

Scaler™ 2x2 Panel  
2'X2' EDGE-LIT FLAT PANEL

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Edge-lit flat panel with options provides a wide variety of configurations to match any application
- Appropriate for offices, schools, medical, and public spaces
- Superior construction provides even light across the face of the fixture
- IC rated
- Suitable for ISO Class 5–9 positive pressure cleanrooms



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Extruded aluminum frame has a matte white finish and clean frame-to-lens transition

OPTICS

- Acrylic blend light guide with frosted/ textured outer lens provides edge to edge illumination without pixelation or bright spots

INSTALLATION

- Integral T-bar clips with holes for seismic wires standard for secure mounting to grid ceiling
- For surface/cable mount applications use surface/cable mount kit accessories
- For plaster or sheet rock installations, use flange kit

ELECTRICAL

- 54,000 hour LEDs at L70 for

reduced maintenance

CONTROLS

- Optional SpectraSync™ offers a Tunable White solution and integrates seamlessly into a variety of control systems
- NX Lighting Controls provides options for wired or wireless connectivity for NX system deployments

CERTIFICATIONS

- All luminaires are built to UL 1598 standards and bear appropriate cULus labels
- CSA certified to UL 924 standards with battery pack
- Damp location label standard
- Tested in accordance with ISO 14644-1; suitable for ISO Class 5–9 positive and negative pressure clean rooms
- NX is available in U.S., Canada and Mexico. For other locations consult factory

- UL Sanitation certified to NSF 2 Food Equipment standard for non-food zones

CERTIFICATIONS (CONTINUED)

- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems UL certified to UL 924. See page 8 for wiring diagram.
- Adheres to LM79, LM80, and TM21 industry standards for photometrics and lifetime calculations

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	1492–4746
Wattage Range	13–41
Efficacy Range (LPW)	103–128
Reported Life (Hours)	170/54,000

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ORDERING GUIDE

CATALOG #

Example: SRP22-35LWG-EDU-ELL14-NXE

SRP22							G		
Model	CRI	Color Temp		Lumen Output		Ceiling	Driver		
SRP22 2' x 2' Scaler™ Panel Edge-Lit	Blank >80	30	3000K	VW	1492–1678	G Grid	ED	0–10V Dimming	
		35	3500K	MW	2071–2330		ED1	0–10V 1% Dimming	
		40	4000K	LW	2643–2973		EDD	0–10V Dim-to-Off	
		50	5000K				ESD	Step Dimming	
		3050T	3000–5000K				LUTH	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology <sup>1,2</sup>	
			See Product Availability Table (next page)						

Voltage	Options	Control Options <sup>10</sup>	Accessories
U 120V-277V 347 347V	<div>ELL14Emergency Battery Pack Installed, 1400 Lumens <sup>2,3</sup></div> <div>ELL14STEmergency Battery Pack Installed, 1400 Lumens w/ Self Test <sup>2,3</sup></div> <div>ELL14H2Emergency Battery Pack, 2-Hour Run Time <sup>2,3,4</sup></div> <div>DTSDimming Bypass Module <sup>2,3,5</sup></div> <div>CPChicago Plenum</div> <div>GLRFast Blow Fuse</div> <div>C3xx3-wire Flex <sup>6</sup></div> <div>C4xx4-wire Flex <sup>6</sup></div> <div>C5xx5-wire Flex <sup>6</sup></div>	<div><b>NX Networked – Wired</b></div> <div>NXENX Dual RJ45 SmartPORTs, without Sensor <sup>2,6,7</sup></div> <div><b>NX Networked – Wireless</b></div> <div>NXWNX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor <sup>2,6,7</sup></div>	<div><input type="checkbox"/> FK222x2 Single Flange Kit (Shipped separately)</div> <div><input type="checkbox"/> PLRTSRemote Test Switch Module <sup>8</sup></div> <div><input type="checkbox"/> PSMK-222x2 Flat Panel Surface Mount Kit <sup>9</sup></div> <div><input type="checkbox"/> CFPCM36Y SC5F-KIT36" Cable Mount Kit for 1' or 2' wide Cable Mount fixtures, 5-wire</div>

Notes:

1

Limitations apply based on lumen packages (see Product Exceptions & Details)

2

Not available in 347V

3

For compatibility with Dual-Lite LiteGear® inverters, contact lighting representative

4

Not available for use in Canada

5

For emergency circuit control loads including sensors and wireless systems UL certified to UL 924. See page 6 for wiring diagram

**NX In-Fixture Control Options:**

6

For NX control and flex wire together consult factory

7

NX is not available with ESD or LUTH driver options

**Accessory Notes:**

8

Use with emergency battery pack

9

Surface mount kit can not be used with NXW options

**All Controls**

10

Minimum ambient temperature: 0°C (32°F)

For questions about configuration options, contact lighting representative

PRODUCT EXCEPTIONS & DETAILS

Driver options listed below are available for the outputs as shown.

