

APPLICATIONS:

LiteFrame LF6ML is a 6" specification grade LED lensed 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, semi-diffuse 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:

120V - 277V 0-10V Dimming

6" LED Downlight

LF6ML LENS

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 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).

CERTIFICATIONS:

CSA certified to US and Canadian safety standards. Suitable for wet locations. Approved for through wiring. Non-IC rated. UL approved for NSF2 splash zone applications.

WARRANTY:

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

DATE:

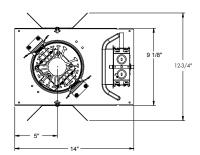
FIRM NAME:

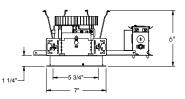
PROJECT:

LiteFrame

Ceiling Cutout: 6¹/4" Maximum Ceiling Thickness 1¹/4" For conversion to millimeters, multiply inches by 25.4 Not to Scale

TYPF





See page 4 for CP and NX(W)E line art.

EXAMPLE: LF6ML-6LFML30L35K8CL

CATALOG NUMBER:

Order housing, reflector, and accessories separately

HOUSING DRIVER OPTION	VOLTAGE OPTION TRIM	CRI OPTIONS OP	REF. TRIM PTIONS OPTIONS LENS	ACCESSORIES
Driver (120V only) DMX ^{2,3} DMX with RDM dimming to <0.1%	Standard GLFML3 120V-277V Semi-Diffi 120V Clear Alz 120V Reflector 2777 3000 Lur 2777 3000 Lur 0PTIONS KELVIN Cp2.4.5.16.17 277K Chicago Plenum 2700 LV12 Chicago Plenum Lutron Vive 30K 120-277V Sold LUTon Vive 30K Lutron Vive 30K Lutron Vive 3500 Kelvin 40K NXWE ^{14,15,16,17} 40K NX Wireless Kelvin	see 80+ CRI Clear Alzak ak 9 vith 90+ CRI Clear Alzak 90+ CRI Clear Alzak Glear Alzak GD GD Gold Alzak GD Gold Alzak BL Black Alzak Semi-Diffuse SS Specular MFC American Metron Metron Wheat Alzak We Semi-Specular Wheat Alzak We Semi-Specular Wheat Alzak We Wheat Alzak We Wheat Alzak We Wheat Alzak W Wheat Alzak Matte W W W W W W W W W W M M M M M M M M M M M M M	Aluminum Flange Standard) I PG57.10,11 Dust and Water tight to IP65 Vandal Resistant Vandal Resistant Vandal Resistant Kegr Stance Wide Flange Wide Flange Wide Flange Wide Flange Wide Flange WNCT9.13 BIACK Non- conductive trim BNCT9.13 BIACK Non- conductive trim BIACK Non- conductive trim BIACK Non- Conductive trim BIACK Non- CONDUCTION BIACK NON-	Bits Bits arad) B64 se Lens Set of two (2) bar hangers ressed for ceiling joist up to 24"
	Enabled 50K NXE14.15.16.17 NX Enabled, Dual SmartPorts EMR ² Emergency Battery Pack with remote test switch and indicator light In a cc notice,	VSŠ Painted Black Kurt Versen SoftSheen™ Reflector and Flange ntinuing effort to offer the best product poss	Notes: Baffled 1 For DM1, do not specify a voltage if 120 or 277 2 Not available with 347V 3 Voltage must be specified with EDM, 2DM, or DMX 4 Bar hanger accessory should be selected with CP housing, not included as standard 5 Not available with DMX 6 See Central Inverter compatibility note and web links on page 3 7 IP65 and VR can not be chosen together 8 Not available with IP65 and VR sible we reserve the right to change, withou on will not alter the function of the product.	

PHOTOMETRIC DATA

DRIVER DATA	6LFML30L		
Input Voltage	120V-277V	Lumen Multiplier Table	
Input Frequency	60 Hz	Photometrics published below are for the 3000	
Input Current	0.273A (120V)	This table may be used to approximate the lum	
	0.118A (277V)	different Kelvin temperatures and CRI.	en vulues
Input Power	32.7W		
Power Factor	≥0.90	4000 Kelvin 1.07	
THD	<20%		
EMI Filtering	FCC 47CFR	3500 Kelvin 1.00	
	Part 15, Class A	3000 Kelvin 1.00	
Operating Temperature	-20°C to 35°C	2700 Kelvin 0.95	
Dimming	0-10V		
Over-voltage, over-curren	nt, short-circuit protected	80 CRI1.00	
0		slightly with various driver and CRI options. 90 CRI0.91	

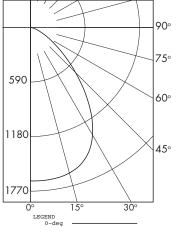
Delivered Lumens

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

Output	CRI	Lens	Delivered Lumens	Input Watts	Lumens Per Watt	Full Catalog String
30L	80	DL	3061	32.7	94	LF6ML-6LFML30L30K8DL
30L	80	FLUDL	2977	32.7	91	LF6ML-6LFML30L30K8FLUDL
30L	90	DL	2082	35.9	58	LF6ML-6LFML30L30K9DL

