitanium 0-10V + Aux (1%, Dim-to-off, Fade-to-on)					DO Basic Daylight and Occupancy AS Lutron Athena Sensor AWNS (Day/Occ) AR Lutron Athena Radio Node AWRN		
D UNV 120-277V	F Advance FlexTune 2ch SR, DALI DT8 (1%, Dim-to-off, Fade-to-on)					CS Interact Sensor (Day/Occ) RA Interact Radio Node SB Interact Enterprise Sensor Bundle (Day/Occ + IoT) AS Lutron Athena Sensor AWNS (Day/Occ) AR Lutron Athena Radio Node AWRN		
	2 0-10V 2ch (0.1%)					AS Lutron Athena Sensor AWNS (Day/Occ) AR Lutron Athena Radio Node AWRN		

- 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.
- Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.
- Tunable White available with Advance FlexTune 2ch SR and 0-10V 2ch drivers. Consult factory for alternatives such as DALI DT6 or DMX (extended lead times may apply). Tunable White max lumen package is 5000lm.

- 347V only available with E - Advance Xitanium 0-10V (1%) driver option
- Interact options may require an IRT9015 Interact commissioning remote or other separate controls hardware by Signify.
- Other options not shown here may also be possible via a custom request, please consult factory. Extended lead times and minimum order quantities may apply.
- GTD is only available with E, D, or H driver options with either a 120V or 277V connection.

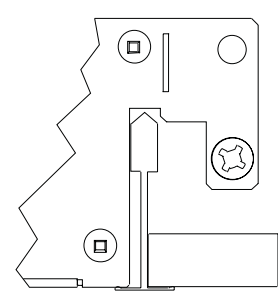
Note: Due to continuing product improvements, Ledalite reserves the right to change the specifications without notice.

Shine Duo Architectural Recessed

Mounting details

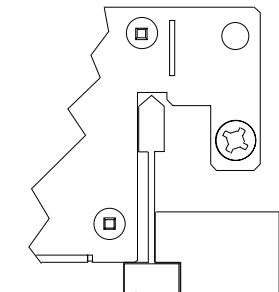
Standard T-Grid

Integrates with most common T-Grid types. Works with 9/16" & 15/16" flat T-Grid ceilings.



Slot T-Grid

Can be used with slot T-Grid ceilings. For 9/16" slot T-Grid ceilings, fixture will sit 5/16" above bottom of T-Bar.



Drywall Trim Mounting Frame

The Ledalite drywall trim mounting frame assembly is designed to permit use of grid (NEMA G) fixtures in drywall or ceilings requiring flanges. Mounting frame is ordered separately and compatible with standalone recessed product. Frame can be installed directly to a solid frame (such as wood) or via hanger wires. Finish is white.

Extruded aluminum construction with mitered corners. Includes screws for complete assembly. Available in 2'x2', 2'x4' and 1'x4' sizes.

Drywall Frame Ordering Code	Size
300DK02	1'x4'
300DK03	2'x2'
300DK04	2'x4'

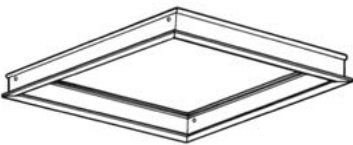
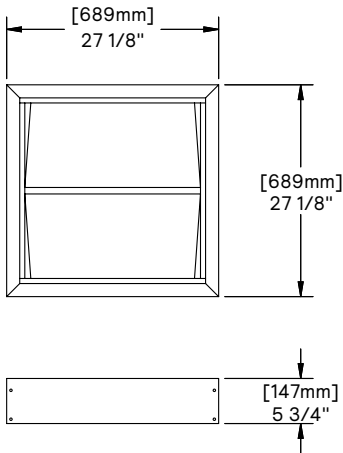
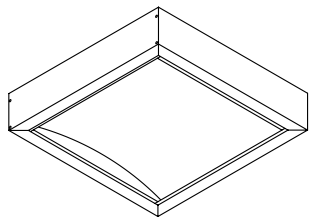
More information available [here](#).

Duo Surface Mount Frame

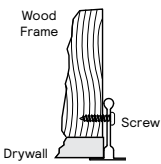
The Ledalite Duo Surface Mount Frame is designed to universally allow all standard versions of Duo Recessed Luminaires, including those with Battery Pack, GTD, and Sensor options, to be Surface Mounted. Frame is ordered separately. Finish is white.

