

PHILIPS LIGHTOLIER

Downlighting

Uniframe LED 5" New Construction

Non-IC Frame-In Kit



Uniframe



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____








Uniframe LED provides all the great tool-free installation features of the original Uniframe product while providing 900 & 1500 lumens of light using 75% less energy than comparable incandescent lamps.

Ordering guide

example: 1001LED09N35Z10U

Series	Lumens	Installation	CCT	Dimming	Voltage	Options
1001LED		N				
1001LED Lytecaster Uniframe LED 5", Non-IC frame-in kit	09 900lm (nominal)	N New construction	27 2700K 35 3500K	Z10 0-10V	U Universal	— None (leave blank) EM Emergency
	15 1500lm (nominal)	N New construction	27 2700K 35 3500K	D 0-10V	1 120V 2 277V	— None (leave blank) EM Emergency

Compatible trims

Cone	Satin cone	Baffle	Basic white	Pinhole	Enclosed diffusers	Wall washers
						
1012 1013 1013BK 1013CD 1013WH	1008 1010	1005* 1005WH 1076* 1076WH	1071	1011*	1024* 1078* 1090	1035* 1035WH* 1085*
Natural Metal flanges						
1012NM 1013NM 1013BKNM 1013CDNM	1008NM 1010NM	1005NM* 1005BNM				

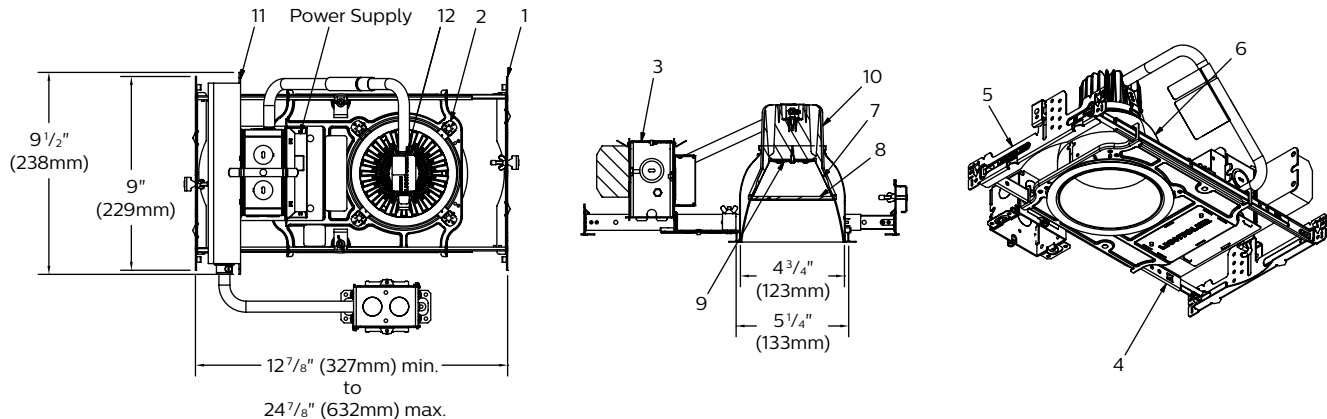
* Trims marked are not ENERGY STAR® certified.



1001LED Uniframe LED 5"

Downlight, New construction, Non-IC Frame-In Kit

Dimensions



Features

- Mounting frame:** .036" (#20ga.) Galvanized Steel. Accommodates all ceilings up to 1-1/2" thick.
- Trim clips:** "Push in/twist out" stainless steel clips hold reflector flush to ceiling.
- Junction box:** 2" x 4" x 3-1/2" (22cu. in.) .032" (#22ga.) galvanized steel. UL Listed for maximum of 8 (#12ga.) through branch circuit conductors.
- Uniframe mounting system – grid ceiling:** Tool free mounting in grid ceilings. .036" (20ga.) Galvanized Steel interlocking slide bars adjust to 24-1/8" long accommodating 24" O.C. Ceiling Grid. Adjustable speed clamps for positive attachment to grid ceiling systems.
- Uniframe mounting system – wood joist ceiling:** Integral nailing tabs, alignment guides, fastener holes and bendable strapping guides for wood joist installation. Galvanized Steel interlocking slide bars adjust from 12-15/16" to 24-1/8" long to accommodate 16" and 24" O.C. joist spacing, with or without strapping.
- Reflector:** See individual specification sheets for information.
- Optical mixing chamber:** Designed to provide a spacing ratio of .9 (60° beam) when installed in standard Lytecaster trims. Optic design provides less glare than standard PAR lamps.
- Lens:** Solite Glass lens has high transmission value with slight texturing to provide a smooth consistent beam distribution.
- LED board:** Utilizes Philips Lumileds LED's.

- Thermal management:** Proprietary heat sink was developed using the latest in Computational Fluid Dynamics Software. This optimized thermal design provides an expected lifetime of 50,000 hours. Cast aluminum heat sink is coated with a RoHS compliant coating (trivalent chromate) to resist corrosion in damp/wet environments.
- Top heat sink cover:** Tool free snap on enclosure bracket. 22-ga component houses the driver secondary tool free wire connector.
- Emergency battery (optional):** 90 minute battery backup, complete with charge indicator light and integrated test switch. Average lumen output at the end of 90 min operation 150lm for 1013 and 120lm for 1005. All other color variation will be between these values.

Electrical

Electronic power supply: RoHS compliant Class 2 power unit for use in a damp or dry location (Outdoor Type I IP66). Class A sound rated unit tolerates sustained open circuit and short circuit output conditions without damage. Complies with FCC rules per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted & radiated) at full load. Dimming (0-10V) version intended for use with 0-10V DC type dimmers. See www.advance.philips.com for latest dimming switch compatibility.

