

22L-W-I

22 LED Wall Indirect

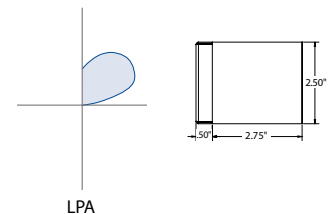
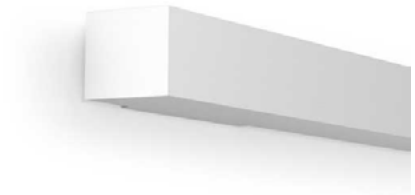
Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Series		22L	100% Indirect Linear
Mounting		W	Wall
Fixture distribution		I	Indirect
Uplight distribution		LPA LPAD	Low Peak Angle Low Peak Angle with Diffuser
Row length (in feet)		—'	Enter in foot increments. Note fixture lengths below.
Max length in row		03 04 06 08	3', 914mm 4', 1219mm 6', 1829mm 8', 2438mm
Finish/Color		C1 C2 C3 C4 C5 C6 CC	Matte White (Default) Textured Matte White Light Silver Machined Aluminum Carbon Black Textured Camera Black Custom Color
Color temperature		27K 30K 35K 40K 50K 27K9 30K9 35K9 40K9 50K9 2230TD 2750T 2765T	2700K 3000K 3500K 4000K 5000K+ 2700K, 90 CRI+ 3000K, 90 CRI 3500K, 90 CRI 4000K, 90 CRI 5000K, 90 CRI+ 2200K-3000K SpectraSync™ Dim-to-Warm* 2700K-5000K SpectraSync™ Tunable White* 2700K-6500K SpectraSync™ Tunable White* *Must be ordered with D05 Driver options
Indirect output/ft (specifiable in 50 lumens/ft increments)		I030 I125	300 1250
Driver*		NDM D05 D01 DS1 D00 DS0 LEC DALI DALIP	Non Dimming 5% Dimming, 0-10V 1% Dimming, 0-10V Soft-Start 1% Dimming, 0-10V Dim-to-off (1%), 0-10V Soft-Start Dim-to-off (1%), 0-10V Hi-lume 1% EcoSystem LED driver DALI+ Powered DALI (2.0)+ *Must be ordered with 2230TD, 2750T or 2765T Option

* Additional lead time may be applicable. Contact factory.



Key Features

- Variable Intensity technology provides specifiable lumen output/wattage
- 100% indirect distribution
- 2 SDCM color variation

Performance

Nomenclature	Lumens/ft	W/ft	Efficacy
Uplight (LPA)			
I030 (min)	300	2.2	140
I050	500	3.4	147
I075	750	5.3	143
I100	1000	7.4	136
I125 (max)	1250	10.7	117
(wattage may vary up to 5% from published)			



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Ordering Guide (continued)

Circuiting		1C	1 Circuit
Voltage		UNV 120 277 347	Universal Voltage 120 Volt 277 Volt 347 Volt** *Excludes Emergency Battery Pack 'EF' Option. Excludes DALI, DALIP and Lutron (LTW/LEC) Dimming Drivers
Optional Features	Code	Options	Description
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row
Emergency*		EF	10W Emergency Battery Backup Indicate how many in the row. Example: 2EF = 2 Emergency batteries/row *Only available in 6' & 8'. Contact factory for restrictions
Thru-wiring		W1 W2 W3	No Thru Wire Provide Normal and Emergency/Nightlight Thru Wiring* Provide Normal Thru Wiring Only *Only applicable when specified with Emergency/Nightlight
Dust Cover		L1	Clear Acrylic Dust Cover Lens* *Only available with LPA uplight distribution options
Control Options	Code	Options	Description
NX**		NXE NXWE NXES NXS NXSW NXWD NXSWD	NX Enabled, Dual SmartPorts NX Wireless Enabled NX Enabled, Dual SmartPorts, PIR Occupancy Sensor, Dimming Daylight Harvesting NX, PIR Occupancy Sensor, Dimming Daylight Harvesting (standalone) NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting NX Wireless Enabled, Dual SmartPORTs NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, Dual SmartPORTs *Not available for row mounting; Only available with 0-10V Driver options; Contact factory for Length restrictions
Sensors+		_SD1 _SO1	Daylight Sensor Required. Enter quantity. 2SD1= 2 daylight sensors/row Occupancy Sensor Required. Enter quantity. 2SO1= 2 occupancy sensors/row

+ Additional lead time may be applicable. Contact factory.