Made from painted and formed sheet metal with mitered corners. Includes screws for complete assembly. Available in 2'x2', 2'x4', and 1'x4' sizes

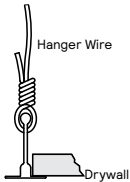
Surface Mount Ordering Code	Size
300SM14W	1'x4'
300SM22W	2'x2'
300SM24W	2'x4'



Wood Frame Hanger Wire



Wood frame and screws supplied by others.

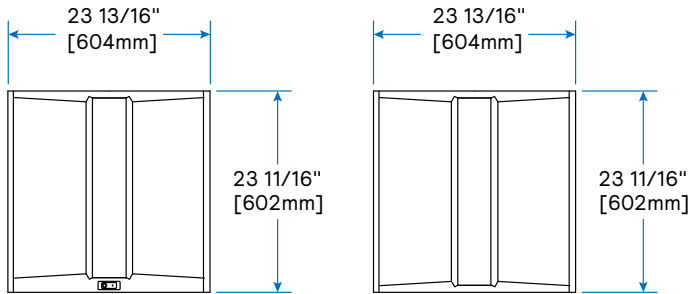


Hanger wires supplied by others.

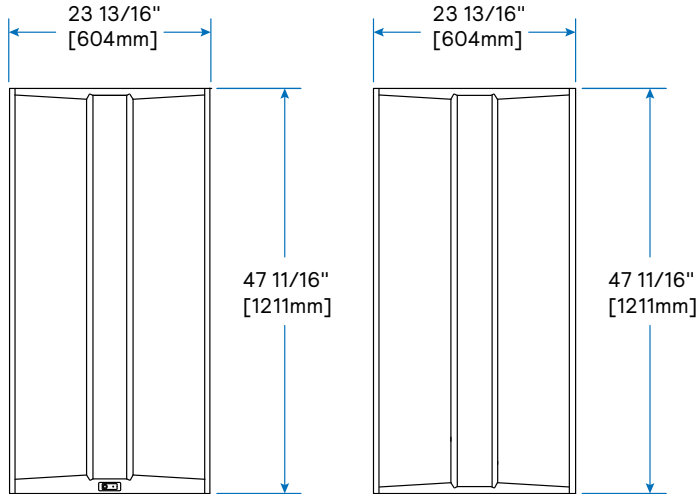
Shine Duo Architectural Recessed

Dimensions

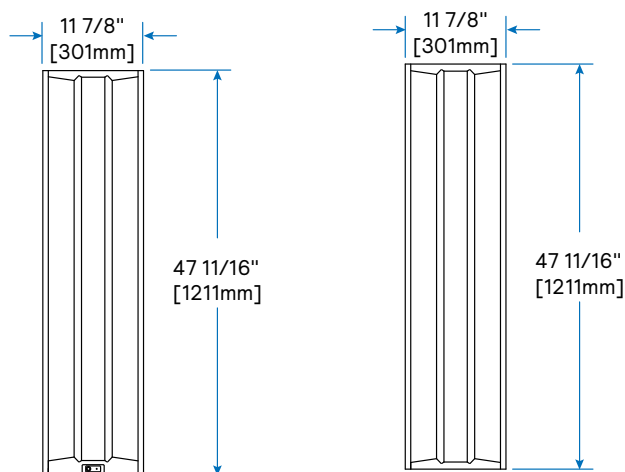
2'x2' lens view, with and without Interact sensor*



