LIGHTOLIER

LED

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: Complete luminaire = Frame + Engine + Trim + Accessories (optional)
Flex install luminaire: Complete luminaires = Engine (F) + Trim + Accessories (optional)

Frame

Example: 6SN

Series	Aperture	Installation	Options		
6	**S**				
6 Uniframe 6" Non-IC	**S** Square	**N** New construction (Non-IC)	**—**	Universal 120/277/347V	**BAC** Meets the requirements of the Buy American Act of 1933 (BAA)[11,12]
			EM6	Emergency, 6W Self-Test/ Self-Diagnostic (not available for BAC)[1]	**BABAF** Meets the requirements of the Build America Buy America Act for projects funded through FHWA that are obligated before October 1, 2026, and meets the Buy America preferences for FTA[11,12]
			LC	Chicago Plenum[2]	
		R Remodeler (Non-IC)	**—**	Universal 120/277/347V	
		A AirSeal (IC)	**—**	Universal 120/277/347V	

Engine / Trim

Example: P6SDL20935CDZ10U

Series	Style	Lumen	CRI/CCT	Beam	Reflector	Flange
P6S						
P6S LyteProfile 6" square downlight	**DL** Downlight **LW** Lensed Wall Wash[3]	**10** 1000lm **15** 1500lm **20** 2000lm **25** 2500lm[4] **30** 3000lm[4] **35** 3500lm[4] **40** 4000lm[5] **45** 4500lm[5] **50** 5000lm[5]	**927** 90 CRI / 2700K **930** 90 CRI / 3000K **935** 90 CRI / 3500K **940** 90 CRI / 4000K	**M** Medium **W** Wide[3]	**CL** Specular clear **CC** Comfort clear **CD** Comfort clear diffuse	**—** White (matte) **B** Black (matte)[6] **A** Aluminum (painted)
					WH White (matte) **BK** Black (matte)	**—** White (matte) **B** Black (matte)[6]

Dimming / Options		Voltage		Options	
Z10	0-10V 1%	**U**	120/277V	**—**	None
Z10D20	0-10V 1% (dim to Off) (up to 3500lm)	**3**	347V (Z10 only) (up to 3000lm)	**R**	Retrofit[8] (not compatible with IEM6)
				F	Flex install (consult factory for ETO)[9]
L1	Lutron LDE1 EcoSystem 1%	**U**	120/277V	**IEM6**	Trim mounted EM test switch (for DL style only)
RA	Integral Interact RF sensor (up to 3500lm)[7]			**BAC**	Meets the requirements of the Buy American Act of 1933 (BAA)[11,12]
E	Forward & Revserse Phase (up to 2500lm)	**1**	120V	**BABAF**	Meets the requirements of the Build America Buy America Act for projects funded through FHWA that are obligated before October 1, 2026, and meets the Buy America preferences for FTA[11,12]

Accessories[11]

SWCS	Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SWCS spec sheet)[10]
CAEM6	Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V
6RNSR	6" round/square non-IC frame with Flex (F) light engine (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 2 for details)

*See page 2 for footnotes.

BABA BAA Declare c UL us LISTED IC INSULATION CONTACT WET LOCATION RoHS COMPLIANT ENERGY STAR interact ready.

P6S   LyteProfile 6"

Square Downlight & Lensed Wall Wash

Footnotes

1. Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 (not compatible w/347V or PoE configurations).
2. Chicago Plenum (LC) is not available for Buy American Compliant (BAC) configs.
3. Lensed wall wash (LW) style only available with Wide (W) beam (2500lm max).
4. Not available with AirSeal (A) frame.
5. Not available with AirSeal (A) frame. Available with CL, CC, and CD reflector finishes only.
6. Consult factory with ETO request for black (B) flange for all styles.
7. Linear driver profile. See dimensional data following. Specify only with non-IC (N) frame, not for use with LC or EM6 options.
8. Retrofits select legacy Lightolier luminaires. See pages 2 and 6 for details.
9. Flex install requires light engine & trim only (up to 4000lm only).Accessory frames available. Not compatible with standard frames andassociated options. Not available with Interact (RA) dimming and IEM6 trim.
10. Requires IRT9015 IR remote and Interact Builder App for commissioning (requires above ceiling access).
11. BAA compliance requires that BAC option be selected for each of frame, engine/trim. Frame and engine will be ordered/shipped together; trim will be ordered/shipped separately. Accessories (optional) are not currently BAA-compliant.
12. 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. Genlyte's products with a BAC option code designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. "BABAF" designates the product will meet the standards set by FHWA for BABA and FTA for Buy America. As noted, for FHWA BABA compliance, applicable projects must be funded by October 1, 2026.

