Lumination IND628 LWS Series ProLine Switchable Wrap Mount User Manual

Contents

Lumination IND628 LWS Series ProLine Switchable Wrap Mount

Product Information

The Switchable Wrap Surface Mount is a mount luminaire designed for commercial or industrial applications. It is a highly flexible product that offers switchable lumens and CCT, equivalent to 9 different SKU's. With a minimum five year design life, the LWS comes with a non-glare diffuser, making it an ideal choice for those with first cost needs. It is available in Narrow and Wide configurations, making it suitable for indoor general lighting on both new construction and retrofit solutions.

Specifications

- **Type:** Mount Luminaire
- **Input Voltage:** 120-277V
- **Input Frequency:** 50/60Hz
- **Standard Dimming Control:** 0-10V, Dimming > 0.90
- Power Factor (PF)*:
- Total Harmonic Distortion (THD)*:

Construction

The Switchable Wrap Surface Mount has a die-formed heavy-gauge steel housing with smooth hemmed sides for safe handling. The lens is a precision formed optical assembly comprised of high specularity reflectors and a transmissive lens. It has zero weight.

Product Usage Instructions

To use the Switchable Wrap Surface Mount, follow the below instructions:

1. Select the desired configuration – Narrow or Wide.
2. Select the desired lumens and CCT using the switchable feature.
3. Install the product using the field installable accessory kits. These kits require no guessing what the product needs of your next job will be.
4. Connect the product to an input voltage of 120-277V and input frequency of 50/60Hz.
5. Use the standard dimming control of 0-10V, Dimming > 0.90 to control the lighting.

The ProLine® LWS series is an LED contractor grade wrap surface mount luminaire ideal for commercial or industrial applications. Designed for maximum flexibility with switchable lumens and CCT, one product can offer

the equivalent of 9 different SKU's. Field installable accessory kits require no "guessing" what the product needs of your next job will be. LWS has a minimum five year design life with a non-glare diffuser for those with first cost needs. Available in Narrow and Wide configurations, LWS is suitable for indoor general lighting on both new construction and retrofit solutions.

CONSTRUCTION

Housing:	Die-formed heavy-gauge steel. With smooth hemmed sides for safe handling.
Lens:	Precision formed optical assembly comprised of high specularity reflectors, and a transmissive lens.
Weights:	<10 lbs

OPTICAL SYSTEM

Lumens:	Up to 5130 lumens
Wattage:	Up to 38W
Efficacy:	Up to 136 LPW
CCT:	3500K/4000K/5000K (Field Switchable)
CRI:	80+, R9>0

ELECTRICAL

Input Voltage:	120-277V
Input Frequency:	50/60Hz
Standard Dimming Control:	0-10V, Dimming
Power Factor (PF)*:	> 0.90
Total Harmonic Distortion (THD)*:	<20%

CONTROLS

Dimming: Standard – 0-10V, Dimming

AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
OPERATING TEMPERATURE	0°C TO +25° C

MOUNTING

- Surface Mount w/ pre-drilled mounting holes
- Drivers and internal components accessed via bottom of luminaire.
- Ideal for industrial and commercial applications as well as stairwells, offices, and storage locations.

DESIGN LIFE & WARRANTY

- Damp Location rated
- UL/cUL Certified
- RoHS compliant
- ANSI C82.77 Compliant
- Current's Limited 5-year Warranty:
  Please refer to document IND599 for more information.

Ordering Information

LWS		A	0		MM	8XX	VQ	SM	WHTE	
FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	DISTRIBUTION	CRI/CCT	CONTROLS	MOUNTING	FINISH	OPTIONS
LWS = ProLine® Wrap Mount Switchable	**2N** = 2' Narrow (8") **2W** = 2' Wide (13") **4N** = 4' Narrow (8") **4W** = 4' Wide (13")	**A** = 1st Generation	**0** = 120-277V	**3X** = 2' Nominal Lumen Level **4X** = 4' Nominal Lumen Level (middle level is the default for both lengths)	**MM** = Medium Lambertain Frosted Diffuser	**8** = 80 CRI 3500/4000/5000K Switchable (4000K is default)	**VQ** = 0-10V (10%) Dimming	**SM** = Surface Mount	**WHTE** = White	**(blank)** = None

