6" LED Wall Wash Downlight
LF6ML WW
120V - 277V
0-10V Dimming

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____

LiteFrame®

Ceiling Cutout: 6¼"
Maximum Ceiling Thickness 1¼"
For conversion to millimeters,
multiply inches by 25.4
Not to Scale

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

APPLICATIONS:
LiteFrame LF6ML is a 6" specification grade LED wall wash downlight that utilizes 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. Approve for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

REFLECTOR:
High purity aluminum, Alzak, iridescence suppressed upper reflector. Self-trim standard. Painted white self-trim (WT) available as option.

LED LIGHT ENGINE:
The LF6ML 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 LF6ML utilizes the Philips Fortimo LED Driver specifically designed to optimize efficiency of the Fortimo DLM Module. Driver is designed to match the 50,000 hours 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 housing). 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).

CERTIFICATIONS:
CSA certified to US and Canadian safety standards. Suitable for damp locations. Approved for through wiring. Non-IC rated.

WARRANTY:
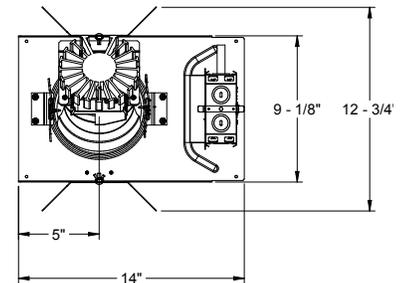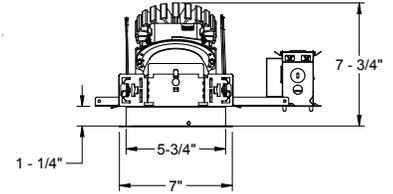5 year warranty. See www.prescolite.com for details.

CATALOG NUMBER: EXAMPLE: LF6MLWW-6LFML30L35K8WWWT

Order housing, reflector, and accessories separately

HOUSING	DRIVER OPTION	VOLTAGE OPTION	HOUSING OPTIONS	TRIM APERTURE	CRI	REF. COLOR OPTIONS	REFLECTOR OPTIONS	ACCESSORIES
❏ **LF6ML** Medium Lumen 0-10V 10% dimming 120-277V	*Standard 0-10V 10% Dimming* ❏ **DM1**[7] 0-10V dimming at 1%, 120-277V ❏ **EDM**[2,8] Hi-Lume 1% EcoSystem LED Driver ❏ **2DM**[2,8] Hi-Lume 1% 2-wire LED Driver (120V only) ❏ **DMX**[2,8] DMX with RDM dimming to <0.1%	*Standard 120V-277V* ❏ **120** 120V ❏ **277** 277V ❏ **347** 347V	❏ **CP**[2,4,5] Chicago Plenum ❏ **WW**[1] Wall Wash ❏ **LV**[9] Lutron Vive Enabled, 0-10V, 120-277V ❏ **LVE (EDM Only)** Lutron Vive Enabled, EcoSystem ❏ **NXWE**[5,10,11] NX Wireless Enabled ❏ **NXE**[5,10,11] NX Enabled, Dual SmartPorts	❏ **6LFML30L** Semi-Diffuse Clear Alzak Reflector with 3000 Lumen Module **KELVIN** ❏ **27K** 2700 Kelvin ❏ **30K** 3000 Kelvin ❏ **35K** 3500 Kelvin ❏ **40K** 4000 Kelvin ❏ **50K** 5000 Kelvin	❏ **8** 80+ CRI ❏ **9** 90+ CRI **REF. FINISH OPTIONS** *Standard Semi-Diffuse* ❏ **SP** Specular ❏ **SS** Semi-Specular ❏ **MFC** American Matte™ ❏ **V** Kurt Versen Specular ❏ **VS** Kurt Versen Softglow® ❏ **VSS** Kurt Versen SoftSheen™	*Standard Clear Alzak* ❏ **CG** Champagne Gold Alzak ❏ **GD** Gold Alzak ❏ **BL** Black Alzak ❏ **WE** Wheat Alzak ❏ **LW** Light Wheat Alzak ❏ **PW** Pewter Alzak ❏ **WH** Painted Matte White Reflector and Flange ❏ **BC** Painted Black Reflector and Flange	❏ **AM**[3] Antimicrobial coating on clear Alzak reflector only ❏ **WW**[1] Wall Wash **TRIM OPTIONS** ❏ **WT** Painted White Flange Only ❏ **TRG** Trim Ring Gasket ❏ **WF** Wide Flange	❏ **B24**[4] Set of two 24" bar hangers for T-bar ceilings ❏ **B6**[4] Set of two (2) bar hangers for ceiling joist up to 24" centers ❏ **LFSC6** 6" Reflector screw cover ❏ **LiteGear**[6] Inverter, single phase central lighting, 125VA-250VA ❏ **LPS Series**[6] LitePower micro-inverter, 20VA-55VA