Features

Optics

- Provides a 60° cutoff (physical and reflected)
- Available in wide (85°) and medium (75°) 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.

Quality of light

- Consult factory for RAL finishes
- Color consistency: 2 SDCM
- 80, 90 CRI minimum (Accurender)

Construction (New Construction)

- Galvanized stamped steal 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 D2O 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

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.

Flex engine (F)

- Frame-optional engine suited for new construction, remodel, and retrofit applications.
- 4RNSR new construction frame accessory available as required to support ceiling construction.
- All wiring is done on the integral j-box to the engine.

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: P6SDL20935WCDZ10UIEM6). DL style only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6SDL20935WCDZ10U). 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.

Options and Accessories

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 light engine with IEM6 option code (e.g. P6SDL20935WCDZ10UIEM6).

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.

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.

SWCS: Interact Ready System Bridge Accessory. Requires IRT9015 IR remote and Interact Builder App for commissioning. Refer to SWCS spec sheet for details.

ENERGY STAR® exceptions

- 500lm configurations
- Black finishes

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified
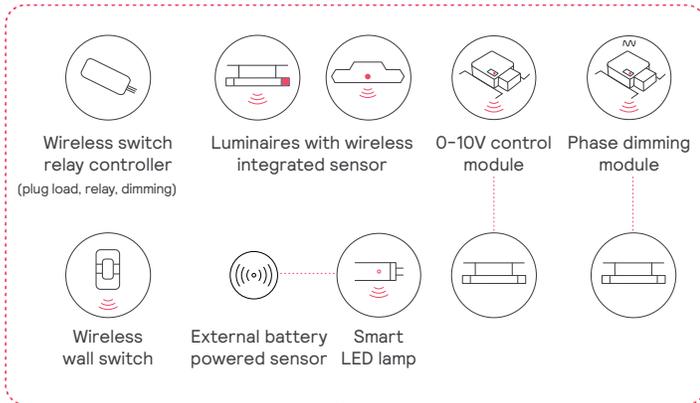- Red List Declare label certified, ID SIG-0017. (View full Declare label)

Warranty

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

P6S   LyteProfile 6"

Square Downlight & Lensed Wall Wash

Signify interact

Easy. Effective. Smart.

Wireless switch relay controller (plug load, relay, dimming)

Luminaires with wireless integrated sensor

0-10V control module

Phase dimming module

Wireless wall switch

External battery powered sensor

Smart LED lamp

Meet Interact

A smart, wireless luminaire level lighting control system (LLLC). A complete solution that combines modern and intuitive technologies for easy installation and specification.
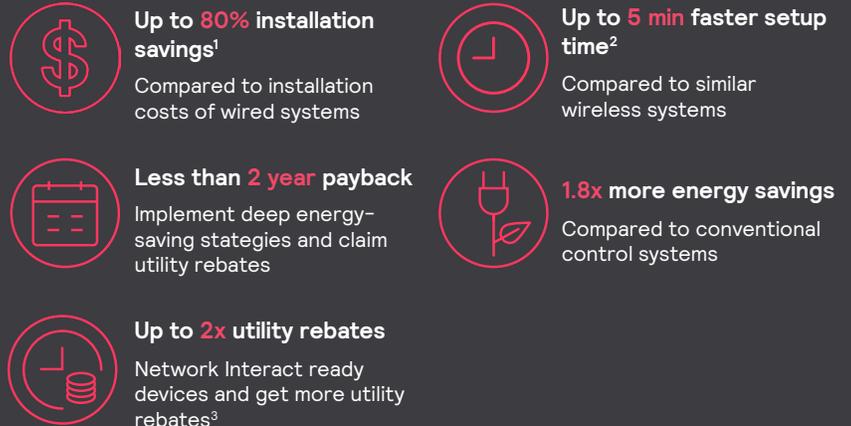
- Works with or without gateway
- **No** IT
- **No** light point restrictions
- **Up to 75%** out of the box savings
- **Fast** & **easy**
- **Code** & **rebates** compliant