2'x4' lens view, with and without Interact sensor*

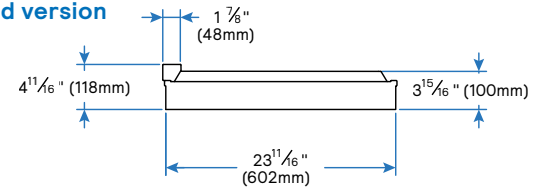


1'x4' lens view, with and without Interact sensor*

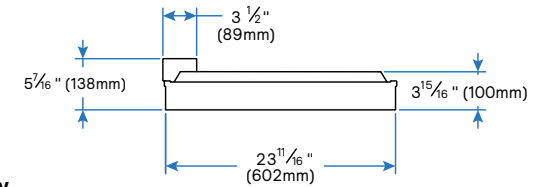


End view

Standard version

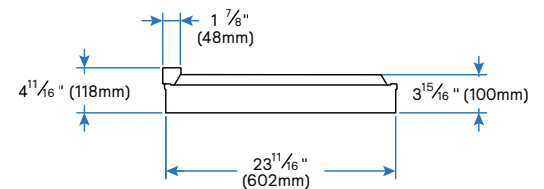


Battery Pack and GTD version

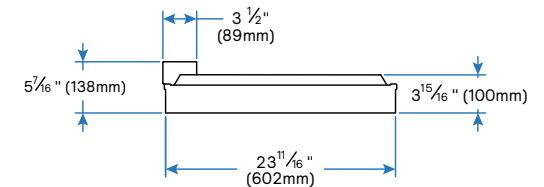


End view

Standard version

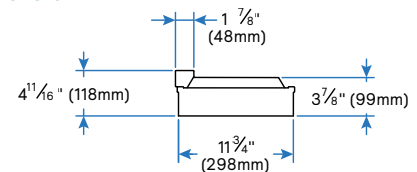


Battery Pack and GTD version

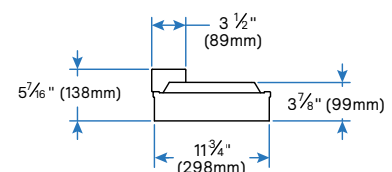


End view

Standard version



Battery Pack and GTD version



*All other sensors such as Lutron Athena or Vive have the same placement.

Shine Duo Architectural Recessed

Specifications

Optical System

MesoOptics – Batwing: A layer of precision MesoOptics film creates a batwing distribution resulting in a flawless uniform surface while allowing for higher on-center spacing, promoting even lighting on the workplane and reduced glare, resulting in the need for less luminaires than typical troffer applications and providing superior user comfort in spaces.

Silk – Lambertian: A diffuse white acrylic lens delivers a flawlessly uniform luminous surface with a light distribution typical of troffer type lighting applications.

Housing

Product is compatible with NEMA Type G, NFG, NFSG, and SS. Sides and center spine: precision aluminum extrusion; end caps, back housing and driver cover: die-formed, cold-rolled steel, pre and post painted.

Finish

Extruded aluminum trim and formed steel coated with an electrostatically applied, thermally cured polyester powder coat sandtex white finish. Driver box is galvanized.

Mounting

Compatible with 15/16" lay-in acoustical ceilings using exposed grid suspension (NEMA type G). For 9/16" slot T-grid ceilings, fixture will sit 5/16" above bottom of Tee. Optional drywall kit trim mount can be fastened to a wood frame or with hangar wire.

Weight

Size	Typical	Maximum
2'x2'	13 lbs.	15 lbs.
2'x4'	21 lbs.	24 lbs.
1'x4'	14 lbs.	17 lbs.

Electrical & Servicing

Drivers are easily field replaceable from above the ceiling with the unique Duo driver box design. Wire knock-outs available on both ends of the driver box for field-installable mains and dimming thru-wiring across multiple fixtures. Optional armored 6-conductor cable flex whips are available in 6' lengths (option code P).

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.

Battery pack lumen output = 10W x luminaire efficacy x 1.1. Typical output: 1600lm.

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-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11: L_{70} (17K) > 102,000 hrs (Reported methodology).

The below calculated lifetime represents estimations commonly used. PS-10-18: IES Position on LED Product Lifetime Prediction, explains proper use of IES TM-21 and LM-80.

L_{70} > 215,000 hrs (Calculated).

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 : $R_f \geq 89$, $R_{f,h1} \geq 88$, $R_g \geq 97$, $R_{cs,h1} \geq -6\%$

SPD and TM-30-18 reports available upon request

Fixture to fixture color accuracy within 3 SDCM

Approvals

Certified to UL, CSA, & IES standards.

City of Chicago Approved CCEA (Version C1).

Type IC Rated.

Shine Duo will be Declare label certified in 2026 upon official launch.

DLC v6.0 expected 2026 per DLC's new v6.0 standard timeline.

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 20 min. 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

Standard five-year luminaire limited warranty including LED light engine and driver. Warranties up to 10 years are available upon special request. Visit www.signify.com/warranties under "Indoor Professional Luminaires" for more information.

