

LED



INTERACTIVE MENU 

- Ordering Guide
- Product Availability Tables
- Photometric Data
- Dimensional Data

HUBBELL CONTROL SOLUTIONS

- SpectraSync™ Overview
- SpectraSync Product Availability Tables
- NX™ SpectraSync Solution Guide
- NX In-Fixture Solution Guide

EXTERNAL LINKS

- NX Distributed Intelligence Brochure
- SpectraSync Brochure

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

COMPATIBLE WITH:



FEATURES

- High efficiency acrylic center lens features linear prisms for high performance without pixelation
- Appropriate for offices, schools, medical, and public spaces
- High performance reflector with matte white paint standard
- 60,000 hour LEDs at L80 (up to 150,000 projected life) for reduced maintenance
- 83 CRI standard or optional 90 CRI for color sensitive applications
- HE lumen packages available
- LED modules and electrical accessible from below
- Optional architecturally styled integration of daylight and occupancy sensor(s)
- QR code traceability
- Compatible with Dual-Lite inverters
- Optional SpectraSync™ offers three modes of tunable white solutions and integrates seamlessly into a variety of control systems
- NX Distributed Intelligence™ provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments
- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations - see www.designlights.org
- Five year warranty (Terms and Conditions apply)



LCAT22

CONSTRUCTION

Luminaire housing, reflectors and end caps are die formed code gauge cold rolled steel. High transmission extruded acrylic enclosed lens features linear prisms with custom frost for high efficacy without pixelation.

SHIELDING

Removable lens for easy access to LED module and electrical components.

FINISH

All reflective surfaces are finished after fabrication with unique formula high reflectivity matte white paint for soft, uniform indirect illumination.

INSTALLATION

An access plate is furnished with each luminaire for fast wiring access without the necessity to open the fixture or wireway.

IC RATING

IC label is standard for recessed products. Note that IC label is void if product is installed on site with a combination of both battery pack plus through wiring or for air return fixtures.

CEILING COMPATIBILITY

Luminaire fits recessed exposed Grid ceilings (G); four integral NEC compliant T-bar clips are standard. Can be placed in Slot Grid (SG) style ceiling with regress 3/8" above ceiling plane. A Flange Kit (FK) accessory is available for recessed hard ceiling applications. Surface Mount (SM) option allows placement below ceiling plane. Cable Mount (CM) option allows suspension below ceiling plane.

CERTIFICATION

All luminaires are built to UL1598 and 2108 standards, and bear appropriate CSA labels. Damp location label standard. Emergency-equipped fixtures labeled UL 924 and Dry Location unless specified. Adheres to LM79, LM80, and TM21 industry standards. DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org. NX is available in U.S., Canada and Mexico. For other locations consult factory. The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems listed to UL924. See page 8 for wiring diagram. [Link to Dimming Bypass Module Specification sheet.](#)



WARRANTY

Five year warranty (Terms and Conditions apply).

ORDERING INFORMATION

EXAMPLE LCAT22-35HLG-ESDU

YOUR ORDER LCAT22 - - -

LCAT		22		-		-		-	
MODEL	SIZE	CRI	COLOR TEMP		LUMEN OUTPUT		CEILING TYPE		SHIELDING
LCAT LED Contemporary Architectural Troffer	22 2' x 2'	Blank >80 9 >90 ¹	30 3000K 35 3500K 40 4000K 50 5000K 2750T 2700K-5000K SpectraSync™ Tunable White ² 2765T 2700K-6500K SpectraSync™ Tunable White ²	VW Very Low Watt VWHE Very Low Watt High Efficacy MW Medium Low Watt MWHE Medium Low Watt High Efficacy LW Low Watt ML Medium Lumen MLHE Medium Lumen High Efficacy HL High Lumen HLHE High Lumen High Efficacy VL Very High Lumen ²² VLHE Very High Lumen High Efficacy	G Grid Lay-in ³ SM Surface Mount ^{4,20} CM Cable Suspended Mount ^{4,5}	Blank Curve  R Rectangular 			

See Product Availability Table on following pages.

AIR FUNCTION	DRIVER	VOLTAGE	OPTIONS	CONTROL OPTIONS
Blank Static A Air Return Side Slots	E Fixed Output ¹⁸ ED 0-10V Dimming ED1 0-10V 1% Dimming EDD 0-10V Dim-to-Dark ¹⁸ ESD Step Dimming ^{6,8,18} LUTH Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ^{6,8,18} LUT5 5-Series EcoSystem LED driver ^{6,8,18} DALIP DALI P driver ^{15,16}	U 120V-277V 347 347V ¹⁹	ELL14 Emergency Battery Pack Installed, 1400 Lumens ^{7,8} DTS Dimming Bypass Module ⁹ C388 3-Wire Flex ²¹ C488 4-Wire Flex ²¹ C588 5-Wire Flex ²¹ GLR Fast Blow Fuse EOR End of Row (SM and CM only. Provides end wiring access for continuous row mounting.) ⁴ INT Intermediate (SM and CM only. Provides ends with wiring access for continuous row mounting.) ⁴ CP Chicago Plenum	ODPG Occupancy and Daylight Sensors w/Grouping, Philips SNS200 ^{8,10,17} ZRE ControlScope® compatible ^{11,17} LV Lutron Vive Attached FCJS POWPAK Fixture Control (RF only for 0-10V drivers) ^{12,13,14,17} LVS Lutron Vive Integral Fixture Control DFCSJ-OEM-OCC (RF with daylight and occupancy sensing) ^{13,15} LVR Lutron Vive Integral Fixture Control DFCSJ-OEM-RF (RF only) ^{13,15} NX Standalone NXS NX, PIR Occupancy Sensor, Dimming Daylight Harvesting ^{17,18,19} NX Networked – Wireless NXSW NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting ^{17,18,19,20} NXWE NX Wireless ^{17,18,19,20} NX Networked – Wired NXE NX, Dual SmartPorts ^{17,18,19} NXES NX, PIR Occupancy Sensor, Dimming Daylight Harvesting ^{17,18,19}

