

RECESSED STATIC WHITE







RECESSED STATIC WHITE

Project:		
J.		
Tyne:		

Order Guide

LUMINAIRE ID	DISTRIBUTION	OPTIC	LIGHT SOURCE 1	CRI	LUMEN PACKAGE
VIA2PCR	D		sw		
VIA2PCR - Via 2" Peak Candela Recessed	D - Direct	PCO40 - Peak Candela Optic, 40° beam PCO60 - Peak Candela Optic, 60° beam	SW - Static white Chromawerx SOLA and DUO also available. Consult other spec sheet.	80CRI - 80+ CRI 90CRI - 90+ CRI	350LMF - Low output 350 lm/ft 500LMF - Medium output 500 lm/ft 750LMF - High output 750 lm/ft 1000LMF - Ultra high output 1000 lm/ft

COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER 4	ELECTRICAL
27K - 2700K 30K - 3000K	#FT#IN ² - Specify nominal length (#) in 1' and/or 1" increments	120V - 120V 277V - 277V	D1 - 1% 0-10V DA 5 - DALI	1C - 1 circuit #MC 7 - Multi circuit
35K - 3500K 40K - 4000K 50K - 5000K	Standard nominal lengths: Single units: 2' to 12'	UNV - 120V-277V 347V ³ - 347V	LDE1 ⁵ - Lutron Hi-lume 1% Eco ELD1 - eldoLED 1% ECOdrive 0-10V ELD0 - eldoLED 0.1% SOLOdrive 0-10V	EC - Emergency-powered fixture NL - Night light fixture DL - Daylight fixture
	Continuous runs: lengths over 12' 2- Minimum 2':	³ Available with D1 driver only.	ELV 6 - ELV 120V TRI 6 - TRIAC 120V	GTD ^{8,9} - Generator transfer device fixture ⁷ Specify total number of circuits (#), including any
	 PCO is available in 7" and 1" increments. If the fixture length is not a multiple of these optic increments, blanks of equal length will be added at both ends of the fixture. 		APOE (Power-over-Ethernet) compatible. Consult factory for details. On-site commissioning is required. Available with 120V only.	required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit [®] Minimum 4' fixture. [®] Not available with 347V.

9/16" r 15/16" f16" 5/16" st T-bar s II mud flange iple flange mounting unting options also available (e.g. Recessed to ce), consult factory for details.	W - Matte white B - Matte black CF# - Custom finish, specify RAL#
	r 15/16" 16" 5/16" st T-bar s II mud flange iple flange mounting unting options also available (e.g. Recessed to

OPTIONS 24

STANDALONE CONTROLS 19,20 Specify the quantity (#) of sensors per fixture. #OMS 21 - Onboard Occupancy #OMS## 22 - Onboard Occupancy with bilevel dimming #ODS - Onboard Daylight #OCS - Onboard Occupancy & Daylight	CONNECTED CONTROLS 23 LU - Lutron AWNR - Lutron Athena Wireless Node RF Only AWNS - Lutron Athena Wireless Node Sensor ENC - Encelium WL - Cooper Wavelinx AN - Acuity nLight CA - Casambi LG - Legrand		FU120 - Fuse 120V FU277 - Fuse 277V FWC - Flexible whip cable (6' std) CP - Chicago Plenum NA - None 24 Separate codes with a "+" if more than one is specified.
NA - None **Standalone and connected control options cannot be combined. **Available with D1 driver and 1 circuit options only. **Dixture dims to specified light level % (##). **Di			

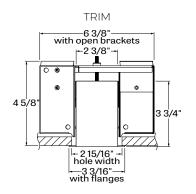


CONTROL 18

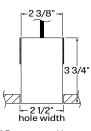


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Dimensions

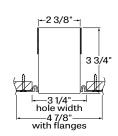


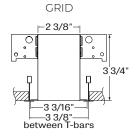
TRIMLESS



* For regressed lens, the hole width is 25/8"

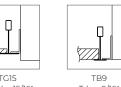
DRYWALL MUD FLANGE

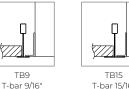












T-bar 15/16"





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Multiple Flange Mounting Details

Multiple flange mounting can be specified when a fixture run needs to have a multiple flange recessed mounting detail. A drawing is required to clearly illustrate the application.

CEILING CONDITION EXAMPLES (consult factory for project specific ceiling conditions)

DRYWALL/GRID DRYWALL/WOOD e.g. DTR/DTL e.g. DMF/TB15 Trim to Trimless Drywall Mud Flange to TB15 DRYWALL/GRID e.g. 1TG9/3DTR 1 long side TG9 and other 3 sides DTR

TRANSITION MOUNTING OPTIONS (consult factory for details)

Mounting condition alters along the run of the fixture.







Surface to Pendant



All drawings are for illustrative purposes only.



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Photometrics

Values calculated based on a 4' fixture at 3500K for all optics.



