



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

LyteProfile downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. High optical efficiency reinforced with Accurender technology provides an optimum balance of performance and quality of light. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Standard luminaire = Frame + Engine/Trim + Accessories (optional)

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

* BAA compliance requires that BAC option be selected for each of frame and engine/trim. Frame and engine/trim will be ordered/ shipped together (ex: 6RN-BAC-P6RDL20935WCDZ10U-BAC). Accessories (optional) are not currently BAA-compliant.

Frame

Standard example: 6RN | BAC example: 6RN-BAC

Series	Aperture	Installation	Options
6	R		
6 Uniframe 6" Non-IC	R Round	N New construction (Non-IC)	- Universal 120/277/347V EM6 Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC) ¹ LC Chicago Plenum ² BAC Meets the requirements of the Buy American Act of 1933 (BAA)**
		R Remodeler (Non-IC)	- Universal 120/277/347V
		A AirSeal (IC)	- Universal 120/277/347V

Engine / Trim

Standard example: P6RDL20935WCDZ10U | BAC example: P6RDL20935WCDZ10U-BAC

Series	Style	Lumen	CRI/CCT	Beam	Reflector	Flange	Dimming / Options	Voltage	Options
P6R									
P6R LyteProfile 6" round downlight	DL Downlight	10 1000lm	927 90CRI/2700K	N Narrow	CL Specular clear	- White (matte)	Z10 0-10V 1%	U 120/277V	- None
	LW Lensed Wall Wash ³	15 1500lm	930 90CRI/3000K	M Medium	CC Comfort clear	B Black (matte) ⁸	Z10D20 0-10V 1% (dim to Off) (up to 3500lm)	3 347V (Z10 only) (up to 3000lm)	R Retrofit ¹⁰ (not compatible with IEM6)
	SL Shower light ⁴ (non-conductive lens)	20 2000lm ⁵ 25 2500lm ⁵ 30 3000lm ⁵ 35 3500lm ⁵ 40 4000lm ⁵ 50 5000lm ⁵	935 90CRI/3500K 940 90CRI/4000K 9D2W 3000-1800K (dim to warm) ⁶ 96T 2700-6500K (tunable white) ⁷	W Wide ^{3,4}	CD Comfort clear diffuse	P Polished (matches aperture) F Flangeless (requires CA6RFT) ⁸	L1 Lutron LDE1 EcoSystem 1%	U 120/277V	IEM6 Trim mounted EM test switch (for DL style only)
					WH White (matte) BK Black (matte)	- White (matte) B Black (matte) ⁸ F Flangeless (requires CA6RFT) ⁸	RA Integral Interact Pro RF sensor (up to 3500lm) ⁹	BAC Meets the requirements of the Buy American Act of 1933 (BAA)**	
					WHAMF White (gloss antimicrobial) ⁸	- White (gloss) F Flangeless (requires CA6RFT) ⁸	E Forward & Reverse Phase (up to 3000lm)	1 120V	

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet) ¹¹
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
CA6RFT	Mud-in ring for use in 6" round flangeless trim installations (ordered with a flangeless (F) light engine).
CAEM6TSCP	Remote switch cover plate. Order with EM6 frame for remote mounted test switch.
C6RVPWH	IP65 rated vandal proof matte white accessory mounts onto flangeless light engines (F) and non-IC (N) frame only.
T347-75VA	347:120V step-down transformer for non-IC (N) frame only (see page 2 for details)
7925	6" sloped ceiling adapter (refer to SCA spec sheet for slope options)

- Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 (not compatible w/347V).
- Chicago Plenum (LC) is not available for Buy American Compliant (BAC) configs.
- Lensed wall wash (LW) style only available with Wide (W) beam.
- Shower light (SL) in only available with White (WH) reflector finish, and wide (W) beam.
- Not available with AirSeal (A) frame.
- Specify 9D2W with Z10U dimming only (up to 2000lm max).
Not compatible with Z10D20 or 347V (3) options. Not available with wide (W) beam.
- Specify 96T with Z10U or RAU dimming only (up to 2000lm max).
Not compatible with Z10D20 or 347V (3) options. Not available with wide (W) beam.
- Consult factory with ETO request for antimicrobial reflector finish (WHAMF) and black (B) flange for all styles, and flangeless (F) for LW style.
- Linear driver profile. See dimensional data following.
Specify only with non-IC (N) frame, not for use with LC or EM6 options.
- Retrofits select legacy Lightolier luminaires (see pages 2 for details).
- Requires IRT9015 IR remote and Interact Pro App for commissioning (requires above ceiling access).