ACCESSORIES (ORDER SEPARATELY)

- FK22 2' x 2' Single Flange Kit (Shipped separately)
- CM48Y2SC3F-KIT 48" Cable Mount Kit for 2' wide Cable Mount fixtures, 3 Wire

¹ Not available with HE lumen output
² Available with ED driver and 80 CRI only, N/A with HE or VL lumen outputs. See pages 9-11 for more information
³ For drywall, order G with Flange Kit Accessory
⁴ Not available with Air Return (A) air function
⁵ Order hanger accessories separately
⁶ Limitations apply based on lumen packages (see Driver Table)
⁷ For compatibility with Dual-Lite LiteGear® inverters, contact Hubbell Lighting Representative
⁸ Not available in 347V
⁹ For emergency circuit control loads including sensors and wireless systems listed to UL924. Only available with 0-10V drivers. Universal voltage only. See page 8 for wiring diagram
¹⁰ Only available with 0-10V Dimming (ED) Driver Option
¹¹ Registered trademark of Daintree Networks, used by permission
¹² Not available with E, ESD, LUTH or LUT5

¹³ VIVE is a trademark of Lutron Electronics Co., Inc
¹⁴ Installations controlled solely by the Lutron Pico controller require accessing the LV (Lutron FCJS) module for commissioning after the circuit has been energized
¹⁵ LVS and LVR only available with DALIP
¹⁶ DALIP only available with LVS and LVR Control Options

NX In-Fixture Control Options:

¹⁷ NX controls can only be used with NX Sensor options
¹⁸ NX is available with ED and ED1 drivers only
¹⁹ NX combined with Spectrasync is not available in 347V
²⁰ NXSW and NXWE cannot be used with surface mount versions
²¹ For NX control and Flex Wire together, consult factory
²² NX control function not available with VL lumen output

For questions about configuration options, contact Hubbell Representative

DRIVER AVAILABILITY TABLE

	VW	VWHE	MW	MWHE	LW	ML	MLHE	HL	HLHE	VL	VLHE
E	X	X	X	X	X	X	X	X	X	X	X
ED	X	X	X	X	X	X	X	X	X	X	X
ED1	X	X	X	X	X	X	X	X	X	X	X
EDD			X		X	X		X			
ESD			X		X	X		X		X	
LUT5			X		X	X					
LUTH			X		X	X					
347	X		X		X	X		X		X	

CONTROLS

NX DISTRIBUTED INTELLIGENCE™:

See separate [NX Design and Application Guide](#) for additional details.
See Hubbell Controls Solution [NX Brochure](#).



NX INTEGRATED CONTROLS REFERENCE									
NX OPTION	SENSOR	CATEGORY	NETWORKABLE	SCHEDULING	OCCUPANCY	DAYLIGHT HARVESTING	0-10V DIMMING	ON/OFF CONTROL	BLUETOOTH APP PROGRAMMING
NXS	NXSMP-SMI	Standalone	No	Yes	Yes	Yes	Yes	Yes	Yes
NXSW	NXSMP-SMI	Networked Wireless	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXWE	N/A	Networked Wireless	Yes	Yes	No	No	Yes	Yes	No ²
NXE	N/A	Networked Wired	Yes	Yes	No	No	Yes	Yes	Additional Bluetooth® Radio Module needed ¹
NXES	NXSMP-SMI	Networked Wired	Yes	Yes	Yes	Yes	Yes	Yes	Yes

¹ NXBTC/R needs to be plugged into an available SmartPort on the fixture network
² To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that

