Downlighting

LIGHTOLIER

Calculite LED 6" gen 3





C6SLW Square Wall Wash

Calculite LED 6" generation 3 provides excellent performance coupled with optimized installation flexibility. Industry leading visual comfort and uniform illumination make it an ideal choice for open office, institution, healthcare, and retail applications.

Buy American Act of 1933 (BAA) Compliant luminaire*: Complete luminaire = Frame-BAC + Engine-BAC + Trim-BAC

* BAA compliance requires that BAC option be selected for each of frame, engine, and trim. Frame, engine, and trim will be shipped together as a single product. Accessories (optional) are not currently BAA-compliant.

Project:
Location:
Cat.No:
Гуре:
Qty:
N-+

Follow the ordering guidelines below. Each step is a separate order line.

Step 1	Frame: Ordered & shipped separately.		
	Frame 6S		Example: 6SN
Step 2	Engine & Trim: Ordered & shipped as a single product.		
	Engine C6L	-C6S	Example: C6L15935MZ10U-C6SLWCCP
Step 3 (optional)	Accessories: Ordered & shipped separately.		

Series	In	stallation	Volta	ge/Options		
6 S						
6S 6" Non-IC Square	N	New construction	— ЕМ6	Universal 120/277/347V Emergency, 6W Self-Test/Self-Diagnostic ¹	LC BAC	Chicago Plenum ² Meets the requirements of the Buy American Act of 1933 (BAA) ¹⁰
	R	Remodeler	-	Universal 120/277/347V	BAC	Meets the requirements of the Buy American Act of 1933 (BAA) ¹⁰

Engine				Standard example: C6L209	30MZ10D20UF	BAC example: C6L20930MZ10D20U-BAC		
Series	Lumens	CRI/CCT	Beam	Dimming	Options	Voltage	Options	

Series C6L	Lumens	CRI/CCT	Beam	Dimming	Options	Voltage	Options
C6L Calculite LED 4"	10 1000lm 15 1500lm	927 90CRI/2700K 930 90CRI/3000K	N Narrow M Medium ⁹	Z10 0-10 V 1% Z10-D2O 0-10 V 1% Dim to Off (up	to 3500lm)	U 120/277V 3 347V ⁶ (Z10 only)	F Flex install ⁷ (no frame required)
gen 3	20 2000 lm 25 2500 lm 30 3000 lm 35 3500 lm	500 lm 940 90CRI/4000K 950 90CRI/5000K ³	W Wide	L01 Lutron PEQ0 EcoSystem 0.1% L1 Lutron LDE1 EcoSystem (up to RA Integral Interact RF sensor ⁵	3500lm)	U 120/277V	R Calculite legacy retrofit ⁸ BAC Meets the
	48 4800 lm* to 1800K ⁴ 60 6000 lm* * See marked spacings requirements	to 1800K ⁴		D DALI 0.1% ⁵	None LIN Linear	U 120/277V	requirements of the Buy American Act of 1933 (BAA) ¹⁰
			SOL EldoLED Solo 0-10 V 0.1% DMX Digital Multiplexing w/RDM 0.1%	None LIN Linear SQR Square	U 120/277V	ACT 01 1933 (BAA)."	
	on page 9.			E Forward & Reverse Phase (up	to 3000lm)	1 120V	

Trim	standard example: C6SLWCCP	I BAC example: C6SLWCCP-BAC

Series C6	Aperture	Style LW	Finish	Flange	Options
C6 Calculite LED 6" gen 3	S Square	LW Lensed Wall Wash ⁹	CL Specular clear CC Comfort clear CD Comfort clear diffuse	- White (matte) P Polished (matches aperture) F Flangeless (requires CA6SFT)	BAC Meets the requisites of the Buy American Act of 1933 (BAA) ¹⁰
			WH White (matte)	- White (matches finish) F Flangeless (requires CA6SFT)	

Beam options

Narrow engine	37° (0.6 s.c.) with narrow & medium trim		
	Not recommended with wide trim		
Medium engine	56° (0.9 s.c.) narrow & medium trim		
	65° (1.1 s.c.) with wide trim		
	With Wido thin		

See footnotes on page 2.