Capabilities

Luminaire integrated occupancy and daylight sensing

BMS integration

Human-centric lighting

Connectivity & insights

Full Automation*

Security

*Grouping, zoning, dimming, high-end trimming, scenes, scheduling, manual controls

Benefits

Up to 80% installation savings[1]
Compared to installation costs of wired systems

Up to 5 min faster setup time[2]
Compared to similar wireless systems

Less than 2 year payback
Implement deep energy-saving stategies and claim utility rebates

1.8x more energy savings
Compared to conventional control systems

Up to 2x utility rebates
Network Interact ready devices and get more utility rebates[3]

1. Versus legacy systems based on installer interviews
2. Based on installer analysis done by Signify for a typical multi-zone space
3. Utility programs across US

Just lights and an App

1. Install the Interact ready fixtures with embedded smart sensor
2. Install the wireless wall switch
3. Configure your setup with the Interact App
4. Leverage the IRT9015 remote accessory to accelerate your setup process
5. Optionally add a gateway for insights and management

Learn more about Interact:

Interact includes an app, a web portal, and a comprehensive range of Interact ready wireless luminaires, lamps, retrofit kits, and control devices like switches and sensors that operate within the same system.

P6S LyteProfile 6"

Square Downlight & Lensed Wall Wash

Controls Options*

Interact radio node for Standalone, Gateway & Gateway + IoT tiers (RA)

RA sensor option is a connected radio node supporting wireless mesh connectivity.

Compatible with standalone and gateway modes of Interact.

Interact occupancy & daylight sensor for Standalone, Gateway & Gateway + IoT tiers (CS)

The CS sensor option is a connected sensor with built-in occupancy and daylight detection, along with wireless mesh connectivity.

Compatible with standalone and gateway modes of Interact.

Interact advanced sensor bundle for Gateway + IoT tier (SB)

SB sensor option offers occupancy and daylight sensing and supports advanced IoT capabilities, such as desk-level temperature and humidity monitoring, noise classification, and Bluetooth Low Energy (BLE) beacon functionality.

Setup requires a compatible gateway and internet connectivity.

With compatible gateway and software analytics, SB sensor option enables greater building efficiency, seamless system integration, and optimized space utilization through occupancy and environmental insights.

Interact for intelligent buildings sensor option codes across Genlyte product lines*				
	Sensor part #	Daybrite	Ledalite	Lightolier
Zigbee + Bluetooth	SC100B	RADIO	RA	RA
Zigbee + Bluetooth + Sensing	SC200B	SWZCS	CS	SBA or SWCS accessory
Zigbee + Bluetooth + Sensing + Environmental data	SC1500	IAOSB	SB	SBA or SWCS accessory
Zigbee + Highbay + Bluetooth + Sensing	SNH210 IA	SWZCSH	–	–

P6S   LyteProfile 6"
Square Downlight & Lensed Wall Wash

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 CRI[1]
- Helps meet Title 24 requirements

Show your true colors

High color rendering:

- True to life colors to 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
  R_9 up to 67 CRI $R_{f,h1}$ up to 91 TM-30
  G_a up to 99 CRI R_9 up to 100 TM-30
  C_9 up to 94 CRI $R_{cs,h1}$ up to -5% TM-30

Achieve color balance

Best in class color consistency:

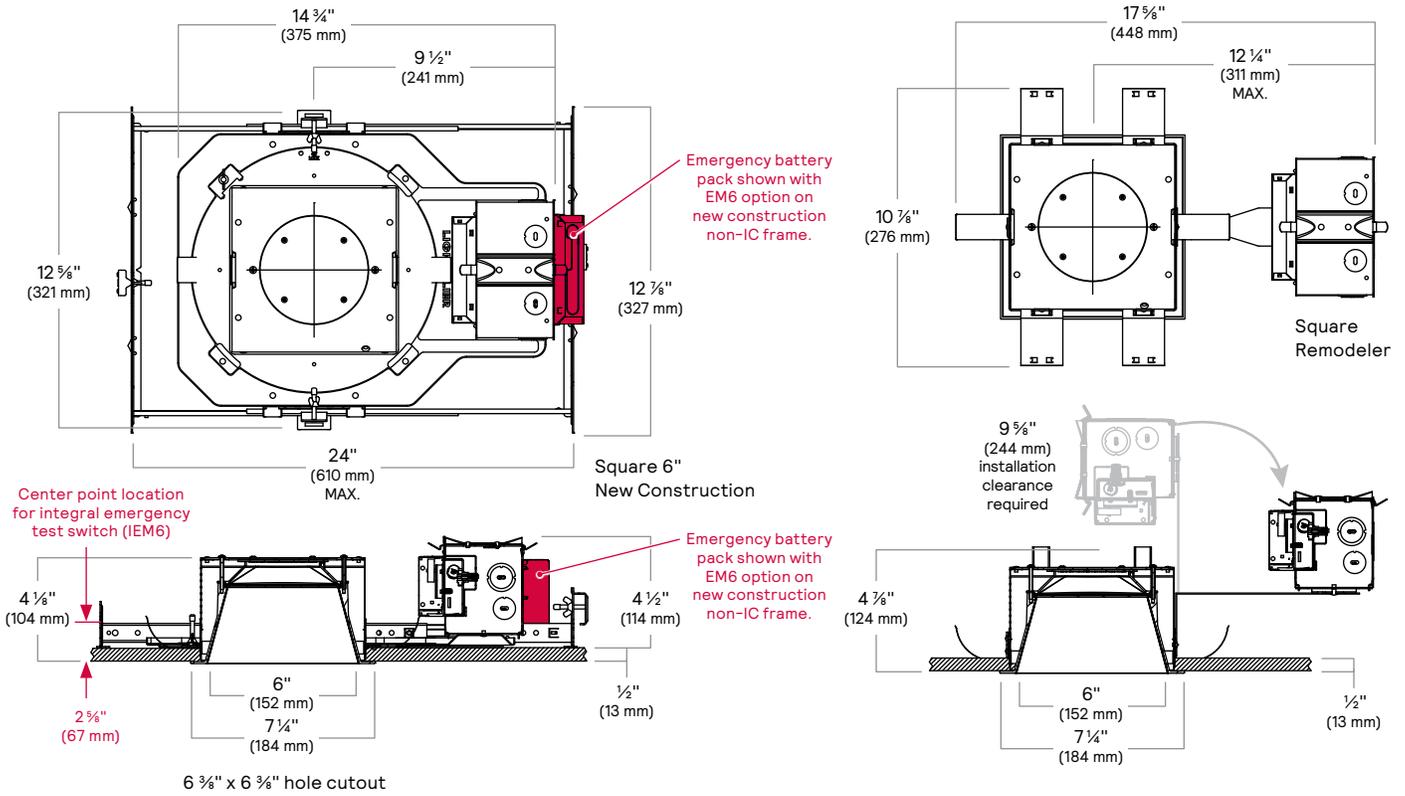- Promote aesthetic harmony in your space with ≤ 2 SDCM

Electrical (Input frequency of 50/60Hz)

Product	Input Volts	Input Current (A)	Drive Current (A)	Input Power (W)	LED Power	THD Factor @ Max Load	Power Factor @ Max Load
P6SDL10_Z10U/3	120V	0.088A	0.25A	10.6W	8.7W	<10%	>0.9
	277V	0.039A	0.25A	10.9W	8.7W	<20%	>0.9
	347V	0.036A	0.25A	12.4W	8.7W	<30%	>0.9
P6SDL15_Z10U/3	120V	0.129A	0.38A	15.5W	13.0W	<10%	>0.9
	277V	0.056A	0.38A	15.6W	13.0W	<10%	>0.9
	347V	0.051A	0.38A	17.8W	13.0W	<25%	>0.9
P6SDL20_Z10U/3	120V	0.171A	0.50A	20.5W	17.3W	<10%	>0.9
	277V	0.074A	0.50A	20.6W	17.3W	<10%	>0.9
	347V	0.066A	0.50A	22.8W	17.3W	<20%	>0.9
P6SDL25_Z10U/3	120V	0.210A	0.62A	25.2W	21.5W	<10%	>0.9
	277V	0.092A	0.62A	25.4W	21.5W	<10%	>0.9
	347V	0.077A	0.62A	26.8W	21.5W	<20%	>0.9
P6SDL30_Z10U/3	120V	0.236A	0.70A	28.3W	24.2W	<10%	>0.9
	277V	0.102A	0.70A	28.2W	24.2W	<10%	>0.9
	347V	0.085A	0.70A	29.5W	24.2W	<15%	>0.9
P6SDL35_Z10U/3	120V	0.298A	0.89A	35.8W	30.8W	<10%	>0.9
	277V	0.129A	0.89A	35.8W	30.8W	<10%	>0.9
	347V	0.106A	0.89A	36.7W	30.8W	<10%	>0.9
P6SDL40_Z10U/3	120V	0.345A	1.03A	41.4W	35.6W	<10%	>0.9
	277V	0.150A	1.03A	41.4W	35.6W	<10%	>0.9
	347V	0.122A	1.03A	42.4W	35.6W	<10%	>0.9
P6SDL45_Z10U/3	120V	0.392A	1.17A	47.1W	40.5W	<10%	>0.9
	277V	0.170A	1.17A	47.1W	40.5W	<10%	>0.9
	347V	0.139A	1.17A	48.2W	40.5W	<10%	>0.9
P6SDL50_Z10U/3	120V	0.453A	1.35A	54.3W	46.7W	<10%	>0.9
	277V	0.196A	1.35A	54.3W	46.7W	<10%	>0.9
	347V	0.158A	1.35A	55.0W	46.7W	<10%	>0.9

