

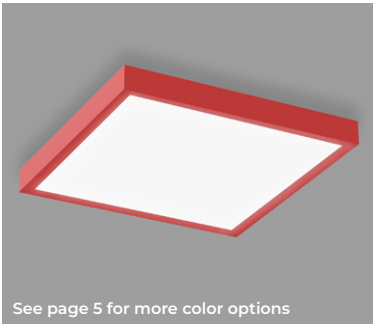
POP COLOR SQUARE 4x4

LUMENWERX

SURFACE
STATIC WHITE

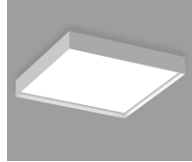


Project: _____
Type: _____



See page 5 for more color options

Flush lens



2" regressed lens

DESCRIPTION

POP Color features a painted housing with a uniformly luminous diffuser that sits flush or regressed. The diffuser and light engine form a fully enclosed unit secured by a twist-and-lock mechanism for easy maintenance with no exposed hardware. POP Color delivers up to 114 LPW and is available in nine standard housing colors.

Order Guide

Up to 114 lm/W performance

LUMINAIRE ID	SIZE	OPTIC	LENS POSITION	LIGHT SOURCE ¹	CRI	DIRECT LUMEN PACKAGE
PCSQS	4FTX4FT	ULO		SW		
PCSQS - Pop Color Square Surface	4FTX4FT - 4' X 4'	ULO - Uniform Lambertian Optic	FH - Flush 2R - 2" regressed	SW - Static white ¹ Chromawerx Sola and Duo also available. Consult other spec sheet.	80 - 80 CRI 90 - 90 CRI	7000 - Min. low output 7000lm 10000 - Medium output 10000lm 14000 - Max. high output 14000lm #### - Other required lm

COLOR TEMP.	VOLTAGE	DRIVER ³	ELECTRICAL	MOUNTING
				SUR
27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	120 - 120V 277 - 277V UNV - 120V-277V 347 ² - 347V ² Available with DI only.	DI - 1% 0-10V DA ⁴ - DALI LDE1 ⁴ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELD0 - eldoLED 0.1% SOLOdrive 0-10V ³ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁴ On-site commissioning is required.	1 - 1 circuit +EB ⁵ - Emergency battery pack +GTD ⁵ - Generator transfer device ⁵ Not available with 347V.	SUR - Surface mount

FINISH	OPTIONS
W - Matte white AL - Aluminum BK - Black RAL 1028 - Yellow RAL 2004 - Orange RAL 3020 - Red RAL 4010 - Magenta RAL 5002 - Blue RAL 6018 - Green CF# - Custom finish specify RAL#	FU120 - Fuse 120V FU277 - Fuse 277V NA - None

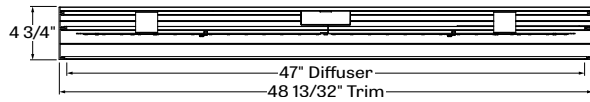
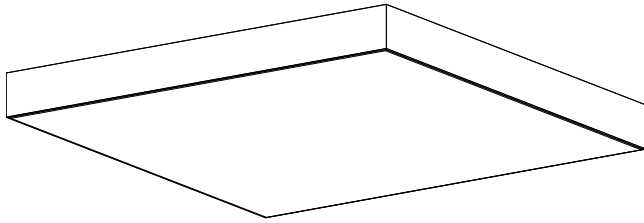
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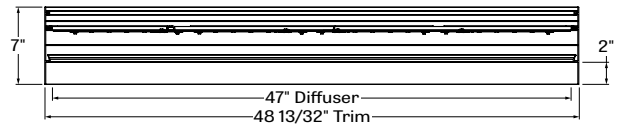
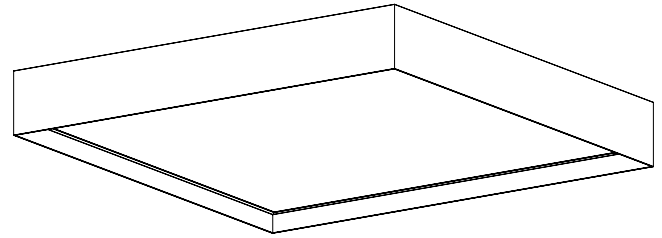
SURFACE
STATIC WHITE

Dimensions

POP COLOR FH - FLUSH



POP COLOR 2R - 2" REGRESSED

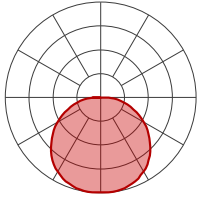


POP COLOR SQUARE 4x4

LUMENWERX

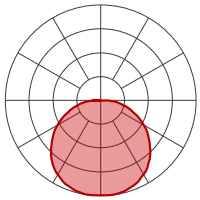
SURFACE
STATIC WHITE

Photometrics



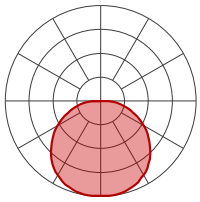
7000 LUMEN AT 80 CRI - LOW OUTPUT

LED OUTPUT	COLOR TEMP	WATTS	NOMINAL DELIVERED LUMENS	EFFICACY LPW
Low output	2700K	66.5	7000	105
Low output	3000K	65.5	7000	107
Low output	3500K	63.5	7000	110
Low output	4000K	61.5	7000	114