Square Wall Wash

Accessories (Not currently BAA-compliant) learn more below

SWCS Interact Ready System Bridge Accessory (refer to SWCS spec sheet for options and details)

6" round/square non-IC frame with Flex (F) light engine **6RNSR** (provides mechanical support for rough-in construction only, no junction box)

LCEM6 Field installable Bodine BSL06 emergency battery pack

(for Flex (F) light engine only, includes switch mounting plate)

T347-75VA 347:120V step-down transformer for non-IC (N) frame only (see page 3)

Mud-in ring for use in 6" square flangeless trim installations CA6SFT

(ordered with a flangeless trim)

Field-installable Bodine BSL6 6W battery pack with self-test/self-CAEM6

diagnostic (for new construction frames, 120-277V - see page 3 for details)

CAEM6TSCP

Emergency test switch mounting plate.
Must be ordered with EM6 frame for remote test switch (see page 3)

Square Wall Wash

Photometric - Downlights with CRI of 90+ & R9 of 50+

Lumen		Flux	Efficacy	Beam				IES	TM-30)-18	
Package	Beam	(lm)	(lm/W)	Angle	СВСР	CRI	R9	R _f	R_g	R _{cs,h1}	UGR
1000 lm	Lensed (LW)	828	95	_	_	90+	50+	91	100	-6%	16
1500 lm	Lensed (LW)	1248	96	_	_	90+	50+	91	100	-6%	17
2000 lm	Lensed (LW)	1685	94	_	-	90+	50+	91	100	-6%	19
2500 lm	Lensed (LW)	2089	97	_	-	90+	50+	91	100	-6%	19
3000 lm	Lensed (LW)	2491	94	_	_	90+	50+	91	100	-6%	20
3500 lm	Lensed (LW)	2764	94	_	_	90+	50+	91	100	-6%	20
4800 lm	Lensed (LW)	3955	91	_	-	90+	50+	91	100	-6%	22
6000 lm	Lensed (LW)	4946	84	_	_	90+	50+	91	100	-6%	22



AccuRender Technology (CRI 90+)

The right light brings colors to life. Our new AccuRender technology helps ensure colors are rendered more accurately and consistently, while doing so as efficiently as CRI 80 products.



Standard CRI 80

Good color rendering and high efficacy



Standard CRI 90

Better color rendering and low efficacy



AccuRender

Best color rendering, color preference and high efficacy

Enjoy design flexibility

Full range of products and options:

- Available soon in across Lightolier portfolio for application flexibility
- Multiple color temperatures (CCTs) and lumen packages offered

Promote savings

High efficacy, with no penalty:

- · Energy efficacy compares well to conventional 80 CRI
- · Up to 25% more energy savings vs competitor 90 CRI1
- · Helps meet Title 24 requirements

Show your true colors

High color rendering:

- · True to life colors that help energize your environment and render better flesh tones critical for healthcare hospitality and retail applications.
- R_a up to 94 CRI · R_f up to 92 TM-30 R₉ up to 67 CRI $R_{f,h1}$ up to 91 TM-30 R_9 up to 100 TM-30 G_a up to 99 CRI C₉ up to 94 CRI $R_{cs,h1}$ up to -5% TM-30

Achieve color balance

Best in class color consistency:

Promote aesthetic harmony in your space with ≤ 2 SDCM

Footnotes for page 1

- Emergency (EM6) frame requires remote mounted test switch. Order CAEM6TSCP mounting plate accessory (not compatible with 347V or Power over Ethernet configurations).
- 2. Chicago Plenum (LC) frame is not available for Buy American Compliant (BAC) configurations
- 3. Consult factory for 5000K CCT (50) with narrow (N) beam.
- 4. Dim-to-warm (D2W) available only with Z10 dimming. Narrow (N) and medium (M) engine beams only.
- 5. DALI (D) 4800lm and 6000lm, and RA options require linear driver configuration (see page 8).
- 6. Not available for 4800lm (48) & 6000lm (60). Order T347-75VA field installed transformer
- Flex install option requires light engine (F) & trim only. Up to 3500lm only. For use only with optional 6RNSR new construction frame accessory. Not available with Interact (RA) light engine dimming and IEM6 trim options.

