

MINEAR 1/2"

DIRECT
RECESSED, SURFACE



From the Minear Collection of miniature, made-to-order luminaires, the 1/2" profile balances a compact scale with increased performance and optical flexibility. Recessed or surface mounted and available with an asymmetric option, the 1/2" model supports applications requiring subtle wall-wash effects, directional emphasis, or added visual reach—while preserving the minimalist character of the Minear family.

SENSORS
For latest
information
on sensors,
click [here](#).





Minear Brochure



IC RATED

MINEAR 1/2"

DIRECT
RECESSED, SURFACE



Project: _____
Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	OPTIC	LIGHT SOURCE	CRI
	D	BLO	SW	
MIN05R - Minear 1/2" Recessed MIN05S - Minear 1/2" Surface MIN05AR - Minear 1/2" Asymmetric Recessed MIN05AS - Minear 1/2" Asymmetric Surface	D - Direct	BLO - Balanced Lambertian Option	SW - Static white	80CRI - 80+ CRI 90CRI - 90+ CRI

LUMEN PACKAGE	COLOR TEMPERATURE	LUMINAIRE LENGTH	VOLTAGE
150LMF ¹ - Hypo output 150 lm/ft 200LMF ¹ - Low output 200 lm/ft 350LMF - Medium output 350 lm/ft ¹ Minimum fixture length is 3'.	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	#FT#IN ² - Specify nominal length (#) in 1' and/or 4" increments Standard nominal lengths: Single units: 1' to 8' Continuous runs: lengths over 8' ² A joiner bridge is visible every 8'.	120V - 120V 277V - 277V UNV - 120V-277V 347V ³ - 347V ³ Available with RD1 driver only.

DRIVER ⁴	ELECTRICAL	MOUNTING ⁸	FEED LOCATION ¹⁰	WIRE HARNESS LENGTH ¹²	FINISH ¹³
	1C				
REMOTE RD1 - 1% 0-10V RELV ⁵ - ELV 120V RTRI ⁵ - TRIAC 120V RDA ^{6,7} - DALI RLDE1 ^{6,7} - Lutron Hi-lume 1% Eco RELD1 ⁷ - eldoLED 1% ECOdrive 0-10V RELD0 ⁷ - eldoLED 0.1% SOLOdrive 0-10V ⁴ Remote driver box is provided. ⁵ Available with 120V only. ⁶ Minimum fixture length is 3'. Consult factory for details. ⁷ On-site commissioning is required.	1C - 1 circuit	RECESSED DMF ⁹ - Drywall mud flange ⁸ The mounting option selected must reflect the luminaire ID. ⁹ Fixture is installed with surface clips.	SURFACE UCC - Universal ceiling clip Minear TF - Top feed Minear Asymmetric ¹¹ TFL - Top feed left TFR - Top feed right ¹⁰ 6" quick connector feed. ¹¹ See page 3 for details.	10FT - 10' 20FT - 20' 30FT - 30' 50FT - 50' 70FT - 70' 90FT - 90' ¹² Low-voltage, plenum-rated wire harness for remote driver.	FTMW - Matte white FTMB - Matte black AL - Aluminum CF# - Custom finish, specify RAL# ¹³ See page 5 for more finish options.