Product Availability 80 CRI					Product Availability 90 CRI				
Lumen Package	Shielding	Lumens	Input Watts	LPW	Lumen Package	Shielding	Lumens	Input Watts	LPW
LCAT22-30VW	Curve	1567	14	115	LCAT22-930VW	Curve	1342	13	100
LCAT22-30VWx-R	Rectangle	1545	13	115	LCAT22-930VWx-R	Rectangle	1313	13	98
LCAT22-30VWHE	Curve	1530	13	121					
LCAT22-35VW	Curve	1614	14	119	LCAT22-935VW	Curve	1371	13	102
LCAT22-35VWx-R	Rectangle	1597	13	119	LCAT22-935VWx-R	Rectangle	1341	13	100
LCAT22-35VWHE	Curve	1576	13	125					
LCAT22-40VW	Curve	1639	14	121	LCAT22-940VW	Curve	1400	13	104
LCAT22-40VWx-R	Rectangle	1623	13	121	LCAT22-940VWx-R	Rectangle	1370	13	102
LCAT22-40VWHE	Curve	1600	13	127					
LCAT22-50VW	Curve	1785	14	131	LCAT22-950VW	Curve	1492	13	111
LCAT22-50VWx-R	Rectangle	1666	13	124	LCAT22-950VWx-R	Rectangle	1459	13	109
LCAT22-50VWHE	Curve	1743	13	138					
LCAT22-30MW	Curve	2049	18	114	LCAT22-930MW	Curve	1744	17.7	99
LCAT22-30MWx-R	Rectangle	2017	18	114	LCAT22-930MWx-R	Rectangle	1714	17.7	97
LCAT22-30MWHE	Curve	2010	17	122					
LCAT22-35MW	Curve	2110	18	117	LCAT22-935MW	Curve	1781	18	101
LCAT22-35MWx-R	Rectangle	2085	18	118	LCAT22-935MWx-R	Rectangle	1750	18	99
LCAT22-35MWHE	Curve	2070	17	125					
LCAT22-40MW	Curve	2143	18	119	LCAT22-940MW	Curve	1819	18	103
LCAT22-40MWx-R	Rectangle	2118	18	120	LCAT22-940MWx-R	Rectangle	1788	18	101
LCAT22-40MWHE	Curve	2102	17	127					
LCAT22-50MW	Curve	2334	18	130	LCAT22-950MW	Curve	1938	18	109
LCAT22-50MWx-R	Rectangle	2174	18	123	LCAT22-950MWx-R	Rectangle	1905	18	108
LCAT22-50MWHE	Curve	2289	17	139					
LCAT22-30LW	Curve	2689	23	119	LCAT22-930LW	Curve	2286	23	101
LCAT22-30LWx-R	Rectangle	2661	23	118	LCAT22-930LWx-R	Rectangle	2263	23	100
LCAT22-35LW	Curve	2770	23	123	LCAT22-935LW	Curve	2339	23	103
LCAT22-35LWx-R	Rectangle	2752	23	122	LCAT22-935LWx-R	Rectangle	2311	23	102
LCAT22-40LW	Curve	2813	23	124	LCAT22-940LW	Curve	2393	23	106
LCAT22-40LWx-R	Rectangle	2795	23	124	LCAT22-940LWx-R	Rectangle	2361	23	104
LCAT22-50LW	Curve	3063	23	136	LCAT22-950LW	Curve	2527	23	112
LCAT22-50LWx-R	Rectangle	2870	23	127	LCAT22-950LWx-R	Rectangle	2515	23	111
LCAT22-30ML	Curve	3320	29	116	LCAT22-930ML	Curve	2821	29	98
LCAT22-30MLx-R	Rectangle	3267	29	114	LCAT22-930MLx-R	Rectangle	2778	29	97
LCAT22-30MLHE	Curve	3293	28	119					
LCAT22-35ML	Curve	3420	29	119	LCAT22-935ML	Curve	2888	29	101
LCAT22-35MLx-R	Rectangle	3378	29	118	LCAT22-935MLx-R	Rectangle	2836	29	99
LCAT22-35MLHE	Curve	3392	28	123					
LCAT22-40ML	Curve	3473	29	121	LCAT22-940ML	Curve	2954	29	103
LCAT22-40MLx-R	Rectangle	3431	29	120	LCAT22-940MLx-R	Rectangle	2897	29	101
LCAT22-40MLHE	Curve	3442	28	125					
LCAT22-50ML	Curve	3781	29	132	LCAT22-950ML	Curve	3121	29	109
LCAT22-50MLx-R	Rectangle	3522	29	123	LCAT22-950MLx-R	Rectangle	3086	29	108
LCAT22-50MLHE	Curve	3751	28	136					
LCAT22-30HL	Curve	3599	32	113	LCAT22-930HL	Curve	3123	32	98
LCAT22-30HLx-R	Rectangle	3543	32	112	LCAT22-930HLx-R	Rectangle	3012	32	95
LCAT22-30HLHE	Curve	3497	28	126					

Product Availability 80 CRI					Product Availability 90 CRI				
Lumen Package	Shielding	Lumens	Input Watts	LPW	Lumen Package	Shielding	Lumens	Input Watts	LPW
LCAT22-35HL	Curve	3707	32	117	LCAT22-935HL	Curve	3190	32	100
LCAT22-35HLx-R	Rectangle	3664	32	116	LCAT22-935HLx-R	Rectangle	3076	32	97
LCAT22-35HLHE	Curve	3616	28	130					
LCAT22-40HL	Curve	3764	32	118	LCAT22-940HL	Curve	3259	32	102
LCAT22-40HLx-R	Rectangle	3721	32	118	LCAT22-940HLx-R	Rectangle	3142	32	99
LCAT22-40HLHE	Curve	3671	28	132					
LCAT22-50HL	Curve	4099	32	129	LCAT22-950HL	Curve	3471	32	109
LCAT22-50HLx-R	Rectangle	3820	32	121	LCAT22-950HLx-R	Rectangle	3347	32	106
LCAT22-50HLHE	Curve	3769	28	136					
LCAT22-30VL	Curve	4270	39	111	LCAT22-930VL	Curve	4289	39	110
LCAT22-30VLx-R	Rectangle	4432	40	110	LCAT22-930VLx-R	Rectangle	3767	40	93
LCAT22-30VLHE	Curve	4257	35	123					
LCAT22-35VL	Curve	4398	39	114	LCAT22-935VL	Curve	4381	39	113
LCAT22-35VLx-R	Rectangle	4583	40	113	LCAT22-935VLx-R	Rectangle	3848	40	95
LCAT22-35VLHE	Curve	4401	35	127					
LCAT22-40VL	Curve	4466	39	116	LCAT22-940VL	Curve	4476	39	115
LCAT22-40VLx-R	Rectangle	4655	40	115	LCAT22-940VLx-R	Rectangle	3930	40	97
LCAT22-40VLHE	Curve	4470	35	129					
LCAT22-50VL	Curve	4863	39	126	LCAT22-950VL	Curve	4767	39	123
LCAT22-50VLx-R	Rectangle	4779	40	118	LCAT22-950VLx-R	Rectangle	4187	40	104
LCAT22-50VLHE	Curve	4649	35	134					

