

DESCRIPTION

Our updated WNLED series is a versatile utility based, traditionally styled LED wraparound series which can be used in a broad range of commercial, schools, institutional, retail and residential applications. This high quality luminaire series utilizes the latest solid state LED lighting and advanced electronic driver technology which provides optimal lighting performance and maximizing energy savings. WNLED is designed to provide long service life eliminating re-lamping issues and minimizing maintenance common with traditional fluorescent.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

Housing consists of die formed cold rolled steel. Ends formed with the housing for strength and provisions for continuous row aligners. Steel end plates with 7/8" KO and light-seal embossment. Driver cover can be removed by taking out four pan screws.

Controls

WNLED is Powered by Fifth Light, with standard a 0-10V continuous dimming driver that works with any 0-10V control/ dimmer. Combine with energy saving products like occupancy sensors, daylighting controls and lighting relay panels to maximize energy savings. Dimming range is 10% to 100%; varies by control device.

Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K, 4000K and 5000K with a typical CRI 85. Projected life is 60,000 hours at 70% lumen output. UL listed. Electronic drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Finish

Multistage iron phosphate pretreatment ensures maximum bonding and rust inhibitor. High reflective paint after fabrication, baked white enamel finish is standard.

Channel/Wireway Cover

Die formed heavy gauge steel. Tight fit for ease of maintenance.

Shielding

Acrylic, high performance, frost blend. Sides have inside linear prisms and bottom has pyramidal prisms for low brightness control.

Installation

Fixture may be surface, pendant, or stem mounted. See accessories below for ordering information.

Compliance

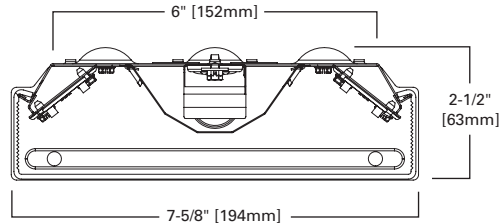
Modules are UL recognized components and indoor luminaires are cULus listed for 25°C ambient environments, damp location listed, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details.



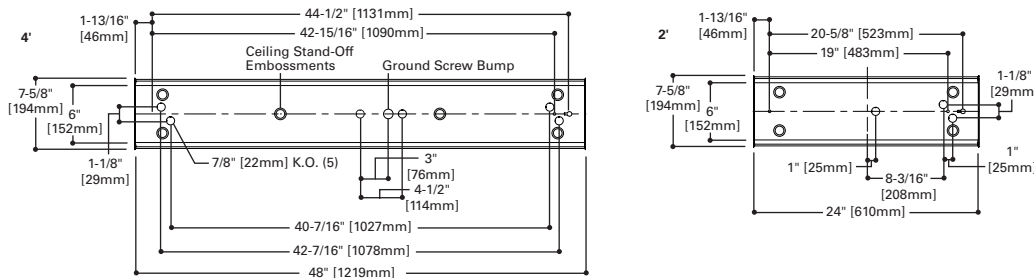
WNLED LED

Utility LED Wraparound

powered by
fifthlight
technology



MOUNTING DATA



ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Stock*/MTO**	Lumen Type	Length	Catalog Number	Nomial Lumens	Wattage	lm/W
MTO	Standard	2 ft.	2WNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2786	28	101
MTO	Standard	4 ft.	4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3298	28	118
Stock	Standard	4 ft.	4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4062	36	113
Stock	Standard	4 ft.	4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U	4966	47	107

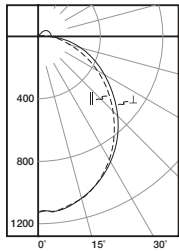
* Stocked in 3500K and 4000K

** Also available in 3000k, 5000K

WATTAGE

Length	Lumens	Wattage
2 ft.	2800	28
4 ft.	3200	28
4 ft.	4000	36
4 ft.	5000	47

PHOTOMETRICS



4WNLED-LD4-32SL-F-UNV-L835-CD1-U

Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.2 x mounting height
 Lumens: 3298
 Input Watts: 28.0W
 Efficacy: 117.8 lm/W
 Test Report: 4WNLED-LD4-32SL-F-UNV-L835-CD1-U.IES

Candlepower

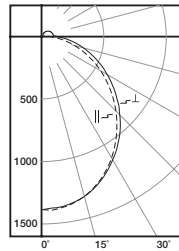
Angle	Along II	45°	Across ⊥
0	1124	1124	1124
5	1124	1120	1116
10	1103	1102	1100
15	1069	1071	1071
20	1023	1029	1031
25	966	975	978
30	899	913	918
35	826	845	853
40	747	771	781
45	669	695	707
50	586	615	631
55	504	535	554
60	422	455	476
65	342	377	400
70	265	302	327
75	190	231	257
80	121	164	190
85	56	100	125
90	0	44	70