- 8. Retrofits select legacy luminaires (E & Z10 dimming only see pages 3 & 7).
- 9. Medium (M) beam is ideal for Lensed Wall Wash (LW) applications.
- 10. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

Square Wall Wash

Frame-in-kits

New Construction:

Galvanized stamped steel for dry or plaster ceilings. Preinstalled telescoping mounting bars from 13" to 24". For 4' distances, use 1/2" EMT, 1-1/2" x 1/2" U or C channel.

Max ceiling thickness is 2" (51 mm) including PoE frame 4.88" (124 mm) plenum depth for installation.

Patented install Mounting frame:

- Pre-installed mounting bars for fast and toolless installs into T-grid & hat channel ceilings.
- Close-cut aperture design eliminates possibility of gap between ceiling opening and reflector flange.
- Separate wiring compartment for wiring frame to building allows inspection prior to light engine install.
- Simple plug-and-play connection between frame and light engine from below ceiling.
- Easy alignment of fixtures and present locking at 0°, 45°, & 90° with 360° rotation via toolless locking.

Retrofit

 Easily updates legacy Calculite downlights to the latest LED technology. Includes light engine, trim, and driver mounted on cover plate that mounts to junction box of previous Calculite generations. Order with R option code at end of light engine catalog number (see details on page 7).

Compatibility:

Frames	Engines
With CFL	Use Retrofit configuration
S6132_series	C6R_ Trim + C6L_ Engine
With INC	Use Retrofit configuration
BS600_series	C6R_ Trim + C6L_ Engine
With LED	Use Retrofit configuration
C6L_N series	C4R_Trim + C6L_Engine
C6X6L_N series	C6S_Trim + C6L_Engine
P6RD_N_ series	C6R_Trim + C6L_Engine

* Not available for retrofitting luminaires with integral emergency battery.

Emergency

Bodine BSL6 6W battery pack with self-test/diagnostic functionality. Factory or field mounted to frame.

- For remote ceiling mounted test switch, order standard trim (ex: C6SDLWCC). Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Dimming

All configurations are FCC Class A unless otherwise specified.

- Advance 0-10V 1% (Z10), logarithmic curve is standard. Specify D2O for factory-set dimto-off function, consult factory for linear dimming curve.
- EldoLED SOLODrive (SOL) 0-10v 0.1%
- Lutron PEQ0 (L) Hi-Lume Premier 0.1% EcoSystem
- · Lutron LDE1 (L01) EcoSystem 1%
- Electronic low voltage (E) forward or reverse phase dimming, Remodel and AirSeal IC Shallow are FCC Class B
- DALI (D) DT6 DALI 0.1%
- DMX (DMX) Digital Multiplexing with RDM 0.1%

Dimming Options

The following are factory-set options for the SOL, D, and DMX driver options (ex. DMXLIN):

- · SOL/D/DMX: Logarithmic (-) standard
- · SOL/D/DMX: Linear (LIN)
- · SOL/DMX: Square (SQR)
- Dim to Warm (D2W): option changes CCT from 3000-1800K gradually as it dims. Use with Z10 dimming only. Fixture-to-fixture consistency of ≤3SDCM at 2700K & 3000K, and ≤5SDCM at 1800K.

Optical systems

Comfort throughout the space:

True 50° physical cutoff and 45° reflected cutoff.

Quality of light:

2 SDCM ensures color consistency from fixture to fixture and over the luminaire's long lifetime.

MesoOptics PET optical diffusion film:

Provides a smooth beam shape and mitigates color over angle with optimized luminaire efficiency. Mitigates LED pixilation.

Light Engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- Ease and upgradability of technology.
- 347V light engines are Z10 dimming only and include dedicated 347V driver. For 347V non-Z10 dimming, order T347-75VA fieldinstalled step-down transformer accessory.

Flex engine (F)

- Frame-optional engine suited for new construction, remodel, and retrofit applications.
- 6RNSR new construction frame accessory available as required to support ceiling construction.
- All wiring is done on the integral j-box to the engine.

Options and Accessories

Flangeless mud-in ring: Use CA6SFT for use with flangless plaster installations.

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

SWCS: Interact Ready System Bridge Accessory. Requires IRT9015 IR remote and Interact Pro App for commissioning.

T347-75VA: Field installable 347:120V 75VA stepdown transformer, attaches to knock out on frame junction box, for use with non-IC (N) or remodel (R) frames.

