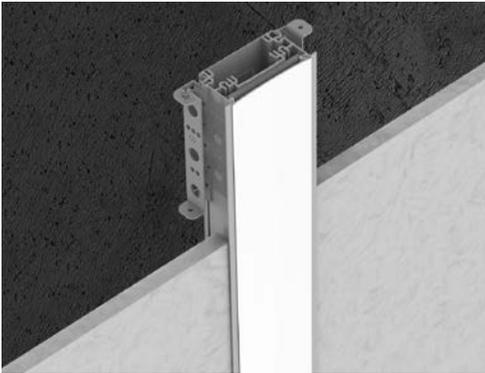


SHALO 3 LED

RECESSED VERTICAL



LUMENWERX
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DESCRIPTION

Shalo - with a depth of merely 2-1/8", provides a uniform luminous appearance without LED pixelation. The onboard driver micro-structure optics make Shalo practical, as well as attractive.

PROJECT: _____

TYPE: _____

NOTES: _____

IC RATED

ORDER GUIDE

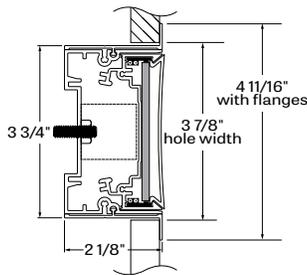
up to 117 lm/w performance

SHL3RV	SLO	LED				
LUMINAIRE ID	OPTICS	LIGHT SOURCE	CRI	LUMEN PACKAGES	COLOR TEMP.	LUMINAIRE LENGTH
SHL3RV - Shalo 3" recessed vertical	SLO - Shallow Lambertian optic	LED - High performance LED	80 - 80CRI 90 - 90CRI	500 - Min. low output 500lm/ft 750 - Med. output 750lm/ft 1000 - High output 1000lm/ft 1200 - Max. ultra high output 1200lm/ft #### - Other required lm/ft	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	Standard sections - 2', 3', 4', 5', 6', 7' & 8' For all other specify length #FT - Nominal length in feet #IN - Length in inches Continuous run - for luminaires over 8' Minimum individual section 2'

VOLTAGE	DRIVER	ELECTRICAL	MOUNTING	FINISH	OPTIONS
120 - 120V 277 - 277V UNV - 120V-277V 347¹ - 347V	D1 - 1% 0-10V DA² - DALI LTEA2W - Lutron 1% - 2 wire FP 120V LDE1² - Lutron Hi-lume 1% Eco LDE5² - Lutron 5% EcoSystem	1 - 1 circuit ##EB³ - Emergency battery ##EM - Emergency light circuit ##NL - Night light circuit ³ Minimum 4' fixture required when specified with 0-10V dimming or DALI.	DTR - Drywall trim DTL - Drywall trimless DMF - Drywall mud flange	W - Matte white CF#⁴ - Custom finish specify RAL# ⁴ Available for DTR and DTL mounting options only.	FU - Fuse FWC - Flexible whip cable (6' std) CP - Chicago Plenum CU - Custom
¹ Not available with Lutron.	² On-site commissioning is required.				

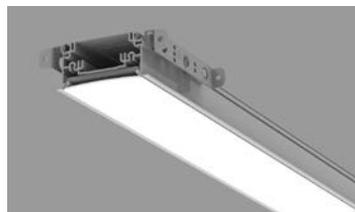
See page 2 for ordering code detailed information

CROSS SECTION



DTR - Drywall trim

OPTICS



SLO - Shallow Lambertian optic



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OPTICS

Shallow Lambertian Optic (SLO) - The Shallow Lambertian Optic consists of side-mounted LED arrays, coupled to an optical-grade acrylic light guide engraved with micro-structure optics that extract light into a lambertian distribution. An upper reflector of 98% reflective, diffuse aluminum enhances system efficiency. A thin diffuser below the light guide provides additional source obscuration.

LIGHT SOURCE - LED

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.

PERFORMANCE PER 4' AT 4000K

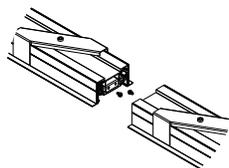
LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	17	2000	117
medium output	4000K	26.5	3000	114
high output	4000K	35.5	4000	112
ultra high output	4000K	43	4800	111

LUMINAIRE LENGTH

Shalo is made up of standard 2, 3, 4, 5, 6, 7 and 8 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 feet.