PHOTOMETRIC DATA

Test 16540 Test Date 7/28/2016

LUMINAIRE DATA

Luminaire	LCAT22-35LWG-EU LCAT Led Architectural Troffer, Recessed Architectural 2 x 2 led with frosted linear prismed lens
Ballast	XI040C11CV054BST1
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	2769
Watts	22.60
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.19 90° = 1.31
Luminous Opening in Feet	Length: 1.92 Width: 1.92 Height: 0.00

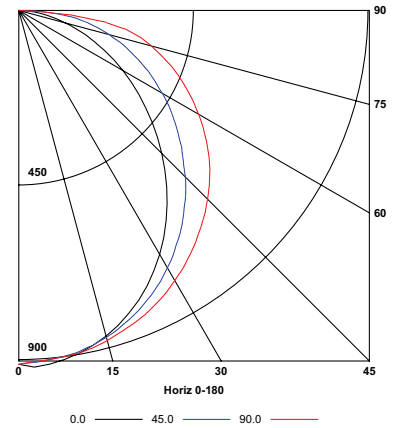
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	705	25.5	25.5
0-40	1154	41.7	41.7
0-60	2056	74.3	74.3
0-90	2769	100.0	100.0
0-180	2769	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	100.0%
Total Lumens per Watt	123
IESNA RP-1-2004 Compliance	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.00 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



LUMINAIRE DATA

Luminaire	LCAT22-35MLG-EU LCAT Led Architectural Troffer, Recessed Architectural 2 x 2 led with frosted linear prismed lens
Ballast	XI040C11CV054BST1
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	3420
Watts	28.70
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.19 90° = 1.31
Luminous Opening in Feet	Length: 1.92 Width: 1.92 Height: 0.00

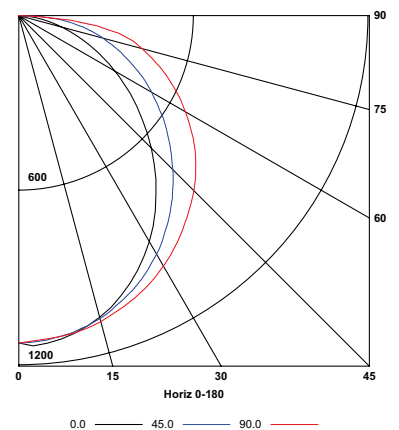
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	871	25.5	25.5
0-40	1424	41.7	41.7
0-60	2539	74.2	74.2
0-90	3420	100.0	100.0
0-180	3420	100.0	100.0

ENERGY DATA

Total Luminaire Efficiency	100.0%
Total Lumens per Watt	119
IESNA RP-1-2004 Compliance	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.03 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT



Test 16543 Test Date 7/28/2016

LUMINAIRE DATA

Luminaire	LCAT22-35HLG-EU LCAT Led Architectural Troffer, Recessed Architectural 2 x 2 led with frosted linear prismed lens
Ballast	XI040C11CV054BST1
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	3707
Watts	31.80
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.19 90° = 1.31
Luminous Opening in Feet	Length: 1.92 Width: 1.92 Height: 0.00

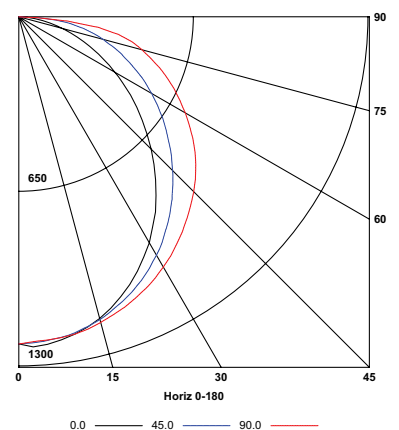
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	943	25.4	25.4
0-40	1543	41.6	41.6
0-60	2751	74.2	74.2
0-90	3707	100.0	100.0
0-180	3707	100.0	100.0

ENERGY DATA

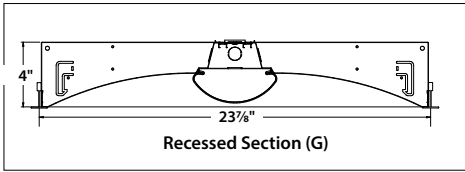
Total Luminaire Efficiency	100.0%
Total Lumens per Watt	117
ANSI/IESNA RP-1-2004 COMPLIANCE:	Non-Compliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.07 based on 3000 hrs. and \$0.08 per KWH

INDOOR CANDELA PLOT

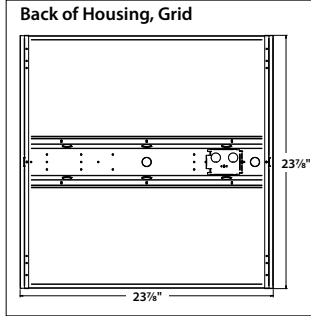
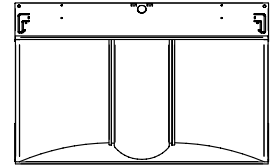
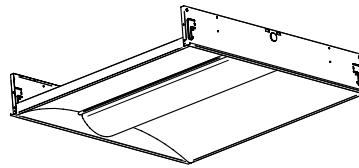