Title 24 exceptions

- 1000lm configurations

Labels and Listings

- cULus listed for wet locations
- RoHS certified
- CEC Title 24 JA8 certified
- CCEA (frames with *LC suffix)
- Red List Declare label certified, ID SIG-0017 (View full Declare label)

Warranty



5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Square Wall Wash

interact

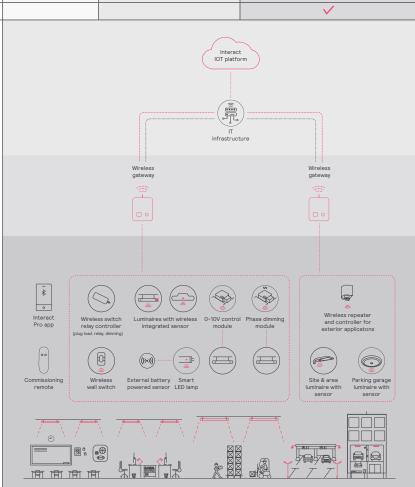
Interact				recent to the second se
			Gatew	ay Connected
		Standalone	Option 1	Option 2
Dimming, grouping, and zoning		✓	✓	✓
Bluetooth and ZigBee enabled		~	✓	~
Motion sensing and daylight harvesting		~	✓	~
Integration with 0-10V and phase dimming fixtures		~	✓	✓
Code compliance		~	✓	✓
Granular dimming and dwell time		~	✓	✓
Correlated color temperature (CCT) tuning by switch	New	~	✓	✓
Support for sensor-based Tunable White luminaires	New	~	✓	✓
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
· Zones + groups	64
Total number of ZGP devices (sensors and switches)	50
Sensors	30
• Switches	50

Group level	
Recommended number of lights	40 (maximum 150)
Number of ZGP devices	5
Number of scenes	16



dilato

Square Wall Wash

Wireless controls options

Interact

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the standalone mode (similar to SpaceWise) when configured without a gateway or in a cloud connected mode if a compatible gateway is used.
- 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 on-site to identify and group devices together.

Compatible with:

- SWS200 & UID8465 wireless scene switch
- Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
- Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
- LCN3110: battery powered IP65 presence sensor, OCC sensor IA CM IP65W
- LCN3120: battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH
- For more information on Interact visit: interact-lighting.com/interactproscalablesystem

Radio only sensor (RA or RADIO)

- Integral RA or RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.
- 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, identify and group devices together onsite.
- Compatible with SWS200 and UID8465 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 visit: interact-lighting.com/interactproscalablesystem

Sensor bundle (IAOSB or SB)

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with SWS200 wireless scene switch, wireless Occ sensor (OCC SENSORIA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available. Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- IAOSB or SB option in addition to occupancy and daylights sensing supports advanced IoT capabilities, such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: interact-lighting.com/interactproscalablesystem

Emergency Options (ER100)

- 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 supported 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	-	-

Square Wall Wash

Polished Reflectors Shown as round reflectors but represent the finish of Calculite square reflectors.



Specular clear (CL): Most specular and most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.



Comfort clear (CC): Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.



White (WH): (matte) Brightest illuminated aperture and provides the smoothest transition to most ceilings when off (white is only available with a white flange).



Comfort clear diffuse (CD): Slightly diffuse clear finish, that eliminates iridescence and reduces the mirror image effect inherent with specular finishes.

Flanges



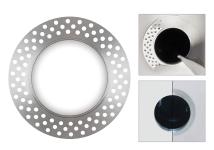
White (-): (matte) Provides the smoothest transition to ceilings when off.



Polished (P): (matches aperture) Produces a continuous look throughout the reflector (aperture matching).



Flangeless (F): (flush-mount)Creates a flush, virtually seamless transition from aperture to ceiling.



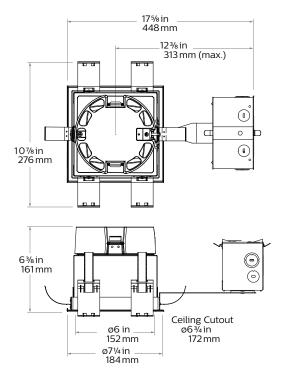
Mud-in ring (FT): Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3/16" flange thickness. The ring is attached to the ceiling material as opposed to the frame-in kit to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster.