LM/FT	W/FT	LM/W
350	2.5	143
500	3.6	140
750	5.4	138
1000	7.4	135



LM/FT	W/FT	LM/W
350	2.4	144
500	3.5	141
750	5.4	139
1000	7.4	136

MULTIPLIER TABLE

Use the table to get results for different color temperatures for all photometric tables.

Multiplier - CCT/CRI

сст	WATTS 80+ CRI / 90+ CRI	LPW 80+ CRI / 90+ CRI
2700K	1.04	0.96
3000K	1.00	1.00
3500K	1.00	1.00
4000K	0.99	1.01
5000K	0.94	1.06



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Technical Specifications

OPTICS

Peak Candela Optic (PCO)

The Peak Candela Optic (PCO) combines TIR technology with louver shielding, producing a narrow beam with significantly higher central intensity than opal lenses while maintaining exceptional visual comfort. Its translucent surface softly reflects light onto the ceiling, creating a subtle, pleasant glow.

LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K, and 5000K with a minimum 80+ CRI and an option for 90+ CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. 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.

LUMINAIRE LENGTH

Via 2 Peak Candela is available in standard lengths of 2' to 12'. Continuous runs are available for run lengths over 12'. Exact run length must be noted in the product code. The minimum length is 2', and can be ordered in 1' and/or 1" increments. PCO is available in 7" and 11" increments. If the fixture length is not a multiple of these optic increments, blanks of equal length will be added at both ends of the fixture.

All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) 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% Eco, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, ELV, TRIAC, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant. ELV and TRIAC dimming performance (including minimum dimming percentage) subject to dimmer selection.

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), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency-powered sections on a second circuit.

Code: 2MC-2EC96

Example 2: A 24' Direct fixture with one 4' generator transfer device section. Code: 1MC-1GTD48

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#)

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 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

MOUNTING

Recessed fixtures can be mounted into exposed or concealed T-bar or tegular ceiling, as well as in ceilings with trim, trimless, or mud flange options.

Interior: 95%, reflective matte powder coated white paint Exterior: Matte white or matte black powder coating. Custom finishes are also available.





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CONTROLS

Lumenwerx offers several options for integrating occupancy and daylight harvesting controls in our luminaires. For latest information on sensors, click here.



Standalone controls

An integrated standalone sensor controls the luminaire in which it is installed. Depending on the length, more than one sensor may be necessary and may control the entire luminaire, or just a section of it. These controls operate independently. Unless otherwise agreed, sensor location, blank size, and functionality of the sensor within the luminaire are selected by Lumenwerx. See client drawings for details.

Three types are available:

OMS: An integral Passive InfraRed (PIR) sensor turns luminaires on and off automatically with field-adjustable time out period. No wall control is used. Coverage pattern for large motion has a 12' diameter with the sensor mounted 8' above the floor; for small motion, the pattern has an 8' diameter. Typically, one sensor is required for every 10' of a continuous luminaire run.

ODS: An integral, daylight harvesting sensor with closed-loop operation dims the luminaire in which it is installed in order to compensate for available daylight. The sensor measures the combination of daylight and luminaire light reflected from horizontal surfaces below the luminaire. Initial onsite calibration is required via the use of provided remote control.

OCS: Both an occupancy and a daylight sensor are installed in the luminaire.

Connected controls

With connected controls, sensors or nodes installed in the luminaire form part of a larger control system infrastructure from manufacturers such as: Lutron, Encelium, Cooper Wavelinx, Acuity nLight, Casambi, Legrand, and others. These connected controls allow for a scalable system providing features like occupancy and daylight control, manual control, scheduling and configuration of various zones and scenes. Energy reporting and system monitoring are also possible. Specific capabilities depend on the control system being used.

Lumenwerx installs the components (sensors, nodes, power packs, etc) which may be supplied to us by a third party, or procured directly by Lumenwerx, depending on the control system manufacturer.

Lumenwerx is solely responsible for the installation of specified components; the controls manufacturer is responsible for performance of the control system.

To indicate a Lumenwerx luminaire with connected controls, identify the specific onsite control system to be integrated into the luminaires using the ordering code. Due to the diversity of components, you must contact factory to assure complete compatibility with intended control system and to fully specify the luminaire.

Complete control specifications, sensor/node/power pack layout, and narrative for the control system are required for Lumenwerx to create shop drawings and submittals.

CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content Interior brackets: Die-formed cold rolled sheet steel

Joining system: Die-cast zinc

Reflectors: Die-formed cold rolled steel, 95% reflective matte

white painted Lens: Polycarbonate

Recessed flanges: Extruded aluminum, up to 90% recycled

content

Mud flange: Extruded aluminum, up to 90% recycled content

Slip-through bracket: Die-formed galvanized sheet End plate: Die-formed cold rolled sheet steel

WEIGHT

4': 9.03 lbs - 4.1 kg 8': 18.28 lbs - 8.3 kg 12': 27.97 lbs - 12.7 kg

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) when specified with CP option.

IC rated: Suitable for direct contact with insulation

WARRANTY

Lumenwerx provides a five-year limited warranty on 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.

