

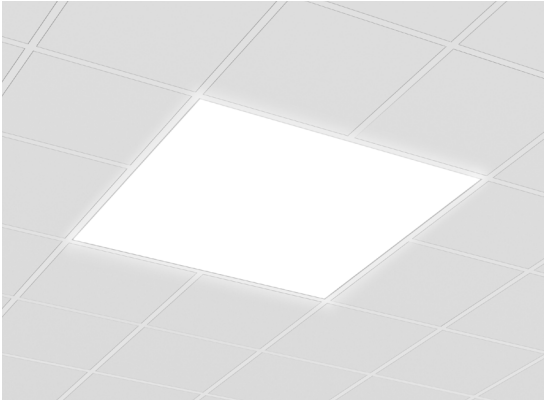
POP RECESSED

SQUARE 4x4
STATIC WHITE



Project: _____

Type: _____



Flush lens

DESCRIPTION

POP Recessed features a uniformly luminous diffuser that sits flush with the ceiling. 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 Recessed delivers up to 114 LPW and installs in grid board ceilings.



IC RATED

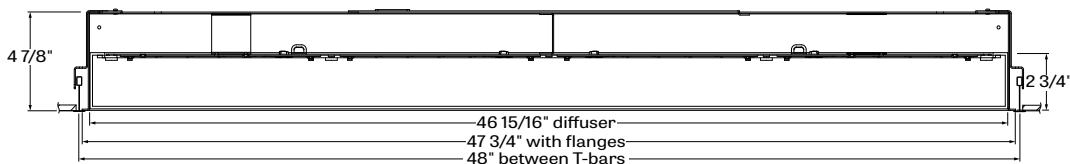
Up to 114 lm/W performance

Order Guide

LUMINAIRE ID	SIZE	OPTIC	LENS	LIGHT SOURCE	CRI	LUMEN PACKAGE
POSQR	4FTX4FT	ULO	FH	SW		
POSQR - Pop Square Recessed	4FTX4FT - 4' X 4'	ULO - Uniform Lambertian Optic	FH - Flush	SW - Static white	80 - 80CRI 90 - 90CRI	7000 - Min. low output 7000lm 10000 - Medium output 10000lm 14000 - Max. high output 14000lm #### - Other required lm

COLOR TEMP.	VOLTAGE	DRIVER ¹	ELECTRICAL	MOUNTING	FINISH	OPTIONS
					W	
27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	120 - 120V 277 - 277V UNV - 120V-277V 347 - 347V	D1 - 1% dimming 0-10V DA ² - DALI LDE1 ² - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive ELDO - eldoLED 0.1% SOLOdrive	1 - 1 circuit +EB - Emergency battery pack +GTD - Generator transfer device	TG9 - Tegular 9/16" TG15 - Tegular 15/16" TB9 - T-bar 9/16" TB15 - T-bar 15/16" ST - Screw slot t-bar	W - Matte white	FU120 - Fuse 120V FU277 - Fuse 277V CP - Chicago Plenum NA - None
		¹ PoE (Power-over-Ethernet) compatible. Consult factory for details. ² On-site commissioning is required.				

CROSS SECTION



POSQR + FH - pop square recessed with flush lens

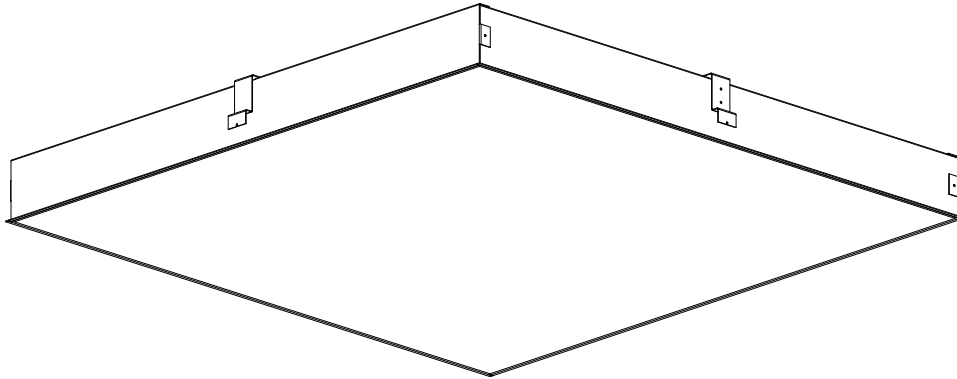
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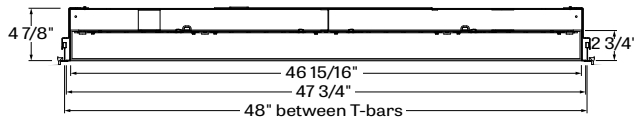