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Details

Construction:

Housing-extruded aluminum with sheet metal end headers.
End caps- Sheet metal, flat style.

Indirect diffuser:

LPAD - Low peak angle with diffuser. Used to soften light appearance on close to wall/ceiling applications. Output multiplier (.87, 10° LPA loss)

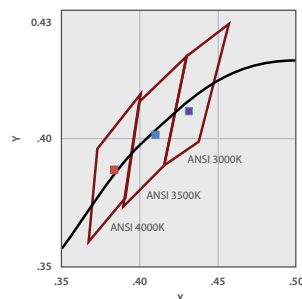
Finish/Color:

Visit www.litecontrol.com/finishes for details.

CCT:

27K-2700K output multiplier (0.95)
30K-3000K output multiplier (0.98)
35K-3500K output multiplier (1.00)*
40K-4000K output multiplier (1.03)
50K-5000K output multiplier (1.05)
27K9-2700K 90 CRI output multiplier (0.83)
30K9-3000K 90 CRI output multiplier (0.85)
35K9-3500K 90 CRI output multiplier (0.88)
40K9-4000K 90 CRI output multiplier (0.90)
50K9-5000K 90 CRI output multiplier (0.93)

*Scale all values from 35K



Color Variation:

2 step MacAdam ellipse

Output (VI technology):

Variable Intensity (VI) technology allows precise specification of fixture output/wattage. Fixture will be programmed and labeled to specification. Indirect and direct hemispheres can be independently specified. Specify each in 50 lumen increments/ft within the below range:

	Lumens/ft	Nomenclature
Indirect		
Min:	300	I030
Max:	1250	I125

Emergency:

EF: 10W battery powered driver. Provides a minimum of 90 minutes of emergency lighting.

Inverter-Compatible. Provided by others.

See separate LC-Emergency spec sheet for additional details.

Thru wiring:

See separate LC-Thruwire spec sheet for additional details.

Driver:

NDM: Non-dimming. Fixture will be wired for fixed light output.
D05: Osram 100%-5% dimming range. Fixture will be wired for low voltage 0-10V dimming control. Only applicable if either 2230TD, 2750T or 2765T is selected.
D01: 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
DS1: Soft-Start 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
D00: Dim-to-off 100%-1% Dimming range. Fixture will be wired for low voltage 0-10V dimming.
DS0: Soft-Start Dim-to-off 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control.
LEC: Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black dimming technology.
LTW: Lutron Hi-Lume 2-Wire dimming using Lutron A-Series driver.
DALI: DALI compatible.
DALIP: Self-Powered DALI bus (e.g. SR, DEXAL)

Field Accessibility:

LED boards and drivers can be accessed and removed from fixture, while installed. Entire LED module can be removed and replaced.

Circuiting:

1C (1 Circuit) Fixture wired for a single circuit.

Nightlight:

See separate LC-Nightlight spec sheet for additional details.

NX Distributed Intelligence: **NX DISTRIBUTED INTELLIGENCE™**
Supports indoor and outdoor applications, wired, wireless and hybrid networked NX lighting control deployments and enabled emerging applications, such as Hubbell Lighting's SpectraSync™ Color Tuning Technology. See separate [NX Application Guide](#) for additional details. See Hubbell Controls Solution [NX Brochure](#).

Sensors:

SD1: Daylight sensor(Wattstopper part #FD301).
SO1: Occupancy sensor(Wattstopper FS-305 with FS-L6 lens).
NX: See separate [Control Options Guide](#) for additional details.

SpectraSync™ Color Tuning Technology: **SpectraSync™**
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with two distinct SpectraSync™ Color Tuning Technology.

