4" Square LED Wall Wash Downlight
LF4SQML WW
120V - 277V
0-10V Dimming

LiteFrame®

Ceiling Cutout: 5-1/4"x 5-1/4"
Maximum Ceiling Thickness 1¼"
For conversion to millimeters,
multiply inches by 25.4
Not to Scale

See page 3 for CP
and NX(W)E line art

APPLICATIONS:
LiteFrame LF4SQML WW is a 4" specification grade LED lensed downlight that high efficiency LEDs to obtain color consistency, energy savings, and low maintenance costs. 50,000 hours minimum life up to 35°C (95°F) in open plenum applications.

HOUSING:
One-piece 22 gauge non-corrosive steel platform. Pre-wired j-box with snap-on cover for easy access. Snap-in- connection from driver compartment allows easy installation of light engine/trim assembly without tools above or below the ceiling and can be upgraded to accommodate technology improvements. Approved for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

REFLECTOR:
High purity aluminum, Alzak, iridescence suppressed, semi-diffuse upper re ector. Wall wash comes standard with a self-trim and diffuse lens. Painted white self-trim (WT) available as option. Reflector is made from anodized Alanod Miro 4 aluminum.

LED LIGHT ENGINE:
The LF4SQML uses the Philips Fortimo DLM LED Module. This module provides controlled color consistency (3 SDCM) from fixture to fixture. The system is designed for optional life and lumen maintenance (>50,000 hours at 70% lumen maintenance). Both reflector and light engine assembly are mechanically retained to housing.

LED DRIVER:
The LF4SQML utilizes the Philips Fortimo LED Driver specifically designed to optimize efficiency of the Fortimo DLM Module. Driver is designed to match the 50,000 hour minimum life expectancy of the system. Meets UL Class 2, inherent short circuit protection, self limited, overload protected. If critical temperatures are reached on driver or LED module, integrated thermal feedback loop will gradually reduce current to protect system life. Driver is universal 120V-277V. Optional Lutron Series A driver is also available.

DIMMING:
Comes standard with 0-10V dimming capability. Flicker-free dimming to 10%. 0-10V control may consume up to 1mA. 0-10V, Lutron 2 wire and EcoSystem dimming available to 1% and DMX with RDM (remote device management) dimming to less than 0.1%.

INSTALLATION:
Adjustable Bar hangers included (not with CP option). Universal adjustable mounting brackets also accept 1/2" EMT conduit or 1 1/2" or 3/4" lathing channel (by others) or Prescolite 24" bar hangers (B24 or B6). Housing provides up to 6° rotational adjustment of the square trim.

CERTIFICATIONS:
CSA certified to US and Canadian safety standards. Suitable for wet locations. Approved for through wiring. Non-IC rated.
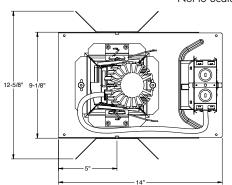
WARRANTY:
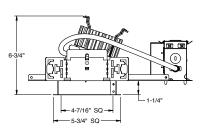5 year warranty. See www.prescolite.com for details.

CATALOG NUMBER:

EXAMPLE: LF4SQMLDM1WW-4SQML30L30K8WW

Order housing, reflector, and accessories separately

HOUSING	DRIVER OPTIONS	VOLTAGE OPTION	HOUSING OPTIONS		TRIM APERTURE	KELVIN	REF. COLOR OPTIONS	REFLECTOR OPTIONS		ACCESSORIES
❏ **LF4SQML** Medium Lumen 0-10V 10% dimming 120V-277V	*Standard 0-10V 10% Dimming* ❏ **DM1**[1] 0-10V dimming at 1%	*Standard 120V-277V* ❏ **120** 120V	❏ **CP**[4,5,9,10] Chicago Plenum	**–**	❏ **4SQML30L** Semi-Diffuse Clear Alzak Reflector with 3000 Lumen Module	❏ **27K** 2700 Kelvin	*Standard Clear Alzak* ❏ **CG** Champagne Gold Alzak	❏ **WW**[2] Wall Wash	**–**	❏ **B24**[5] Set of two 24" bar hangers for T-bar ceilings
	❏ **EDM**[4,6] Hi-Lume 1% EcoSystem LED Driver	❏ **277** 277V	❏ **WW**[2] Wall Wash			❏ **30K** 3000 Kelvin	❏ **BL** Black Alzak	**TRIM OPTIONS**		❏ **B6**[5] Set of two (2) bar hangers for ceiling joist up to 24" centers
	❏ **2DM**[4,6] Hi-Lume 1% 2-wire LED Driver (120V only)	❏ **347** 347V	❏ **LV**[7] Lutron Vive Enabled, 0-10V, 120-277V			❏ **35K** 3500 Kelvin	❏ **WE** Wheat Alzak	❏ **WT** Painted White Flange only		❏ **LiteGear**[3] Inverter, single phase central lighting, 125VA-250VA
	❏ **DMX**[4,6] DMX with RDM dimming to <0.1%		❏ **LVE (EDM Only)** Lutron Vive Enabled, EcoSystem			❏ **40K** 4000 Kelvin	❏ **LW** Light Wheat Alzak			❏ **LPS Series**[3] LitePower micro-inverter, 20VA-55VA
			❏ **NXWE**[8,9,10] NX Wireless Enabled			❏ **50K** 5000 Kelvin	❏ **PW** Pewter Alzak			
			❏ **NXE**[8,9,10] NX Enabled, Dual SmartPorts			**CRI**	❏ **WH** Painted Matte White Reflector and Flange			
						❏ **8** 80+ CRI	❏ **BC** Painted Black Reflector and Flange			
						❏ **9** 90+ CRI				