P6S LyteProfile 6"

Square Downlight & Lensed Wall Wash

New construction

14 ¾"
(375 mm)

9 ½"
(241 mm)

12 ⅝"
(321 mm)

12 ⅞"
(327 mm)

Emergency battery pack shown with EM6 option on new construction non-IC frame.

24"
(610 mm)
MAX.

Square 6"
New Construction

Center point location for integral emergency test switch (IEM6)

4 ⅛"
(104 mm)

2 ⅝"
(67 mm)

6"
(152 mm)

7 ¼"
(184 mm)

6 ⅜" x 6 ⅜" hole cutout

Emergency battery pack shown with EM6 option on new construction non-IC frame.

4 ½"
(114 mm)

½"
(13 mm)

17 ⅝"
(448 mm)

12 ¼"
(311 mm)
MAX.

10 ⅞"
(276 mm)

Square Remodeler

9 ⅝"
(244 mm)
installation clearance required

4 ⅞"
(124 mm)

6"
(152 mm)

7 ¼"
(184 mm)

½"
(13 mm)

AirSeal (A)

13 ¼ in
337 mm

10 ½ in
267 mm

20 ⅛ in
511 mm

15 in
381 mm

7 ¼ in
184 mm

Linear driver (RA)

8 ¾ in
222 mm

12 in
305 mm

20 ¾ in
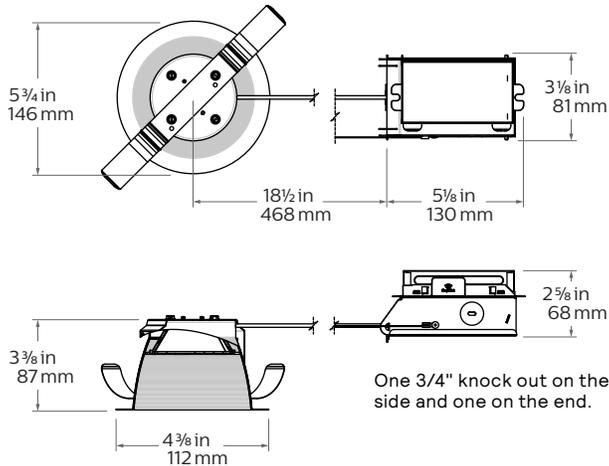527 mm

2 in
51 mm

1 ¼ in
32 mm

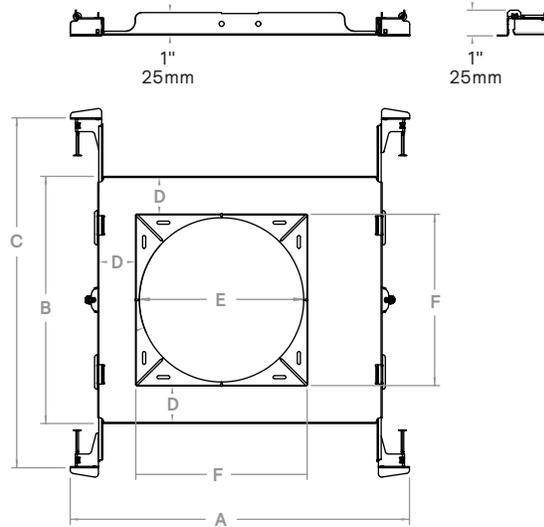Requires either top access or 19" plenum space without sensor, and 22" with sensor.