Test 16546 Test Date 7/28/2016

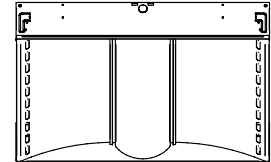
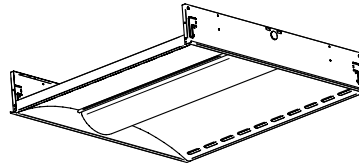
DIMENSIONAL DATA — GRID, STATIC



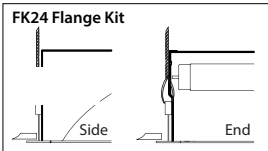
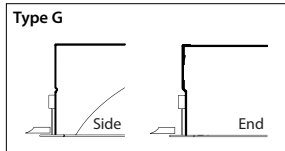
GRID, STATIC



GRID, AIR RETURN

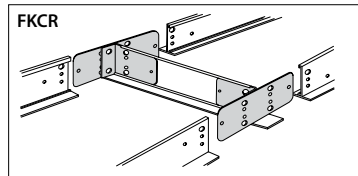


CEILING COMPATIBILITY



For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.

For hard ceiling applications, order FK22 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.



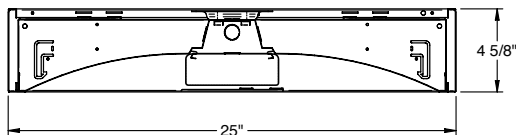
For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK22 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK22 & (1) FKCR)

Row cut out dimensions using FK22s & FKCR adapters:
Width 24 3/8", Length [24" x (# in row)] + 3/8".
Example: (24" x 2) + 3/8" = 48 3/8"

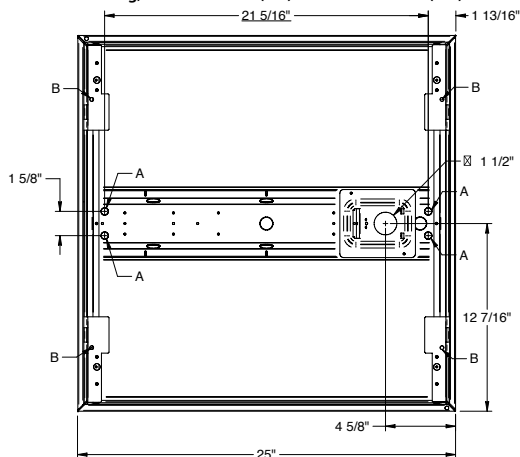
Flange kit cut out dimension for single unit only: 24 3/8" x 24 3/8"

DIMENSIONAL DATA — SURFACE MOUNT & CABLE MOUNT, STATIC ONLY

Surface Section (SM) – Image shown with rectangular lens



Back of Housing, Surface Mount (SM) and Cable Mount (CM)



Surface Mount:

Order SM ceiling type. Mounting collar required for surface mounting. (4) Mounting knock-outs, 3/8", provided in center channel as indicated at left, marked A.

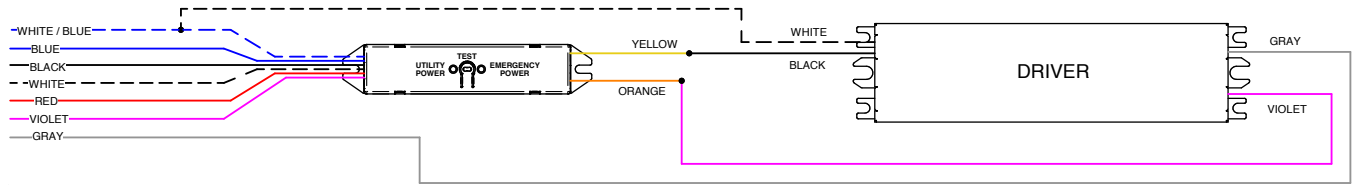
Cable Mount:

Order CM ceiling type. Use CM48Y2SC3F-KIT 48" Cable Mount Kit for 2' wide CM fixtures. Mounting holes are provided in diagonal straps shown at left, marked B.

* For Cable Mount a 2" x 3" access plate with (4) 3/8" KOs provided in place of Mounting Collar shown.

NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

DTS WIRING DIAGRAM



WHITE / BLUE	→	EMERGENCY NEUTRAL
BLUE	→	EMERGENCY LINE
BLACK	→	UTILITY LINE
WHITE	→	UTILITY NEUTRAL
RED	→	SWITCHED HOT
VIOLET	→	DIMMING
GRAY	→	DIMMING

SPECTRASYNCTM COLOR TUNING TECHNOLOGY

Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync Color Tuning Technologies.