Notes:
[1] WW option required on both housing and trim.
[2] Not available with 347V
[3] Clear Alzak standard. Consult factory for other colors
[4] For WW fixtures bar hanger accessory should be selected with CP housing, not included as standard.
[5] Not available with DMX, LV or LVE
[6] See Central Inverter compatibility note and web links on page 3
[7] For DM1, do not specify a voltage if 120 or 277
[8] Voltage must be specified with EDM, 2DM and DMX
[9] LV requires standard dimming or DM1
[10] Not available with CP option
[11] Not available with EDM, 2DM or DMX

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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-028

DRIVER DATA	6LFML30L
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 consumption and 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

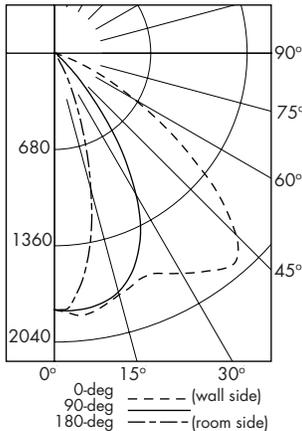|	
80 CRI	1.00
90 CRI	0.91

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	45	2542	32.7	78	LF6ML-6LFML30L30K8WW

LF6ML-6LFML30L30K8WW
LED Light Engine: 3000K, 80 CRI
System Wattage: 32.7W
Fixture Delivered Lumens: 2542
Fixture Efficacy: 78

0-deg _ _ _ _ (wall side)
90-deg _ _ _ _ _
180-deg _ _ _ _ (room side)

Test No. 18.00440-03
Tested at 25℃ Ambient in accordance to IESNA LM-79-2008

CANDELA DISTRIBUTION

DEG	0	90	180
0	1808	1808	1808
5	1854	1816	1715
15	1762	1742	990
25	1711	1431	302
35	1874	806	46
45	1808	204	39
55	1041	36	44
65	354	25	39
75	14	20	34
85	2	10	17
90	0	0	0

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	0 DEG	90 DEG	180 DEG
45°	140025	91949	15763
55°	99429	42427	3401
65°	45934	9451	3297
75°	2871	1436	4306
85°	1066	2132	6394

MULTIPLE UNITS

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

DISTANCE FROM CEILING IN FEET					UNITS ON 3' CENTER			UNITS ON 4' CENTER		
1	18	3	2	1	1	6	4	6	6	4	6
2	100	37	3	1	1	91	51	91	91	24	91
3	88	54	11	2	1	105	109	105	98	68	98
4	48	40	17	4	1	70	88	70	59	70	59
5	28	25	17	6	2	48	56	48	39	51	40
6	18	17	14	7	3	33	37	34	29	35	29
7	12	12	10	7	4	24	20	24	22	25	22
8	9	9	8	6	4	19	20	19	17	19	18
9	8	8	7	6	4	15	16	15	14	16	15

LF6ML-6LFML30L30K8WW   Test No. 18.00440-03

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HUBBELL Lighting

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.

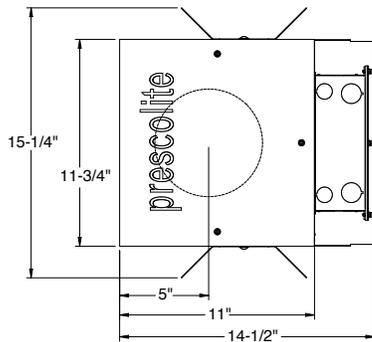**LiteGear:** www.dual-lite.com/products/litegear_lg_series
LPS Series: www.dual-lite.com/products/lps

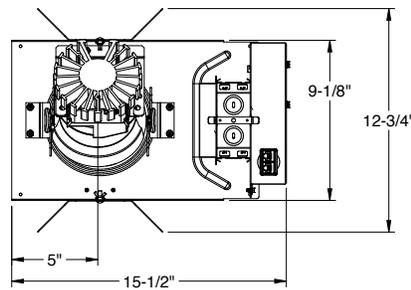### NX Distrubuted Intelligence: NX) DISTRIBUTED™ INTELLIGENCE

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.
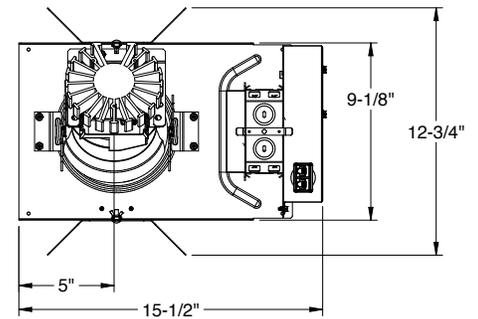See separate NX™ Solutions Guide for additional details.
See Hubbell Controls Solution NX Brochure.

LF6MLWW CP   **LF6MLWW LV(E)**   **LF6MLWW NX(W)E**

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