Input voltage	Input Freq.	Max. Input Current	LED drive current	Input Power*	LED Power	THD Factor	Power Factor
120V	50/60Hz	0.09A	250mA	11W	8W	<10%	>0.95
277V	50/60Hz	0.04A	250mA	11W	8W	<10%	>0.90
120V	50/60Hz	0.18A	450mA	21W	16W	<10%	>0.95
277V	50/60Hz	0.08A	450mA	21W	16W	<10%	>0.95

* Within ±5%

Accessories

- 1967B:** Extra thick ceiling adapter (2" thick)
L56WWLENS: Spread lens for wall wash trims to provide even vertical illumination.

Labels

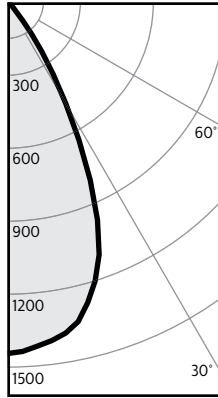
cULus listed, suitable for damp locations.
 UL wet location classified.
 ENERGY STAR® certified.
 5 year warranty. I.B.E.W.

1001LED Uniframe LED 5"

Downlight, New construction, Non-IC Frame-In Kit

1001LED09N35Z10U/1013 • 12W LED, 3500K, 80CRI, 1068lm

Candela Curves



Angle	Mean CP	Lumens
0	1445	
5	1420	134
10	1382	
15	1279	355
20	1105	
25	807	362
30	481	
35	247	161
40	100	
45	43	39
50	28	
55	14	13
60	6	
65	2	2
70	1	
75	1	1
80	1	
85	0	0
90	0	

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	58	4.0'
6'	40	4.8'
7'	29	5.6'
8'	23	6.4'
9'	18	7.2'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	49.2	0.51
6'	32.3	0.33
7'	23.1	0.24
8'	19.2	0.20
9'	15.4	0.16

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
	70	50	30	10	50	10	50	10	50	10	0
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	111	106
	1	114	111	109	107	109	105	105	102	102	99
	2	109	104	100	97	102	96	99	94	94	92
	3	104	98	93	89	96	88	94	87	87	86
	4	99	92	86	83	91	82	88	81	81	80
	5	94	86	81	77	85	76	84	76	76	75
	6	90	82	76	72	81	72	79	71	71	71
	7	86	77	71	68	76	67	75	67	67	65
	8	82	73	67	64	73	63	71	63	63	61
	9	78	69	64	60	69	60	68	60	60	58
	10	75	66	61	57	66	57	65	57	57	55

Zonal lumens & percentages

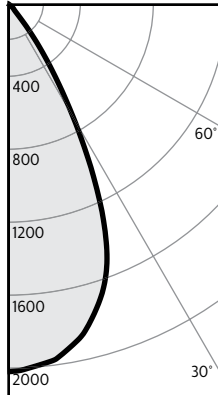
Zone	Lumens	%Luminaire
0-30	852	79.8%
0-40	1013	94.8%
0-60	1065	99.6%
0-90	1068	100.0%

Report: 859GFR

Output lumens:	1068.4lms	Efficacy:	92.9lm/w
Input Watts ² :	11.5W	CCT ³ :	3500K
Spacing Criterion:	0.8	CRI:	>80

1001LED15N35D1/1013 • 20W LED, 3500K, 80CRI, 1540lm

Candela Curves



Angle	Mean CP	Lumens
0	2018	
5	1989	188
10	1922	
15	1788	498
20	1579	
25	1199	535
30	725	
35	367	240
40	146	
45	60	55
50	42	
55	23	20
60	8	
65	3	3
70	1	
75	1	1
80	0	
85	0	0
90	0	

Single unit data

Height to Lighted Plane	Initial center beam foot-candles	Beam dia. (ft)*
5'	81	4.0'
6'	56	4.8'
7'	41	5.6'
8'	32	6.4'
9'	25	7.2'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center beam foot-candles	Watts per sq.ft.
5'	70.8	0.90
6'	46.5	0.59
7'	33.2	0.42
8'	27.7	0.35
9'	22.1	0.28

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
	70	50	30	10	50	10	50	10	50	10	0
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106
	1	114	111	109	107	109	105	105	102	101	99
	2	109	104	100	97	102	96	99	94	96	92
	3	103	97	93	89	96	88	93	87	91	85
	4	99	91	86	82	90	82	88	81	86	80
	5	94	86	81	77	85	76	83	76	82	75
	6	90	81	76	72	80	71	79	71	78	70
	7	86	77	71	67	76	67	75	67	74	66
	8	82	73	67	63	72	63	71	63	70	63
	9	78	69	63	60	68	60	68	59	67	59
	10	75	66	60	56	65	56	64	56	64	56

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	1221	79.3%
0-40	1461	94.8%
0-60	1536	99.7%
0-90	1540	100.0%

Report: 805GFR

Output lumens:	1540.1lms	Efficacy:	75.5lm/w
Input Watts ² :	20.4W	CCT ³ :	3500K
Spacing Criterion:	0.8	CRI:	>80

1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
2. Wattage: controlled to within 5%
3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-20 08: Specifications for the Chromaticity of Solid State Lighting Products.

© 2016 Philips Lighting Holding B.V. All rights reserved.
 Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.
philips.com/luminaires



Philips Lighting North America Corporation
 200 Franklin Square Drive, Somerset, NJ 08873
 Tel. 855-486-2216

Philips Lighting Canada Ltd.
 281 Hillmount Rd, Markham, ON, Canada L6C 2S3
 Tel. 800-668-9008