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)

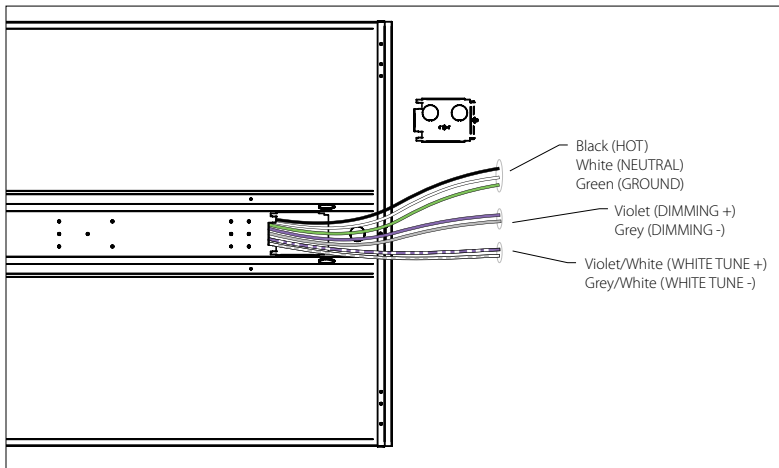
Scheduled White

Scheduled White creates an environment that mimics the rhythms of natural light throughout the day, enhancing occupant's mood and well-being. (Available with 2700K-5000K or 2700K-6500K)

SPECTRASYNCTUNABLE WHITE

2750T OR 2765T- SPECTRASYNCTUNABLE WHITE, 2700K-5000K OR 2700K-6500K

Requires (2) 0-10V controllers, (1) for intensity and (1) for CCT. Minimum 5% dimming.



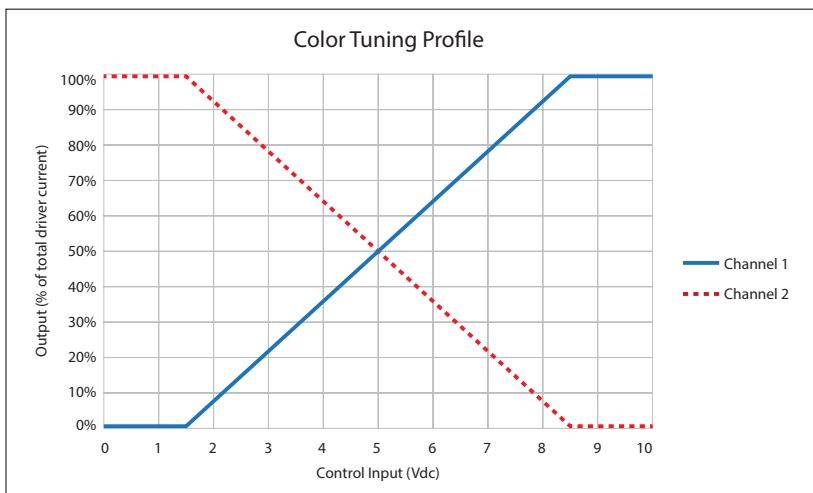
SpectraSync tunable white luminaires are provided with (2) 0-10V circuits. The violet and grey circuit is for wiring to any qualified 0-10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0-10V controller for tunable white CCT control.

CONTROLLER MANUFACTURER DATA



Suggested controllers to be used with SpectraSync:

SpectraSync tunable white was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- Hubbell Control Solutions (HCS): NX Distributed Intelligence Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



To enable scheduling and for use with NX wall control preset stations please refer to Hubbell Control Solutions NX SpectraSync technical sheet.

Shielding	Lumen Output	Watts	2700		3000		3500		4000		5000		6500	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
Curve 	VW	14	1500	110	1567	115	1595	117	1616	119	1669	123	1644	121
	MW	18	1961	109	2049	114	2086	116	2113	117	2182	121	2149	119
	LW	23	2582	114	2698	119	2747	122	2782	123	2873	127	2830	125
	ML	29	3177	111	3320	116	3380	118	3423	119	3536	123	3483	121
	HL	32	3444	108	3599	113	3664	115	3711	117	3833	121	3775	119
Rectangle 	VW	13	1479	110	1545	115	1573	117	1593	119	1645	123	1621	121
	MW	18	1930	109	2017	114	2053	116	2080	117	2148	121	2116	120
	LW	23	2547	113	2661	118	2709	120	2743	121	2834	125	2791	124
	ML	29	3127	109	3267	114	3326	116	3368	117	3479	121	3427	119
	HL	32	3391	107	3543	112	3607	114	3653	116	3773	119	3717	118

NX™ SOLUTION GUIDE FOR SPECTRASync™ COLOR TUNING TECHNOLOGY

When paired with SpectraSync™ enabled luminaires, NX Distributed Intelligence lighting control delivers a comprehensive color control solution, simplifying setup and code compliance through self-configuration and an optional Bluetooth® interface with mobile application.

- Complete control solutions using SpectraSync color tuning technology
- Device auto-configuration and plug-n-play connectivity
- Intuitive app interface and user-friendly wall stations

NX™ Distributed Intelligence Accessories for SpectraSync Control	
CATALOG NUMBER	DESCRIPTOR
NXAC-120	NX Area Controller, NEMA 1, HubbNET, BACnet™, 120 Volt
NXHNB	NX Network Bridge Module
NXRC-2RD-UNV	NX Room Controller, 2 Relay, 0-10V Dimming, Universal Voltage
NXSW-CCT-xx	NX Digital CCT Scene Switch, 6 Buttons, 4 Presets, Raise/Lower
NXSW-SS-xx	NX Digital Scene Switch, 6 Buttons, 4 Presets, Raise/Lower
NXSW-ORLO-xx	NX Digital Switch Station, On/Raise/Lower/Off
NXSW-RL-xx	NX Digital Switch Station, 2 Buttons, Raise/Lower
NXSW-OO-xx	NX Digital Switch Station, On/Off
NXSW-TO-xx	NX Digital Switch Station, Timed-On, Pilot

Order as separate catalog number. Visit www.hubbellcontrolsolutions.com

Note: 'xx' = color; Black (BK), Gray (GY), Ivory (IV), Light Almond (LA), Red (RD), White (blank).