P6S LyteProfile 6"

Square Downlight & Lensed Wall Wash
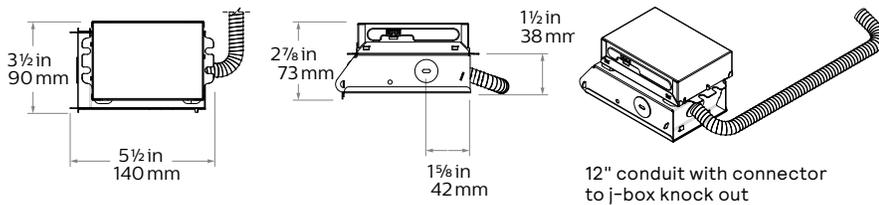
Flex Install (F)

(Flex architecture available as ETO, consult factory)

5 ¾ in 146 mm

18 ½ in 468 mm

5 ⅛ in 130 mm

3 ⅛ in 81 mm

3 ⅜ in 87 mm

4 ⅜ in 112 mm

2 ⅝ in 68 mm

One 3/4" knock out on the side and one on the end.

4RNSR Flex install non-IC frame

1" 25mm

1" 25mm

LCEM6 Flex install (F) engine only

3 ½ in 90 mm

5 ½ in 140 mm

2 ⅞ in 73 mm

1 ⅝ in 42 mm

1 ½ in 38 mm

12" conduit with connector to j-box knock out

A	B	C	D	E	F
10 ⅞" 276mm	7 ¼" 184mm	13 ⅝" 345mm	1" 25mm	4 ⅞" 124mm	5 ¼" 132mm

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.

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

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

Black (BK): Painted matte finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly.

Flanges

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

Black (BK): Painted matte finish that provides the lowest aperture brightness possible.

Aluminum (A): Painted aluminum finish to more closely match visual appearance of anodized inner trim surface.
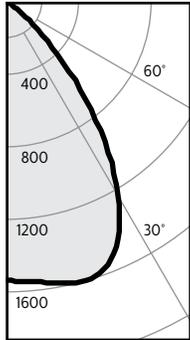
P6S LyteProfile 6"
Square Downlight & Lensed Wall Wash

Adjustment Factors

Finish	CRI/CCT	Lumens	
CL = 100%	90CRI 4000K = 106%	5000lm = 167%	2500lm = 83%
CC = 86%	90CRI 3500K = 104%	4500lm = 150%	2000lm = 67%
CD = 91%	90CRI 3000K = 100%	4000lm = 133%	1500lm = 50%
WH = 90%	90CRI 2700K = 96%	3500lm = 117%	1000lm = 33%
BK = 54%		3000lm = 100%	

Downlight, Medium beam, 20W LED, 90CRI, 3500K

Candela Curves

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	1253	57.5%
0-40	1833	84.1%
0-60	2177	99.9%
0-90	2180	100.0%

Report[1]:
P6SDL20935MCLZ10U.IES

Output Lms: 3100lms
Input Watts[2]: 29.4W
Efficacy: 105.4lm/w
CCT[3]: 3000K
CRI: 90min
Beam Angle: 76°
Spacing Crit.: 1.22

Angle	Mean CP	Lms
0	1534	
5	1544	
10	1571	148
15	1593	
20	1564	449
25	1443	
30	1225	655
35	940	
40	635	581
45	360	
50	163	284
55	57	
60	13	59
65	2	
70	1	3
75	0	
80	0	0
85	0	
90	0	0

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	61	5.9'
6'	43	7.1'
7'	31	8.3'
8'	24	9.4'
9'	19	10.6'

*Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data – RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	98.0	0.91
6'	64.0	0.60
7'	46.0	0.43
8'	38.0	0.35
9'	31.0	0.28

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	113	110	107	105	108	103	104	100	100	97	92
2	107	101	97	93	100	92	96	90	93	88	85
3	101	94	88	84	92	83	90	82	87	81	78
4	95	87	81	76	85	76	83	75	81	74	71
5	90	80	74	69	79	69	78	68	76	68	66
6	85	75	68	64	74	63	72	63	71	63	61
7	80	70	63	59	69	59	68	58	67	58	56
8	76	65	59	54	65	54	64	54	63	54	52
9	72	61	55	51	61	51	60	50	59	50	49
10	68	58	52	47	57	47	56	47	56	47	45

