Downlighting

LIGHTOLIER

LyteProfile 6"







P6S Square Downlight & Wall Wash

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)

roject:
ocation:
at.No:
ре:
ty:
atas:

Frame Standard example: 6SN

Series 6	Aperture	Installation	Option	is		
6 Uniframe 6" Non-IC	S Square	N New construction (Non-IC)	— ЕМ6	Universal 120/277/347V Emergency, 6W Self-Test/Self- Diagnostic (not available for BAC) 1	LC BAC	Chicago Plenum ² 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: P6SDL20935CDZ10U

Series	Style	Lumen	CRI/CCT	Beam	Reflector	Flange	Dimming / Options	Voltage	Options
P6S									
P6S LyteProfile 6" square downlight	DL Downlight LW Lensed Wall Wash ³	10 1000 lm 15 1500 lm 20 2000 lm 25 2500 lm ⁴ 30 3000 lm ⁴ 35 3500 lm ⁴	927 90CRI/2700K 930 90CRI/3000K 935 90CRI/3500K 940 90CRI/4000K	M Medium W Wide ³	CL Specular clear CC Comfort clear CD Comfort clear diffuse WH White (matte)	White (matte) B Black (matte) ⁶ A Aluminum (painted) White (matte)	Z10 0-10V 1% Z10D20 0-10V 1% (dim to Off) (up to 3500lm) L1 Lutron LDE1 EcoSystem 1%	U 120/277V 3 347V (Z10 only) (up to 3000lm) U 120/277V	None R Retrofit® (not compatible with IEM6) F Flex install (consult factory for ETO)®
		40 4000 lm ⁵ 45 4500 lm ⁵			BK Black (matte)	B Black (matte) ⁶	RA Integral Interaction RF sensor (up to		IEM6 Trim mounted EM test switch
		50 5000lm ⁵					E Forward & Revserse Phase (1 120V up to 2500lm)	(for DL style only)

Accessories

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)

- 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 and associated options. Not available with Interact (RA) dimming and IEM6 trim.
- 10. Requires IRT9015 IR remote and Interact Pro App for commissioning (requires above ceiling access).













Square Downlight & Lensed Wall Wash

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 dimto-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 stepdown 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 Pro 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.

Square 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 Y

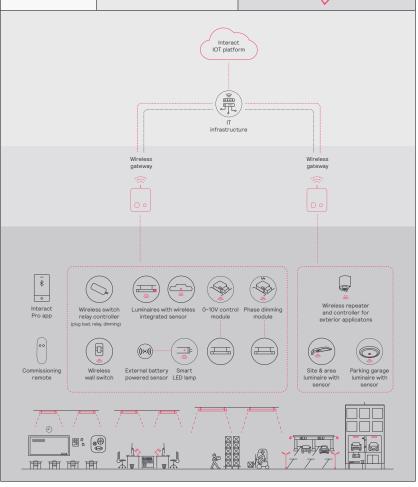
Support for sensor-based Tunable White luminaires New	✓	~	~
Energy reporting and monitoring		✓	~
Scheduling		✓	~
Demand response		✓	~
BMS integration (BACnet)			~
Floor plan visualization			~
IoT sensors for wellness			~
IoT Apps for productivity			~

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



Square Downlight & Lensed 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	-	-

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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 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_g up to 67 CRI
 R_{th1} up to 91 TM-30
 G_a up to 99 CRI
 R_g up to 100 TM-30
 C_g up to 94 CRI
 R_{cs,h1} up to -5% TM-30

Achieve color balance

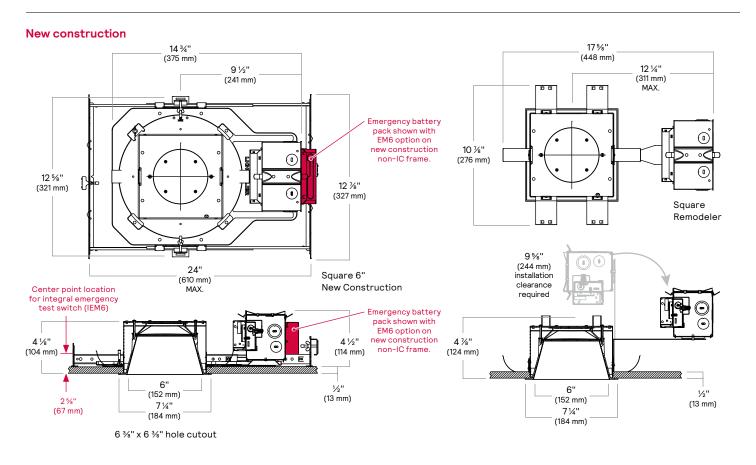
Best in class color consistency:

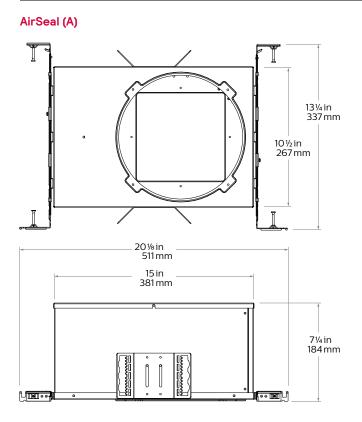
 Promote aesthetic harmony in your space with ≤ 2 SDCM

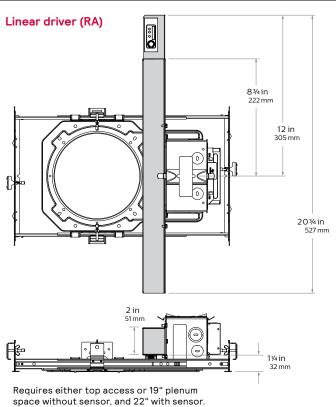
Electrical (Input frequency of 50/60Hz)

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

Square Downlight & Lensed Wall Wash



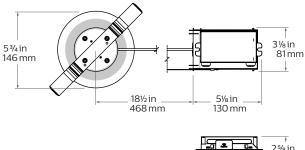


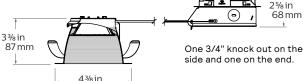


Square Downlight & Lensed Wall Wash

Flex Install (F)

(Flex architecture available as ETO, consult factory)

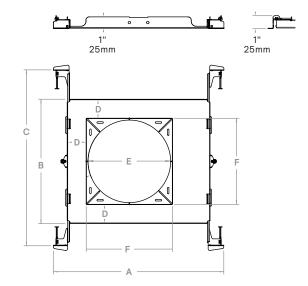




LCEM6 Flex install (F) engine only

112 mm





3½in 90 mm	21/a in 73 mm . ②	1½ in 38 mm	
140 mm	1⅓in 42mm	12" conduit with conr to j-box knock out	ector

Α	В	С	D	E	F
10 ¾"	7¼"	13 %"	1"	4%"	5¼"
276mm	184mm	345mm	25mm	124mm	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.

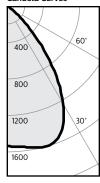
Square Downlight & Lensed Wall Wash

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, 90 CRI, 3500 K

Candela Curves



,,,							
Zonal lumens 8	percentages	Angle	Mean CP	Lms			
Zone Lumen	%Luminaire	0	1534				
0-30 1250 0-40 1830		10	1544 1571	148			
0-60 217 0-90 2180	7 99.9%	15 20	1593 1564	449			
0 00 2100	100.070	25 30	1443 1225	655			
Report¹: P6SDL20935N	ICLZ10U.IES	35 40	940 635	581			
Output Lms:		45 50 55	360 163 57	284			
nput Watts ² : Efficacy: CCT ³ :	105.4 lm/w 3000 K	60 65	13 2	59			
CRI:	90 min 76°	70 75	1 0	3			
Beam Angle: Spacing Crit.:		80 85	0	0			
		65	0				

Single unit data

	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
9'	31.0	0.28

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

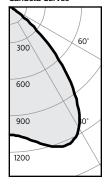
Coefficients of utilization

Cei	ling		80)%		70% 50%)%	30%		0%	
Wa	II	70	50	30	10	50	10	50	10	50	10	0
RC	R	Zon	al cav	ity m	ethod	l – Eff	ectiv	e floo	r refl	ectan	ce = :	20%
	0	119	119	119	119	116	116	111	111	106	106	100
0	1	113	110	107	105	108	103	104	100	100	97	92
2 2		107	101	97	93	100	92	96	90	93	88	85
20	3	101	94	88	84	92	83	90	82	87	81	78
ΞΞ	4	95	87	81	76	85	76	83	75	81	74	71
aS	5	90	80	74	69	79	69	78	68	76	68	66
Room Cavity Ratio	6	85	75	68	64	74	63	72	63	71	63	61
O	7	80	70	63	59	69	59	68	58	67	58	56
2	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