Dim to Warm: Dim to Warm mimics the familiar warming effect that occurs with traditional incandescent sources as they are dimmed. (Available with 2200K-3000K).
Tunable White: Tunable White offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space. (Available with 2700K-5000K or 2700K-6500K).

See separate [SpectraSync™ Tech Sheet](#) for additional details.

See separate [NX™ Solutions Guide](#) for additional details.

Details (continued)

Dust cover:

Clear acrylic lens.

Rated Life (LED Board):

Tested in accordance to LM79-2008 & derived from EPA TM-21 calculator

L70: >61,000 (reported per TM-21/LM80 6x's limitation)

L90: >61,000 (reported per TM-21/LM80 6x's limitation)

Driver: ≥50,000 hours (5 year Warranty)

Rated Life (Driver):

Standard = 100,000 hours

Lutron = 50,000 hours

Fixture weight:

3 lbs/ft.

Ratings:

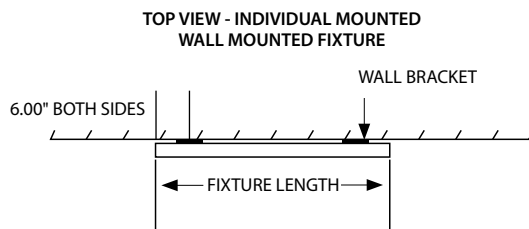
CSA listed for damp locations. IBEW. AF of L. UL924

Warranty:

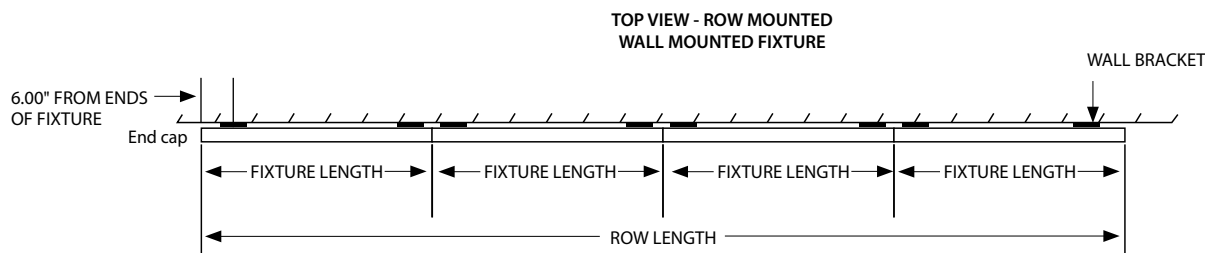
LED Boards- 5 years

LED Drivers (Standard)- 5 years, Lutron- 3 years

Individual Mounting:



Row Mounting:

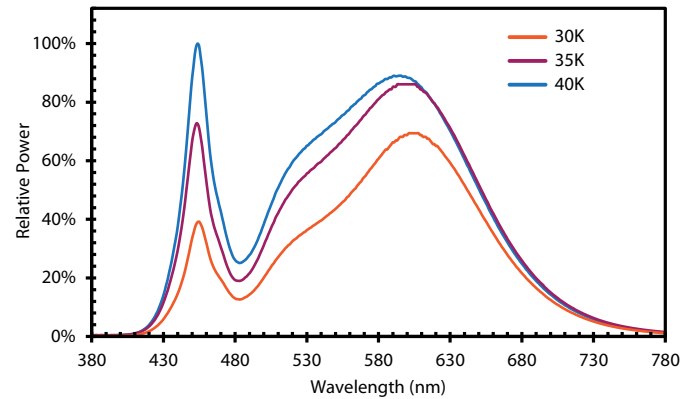


Details (continued)

Color Characteristics:

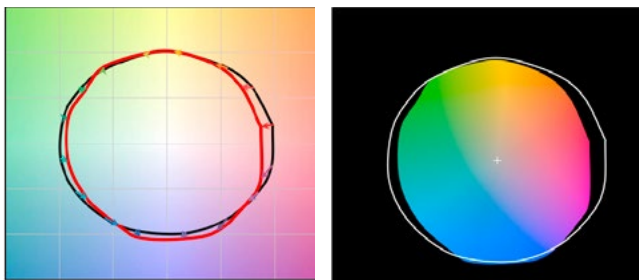
Value	Ordering Code		
	30K	35K	40K
Rf	83	82	82
Rg	96	96	96
CCT (K)	3009	3494	3975
Duv	-0.0009	-0.0004	-0.0003
x	0.435	0.4052	0.3814
y	0.4012	0.3898	0.3768
CIE Ra	83	83	84