Square Wall Wash

New Construction (N) Chicago Plenum (LC) **Emergency battery** 14¾in 376 mm pack shown with EM6 option on 9½in 240 mm non-IC frame. 13¼in 337mm 10½in 267mm 12% in 319 mm 12% in 326 mm • 20%in 17% in . 442 mm 511 mm 15 in 381 mm **Emergency battery** pack shown with EM6 option on new construction non-IC frame. 7¼ in 184 mm 161mm **∏**€ Lane. 2in 51 mm ø6 in Maximum ceiling 152 mm

thickness

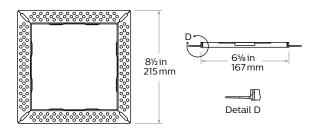
Remodeler (R)



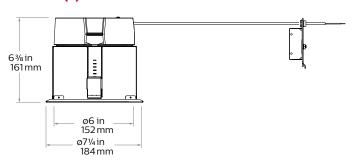
ø7¼in

184 mm

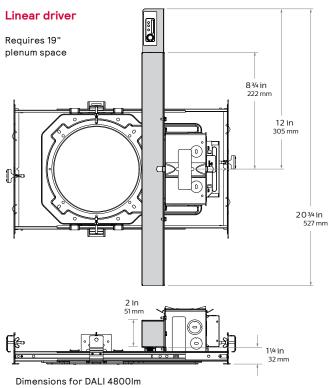
Flangeless mud-in ring (CA6SFT) accessory



Retrofit (R) with round trim



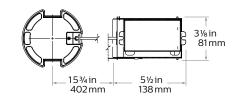
Square Wall Wash

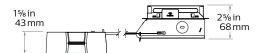


Dimensions for DALI 4800lm & 6000lm, & RA light engines.

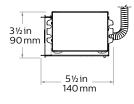
Sensor shown for RA light engine only.

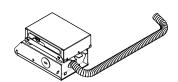
Flex Install (F)

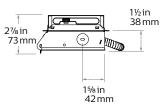




LCEM6 Flex install (F) engine only

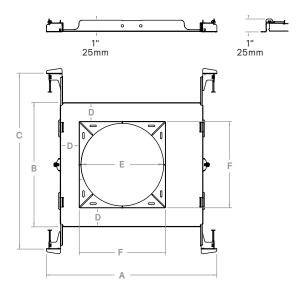






* 12" conduit with connector to j-box knock out

6RNSR Flex install non-IC frame



Α	В	С	D	E	F
13 ¼"	9 5/8"	13 %"	1½"	6%"	5¾"
334mm	244mm	345mm	37mm	162mm	169mm

Square Wall Wash

Electrical - Narrow

Light	Input	Input	Input	Drive	Input	LED	THD Factor	Power Factor
engine	Volts	Freq.		Current		Power	@ Max	Load
	120V	50/60Hz	0.072A	0.22A	8.6W	7.0W	<10%	>0.9
1000lm	277V	50/60Hz	0.032A	0.22A	8.8W	7.0W	<20%	>0.9
	347V	50/60Hz	0.029A	0.22A	10.0W	7.0W	<30%	>0.9
	120V	50/60Hz	0.107A	0.33A	12.8W	10.7W	<10%	>0.9
1500lm	277V	50/60Hz	0.046A	0.33A	12.9W	10.7W	<10%	>0.9
	347V	50/60Hz	0.042A	0.33A	14.6W	10.7W	<25%	>0.9
	120V	50/60Hz	0.145A	0.45A	17.4W	14.7W	<10%	>0.9
2000lm	277V	50/60Hz	0.063A	0.45A	17.5W	14.7W	<10%	>0.9
	347V	50/60Hz	0.056A	0.45A	19.4W	14.7W	<20%	>0.9
	120V	50/60Hz	0.178A	0.55A	21.4W	18.2W	<10%	>0.9
2500lm	277V	50/60Hz	0.078A	0.55A	21.5W	18.2W	<10%	>0.9
	347V	50/60Hz	0.065A	0.55A	22.7W	18.2W	<20%	>0.9
	120V	50/60Hz	0.212A	0.65A	25.5W	21.7W	<10%	>0.9
3000lm	277V	50/60Hz	0.091A	0.65A	25.3W	21.7W	<10%	>0.9
	347V	50/60Hz	0.077A	0.65A	26.7W	21.7W	<15%	>0.9
	120V	50/60Hz	0.237A	0.75A	28.4W	24.4W	<10%	>0.9
3500 lm	277V	50/60Hz	0.103A	0.75A	28.4W	24.4W	<10%	>0.9
	347V	50/60Hz	0.084A	0.75A	29.1W	24.4W	<15%	>0.9
	120V	50/60Hz	0.338A	1.05A	40.5W	34.9W	<10%	>0.9
4800lm	277V	50/60Hz	0.145A	1.05A	40.3W	34.9W	<10%	>0.9
	347V	50/60Hz	0.118A	1.05A	41.0W	34.9W	<10%	>0.9
	120V	50/60Hz	0.442A	1.35A	53.0W	45.6W	<10%	>0.9
6000lm	277V	50/60Hz	0.188A	1.35A	52.1W	45.6W	<10%	>0.9
	347V	50/60Hz	0.153A	1.35A	53.0W	45.6W	<10%	>0.9