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

Beam Angle: Spacing Crit.: 1.22

Candela Curves



Zonal lu	umens 8	percentages	8	Angle	Mean CP	Lms
Zone	Lumen	s %Luminaire	- e	0	1052	
	00/	47.70	_	5	1070	
0-30	996		-	10	1116	104
0-40	1599		-	15	1175	
0-60	208		-	20	1221	334
0-90	208	7 100.0%	6	25	1222	
				30	1144	558
Report	-1-			35	979	
		VCLZ10U.IES		40	751	603
	203001	VOLZ IOO.ILO	_	45	495	
Output	t Lms:	3100 lms		50	264	381
Input V	Vatts2:	29.4W		55	100	
Efficac	v:	105.4 lm/w		60	21	101
CCT3:	,	3000K		65	2	
CRI:		90 min		70	1	5
					_	ı

1052 1070 1116 1175 104 334 1144 558 751 495 603 381 100 21 101 5 1

75

80 85

Single unit data

•	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

Initial center beam foot-candles	Watts per sq.ft.
92.0	0.91
61.0	0.60
43.0	0.43
36.0	0.35
29.0	0.28
	92.0 61.0 43.0 36.0

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

Coefficients of utilization

Ceil	ing	ng 80%		70%		50%		30%		0%		
Wall		70	50	30	10	50	10	50	10	50	10	0
RCR	1	Zon	Zonal cavity method - Effective floor reflectance = 20							20%		
	0	119	119	119	119	116	116	111	111	106	106	100
0	1	113	110	107	105	108	103	104	100	100	97	92
Ť.	2	107	101	97	93	100	92	96	90	93	88	85
200	3	101	94	88	84	92	83	90	82	87	81	78
Room Cavity Ratio	4	95	87	81	76	85	76	83	75	81	74	71
á	5	90	80	74	69	79	69	78	68	76	68	66
Ö	6	85	75	68	64	74	63	72	63	71	63	61
οū	7	80	70	63	59	69	59	68	58	67	58	56
8	8	76	65	59	54	65	54	64	54	63	54	52
	9	72	61	55	51	61	51	60	50	59	50	49
1	10	68	58	52	47	57	47	56	47	56	47	45
	10	00	36	32	4/	1 3/	47	1 30	47	1 36	4/	45

- 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.

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%			

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

Candela Curve 450 900 350 1800 Wall side Room side

Report1: P6SLW30930CLZ10U.IES 27971ms Output Lms: Input Watts²: 29.4W Efficacy: 95.1lm/w CCT3. 3000K 90 min

Footcandles on wall						
	2' from wall 3' on ctr.					
Distance from ceiling in feet 7 0 6 8 2 9 9 7 8 8 7 1	54 87 81 62 45 33 25	46 80 78 62 45 33 25	54 87 81 62 45 33 25			
Distance 11 14	15 12 10 9	15 12 10 9	15 12 10 9			

Multiple unit data

Footcandles on wall					
	3' from wall 3' on ctr.				
Distance from ceiling in feet 7 1 2 0 8 2 9 9 4 7 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	25 47 56 55 47 38 30 24 19 16 13	24 46 56 55 47 38 30 24 19 16 13	25 47 56 55 47 38 30 24 19 16 13		

Multiple unit data

Footcandles on wall					
		5	from wa		
<u> </u>	1	22	18	22	
Distance from ceiling in feet	2	39	34	39	
n L	2 3	45	41	45	
jg	4	43	40	43	
Ė	5	36	34	36	
8	6	29	28	29	
ОП	7	23	22	23	
Ţ.	8	18	18	18	
õ	9	15	14	15	
tai	10	12	12	12	
ä	12	10	10	10	

Multiple unit data

^{3.} Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.



presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

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^{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%