NX USER INTERFACES



Wall stations for personalized control of light and color



NX mobile app offers user-friendly configuration tool



Area Controller GUI provides simple and intuitive programming

Android

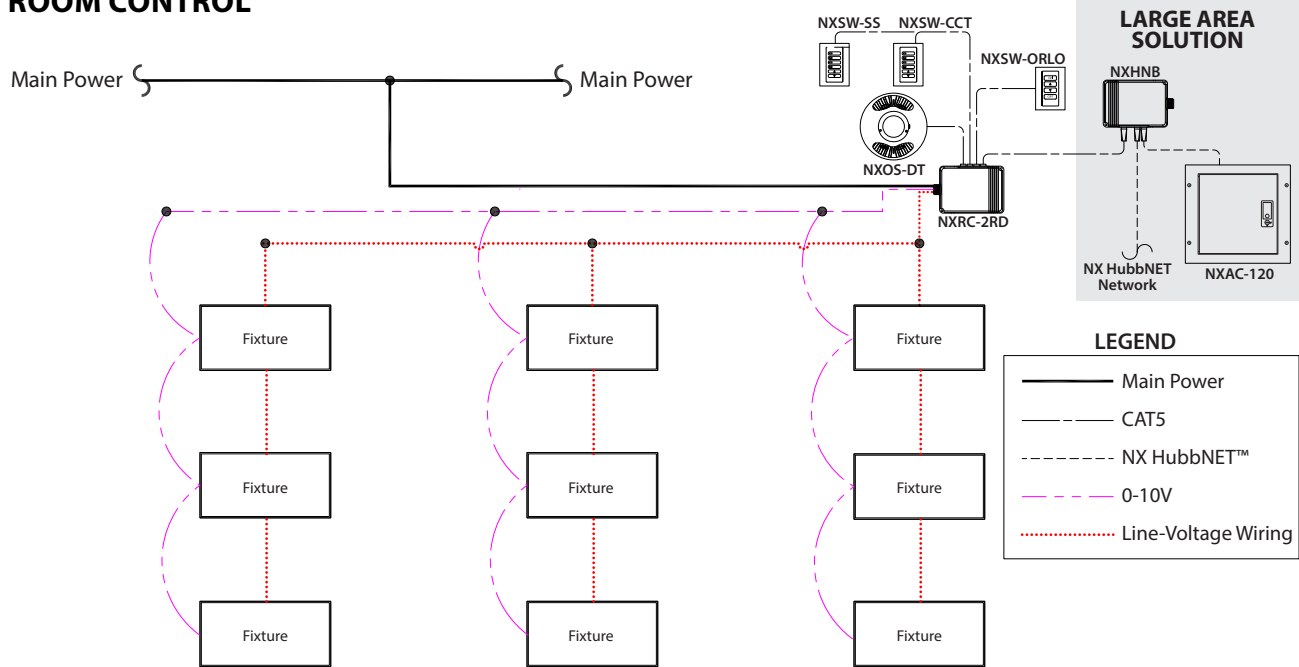


Free Bluetooth® enabled mobile app for ease of configuration

Apple



TYPICAL NX DISTRIBUTED INTELLIGENCE™ LAYOUT FOR STAND-ALONE OR NETWORKED ROOM CONTROL



NX DISTRIBUTED INTELLIGENCE™ IN-FIXTURE SOLUTION GUIDE

NX Distributed Intelligence enables Hubbell's portfolio of commercial, industrial and architectural luminaires to further reduce energy consumption and total cost of ownership for simple to complex control environments.

NX-enabled luminaires provides you the breadth and flexibility to address all your project requirements today and in the future. For a complete list of luminaires with integrated NX options please visit our website.

NX Distributed Intelligence™ In-Fixture Options			
NX CONTROL OPTIONS	DESCRIPTOR	CONNECTIVITY	APPLICATION SPACE
NXSP14F	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'	Standalone	Both
NXSPL	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, Low Mount	Standalone	Indoor
NXOS	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, OMNI	Standalone	Indoor
NXS	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting	Standalone	Indoor
NXSPH	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, High Mount	Standalone	Indoor
NXSP30F	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'	Standalone	Outdoor
NXEPL	NX Enabled, PIR Occupancy Sensor, Dimming Daylight Harvesting, Low Mount	Wired	Indoor
NXE	NX Enabled, Dual SmartPorts	Wired	Indoor
NXEOS	NX Enabled, PIR Occupancy Sensor, Dimming Daylight Harvesting, OMNI	Wired	Indoor
NXES	NX Enabled, PIR Occupancy Sensor, Dimming Daylight Harvesting	Wired	Indoor
NXESPH	NX Enabled, PIR Occupancy Sensor, Dimming Daylight Harvesting, High Mount	Wired	Indoor
NXSPW14F	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14'	Wireless	Both
NXWE	NX Wireless Enabled	Wireless	Both
NXSPWL	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, Low Mount	Wireless	Indoor
NXOSW	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, OMNI	Wireless	Indoor
NXSPWH	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, High Mount	Wireless	Indoor
NXSW	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting	Wireless	Indoor
NXSPW30F	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30'	Wireless	Outdoor

Visit www.hubbellcontrolsolutions.com for additional information on the NX platform. For information on NX options available with specific Hubbell Lighting luminaires please reference specification sheets.