GRID CEILINGS

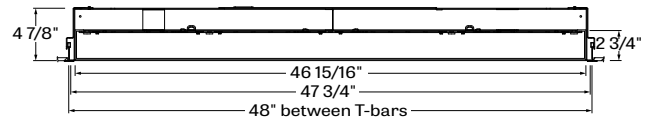
RECESSED FH - FLUSH



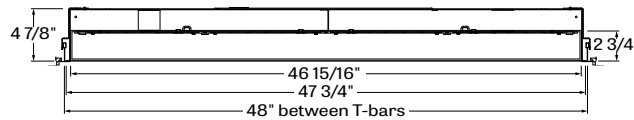
POSQR - TG9 - tegular 9/16"



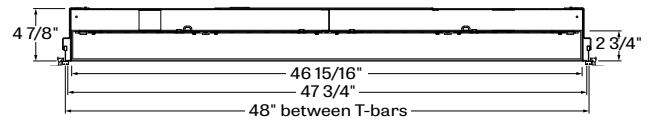
POSQR - TB15 - t-bar 15/16"



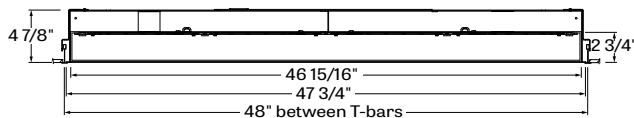
POSQR - TG15 - tegular 15/16"



POSQR - ST- screw slot t-bar



POSQR - TB9 - t-bar 9/16"

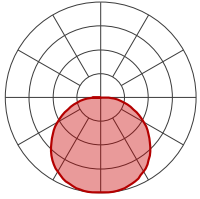


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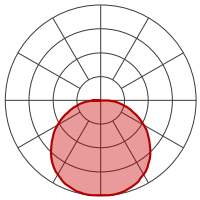


Photometrics



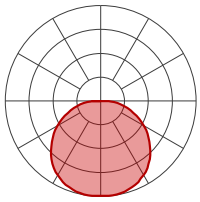
7000 LUMEN AT 80 CRI - LOW OUTPUT

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

POP RECESSED

SQUARE 4x4
STATIC WHITE



Technical Specifications

OPTICS

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.

LIGHT SOURCE - STATIC WHITE

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%, eldoLED 1% ECOdrive, eldoLED 0.1% SOLOdrive, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

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.

PoE

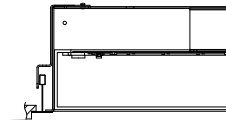
Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, Duo (tunable white), emergency battery backup, and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

MOUNTING OPTIONS

Recess mount into exposed or concealed T-Bar or Tegular grid ceiling.



TG9 - tegular 9/16"



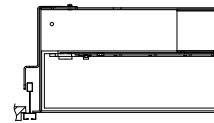
TG15 - tegular 15/16"



TB9 - t-bar 9/16"



TB15 - t-bar 15/16"



ST - screw slot t-bar

FINISH

Interior - 95% reflective, matte white powder coating

Exterior - matte white powder coating.

CONSTRUCTION

Housing - 16 gauge spun aluminum, matte white powder coating

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

WEIGHT

SQ 44 Flush, 1D, 2D - 55.68lbs - 25.28kg

CERTIFICATIONS

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

Chicago plenum - City of Chicago Approved (CCEA)

IC rated - suitable for direct contact with insulation.

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.