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.

Joining system



trim

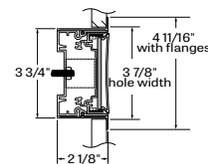
ELECTRICAL

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), Lutron 5-Series (5% Ecosystem), and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

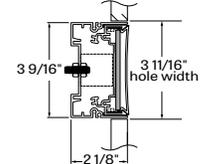
EMERGENCY

Factory installed long life high temperature recyclable LI-Ion battery pack with test switch and charge indicator; minimum of 90 minutes operation, up to 1000 lumens per 4ft (25°C) emergency lighting output. Recharge time of 24 hours.

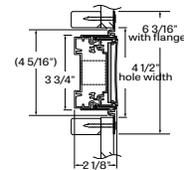
MOUNTING OPTIONS



DTR - drywall trim



DTL - drywall trimless



DMF - drywall mud-flange

FINISH

Interior - 95% reflective matte powder coated white paint

Exterior - matte white.

Custom finishes are also available (DTR and DTL only)

CONSTRUCTION

Housing - Aluminum extrusion 0.060" thickness.

Cartridge - Extruded aluminum (0.060" nominal) up to 90% recycled content (painted 95% reflective matte powder coated white paint)

Interior brackets - Die formed cold rolled sheet steel 18 gauge thick

Joining system - Die formed cold rolled sheet steel 16 gauge thick

Reflectors - Cold rolled steel 0.024" thick precisely die formed, 97% reflective matte white painted

Slip-through bracket - Die formed galvanized sheet 18 gauge

End plate - Die formed cold rolled sheet steel 18 gauge thick

WEIGHT

Shalo 4ft - 11lbs - 5kg

Shalo 8ft - 22lbs - 10kg

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

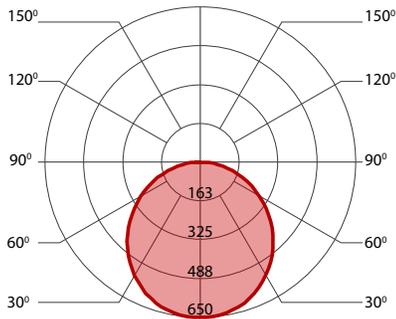
Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated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

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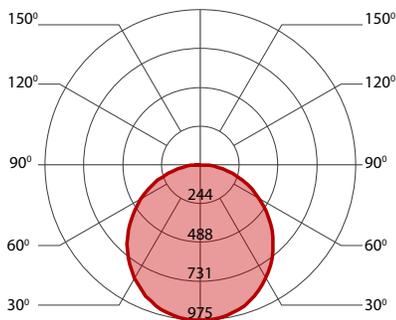
500 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	3000K	18	2000	111
low output	3500K	17.5	2000	113
low output	4000K	17	2000	117

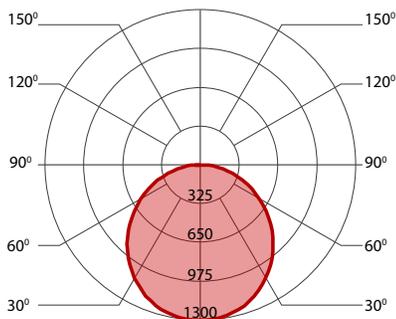
750 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	3000K	27.5	3000	109
medium output	3500K	27	3000	111
medium output	4000K	26.5	3000	114

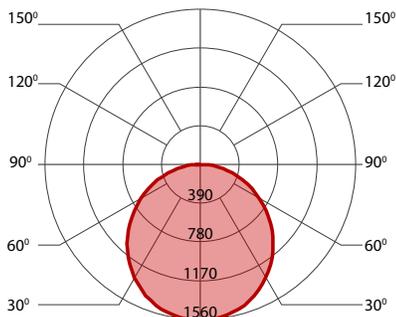
1000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	3000K	37.5	4000	107
high output	3500K	36.5	4000	109
high output	4000K	35.5	4000	112

1200 LUMEN AT 80CRI - ULTRA HIGH OUTPUT



PERFORMANCE PER 4'

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
ultra high output	3000K	45.5	4800	105
ultra high output	3500K	45	4800	107
ultra high output	4000K	43	4800	111