

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.

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 without tools.

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 min. 80 CRI. Projected life at 70% lumen maintenance is nearly 150,000 hours with TM21 rating up to L88 > 60,000 hours. Electronic

drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Emergency Battery Pack Option

Optional 120V-277V integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. The patented EZ Key prevents accidental discharge of the battery during construction.

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.

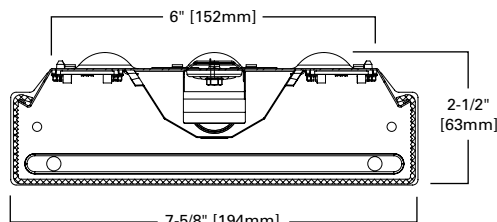
Compliance

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. Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements. Can be used for State of California Title 24 high efficacy luminaire.

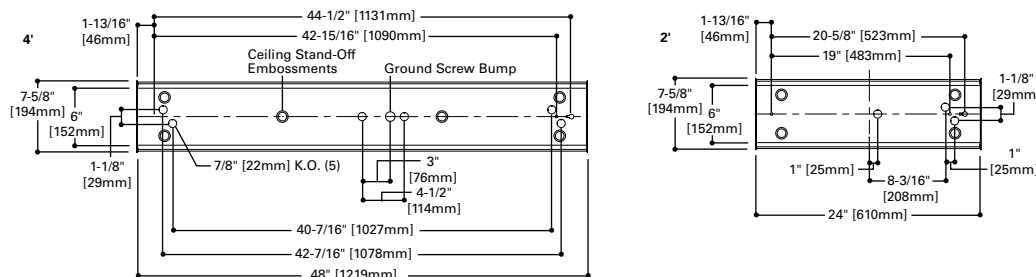


WNLED LED

Utility LED Wraparound



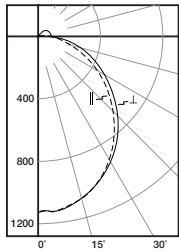
MOUNTING DATA



ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Lumen Type	Length	Catalog Number	Nominal 3500K Lumens	Wattage	lm/W
Standard	2 ft.	2WNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2786	27.5	101
Standard	4 ft.	4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3298	28.0	118
Standard	4 ft.	4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4062	36.0	113
Standard	4 ft.	4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U	4966	46.6	107

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

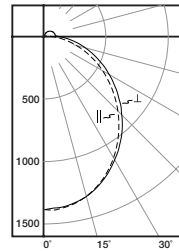
Input Watts: 28.0W

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

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

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

Coefficients of Utilization

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

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

CCT TABLE

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1.00
3000K	0.98

ORDERING INFORMATION

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

Length 2=2 ft. 4=4 ft.	Lamp Type LD4=LED	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	Options <u>Emergency</u> ⁽⁷⁾ EL7W=7-watt, 120V-277V emergency battery pack installed ^{(4), (6)} EL14W=14-watt 120V-277V emergency battery pack installed ^{(4), (6)} CCT L830=3000K L835=3500K L840=4000K L850=5000K	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) WN22AU=2' Replacement Lens WN24AU=4' Replacement Lens		
	Lens F=Frost Acrylic (standard)				

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. ⁽⁴⁾ With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. ⁽⁵⁾ 5LTD DALI driver available for all lumen unit only. ⁽⁶⁾ Emergency options not available for 2 ft. versions. Requires larger cover which changes the appearance. ⁽⁷⁾ Emergency options use taller ballast cover that alters appearance.

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.

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.

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 without tools.

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 min. 80 CRI. Projected life at 70% lumen maintenance is nearly 150,000 hours with TM21 rating up to L88 > 60,000 hours. Electronic

drivers are available for 120-277V applications. A 0-10V dimming driver is standard.

Emergency Battery Pack Option

Optional 120V-277V integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. The patented EZ Key prevents accidental discharge of the battery during construction.

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

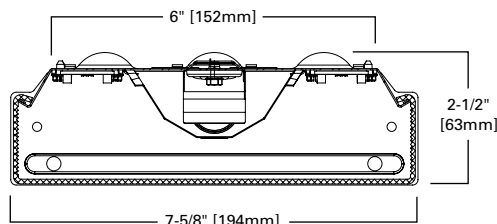
Indoor luminaires are cULus listed for 25°C ambient environments, damp location listed, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details. Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements. Can be used for State of California Title 24 high efficacy luminaire.



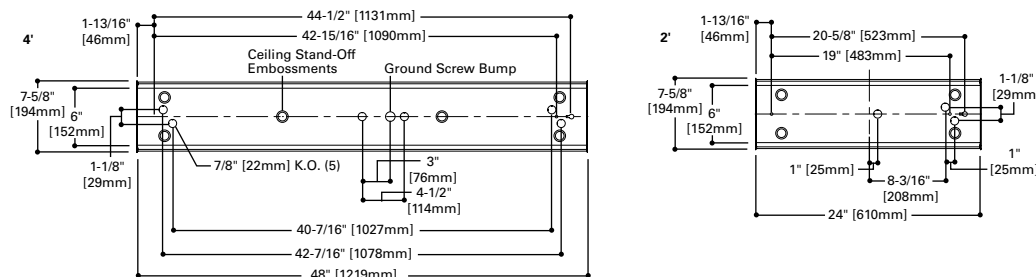
WNLED LED

Utility LED Wraparound

powered by
fifthlight
technology



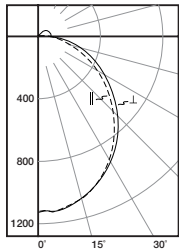
MOUNTING DATA



ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Lumen Type	Length	Catalog Number	Nominal 3500K Lumens	Wattage	lm/W
Standard	2 ft.	2WNLED-LD4-28SL-F-UNV-L8XX-CD1-U	2786	27.5	101
Standard	4 ft.	4WNLED-LD4-32SL-F-UNV-L8XX-CD1-U	3298	28.0	118
Standard	4 ft.	4WNLED-LD4-40SL-F-UNV-L8XX-CD1-U	4062	36.0	113
Standard	4 ft.	4WNLED-LD4-50SL-F-UNV-L8XX-CD1-U	4966	46.6	107

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

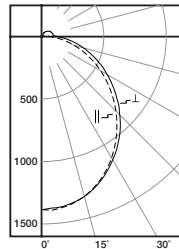
Input Watts: 28.0W

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

**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

Effective floor cavity reflectance 20%																					
rc	80%				70%				50%				30%				10%				0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	118	118	118	118	114	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

Coefficients of Utilization

Effective floor cavity reflectance 20%																					
rc	80%				70%				50%				30%				10%				0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	118	118	118	118	114	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

CCT TABLE

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1.00
3000K	0.98

ORDERING INFORMATION

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

Length 2=2 ft. 4=4 ft.	Lamp Type LD4=LED	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	Options <u>Emergency</u> ⁽⁷⁾ EL7W=7-watt, 120V-277V emergency battery pack installed ^{(4), (6)} EL14W=14-watt 120V-277V emergency battery pack installed ^{(4), (6)} CCT L830=3000K L835=3500K L840=4000K L850=5000K	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) WN22AU=2' Replacement Lens WN24AU=4' Replacement Lens		
	Lens F=Frost Acrylic (standard)				

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. ⁽⁴⁾ With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. ⁽⁵⁾ 5LTD DALI driver available for all lumen unit only. ⁽⁶⁾ Emergency options not available for 2 ft. versions. Requires larger cover which changes the appearance. ⁽⁷⁾ Emergency options use taller ballast cover that alters appearance.

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.