Electrical - Medium & Wide

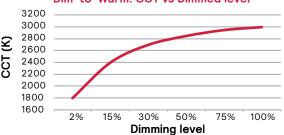
Light	Input	Input	Input	Drive	Input	LED	THD Factor	Power Factor
engine	Volts	Freq.		Current		Power	@ Max	Load
	120V	50/60Hz	0.073A	0.22A	8.7W	7.1W	<10%	>0.9
1000lm	277V	50/60Hz	0.032A	0.22A	8.9W	7.1W	<20%	>0.9
	347V	50/60Hz	0.029A	0.22A	10.2W	7.1W	<30%	>0.9
	120V	50/60Hz	0.109A	0.33A	13.0W	10.9W	<10%	>0.9
1500lm	277V	50/60Hz	0.047A	0.33A	13.1W	10.9W	<10%	>0.9
	347V	50/60Hz	0.043A	0.33A	14.9W	10.9W	<25%	>0.9
	120V	50/60Hz	0.149A	0.45A	17.8W	15.1W	<10%	>0.9
2000lm	277V	50/60Hz	0.065A	0.45A	18.0W	15.1W	<10%	>0.9
	347V	50/60Hz	0.057A	0.45A	19.8W	15.1W	<20%	>0.9
-	120V	50/60Hz	0.179A	0.55A	21.4W	18.2W	<10%	>0.9
2500lm	277V	50/60Hz	0.078A	0.55A	21.6W	18.2W	<10%	>0.9
	347V	50/60Hz	0.066A	0.55A	22.8W	18.2W	<20%	>0.9
	120V	50/60Hz	0.220A	0.67A	26.4W	22.4W	<10%	>0.9
3000lm	277V	50/60Hz	0.095A	0.67A	26.2W	22.4W	<10%	>0.9
	347V	50/60Hz	0.079A	0.67A	27.5W	22.4W	<15%	>0.9
	120V	50/60Hz	0.245A	0.75A	29.4W	25.3W	<10%	>0.9
3500 lm	277V	50/60Hz	0.106A	0.75A	29.4W	25.3W	<10%	>0.9
	347V	50/60Hz	0.087A	0.75A	30.1W	25.3W	<15%	>0.9
-	120V	50/60Hz	0.350A	1.08A	42.0W	36.1W	<10%	>0.9
4800lm	277V	50/60Hz	0.150A	1.08A	41.5W	36.1W	<10%	>0.9
	347V	50/60Hz	0.122A	1.08A	42.5W	36.1W	<10%	>0.9
	120V	50/60Hz	0.454A	1.38A	54.5W	46.8W	<10%	>0.9
6000lm	277V	50/60Hz	0.193A	1.38A	53.5W	46.8W	<10%	>0.9
	347V	50/60Hz	0.157A	1.38A	54.5W	46.8W	<10%	>0.9

Lifetime (TM-21) data

Lumens	Narrow beam	Medium/Wide beam		
1000lm				
1500lm				
2000lm	L90 @ 60.000hrs.	L90 @ 60,000hrs.		
2500lm	200 @ 00,0001110.			
3500lm*				
4800lm				
6000lm	L90 @ 60,000hrs.	L80 @ 60,000hrs.		

^{*} Lutron 3500lm with Medium/Wide beam is L85 @ 60,000hrs.