| EXAMPLE CONFIGURATIONS	DESCRIPTION	LUMINAIRE LUMENS (@4000K & MIDDLE LUMENS)	LUMINAIRE TOTAL SYSTEM WATTS	EFFICACY (LPW)
LWS2NA03XMM8XXVQSMWHTE	**2N** = 2' Narrow (8")	2360/3740/4420	20/32/38	118/117/116
LWS2WA03XMM8XXVQSMWHTE	**2W** = 2' Wide (13")	2670/4230/5050	20/32/38	134/132/133
LWS4NA04XMM8XXVQSMWHTE	**4N** = 4' Narrow (8")	2430/3850/4540	20/32/38	122/120/119
LWS4WA04XMM8XXVQSMWHTE	**4W** = 4' Wide (13")	2710/4300/5130	20/32/38	136/134/135

DETAILS AT ALL SWITCH SETTINGS				
FIXTURE TYPE	**WATTAGE**	**3500K LUMENS/LPW**	**4000K LUMENS/LPW**	**5000K LUMENS/LPW**
LWS 2FT Narrow	38	4240/112	4420/116	4420/116
	32	3590/112	3740/117	3740/117
	20	2260/113	2360/118	2360/118
LWS 2FT Wide	38	4850/128	5050/133	5050/133
	32	4060/127	4230/132	4230/132
	20	2560/128	2670/134	2670/134
LWS 4FT Narrow	38	4360/115	4540/119	4540/119
	32	3690/115	3850/120	3850/120
	20	2330/117	2430/122	2430/122
LWS 4FT Wide	38	4920/129	5130/135	5130/135
	32	4130/129	4300/134	4300/134
	20	2600/130	2710/136	2710/136