(Room Cavity Ratio)

Downlight, Wide beam, 20W LED, 90CRI, 3500K

Candela Curves
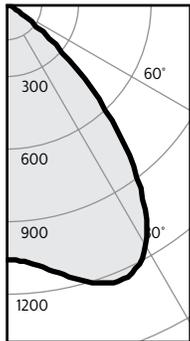
Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	996	47.7%
0-40	1599	76.6%
0-60	2081	99.7%
0-90	2087	100.0%

Report[1]:
P6SDL20935WCLZ10U.IES

Output Lms: 3100lms
Input Watts[2]: 29.4W
Efficacy: 105.4lm/w
CCT[3]: 3000K
CRI: 90min
Beam Angle: 76°
Spacing Crit.: 1.22

Angle	Mean CP	Lms
0	1052	
5	1070	
10	1116	104
15	1175	
20	1221	334
25	1222	
30	1144	558
35	979	
40	751	603
45	495	
50	264	381
55	100	
60	21	101
65	2	
70	1	5
75	0	
80	0	1
85	0	
90	0	0

Single unit data

Height to lighted plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	42	7.1'
6'	29	8.5'
7'	21	9.9'
8'	16	11.4'
9'	13	12.8'

*Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data – RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	92.0	0.91
6'	61.0	0.60
7'	43.0	0.43
8'	36.0	0.35
9'	29.0	0.28

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	113	110	107	105	108	103	104	100	100	97	92
2	107	101	97	93	100	92	96	90	93	88	85
3	101	94	88	84	92	83	90	82	87	81	78
4	95	87	81	76	85	76	83	75	81	74	71
5	90	80	74	69	79	69	78	68	76	68	66
6	85	75	68	64	74	63	72	63	71	63	61
7	80	70	63	59	69	59	68	58	67	58	56
8	76	65	59	54	65	54	64	54	63	54	52
9	72	61	55	51	61	51	60	50	59	50	49
10	68	58	52	47	57	47	56	47	56	47	45

(Room Cavity Ratio)

---

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
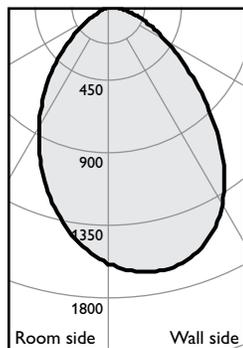
P6S LyteProfile 6"

Square Downlight & Lensed Wall Wash

Adjustment Factors

Finish	CRI/CCT	Lumens	
CL = 100%	90 CRI 4000K = 106%	5000lm = 167%	2500lm = 83%
CC = 86%	90 CRI 3500K = 104%	4500lm = 150%	2000lm = 67%
CD = 91%	90 CRI 3000K = 100%	4000lm = 133%	1500lm = 50%
WH = 90%	90 CRI 2700K = 96%	3500lm = 117%	1000lm = 33%
BK = 54%		3000lm = 100%	

Lensed Wall Wash, Wide beam, 29W LED, 90 CRI, 3000 K

Candela Curve

Room side   Wall side

Report[1]:
P6SLW30930CLZ10U.IES

Output Lms:	2797lms
Input Watts[2]:	29.4W
Efficacy:	95.1lm/w
CCT[3]:	3000K
CRI:	90 min

Multiple unit data
Footcandles on wall

2' from wall — 3' on ctr.

Distance from ceiling in feet			
1	54	46	54
2	87	80	87
3	81	78	81
4	62	62	62
5	45	45	45
6	33	33	33
7	25	25	25
8	19	19	19
9	15	15	15
10	12	12	12
12	10	10	10
14	9	9	9

Multiple unit data
Footcandles on wall

3' from wall — 3' on ctr.

Distance from ceiling in feet			
1	25	24	25
2	47	46	47
3	56	56	56
4	55	55	55
5	47	47	47
6	38	38	38
7	30	30	30
8	24	24	24
9	19	19	19
10	16	16	16
12	13	13	13
14	11	11	11

Multiple unit data
Footcandles on wall

3' from wall — 4' on ctr.

Distance from ceiling in feet			
1	22	18	22
2	39	34	39
3	45	41	45
4	43	40	43
5	36	34	36
6	29	28	29
7	23	22	23
8	18	18	18
9	15	14	15
10	12	12	12
12	10	10	10
14	8	8	8

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

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