QuickShip

10-day QuickShip available for thousands of configurations when requested at ordering time. This service is offered at no additional charge. Total quantity limits apply. More information available [here](#).

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Specifications (continued)

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 DT6 2ch (0.1%) – Contact Factory
- DALI-2 DT8 2ch (0.1%) – Contact Factory

WELL v2 Building Standard

Shine Duo luminaires contribute towards 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 via the Declare label, operated by the International Living Future Institute.

Controls

Detailed specification of controls can be found on the following pages of this spec sheet. Ordering codes shown in brackets. 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 Enlighted, Encelium, Wattstopper, or others.

Wireless & Connected Controls

- Interact Pro Radio Node (RA)
- Interact Pro Connected Sensor (CS)
- Interact Pro Enterprise 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)

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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 options are available with Interact wireless, Lutron Athena wireless, and 2ch 0-10V wired drivers. Please inquire about BioUp options and driver options such as DALI-2 DT6 or 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.

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	-	-

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Functionalities overview

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

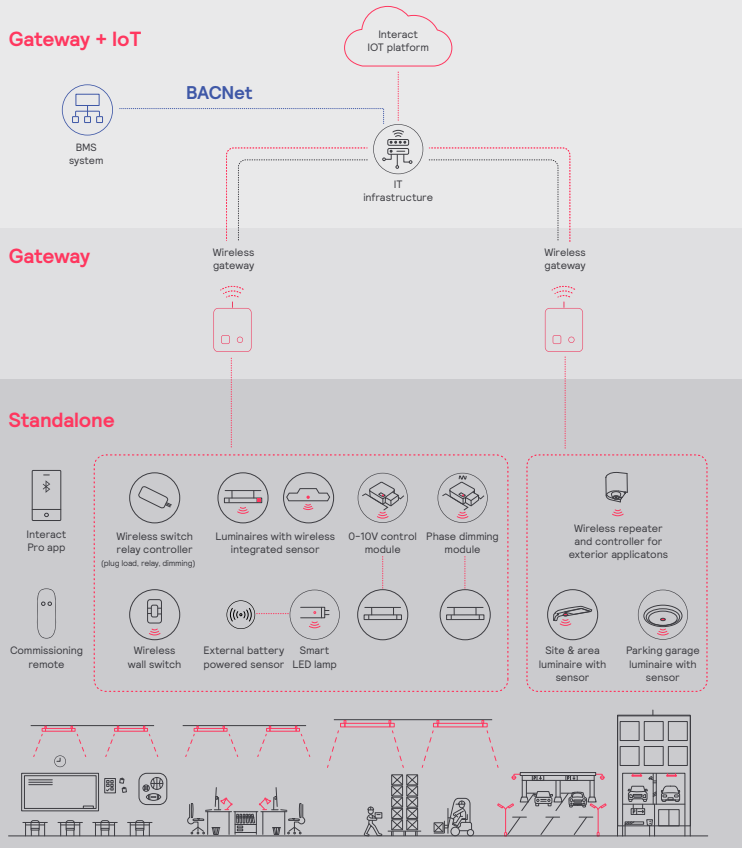
Currently supported maximum system size

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

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

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

Gateway + IoT



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Colorimetry

Shine Duo – 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	93	93	97	93	94
	R ₉	54	61	82	66	89
	G _a	97	97	100	97	98
	C ₉	92	93	97	94	98
IES TM-30-18 ²	R _f	89	90	91	88	88
	R _{f,h1}	87	89	92	88	89
	R _g	97	98	99	97	97
	R _{cs, h1}	-6%	-6%	-4%	-6%	-4%
MDER ³		0.40	0.51	0.59	0.67	0.86

Shine Duo – 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	93	94	95	95	94	92
	R ₉	58	67	77	83	84	72
	G _a	98	99	100	100	98	95
	C ₉	93	94	96	97	97	94
IES TM-30-18 ²	R _f	90	90	90	89	89	87
	R _{f,h1}	89	90	90	90	89	86
	R _g	98	99	99	98	98	95
	R _{cs, h1}	-6%	-5%	-4%	-4%	-4%	-6%
MDER ³		0.44	0.52	0.63	0.71	0.84	0.99

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.