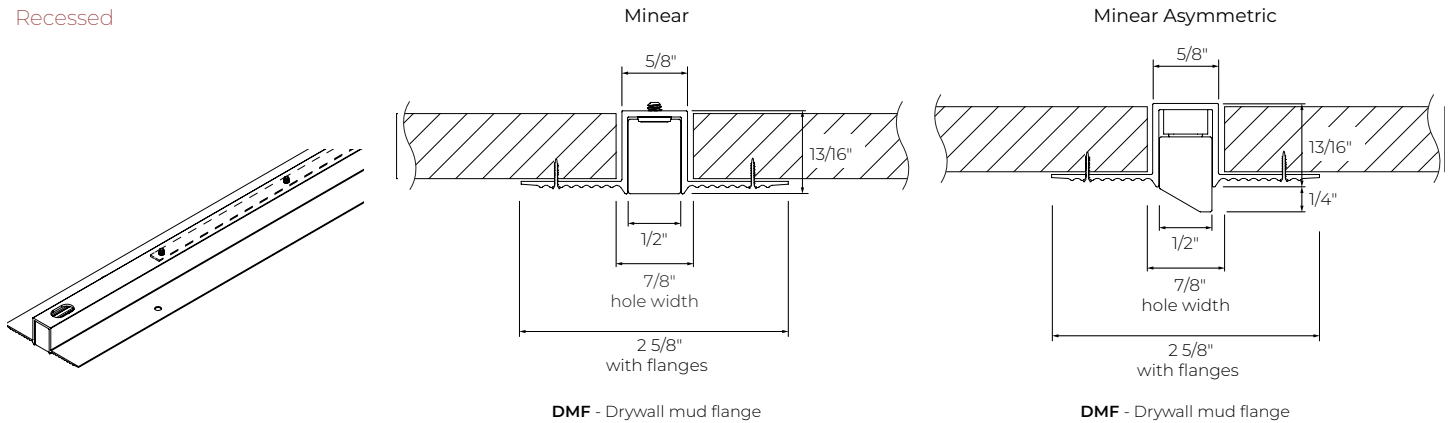
MINEAR 1/2"

DIRECT
RECESSED, SURFACE

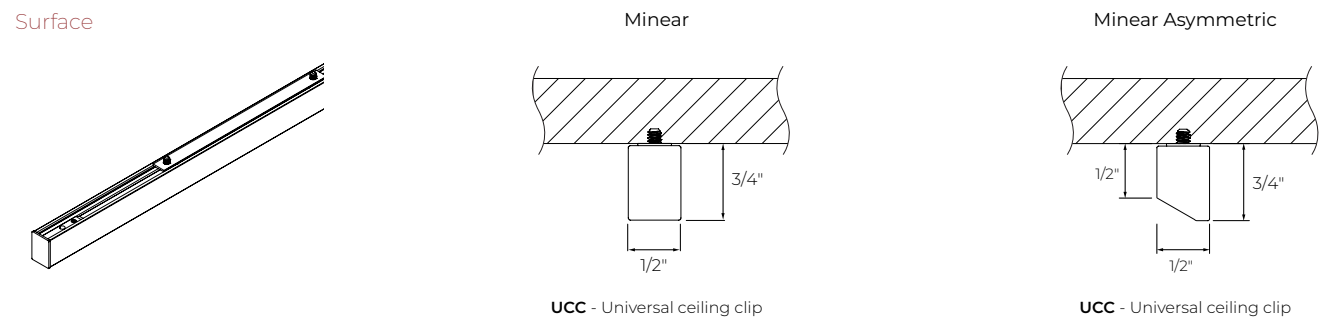


Dimensions

Recessed

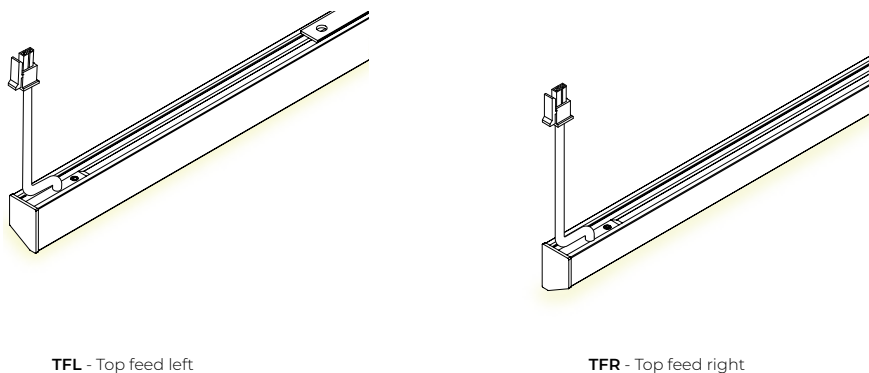


Surface



Feed Location

Minear Asymmetric



MINEAR 1/2"

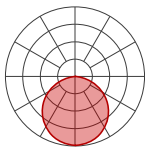


DIRECT
RECESSED, SURFACE

Photometrics

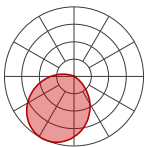
Values calculated based on a 4' fixture at 3500K.