LF6ML-6LFML30L30K8DL

LED Light Engine: 3000K, 80 CRI System Wattage: 32.7W Fixture Delivered Lumens: 3061 Fixture Efficacy: 94 Spacing Criteria: 1.4



CANDELA DISTRIBUTION DEG CANDELA

ZONAL LUMEN SUMMARY LU SC ZONE LUMENS %LUMINAIRE Ar 1305 0-30 42.6 0-40 2020 66.0 0-60 2866 93.6 0-90 3062 100.0 90-180 0 0.0 0-180 3062 100.0

IMINANCE DATA IN CANDELA/ Q. METER								
ngle in Vertical	Average							
45°	58610							
55°	34893							
65°	19373							
75°	10545							
85°	0							

COEFFICI	ENTS OF UTILIZATION	ZONAL CAVITY METHOD
2	% Effective Ceiling (avity Reflectance

2	% Effective Ceiling Cavity Reflectance																
Room Cavity Ratio		8	30				0			50			30			10	
m Ca Ratio					20% Effective Floor Cavity Reflectance									20			
õ.							%	Wal	Refl	ectar	108						
ž.	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81
3	96	88	81	76	94	87	80	76	84	79	74	81	77	73	79	75	72
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64
5	84	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58
6	78	67	59	53	76	66	58	53	64	58	53	62	57	52	61	56	52
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39
10	60	49	41	37	59	48	41	37	47	41	36	46	40	36	45	40	36

Test No. 18.00419-01 Tested at 25°C Ambient in accordance to IESNA LM-79-2008



Web: www.prescolite.com • Tech Support: (888) 777-4832

701 Millennium Boulevard

Greenville, SC 29607 U.S.A.

Phone (864) 678-1000
Copyright ©2018 Prescolite, Inc., a division of Hubbell Lighting, Inc. All Rights Reserved
Specifications subject to change without notice.

Printed in U.S.A.

IFR-IED.049

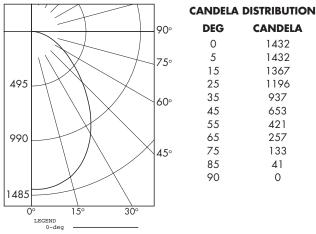
01/16/19



PHOTOMETRIC DATA

LF6ML-6LFML30L30K8FLUDL

LED Light Engine: 3000K, 80 CRI System Wattage: 32.7W Fixture Delivered Lumens: 2977 Fixture Efficacy: 91 Spacing Criteria: 1.4



ZONAL LUMEN SUMMARY									
ZONE LUMENS %LUMINAII									
0-30	1068	35.9							
0-40	1652	55.5							
0-60	2536	85.2							
0-90	2978	100.0							
90-180	0	0.0							
0-180	2978	100.0							

LUMINANCE DATA IN CANDELA/ SQ. METER

JOC. MILIER							
Angle in Vertical	Average						
45°	60199						
55°	47855						
65°	39595						
75°	33461						
85°	30315						

è	% Effective Ceiling Cavity Refl										Refle	ectance					
Cavity		8	0			70			50			30			10		
Ratio					20	20% Effective Floor Cavity Reflectance											
Room							%	Wall	Ref	ectar	108						
č.	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76
3	93	83	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	38
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	35	31

Test No. 18.00420-01

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

Dimming Compatibility Table

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

<u>DMX</u>

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

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

NX Distrubuted Intelligence: NX DISTRIBUTED

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 <u>NX[™] Solutions Guide</u> for additional details.

See Hubbell Controls Solution <u>NX Brochure.</u>



Web: www.prescolite.com • Tech Support: (888) 777-4832

701 Millennium Boulevard • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000 Copyright ©2018 Prescolite, Inc., a division of Hubbell Lighting, Inc. All Rights Reserved Specifications subject to change without notice. • Printed in U.S.A. • LFRLED.049 • 01/16/19

NOTES:

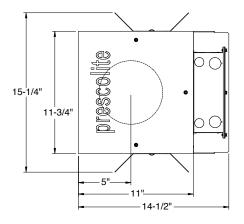
When ordering a sloped ceiling adapter, specify the degree of slope in 5° increments, max. of 35°. For a more precise degree or wet ceiling applications, please contact factory. Sloped ceiling adapter and housing must be installed at the same time.

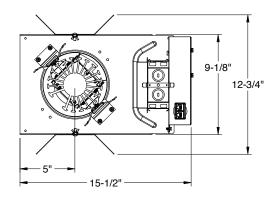
HUBBELL

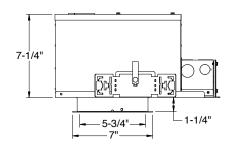
HUBBELL

Lighting

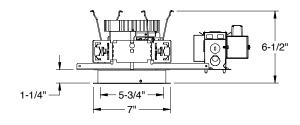
ADDITIONAL DATA







LF6ML CP



LF6ML LENS NX(W)E



Web: **www.prescolite.com** • Tech Support: **(888) 777-4832** 701 Millennium Boulevard • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000 Copyright ©2018 Prescolite, Inc., a division of Hubbell Lighting, Inc. All Rights Reserved Specifications subject to change without notice. • Printed in U.S.A. • LFR-LED-049 • 01/16/19