NX Distributed Intelligence™ Accessories	
CATALOG NO.	DESCRIPTOR
NXAC-120	NX Area Controller, NEMA 1, HubbNET, BACnet, 120 Volt
NXHNB	NX Network Bridge Module
NXRC-2RD-UNV	NX Room Controller, 2 Relay, 0 - 10V Dimming, Power Monitoring, Universal Voltage
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC
NXSW-CCT-xx	NX Digital CCT Scene Switch, 6 Buttons, 4 Presets, Raise/Lower
NXSW-SS-xx	NX Digital Scene Switch, 6 Buttons, 4 Presets, Raise/Lower
NXSW-ORLO-xx	NX Digital Switch Station, On/Raise/Lower/Off
NXSW-RL-xx	NX Digital Switch Station, 2 Buttons, Raise/Lower
NXSW-OO-xx	NX Digital Switch Station, On/Off
NXSW-TO-xx	NX Digital Switch Station, Timed-On, Pilot

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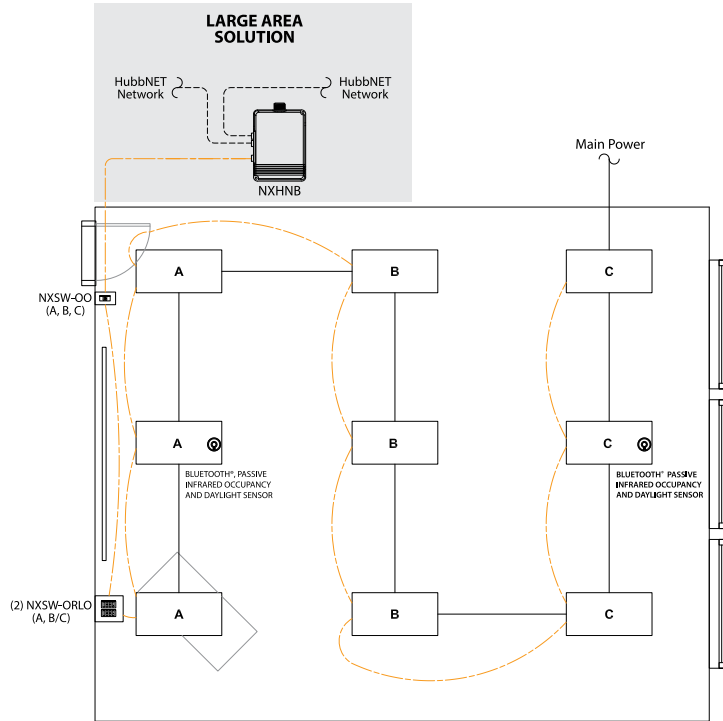
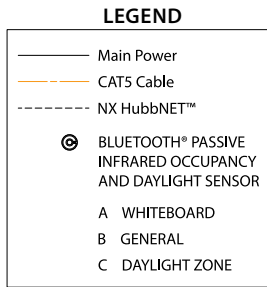
Free Bluetooth® enabled mobile app for ease of configuration

Apple

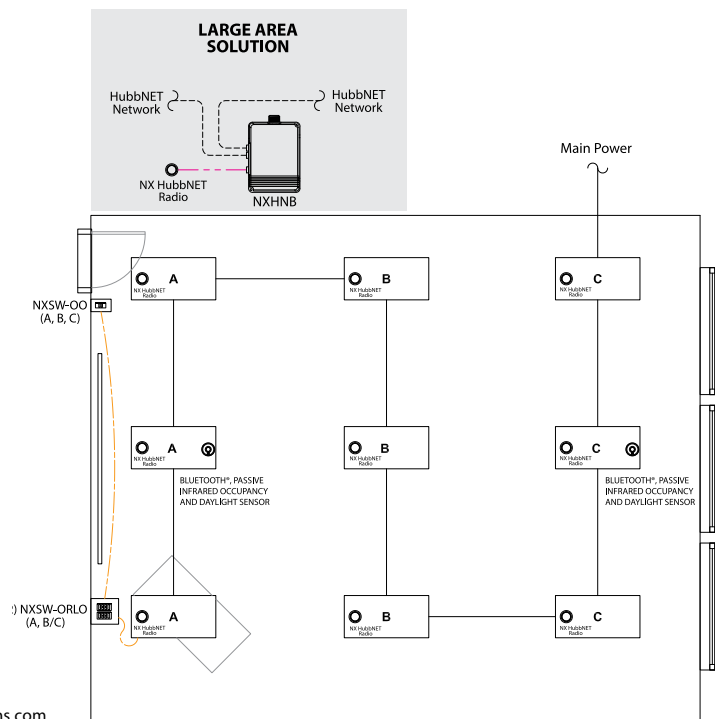
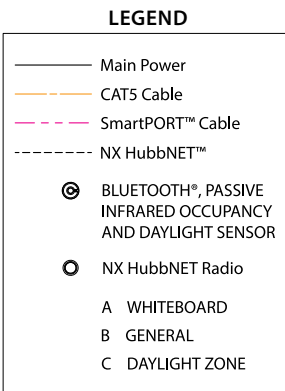


TYPICAL NX DISTRIBUTED INTELLIGENCE™ LAYOUT FOR WIRELESS OR WIRED NETWORKED IN-FIXTURE CONTROL

Vertical Market: Education
Application: Classroom
Connectivity: Wired



Vertical Market: Education
Application: Classroom
Connectivity: Wireless



For additional solutions possible with NX please visit www.hubbellcontrolsolutions.com to view our Vertical Market Application Guides.