DRIVER AVAILABILITY TABLE						
	VW	MW	LW	ML	HL	VL
ED	X	X	X	X	X	X
ED1	X	X	X	X	X	X
EDD	X	X	X	X	X	X
ESD	X	X	X	X	X	X
LUTH	X	X	X	X	X	X
347	X	X	X	X	X	X

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CONTROLS

NX Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid.  
Integrates with and enables a wide array of luminaires including those with SpectraSync™ Color Tuning Technology.



NX INTEGRATED CONTROLS REFERENCE								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
NX Networked – Wired								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC/R¹
NX Networked – Wireless								
NXW²	N/A	Yes	Yes	No	No	Yes	Yes	Yes

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

SpectraSync™ Color Tuning Technology:

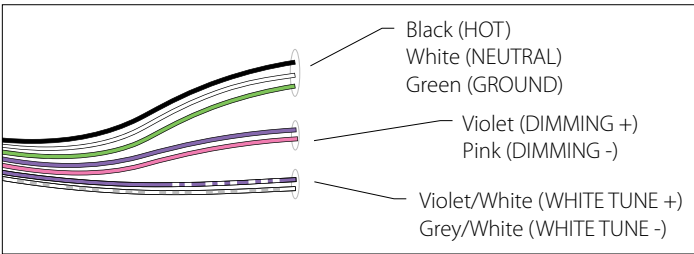
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCH COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	3000K–5000K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space

SpectraSync Tunable White

3050T (3000K–5000K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

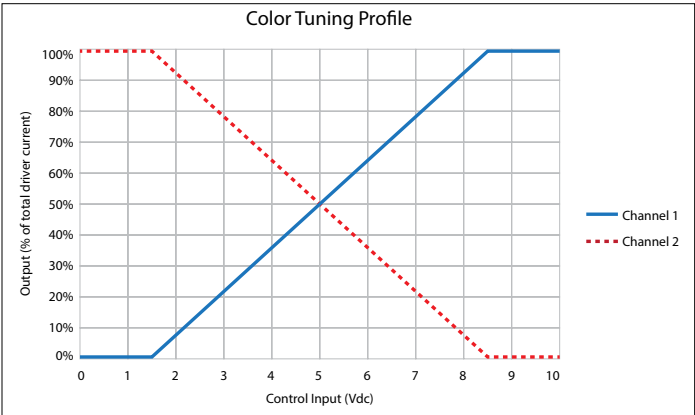


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

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

- NX Lighting Controls Room Controller (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NDTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



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

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DELIVERED LUMENS, SPECTRASYNC™



Lumen Output	Watts	3000		3500		4000		5000	
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
VW	13	1492	111	1554	115	1616	120	1678	125
MW	18	2071	113	2157	118	2243	122	2330	127
LW	23	2643	114	2753	118	2863	123	2973	128
ML	30	3062	103	3190	107	3317	111	3445	115
HL	33	3546	108	3694	112	3841	117	3989	121
VL	41	4218	104	4394	108	4570	113	4746	117

DELIVERED LUMENS

Product Availability			
Lumen Package	Lumens	Input Watts	LPW
SRP22-30VW-EDU	1492	13	111
SRP22-35VW-EDU	1554	13	115
SRP22-40VW-EDU	1616	13	120
SRP22-50VW-EDU	1678	13	125
SRP22-30MW-EDU	2071	18	113
SRP22-35MW-EDU	2157	18	118
SRP22-40MW-EDU	2243	18	122
SRP22-50MW-EDU	2330	18	127
SRP22-30LW-EDU	2643	23	114
SRP22-35LW-EDU	2753	23	118
SRP22-40LW-EDU	2863	23	123
SRP22-50LW-EDU	2973	23	128
SRP22-30ML-EDU	3062	30	103
SRP22-35ML-EDU	3190	30	107
SRP22-40ML-EDU	3317	30	111
SRP22-50ML-EDU	3445	30	115
SRP22-30HL-EDU	3546	33	108
SRP22-35HL-EDU	3694	33	112
SRP22-40HL-EDU	3841	33	117
SRP22-50HL-EDU	3989	33	121
SRP22-30VL-EDU	4218	41	104
SRP22-35VL-EDU	4394	41	108
SRP22-40VL-EDU	4570	41	113
SRP22-50VL-EDU	4746	41	117