Spectral Distribution:

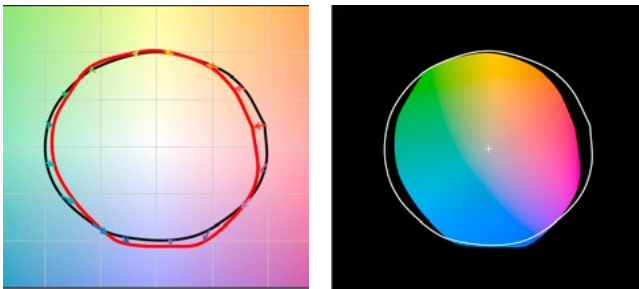


Color Vector Graphic:

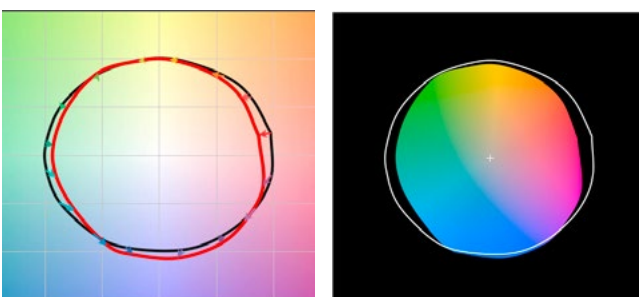
30K:



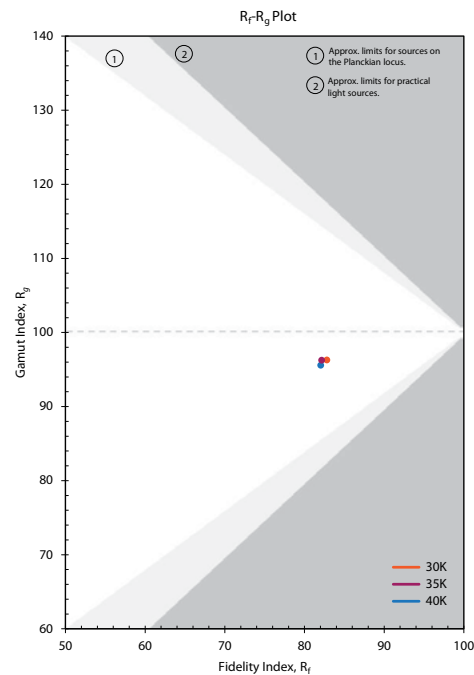
35K:



40K:



Color Gamut/Fidelity Plot



CRI:

80 minimum

CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
30K	83	82	91	97	81	82	89	84	62	13	79	79	69	84	99
35K	83	81	89	95	81	81	85	86	65	13	73	79	62	83	97
40K	84	82	90	94	82	82	85	87	68	17	74	80	60	84	97

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Photometry

Fixture: 22L-P-I-LPA-4-CX-30K-I120-D01-1C-UNV-W3

CCT: 3000K

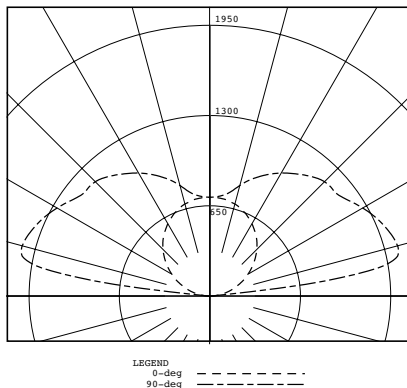
Output: I120

Nominal lumens: 1200 lumens/ft

Efficacy: 118 lm/W

Test report: 22L-P-I-LPA-4-CX-30K-I120-D01-1C-UNV-W3

*Photometry for reference only. Maximum lumen output is 1250.



Zone	Zonal Lumens	Lamp %
90-180	1200	100%