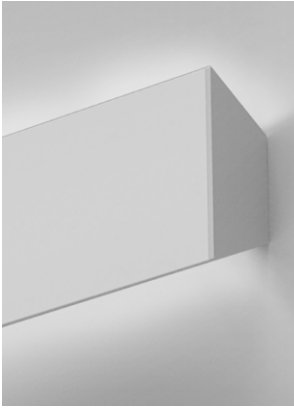


WALO LED

WALL DIRECT/INDIRECT



Wall horizontal



Wall vertical

DESCRIPTION

Walo is a linear luminaire that casts light to either side, reflecting off of the adjacent surface. The resulting parallel bands of brightness – whether up-and-down or side-to-side – define and delineate walls and pathways.

A full suite of on-board driver, battery pack and electrical options makes WALO a practical approach for lighting circulation areas.

WALO can be used individually or in patterns, installing vertically or horizontally. Lighted joiner elements enable WALO to turn inside and outside corners.

PROJECT: _____

TYPE: _____

NOTES: _____



EXTRA SHALLOW compliant



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



ORDER GUIDE

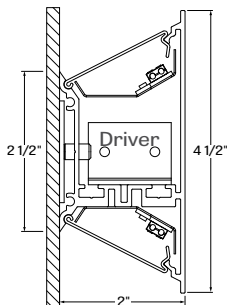
WALWDI	HLO	LED			
LUMINAIRE ID	OPTIC	LIGHT SOURCE	CRI	DIR/IND LUMEN PACKAGES	COLOR TEMP.
WALWDI - walo wall direct/indirect	HLO - High-Efficiency Lambertian Optic	LED - high performance LED	80 - 80CRI 90 - 90CRI	500 - min. low output 500lm/ft 700 - medium output 700lm/ft 1000 - max. high output 1000lm/ft #### - other required lm/ft	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K

LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL
Standard sections - 3', 4', 5', 8' & 12' For all other specify length #FT - nominal length in feet #IN - length in inches Continuous Run - for luminaires over 12' Minimum Individual section 3'	120 - 120V 277 - 277V UNV - 120V-277V 347 ¹ - 347V ¹ Only available with D1 driver.	D1 - 1% 0-10V DA ² - DALI LDE1 ² - Lutron Hi-lume 1% Eco ² On-site commissioning is required.	1 - 1 circuit + #EB - emergency battery (min 4' fixture, except Lutron) + #EM - emergency light circuit + #NL - night light circuit + #GTD - generator transfer device

DMB	MOUNTING	FINISH	CONTROL ³	OPTION
DMB - Drywall mounting bracket	W - Matte white AL - Aluminum CF# - Custom finish specify RAL#	STANDALONE CONTROLS ^{4,5} Specify the quantity (#) of sensors per fixture. #OSS50 ⁶ - Onboard stairwell occupancy with 50% bi-level dimming NA - None	CONNECTED CONTROLS ⁷	FU120 - Fuse 120V FU277 - Fuse 277V CU - Custom
		³ Standalone and connected control options cannot be combined. ⁴ Available with D1 driver and 1 circuit options only. ⁵ Minimum 4' per zone. Provide control zone length.	⁶ Minimum 4' fixture. ⁷ Consult factory for connected controls. Compatible systems include Lutron, Encelium, Cooper, Acuity, Casambi, and Legrand.	

See page 2 for ordering code detailed information

CROSS SECTION



WALWDI - wall

OPTICS



HLO - High-efficiency Lambertian Optic



OPTIC

HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - Matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE - LED

Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. 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 operate at reduced drive current to optimize efficacy and lumen maintenance.