Dim-to-Warm: CCT vs Dimmed level



Narrow (Power over Ethernet)

	Input				
Light engine	Volts ¹	Voltage ²	Freq	Current	Power
C6L10NPE	53V	51-54V	DC	160 mA	8.9 W
C6L15NPE	53V	51-54V	DC	250 mA	13.7 W
C6L20NPE	53V	51-54V	DC	330 mA	17.7 W
C6L25NPE	53V	51-54V	DC	420 mA	22.8 W

^{1.} Nominal input volts. 2. Preferred volt range.

Medium (Power over Ethernet)

	Input				
Light engine	Volts ¹	Voltage ²	Freq	Current	Power
C6L10MPE	53V	51-54V	DC	160 mA	8.4 W
C6L15MPE	53V	51-54V	DC	230 mA	12.5 W
C6L20MPE	53V	51-54V	DC	310 mA	16.7 W
C6L25MPE	53V	51-54V	DC	390 mA	21.4 W

Wide (Power over Ethernet)

	Input				
Light engine	Volts ¹	Voltage ²	Freq	Current	Power
C6L10WPE	53V	51-54V	DC	160 mA	8.4 W
C6L15WPE	53V	51-54V	DC	230 mA	12.5 W
C6L20WPE	53V	51-54V	DC	3120 mA	16.7 W
C6L25WPE	53V	51-54V	DC	390 mA	21.4 W

Marked spacing applications

Light engine	4800lm	6000lm
C6L_Z10 series	Х	Х
C6L_L01 series	Х	Х
C6L_L1 series	Х	Х
C6L_LD series	Х	Х

Light engine	4800lm	6000lm
C6L_LTE series	Х	Х
C6L_D series	Х	Х
C6L_DMX series	Х	Х
C6L_RA series	Х	Х

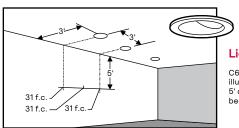
 $\label{eq:modules marked with an X require marked spacing:} Modules \ marked \ with \ an \ X \ require \ marked \ spacing:$

In accordance with CAN ICES-005-A/ NEB-005-A and FCC Part 15-A.

⁻ Center-to-center of adjacent luminaires: 24" (610mm)

⁻ Luminaire center to side building member: 12" (305mm)

Square Wall Wash



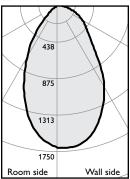
Lighting Data - Example

C6L25935WZ10U / C6SLWCL illumination on the wall 5' down from the ceiling is 31 f.c. beneath and 31 f.c. between fixtures.

Adjustment factors

Finish	CCT	Lumens
CL = 100% CC = 95% CD = 87% CZ = 63% WH = 87% BK = 57%	90CRI, 4000K = 102% 90CRI, 3500K = 100% 90CRI, 3000K = 96% 90CRI, 2700K = 92%	6000lm = 240% 4800lm = 192% 3500lm = 140% 3000lm = 120% 2500lm = 100% 2000lm = 80% 1500lm = 60% 1000lm = 40%

Lensed Wall Wash, 2500lm Engine, 95lm/W at 22W



6RN /C6L25935WZ10U / C6SLWCL

2090 lms Output lumens: 22.0 W CRI: 90 min CCT 1: 3500K

Efficacy: 95.0 lm/w Report²: STMR-2242

Multiple unit data

Footcandles on wall

		3' from wall		
		3' on ctr.		
٠ ـ	1	19	18	19
9 2	2	32	31	32
ng in fee	3	35	34	35
<u>ق</u> 4	1	34	34	34
Distance from ceiling in feet	5	31	31	31
O HO	3	27	27	27
0 7	7	22	23	22
± €		19	19	19
5 6	9	16	16	16
tg 1	0	13	14	13
<u>≃</u> 1	2	11	11	11
1-	4	10	10	10

Multiple unit data

Footcandles on wall

		3' from wall			
		4' on ctr.			
Distance from ceiling in feet	1	16	12	16	
	2	26	21	26	
	3	28	25	28	
	4	27	25	27	
	5	25	24	25	
	6	22	21	22	
	7	18	18	18	
	8	15	16	15	
	9	13	13	13	
	10	10	12	10	
	12	9	9	9	
	14	8	8	8	

^{1.} Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

^{2.} Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.