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Photometry

Shine Duo 2'x2' Silk (Lambertian)

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						CRI 90+, 6500K					
Lumen Package		Watts (W)	Flux (lm) ¹		Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹		Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹		Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹		Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹		Efficacy (LPW)	UGR ²	Photometry Report	IES File						
Static White	5000	43	4813	113	21	PDF	IES	4827	113	21	PDF	IES	5000	117	21	PDF	IES	5132	120	21	PDF	IES	5086	119	21	PDF	IES											
	4500	38	4328	114	21	PDF	IES	4342	114	21	PDF	IES	4501	118	21	PDF	IES	4616	122	21	PDF	IES	4574	120	21	PDF	IES											
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	3000	25	2874	117	19	PDF	IES	2890	118	19	PDF	IES	3001	122	19	PDF	IES	3070	125	19	PDF	IES	3039	124	19	PDF	IES											
	2500	20	2393	119	19	PDF	IES	2408	119	19	PDF	IES	2503	124	19	PDF	IES	2558	127	19	PDF	IES	2531	125	19	PDF	IES											
	2000	16	1912	120	18	PDF	IES	1926	120	18	PDF	IES	2003	125	18	PDF	IES	2046	128	18	PDF	IES	2024	127	18	PDF	IES											
Tunable White	5000	51	4999	96	21	PDF	IES	4999	96	21	PDF	IES	4999	97	21	PDF	IES	4999	97	21	PDF	IES	4999	98	21	PDF	IES	4999	99	21	PDF	IES	4999	99	21	PDF	IES	
	4500	45	4498	99	21	PDF	IES	4498	99	21	PDF	IES	4498	100	21	PDF	IES	4498	100	21	PDF	IES	4498	101	21	PDF	IES	4498	102	21	PDF	IES	4498	102	21	PDF	IES	
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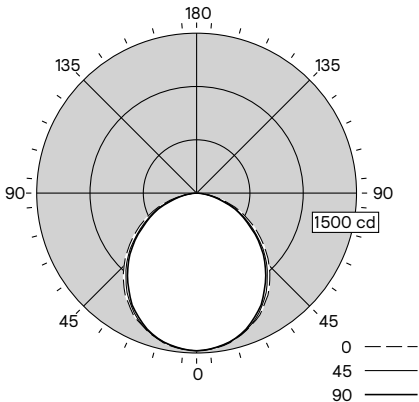
Shine Duo 2'x2' MesoOptics (Batwing)

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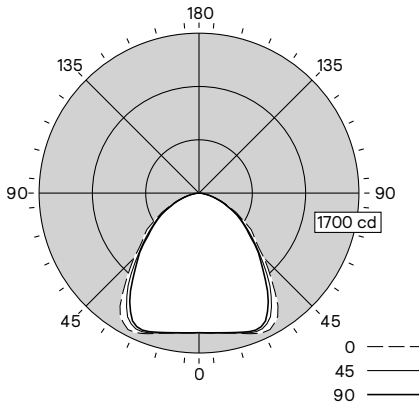
Nominal CRI & CCT			CRI 90+, 2700K						CRI 90+, 3000K						CRI 90+, 3500K						CRI 90+, 4000K						CRI 90+, 5000K						CRI 90+, 6500K					
Lumen Package		Watts (W)	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File						
Static White	5000	44	4814	111	19	PDF	IES	4828	111	19	PDF	IES	5000	115	19	PDF	IES	5133	118	19	PDF	IES	5088	117	19	PDF	IES											
	4500	39	4327	112	19	PDF	IES	4341	113	19	PDF	IES	4500	117	19	PDF	IES	4615	120	19	PDF	IES	4573	119	19	PDF	IES											
	4000	34	3843	113	18	PDF	IES	3858	114	18	PDF	IES	4002	118	18	PDF	IES	4101	121	19	PDF	IES	4062	120	19	PDF	IES											
	3500	29	3359	115	18	PDF	IES	3375	115	18	PDF	IES	3503	120	18	PDF	IES	3586	122	18	PDF	IES	3551	121	18	PDF	IES											
	3000	25	2875	115	17	PDF	IES	2891	116	17	PDF	IES	3002	120	17	PDF	IES	3071	123	18	PDF	IES	3040	122	18	PDF	IES											
	2500	21	2391	117	17	PDF	IES	2406	117	17	PDF	IES	2500	122	17	PDF	IES	2556	125	17	PDF	IES	2529	123	17	PDF	IES											
	2000	16	1912	117	16	PDF	IES	1926	118	16	PDF	IES	2002	123	16	PDF	IES	2046	126	16	PDF	IES	2023	124	16	PDF	IES											
Tunable White	5000	52	5000	94	19	PDF	IES	5000	95	19	PDF	IES	5000	95	19	PDF	IES	5000	96	19	PDF	IES	5000	96	19	PDF	IES	5000	98	19	PDF	IES						
	4500	46	4499	97	19	PDF	IES	4499	98	19	PDF	IES	4499	98	19	PDF	IES	4499	99	19	PDF	IES	4499	99	19	PDF	IES	4499	100	19	PDF	IES						
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	3000	28	3002	105	17	PDF	IES	3002	105	17	PDF	IES	3002	106	17	PDF	IES	3002	106	17	PDF	IES	3002	107	17	PDF	IES	3002	108	17	PDF	IES						
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	2000	18	2000	108	16	PDF	IES	2000	108	16	PDF	IES	2000	108	16	PDF	IES	2000	109	16	PDF	IES	2000	109	16	PDF	IES	2000	110	16	PDF	IES						