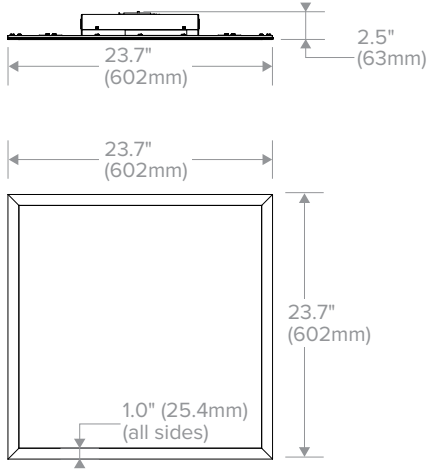
# Scaler™ 2x2 Panel

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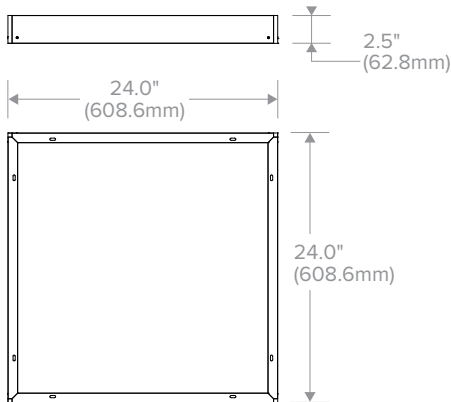
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## DIMENSIONS

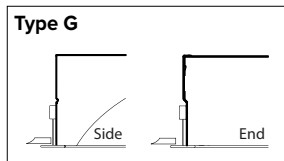
### GRID



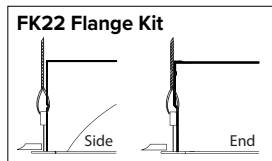
### SURFACE MOUNT



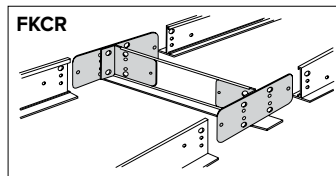
### CEILING COMPATIBILITY



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<sup>3</sup>/<sub>8</sub>", Length [24" × (# in row)] + <sup>3</sup>/<sub>8</sub>".  
Example: [24" × 2] + <sup>3</sup>/<sub>8</sub>" = 48<sup>3</sup>/<sub>8</sub>"

**Flange kit cut out dimension for single unit only: 24<sup>3</sup>/<sub>8</sub>" × 24<sup>3</sup>/<sub>8</sub>"**

Columbia  
LIGHTING

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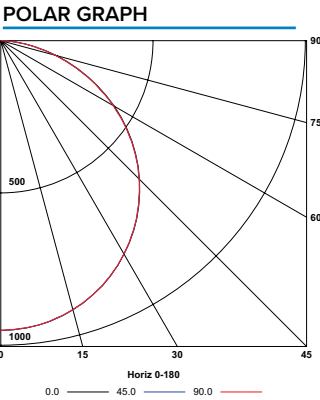
CATALOG #:

PHOTOMETRY

SRP22-35LW

LUMINAIRE DATA	
Test No.	19.02119
Description	2' x 2' LED SRP Scaler Panel
Delivered Lumens	2755
Watts	23.28
Efficacy	118
Mounting	Recessed
Spacing Criterion	0° = 1.26 90° = 1.26

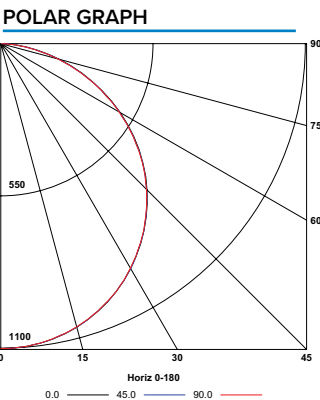
ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	741	26.9
0-40	1216	44.1
0-60	2161	78.5
0-90	2755	100.0
0-180	2755	100.0



SRP22-35ML

LUMINAIRE DATA	
Test No.	19.01989
Description	2' x 2' LED SRP Scaler Panel
Delivered Lumens	3192
Watts	29.83
Efficacy	107
Mounting	Recessed
Spacing Criterion	0° = 1.26 90° = 1.26

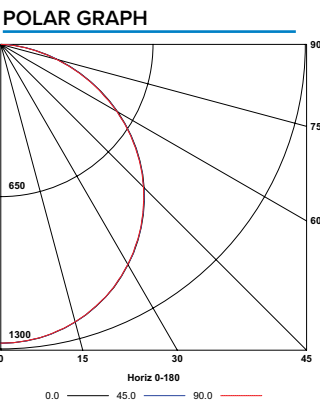
ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	858	26.9
0-40	1409	44.1
0-60	2504	78.5
0-90	3192	100.0
0-180	3192	100.0



SRP22-35HL

LUMINAIRE DATA	
Test No.	19.02070
Description	2' x 2' LED SRP Scaler Panel
Delivered Lumens	3696
Watts	32.86
Efficacy	112
Mounting	Recessed
Spacing Criterion	0° = 1.26 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Luminaire
0-30	994	26.9
0-40	1631	44.1
0-60	2900	78.5
0-90	3696	100.0
0-180	3696	100.0



ADDITIONAL INFORMATION

DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)