10000 LUMEN AT 80 CRI - MEDIUM OUTPUT

LED OUTPUT	COLOR TEMP	WATTS	NOMINAL DELIVERED LUMENS	EFFICACY LPW
Medium output	2700K	97	10000	103
Medium output	3000K	95	10000	105
Medium output	3500K	92.5	10000	108
Medium output	4000K	89.5	10000	112



14000 LUMEN AT 80 CRI - HIGH OUTPUT

LED OUTPUT	COLOR TEMP	WATTS	NOMINAL DELIVERED LUMENS	EFFICACY LPW
High output	2700K	140	14000	100
High output	3000K	137.5	14000	102
High output	3500K	132	14000	106
High output	4000K	128.5	14000	109

SURFACE
STATIC WHITE

Technical Specifications

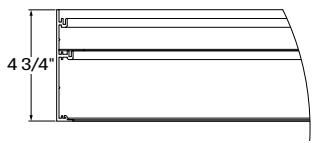
OPTIC

Uniform Efficiency Lambertian Optic (ULO)

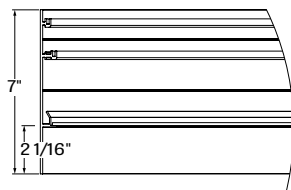
Made of formed impact modified white PMMA, the optic provides an even light distribution with up to 88% transmission. Its unique enclosed shell design protects LEDs against Electrostatic Discharge and dust while its back surface project a soft glow on the mounting surface.

LENS POSITION

Pop Color square 44 surface is available in 2 lens configurations.



PCSQS + FH - Flush lens



PCSQS + 2R - 2" regressed lens

LIGHT SOURCE

Custom array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Other specifiable options include Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE

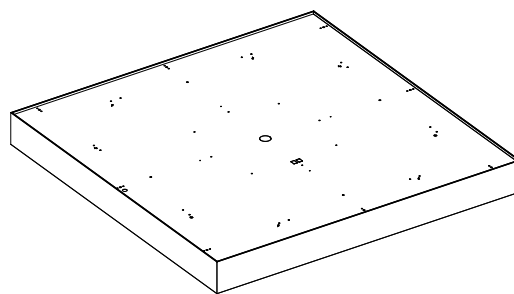
Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white) emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

EMERGENCY

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 10W (25°C) emergency lighting output and recharge time of 24 hours.

MOUNTING OPTION

Fixtures can be mounted directly to T-bar, drywall and hard surface ceilings, hardware supplied by others.



SUR - Surface mount

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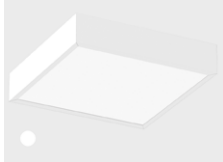
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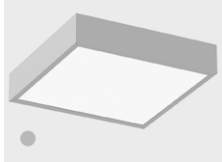
FINISH

Interior - 95%, reflective, matte white powder coating

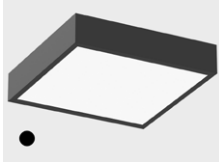
Exterior - Side trim is offered in a range of vibrant color powder coating.



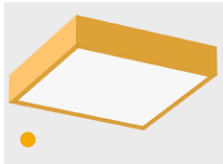
W - Matte white



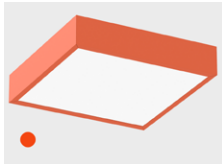
AL - Aluminum



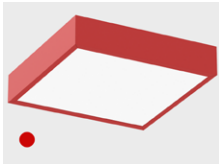
BK - Black



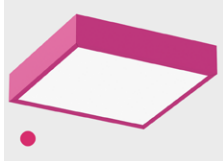
RAL 1028 - Yellow



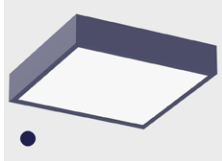
RAL 2004 - Orange



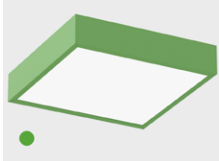
RAL 3020 - Red



RAL 4010 - Magenta



RAL 5002 - Blue



RAL 6018 - Green

CONSTRUCTION

Housing - Welded aluminum extrusion .125in thick, wide variety of colored powder coating

Diffuser - Uniform Lambertian Optic, thermoformed impact modified acrylic, completely enclosed

WEIGHT

SQ 44 Flush, 2R - 77.12lbs - 35.02kg

CERTIFICATION

ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.