DIMENSIONS
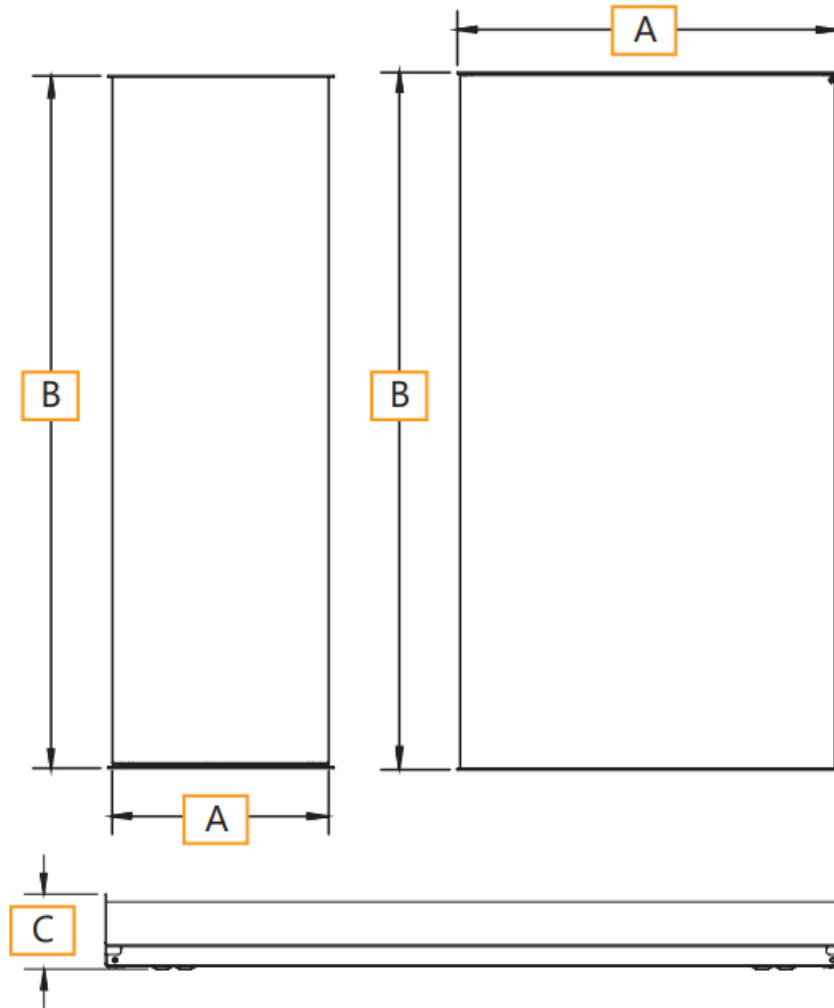
DIMENSIONS

DIMENSIONS	
2N = 2' Narrow	A = 8 in (203mm) B = 24 in (609.6mm) C = 2.5 in (63.5mm)
2W = 2' Wide	A = 13 in (330mm) B = 24 in (609.6mm) C = 2.5 in (63.5mm)
4N = 4' Narrow	A = 8 in (203mm) B = 48 in (1219.2mm) C = 2.5 in (63.5mm)
4W = 4' Wide	A = 13 in (330mm) B = 48 in (1219.2mm) C = 2.5 in (63.5mm)

PHOTOMETRICS

High Power Wide Distribution

- 4000K
- LWS4WA04XMM8XXVQSMWHTE

ZONAL LUMEN SUMMARY	
Zone	Lumens
0-10	178
10-20	504
20-30	743
30-40	858
40-50	845
50-60	730
60-70	551
70-80	348
80-90	153
90-100	60
100-110	50
110-120	40
120-130	29
130-140	20
140-150	12
150-160	6
160-170	2
170-180	1

ZONAL LUMEN SUMMARY		
Zone	Lumens	% of Fixture
0-20	682	13.3
0-30	1425	27.8
0-40	2283	44.5
0-60	3858	75.2
0-80	4757	92.7
0-90	4910	95.7
10-90	4732	92.2
20-40	1601	31.2
20-50	2446	47.7
40-70	2126	41.4
60-80	899	17.5
70-80	348	6.8
80-90	153	3
90-110	111	2.2
90-120	150	2.9
90-130	179	3.5
90-150	210	4.1
90-180	220	4.3
110-180	109	2.1
0-180	5130	100

DAINTREE CONTROLS

Daintree® Wireless Controls:
There is no one size fits all for wireless controls. Some networks want simple solutions that reduce energy consumption and meet code compliance while others are more ambitious, looking to capitalize on the LED and controls savings to fund a scalable, enterprise-grade, internet of things solution. The advantage of the Daintree® Wireless platform is it's ability to integrate into indoor, outdoor and high bay environments. The Daintree® Wireless Controls provide the infrastructure to future proof your buildings, easily upgrade to Networked solutions and provide the ability to integrate into IoT solutions that are right for your business.

- **Daintree® One:** Standalone Wireless Controls
- **Daintree® EZ Connect:** Room-Based Wireless Lighting Controls
- **Daintree® Networked:** Networked Lighting Controls for Smart Building & IoT Enablement.

Daintree® Wireless Controls are already integrated in your favorite Current LED fixtures. Integrating the controls

into the fixture cuts labor costs considerably since the sensors are already embedded in the lighting fixtures. There's no need to get above the ceiling plenum and install additional devices. Visit our website https://products.gecurrent.com for a complete list of LED Fixtures.

- **CUSTOMER NAME**——————
- Project Name——————————
- Date——————————————
- Catalog Number—————————
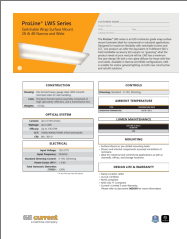
For Product or Technical Questions:
Email: lightingprodinfo@gecurrent.com
Phone: +1 888 694 3533, option 2

Documents / Resources

Lumination IND628 LWS Series ProLine Switchable Wrap Mount [pdf] User Manual
IND628 LWS Series ProLine Switchable Wrap Mount, IND628 LWS Series, ProLine Switchable Wrap Mount, Wrap Mount

References

- **Commercial Lighting and Lighting Controls | Current - GLI Brands**
- **Commercial Lighting and Lighting Controls | Current - GLI Brands**

Manuals+,