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Silk (Lambertian)



MesoOptics (Batwing)



Shine Duo Architectural Recessed

Photometry

Shine Duo 2'x4' Silk (Lambertian)

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Nominal CRI & CCT			CRI 90+, 2700K						CRI 90+, 3000K						CRI 90+, 3500K						CRI 90+, 4000K						CRI 90+, 5000K						CRI 90+, 6500K					
Lumen Package		Watts (W)	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File						
Static White	8000	67	7614	113	20	PDF	IES	7850	117	20	PDF	IES	8002	119	20	PDF	IES	8244	123	20	PDF	IES	8000	119	20	PDF	IES											
	7500	62	7138	115	20	PDF	IES	7356	118	20	PDF	IES	7499	120	20	PDF	IES	7727	124	20	PDF	IES	7497	120	20	PDF	IES											
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	5500	45	5245	118	19	PDF	IES	5392	121	19	PDF	IES	5501	124	19	PDF	IES	5668	127	19	PDF	IES	5499	124	19	PDF	IES											
	5000	41	4772	118	18	PDF	IES	4902	121	18	PDF	IES	5002	124	18	PDF	IES	5155	127	19	PDF	IES	5001	124	18	PDF	IES											
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Tunable White	5000	46	5000	109	18	PDF	IES	5000	109	18	PDF	IES	5000	109	18	PDF	IES	5000	110	18	PDF	IES	5000	111	18	PDF	IES	5000	112	18	PDF	IES						
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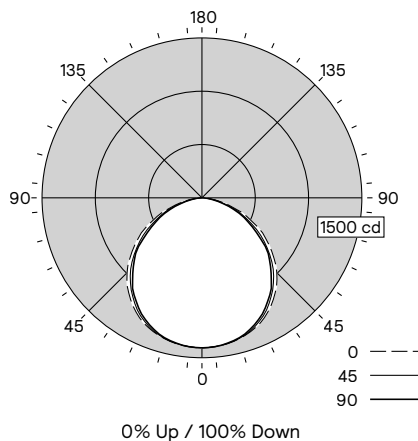
Shine Duo 2'x4' MesoOptics (Batwing)