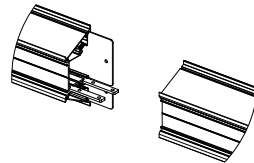
All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4' AT 4000K

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	4000K	15.5	2000	127
medium output	4000K	21.5	2800	129
high output	4000K	31	4000	130

LUMINAIRE LENGTH

Walo is made up of standard 3, 4, 5, 8 and 12 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 foot, and continuous run lengths can be ordered in 2 inch increments. 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 Walo direct/indirect

ELECTRICAL

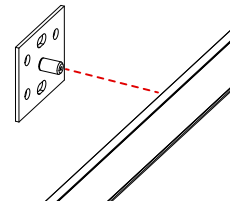
Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other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

EMERGENCY

Factory installed long life high temperature recyclable Ni-Cad 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

Fixtures may be horizontally or vertically mounted to the wall using a bracket. For long runs, a minimum of 6" from adjacent walls is required.



Wall bracket

FINISH

Interior - 95%, reflective matte powder coated white paint
Exterior - matte white or aluminum powder coating. Custom finishes are also available.

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.

One type is available:

OSS: An integral stairwell occupancy sensor uses ultrasonic sensing technology to turn light on when movement is detected. The sensor, located in the middle of the fixture, transmits sound waves in the stairwell. When motion is detected in the space, the luminaire turns on to full brightness. When the space is unoccupied, light levels are dimmed to 50%. Please consult factory for other sensor locations on the luminaire, as well as for other minimum light level options.

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, Enceium, 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. Consult factory for integrating connected controls in a wall fixture.

CONSTRUCTION

Housing - Extruded Aluminum (0.07" nominal) up to 90% Recycled Content

Interior brackets - Die formed cold rolled sheet steel 16 gauge thick

Joining system - Cold rolled steel

Reflectors - Cold rolled steel 0.024" thick precisely die formed, 95% reflective matte white painted

End caps - Aluminum plate 0.125" thickness

WEIGHT

WALO 4ft - 7.63lbs - 3.46kg

WALO 8ft - 13.78lbs - 6.25kg

WALO 12ft - 21lbs - 9.53kg

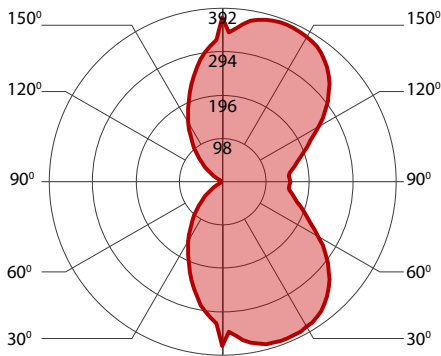
CERTIFICATION

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.

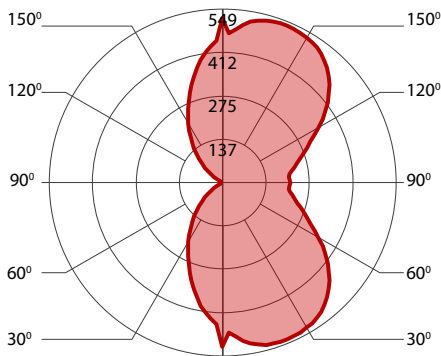
500 LUMEN AT 80CRI - LOW OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
low output	2700K	17	2000	117
low output	3000K	16.5	2000	121
low output	3500K	16.5	2000	123
low output	4000K	15.5	2000	127

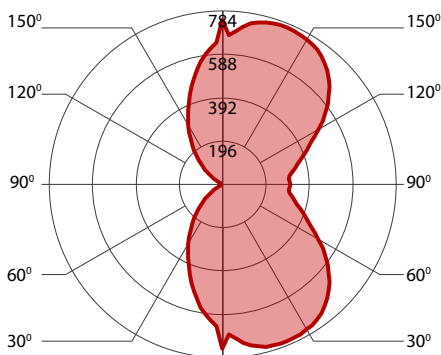
700 LUMEN AT 80CRI - MEDIUM OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
medium output	2700K	23.5	2800	119
medium output	3000K	23	2800	123
medium output	3500K	22.5	2800	125
medium output	4000K	21.5	2800	129

1000 LUMEN AT 80CRI - HIGH OUTPUT



PERFORMANCE

LED output	Color Temp	Watts	Nominal Delivered Lumens	Efficacy LPW
high output	2700K	33.5	4000	120
high output	3000K	32.5	4000	124
high output	3500K	31.5	4000	126
high output	4000K	31	4000	130