** 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.



P6R LyteProfile 6"

Round Downlight & Lensed Wall Wash

Features

Optics

- Provides a 60° cutoff (physical and reflected)
- Available in wide (85°), medium (65°), and narrow (55°) beam options.
- Spun and anodized reflectors available in specular (clear), semi-specular (comfort clear and diffuse finishes. Also available in white and black painted finishes.
- Consult factory for RAL finishes

Quality of light

- Color consistency: 2 SDCM
- 90 CRI minimum (Accurender)

Construction (New Construction)

- Galvanized stamped steel for dry / plaster ceilings.
- Pre-installed telescoping mounting bars (13"-24")
- Frame accommodates C- channel, black iron, and 3/4" EMT for mounting distances greater than 24" between joists.
- Manufactured from 20 gage galvanized steel construction with rolled edge aperture to guide cutting tools for perfect hole cutting.

Max ceiling thickness is 2" (51 mm).

Patented install Mounting frame

- Pre-installed mounting bars allow for fast and tool-less install into T-grid & hat channel ceilings
- Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.
- Simple plug-and-play connection between frame and light engine from below the ceiling allows for:
 - Easy upgrades
 - Technology changes
 - Repairs and troubleshooting

Retrofit

- Easily updates legacy LyteProfile LED downlights to the latest technology. Includes light engine, trim, and driver mounted on cover plate that mounts to previous generations of LyteProfile LED luminaires. Order with R option code at end of light engine/trim catalog number.

Dimming

- Advance 0-10v 1% (Z10) logarithmic curve is standard. Specify D20 for factory-set dim-to-off function (consult factory for linear dimming curve).
- Lutron LDE1 (L1) EcoSystem 1%
- Electronic low voltage (E) offers forward or reverse phase dimming
- **Dim to Warm (D2W):** changes CCT from 3000-1800K gradually as it dims. Use with Z10U dimming only. Fixture-to-fixture consistency of ≤3SDCM at 2700K & 3000K, & ≤5SDCM at 1800K
- **Tunable white (6T):** 2700K to 6500K CCT. Use with Z10U or RAU dimming only. Fixture-to-fixture consistency of ≤3SDCM at 2700K, 5000K, & 6500K CCT.

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.
- Lumen Maintenance: L80 at 60,000 hours.
- 347V light engines are Z10 dimming only and include dedicated 347V driver. For 347V non-Z10 dimming, order T347-75VA field-installed step-down transformer accessory.

Emergency

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

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P6RDL20935WCDZ10UIEM6). DL style only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6RDL20935WCDZ10U). 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.
- CEC Title 24 JA8 Certified.

Options and Accessories

Sloped ceilings: Compatible with sloped ceiling adapters (see SCA spec sheet).

Flangeless mud-in ring: Use CA6RFT For use with flangeless plaster installations.

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. To mount test switch to trim for new construction frame, order downlight light engine with IEM6 option code (e.g. P6RDL20935WCDZ10UIEM6).

C6RVPWH: includes machined aluminum ring painted white, gasketed for IP65 protection, and impact resistant polycarbonate lens (IK10). Locks in place with discrete setscrew (key included). Available also with antimicrobial finish (C6RVPWHAMF).

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. Required for lensed wall wash (LW) and shower light (SL) styles.

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

ENERGY STAR® exceptions

- Black finishes

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified

Warranty



5 year limited warranty
Visit [Signify.com/warranties](https://www.signify.com/warranties) for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

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Round Downlight & Lensed Wall Wash

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	✓	✓	✓
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