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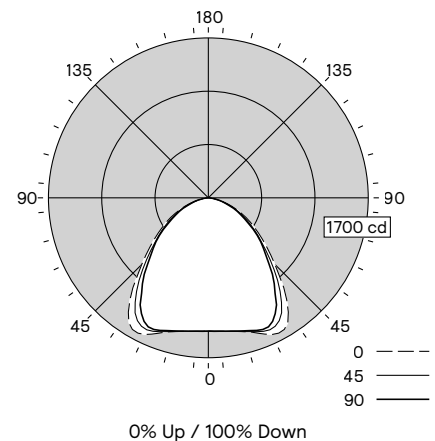
Nominal CRI & CCT			CRI 90+, 2700K						CRI 90+, 3000K						CRI 90+, 3500K						CRI 90+, 4000K						CRI 90+, 5000K						CRI 90+, 6500K					
Lumen Package		Watts (W)	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ¹	UGR ²	Photometry Report	IES File						
Static White	8000	68	7614	113	18	PDF	IES	7851	116	18	PDF	IES	8002	118	18	PDF	IES	8244	122	18	PDF	IES	8001	118	18	PDF	IES											
	7500	63	7142	114	18	PDF	IES	7360	117	18	PDF	IES	7503	119	18	PDF	IES	7731	123	18	PDF	IES	7502	119	18	PDF	IES											
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	6000	49	5719	116	17	PDF	IES	5883	119	17	PDF	IES	6000	122	17	PDF	IES	6183	125	17	PDF	IES	5999	121	17	PDF	IES											
	5500	45	5244	117	17	PDF	IES	5391	120	17	PDF	IES	5499	123	17	PDF	IES	5667	127	17	PDF	IES	5498	123	17	PDF	IES											
	5000	41	4769	117	16	PDF	IES	4899	120	17	PDF	IES	5000	123	17	PDF	IES	5152	126	17	PDF	IES	4998	123	17	PDF	IES											
	4500	37	4295	118	16	PDF	IES	4409	121	16	PDF	IES	4501	123	16	PDF	IES	4638	127	16	PDF	IES	4500	123	16	PDF	IES											
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Tunable White	5000	46	5000	108	17	PDF	IES	5000	108	17	PDF	IES	5000	109	17	PDF	IES	5000	109	17	PDF	IES	5000	110	17	PDF	IES	5000	111	17	PDF	IES	5000	111	17	PDF	IES	
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Silk (Lambertian)



MesoOptics (Batwing)



Shine Duo Architectural Recessed

Photometry

Shine Duo 1'x4' Silk (Lambertian)

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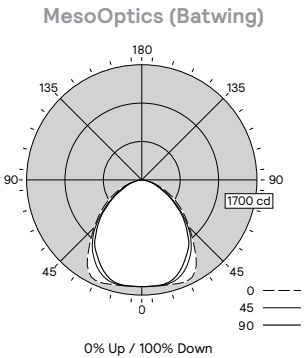
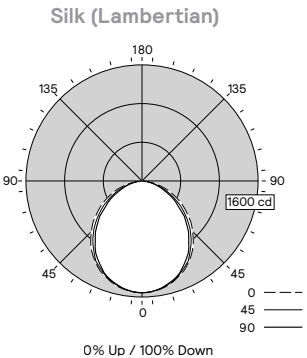
Nominal CRI & CCT			CRI 90+, 2700K						CRI 90+, 3000K						CRI 90+, 3500K						CRI 90+, 4000K						CRI 90+, 5000K						CRI 90+, 6500K					
Lumen Package		Watts (W)	Flux (lm) ¹	Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW)	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW)	UGR ²	Photometry Report	IES File						
Static White	5000	49	4655	94	20	PDF	IES	4772	97	20	PDF	IES	5002	101	20	PDF	IES	5042	102	20	PDF	IES	4915	100	20	PDF	IES											
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	2000	19	1884	101	17	PDF	IES	1920	103	17	PDF	IES	2002	108	17	PDF	IES	2025	109	17	PDF	IES	1976	106	17	PDF	IES											
Tunable White	5000	61	5000	79	20	PDF	IES	5000	80	20	PDF	IES	5000	81	20	PDF	IES	5000	82	20	PDF	IES	5000	84	20	PDF	IES	5000	85	20	PDF	IES	5000	85	20	PDF	IES	
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Shine Duo 1'x4' MesoOptics (Batwing)

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Nominal CRI & CCT			CRI 90+, 2700K						CRI 90+, 3000K						CRI 90+, 3500K						CRI 90+, 4000K						CRI 90+, 5000K						CRI 90+, 6500K					
Lumen Package		Watts (W)	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File	Flux (lm) ¹	Efficacy (LPW) ²	UGR ²	Photometry Report	IES File						
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	4500	43	4197	98	19	PDF	IES	4296	100	19	PDF	IES	4499	105	19	PDF	IES	4539	106	19	PDF	IES	4425	103	19	PDF	IES											
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	2000	18	1885	104	16	PDF	IES	1921	106	16	PDF	IES	2002	111	16	PDF	IES	2026	112	16	PDF	IES	1977	109	16	PDF	IES											
Tunable White	5000	59	5000	83	19	PDF	IES	5000	84	19	PDF	IES	5000	85	19	PDF	IES	5000	85	19	PDF	IES	5000	87	19	PDF	IES	5000	88	19	PDF	IES	5000	91	19	PDF	IES	
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