Notes:
1. For DM1, do not specify a voltage if 120 or 277
2. WW option required on both housing and trim.
3. See Central Inverter compatibility note and web links on page 3
4. Not available with 347V
5. Accessories should be selected with CP if required
6. Voltage must be specified if EDM, 2DM, or DMX
7. LV requires standard dimming or DM1
8. Not available with CP option
9. Not available with EDM, 2DM or DMX
10. Not available with LV or LVE

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In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.
Web: **www.prescolite.com** • Tech Support: **(888) 777-4832**

LFR-LED-054

PHOTOMETRIC DATA

LiteFrame - 4" LF4SQML WW Wall Wash

DRIVER DATA	4SQML30L
Input Voltage	120V-277V
Input Frequency	50/60 Hz
Input Current	0.273A (120V)
	0.118A (277V)
Input Power	32.7W
Power Factor	≥0.90
THD	<20%
EMI Filtering	FCC 47CFR
	Part 15, Class A
Operating Temperature	-20℃ to 35℃
Dimming	0-10V

Over-voltage, over-current, short-circuit protected

*Power consumptionand photometric output may vary slightly with various driver and CRI options.

Lumen Multiplier Table

Photometrics published below are for the 3000K, 80 CRI.
This table may be used to approximate the lumen values at different Kelvin temperatures and CRI.

4000 Kelvin	1.07
3500 Kelvin	1.00
3000 Kelvin	1.00
2700 Kelvin	0.95

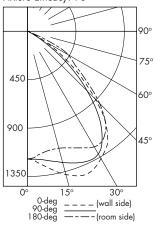|	
80 CRI	1.00
90 CRI	0.91

Delivered Lumens

The table below shows the delivered lumens for the various lumen outputs.

Output	CRI	Distribution	Delivered Lumens	Input Watts	Lumens Per Watt	Full Catalog String
30L	80	WW	3194	32.7	98	LF4SQML-4SQML30L30K8WW

LF4SQML-4SQML30L30K8WW
LED Light Engine: 3000K, 80 CRI
System Wattage: 32.7W
Fixture Delivered Lumens: 3194
Fixture Efficacy: 98

CANDELA DISTRIBUTION

DEG	0	90	180
0	1191	1191	1191
5	1236	1199	1157
15	1382	1267	1129
25	1430	1334	1199
35	1295	1213	1230
45	894	787	951
55	392	288	536
65	42	28	214
75	6	6	8
85	0	0	3
90	0	0	0

0-deg – – – (wall side)
90-deg ——— (room side)
180-deg – – – – (room side)

Test No. 18.00412-03
Tested at 25℃ Ambient in accordance to IESNA LM-79-2008

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	0 DEG	90 DEG	180 DEG
45°	96722	130590	85127
55°	52285	80120	38367
65°	7658	19399	5105
75°	1667	1667	1667
85°	0	2475	0

MULTIPLE UNITS

| | 1′ | 2′ | 3′ | 4′ | | UNITS ON 3′ CENTER | | | UNITS ON 4′ CENTER | | |

2.5′ DISTANCE FIXTURE MOUNTED OUT FROM WALLS
FOOTCANDLE DISTRIBUTION ON WALL SURFACE (Direct Only)

DISTANCE FROM CEILING IN FEET

	1′	2′	3′	4′		3′ center			4′ center		
1	3	2	2	1	1	4	4	4	4	4	4
2	34	21	3	2	1	37	42	37	35	25	36
3	52	42	15	3	2	67	84	67	58	65	58
4	38	35	19	7	3	58	70	58	48	62	49
5	25	24	17	9	4	42	48	42	36	45	36
6	17	16	13	9	5	30	32	30	27	31	27
7	12	11	10	8	5	22	23	22	20	22	21
8	8	8	8	7	5	16	17	17	16	17	16
9	7	7	6	6	5	13	13	13	13	13	13

LF4SQML-4SQML30L30K8WW   Test No. 18.00412-03

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Dimming Compatibility Table

Dimming Ballast	Manufacturer	Web Link
DM/DM1	Lutron DVTV	http://bit.ly/11jSvZg
DM/DM1	Leviton AWRMG-7xx, AWSMG-7xx, AWSMT-7xx	http://bit.ly/1BJn2R9
EDM	Lutron	http://bit.ly/1vtjHAl
2DM	Lutron	http://bit.ly/1S4WjXK

DMX
See instruction sheet on www.prescolite.com for connection & installation information.
Other useful links: http://www.eldoled.com/led-drivers/powerdrive/50-watt/ac-561s/

Central Inverters
For full fixture output in back-up mode, we recommend you visit www.dual-lite.com for your Central Lighting Inverter options. Please contact your local Hubbell representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.

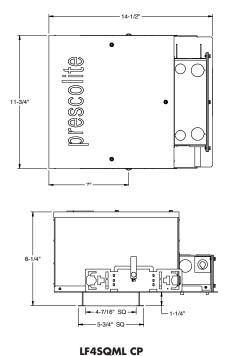**LiteGear:** www.dual-lite.com/products/litegear_lg_series
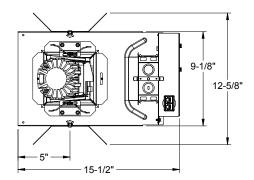**LPS Series:** www.dual-lite.com/products/lps

NX Distrubuted Intelligence: NX DISTRIBUTED INTELLIGENCE
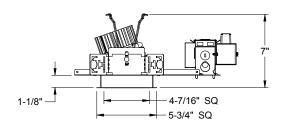Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enables emerging applications such as Hubbell Lighting's SpectraSync™ color tuning technology.
See separate NX™ Solutions Guide for additional details.
See Hubbell Controls Solution NX Brochure.

LF4SQML CP

LF4SQML WW NX(W)E

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