Minear



LM/FT	W/FT	LM/W
150	1.9	78
200	2.5	79
350	4.4	80

Minear Asymmetric



LM/FT	W/FT	LM/W
150	1.7	90
200	2.2	92
350	3.8	93

MULTIPLIER TABLE

Use this table to get results for different color temperatures.

CCT	WATTS	LPW
	80+ CRI / 90+ CRI	80+ CRI / 90+ CRI
2700K	1.05	0.95
3000K	1.02	0.98
3500K	1.00	1.00
4000K	1.00	1.00
5000K	0.96	1.04



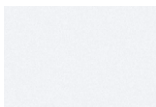
MINEAR 1/2"

DIRECT
RECESSED, SURFACE



Fixture Finishes

Standard



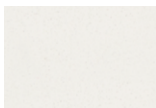
FTMW - Matte White



FTMB - Matte Black

Custom

Neutrals



CRM - Cream



GRY - Gray



STG - Steel Gray

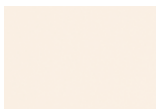


SAG - Sage Gray



BLB - Black Blue

Designer



ALM - Almond



RST - Rust Fine
Texture



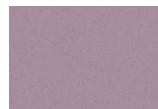
GRB - Green Beige



YLW - Yellow



SLM - Salmon Pink



VIO - Pastel Violet



RED - Red



PRR - Purple Red



SMB - Storm Blue



DPB - Deep Blue



OCB - Ocean Blue



BLG - Blue Green

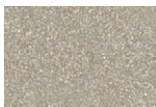


GNS - Green Smoke

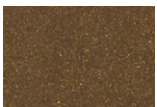


MNG - Mint Green

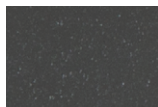
Metallics



CHP - Champagne



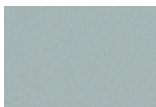
DBZ - Dark Bronze



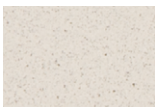
CNY - Canyon

Premium Custom

Neutrals



MOG - Moss Gray



QRZ - Quartzite
Texture



LMG - Lime Green



GLD - Gold



IRN - Iron Ore



SBP - Sandblast
Copper



SWD - Sandalwood

MINEAR 1/2"

DIRECT
RECESSED, SURFACE



Technical Specifications

OPTIC

Balanced Lambertian Optic (BLO)

The Balanced Lambertian Optic (BLO), made from high-quality satin-diffuse acrylic, uses a micro-textured surface to produce soft, uniform distribution with a glare-controlled falloff and a wide 110° beam, ensuring consistent illumination and visual comfort.

LIGHT SOURCE

Custom 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

Minear is available in standard lengths of 1' to 8'. Continuous runs are available for run lengths over 8', with a joiner bridge visible every 8'. Exact run length must be noted in the product code. The minimum length is 1', and can be ordered in 1' and/or 4" increments.

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. These must be addressed and evaluated on a case-by-case basis.

MOUNTING

Recessed: Recessed fixtures can be mounted in drywall ceilings with a mud flange option. The fixture is secured with a clip.

Surface: Surface fixtures can be mounted directly to drywall and hard surface ceilings with a clip. Long runs require a minimum distance of 2" from the vertical wall.

FINISH

Matte white, matte black or aluminum powder coating. Custom finishes are also available.

CONSTRUCTION

Housing: Extruded aluminum

Lens: Acrylic

Mounting clip: Polycarbonate

End caps: Aluminum

WEIGHT

Recessed: 0.28 lb/ft - 125 g/ft

Surface: 0.18 lb/ft - 80 g/ft

CERTIFICATION

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

IC rated: Suitable for direct contact with insulation. For Recessed mounting only.

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.