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance 20%																	
	80%			70%			50%			30%			10%			0%		
	70	50	30	70	50	30	50	30	10	50	30	10	50	30	10	0		
0	118	118	118	114	114	114	108	108	108	102	102	102	97	97	97	94		
1	107	102	97	93	103	99	95	91	94	90	87	89	86	84	84	82	80	78
2	97	89	82	76	94	86	80	74	82	76	72	78	73	69	74	70	67	64
3	88	78	69	63	85	76	68	62	72	65	60	68	63	58	65	60	57	54
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	58	53	49	46
5	74	62	52	46	72	60	52	45	57	50	44	55	48	43	52	47	42	40
6	69	55	46	40	66	54	46	40	52	44	39	50	43	38	47	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	38	33	31
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	29	24	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	855	25.9
0-40	1381	41.9
0-60	2390	72.5
0-90	3109	94.3
0-180	3298	100.0



4WNLED-LD4-40SL-F-UNV-L835-CD1-U

Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.2 x mounting height
 Lumens: 4062
 Input Watts: 36.0W
 Efficacy: 112.8 lm/W
 Test Report: 4WNLED-LD4-40SL-F-UNV-L835-CD1-U.IES

Candlepower

Angle	Along II	45°	Across ⊥
0	1386	1386	1386
5	1385	1380	1375
10	1360	1357	1354
15	1318	1320	1320
20	1261	1266	1268
25	1190	1201	1203
30	1109	1125	1128
35	1018	1042	1048
40	922	951	964
45	823	857	868
50	721	759	773
55	620	660	678
60	521	561	584
65	421	464	492
70	326	372	403
75	234	285	317
80	148	201	233
85	70	123	154
90	1	57	89

Coefficients of Utilization

rc rw RCR	Effective floor cavity reflectance 20%																	
	80%			70%			50%			30%			10%			0%		
	70	50	30	70	50	30	50	30	10	50	30	10	50	30	10	0		
0	118	118	118	114	114	114	108	108	108	102	102	102	97	97	97	94		
1	107	102	97	93	103	99	95	91	94	90	87	89	86	84	84	82	80	78
2	97	89	82	76	94	86	80	74	82	76	72	78	73	69	74	70	67	64
3	88	78	69	63	85	76	68	62	72	65	60	68	63	58	65	61	57	54
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	58	53	49	46
5	74	62	52	46	72	60	52	45	57	50	44	55	48	43	52	47	42	40
6	69	55	46	40	66	54	46	40	52	44	39	50	43	38	47	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	38	33	31
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	29	24	23

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	1054	25.9
0-40	1702	41.9
0-60	2945	72.5
0-90	3832	94.3
0-180	4062	100.0

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (12,000 hours)	Theoretical L70 (Hours)
25°C	80.7%	85,000

Max Ambient temp in compliance with UL: 40°C

ORDERING INFORMATION

SAMPLE NUMBER: 4WNLED-LD4-40SL-F-UNV-L840-CD1-U

Length 2=2 ft. 4=4 ft.	Lamp Type LD4=LED 4.0	Voltage 347=347V ⁽²⁾ 480=480V ⁽²⁾ UNV=Universal Voltage 120-277	Driver Type CD=0-10V Dimming Driver (10% - 100% Dimming)	Number of Drivers 1=1 Driver	Packaging U=Unit Pack
Series ⁽³⁾ WNLED=Utility LED Wraparound	LED Lumens Output 28SL=2800 ⁽¹⁾ 32SL=3200 40SL=4000 50SL=5000	CCT L830=3000K L835=3500K L840=4000K L850=5000K			
	Lens F=Frost Acrylic (standard)				

ACCESSORIES

SCF=Fixed Stem Set (Specify Length)
 SCS=Swivel Stem Set (Specify Length)
 SCA=Adjustable 48" Stem Set
 A1B/Spacer-U=Spacer 1-1/2" to 2-1/2" from ceiling
 (Use 2 per fixture)

NOTES: ⁽¹⁾ 2 ft. model, ⁽²⁾ 4 ft. model only, ⁽³⁾ DesignLights Consortium™ Qualified and classified for DLC Standard, refer to www.designlights.org for details. Specifications & dimensions subject to change without notice. Consult your Eaton Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
2WNLED	5 lbs.
4WNLED	9 lbs.