Project		**Catalog #**		**Type**	
Prepared by		**Notes**		**Date**	



Corelite

Class Z3

2’ x 2’ Recessed Flat Lens

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
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- Product Warranty page 3
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Product Certification

damp location

wet location

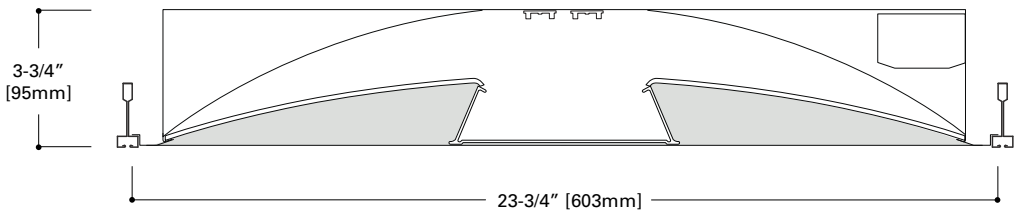
Systems | Features & Awards

Connected Systems

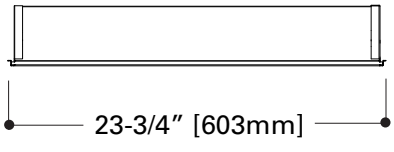
Top Product Features

- Proprietary LED platform that provides a soft, diffuse volume of pure white light.
- Fluorescent-like illumination while eliminating unsightly socket shadows.
- Low-maintenance design, reducing the hassle of luminaire upkeep.
- Multiple size options: available in 2x2, 2x4, and 1x4 configurations.
- Variety of lensing styles for design flexibility.
- Ideal for diverse architectural interiors, including offices, schools, and hospitals.

Dimensions



Alternate Dimensions 2x2



Order Information

SAMPLE ORDER NUMBER: **Z3-WL-3L35-LD5-UNV-22-T1-STD-EL14W-AR**

Series[1]	Optics/Shielding	Light Level (1x4, WL, 3500K delivered lumens)	Color Temperature	LED Revision	Input Voltage	Size
Z3 = Class Z3 LED Recessed Series	**WL** = Linear Prismatic Lens **WD** = Round Perf Inlay **WG** = Rectangular Perf Inlay **WN** = Nano Prism Lens	**1** = Light Level 1 (2059 Lms, 16W) **2** = Light Level 2 (2559 Lms, 21W) **3** = Light Level 3 (3065 Lms, 26W) **4** = Light Level 4 (3544 Lms, 31W) **5** = Light Level 5 (3980 Lms, 36W) **6** = Light Level 6 (4507 Lms, 40W)	**L30** = LED 3000K **L35** = LED 3500K **L40** = LED 4000K	**LD5** = LED 5.0	**UNV** = UNV = Universal (120V-277V) **347** = 347V [2]	**22** = 2'x2'
Notes (1)Dimming wires come standard in all LED fixtures but can be capped in the field for switched operation.	**Notes**	**Notes**	**Notes**	**Notes**	**Notes** (2)Integral 347V electronic driver with STD 0-10V option only. Factory supplied remote transformer for all other driver/dimming options.	**Notes**

Ceiling Type	Driver Type	Emergency (Optional)	Options
T1 = 1" T-Bar, Slot Grid, and 9/16" Tegular [3] **T9** = 9/16" T-Bar (Flush)	**STD** = Standard 0-10V (10%-100%) **HCD** = 0-10V (1%-100%) **STP** = Step Dimming (Bi-Level, 50%) [5] **5LT** = Fifth Light DALI (10%-100%) [4] **LH** = Lutron HiLume 1% EcoSystems [6]	**EL14W** = 14-watt 120V-277V Integral EM Battery Pack [7] **GTD2** = Bodine Emergency Transfer Switch	**AR** = Air Return **CP** = Chicago Plenum **W6** = 6' Whip Flex **W12** = 12' Whip Flex
Notes (3) "T1" ceiling type is compatible with Metalux DF Series Drywall Frame Kits and Metalux Universal Surface Mount Kits, ordered separately from Metalux. For 1x4 drywall frame kit, order part #DF-22-W. For 2x2 surface mount kit, order part #SMK-22-W. Refer to the surface mount kit specification sheet for more information.	**Notes** (4) Must be used in conjunction with a DALI control system. For a complete listing of Fifth Light Technology products and other solutions from Cooper Lighting Solutions (5)2x2: STP driver not available in Light Levels 1 and 2. (6) 2x2: LH/L5 driver not available in Light Level 1.	**Notes** (7) Unless noted otherwise, integral emergency battery pack is 14W maximum, 90 minute output. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. 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 14=1400 lumens)	**Notes**

Product Specifications

Construction
- Low profile 3-3/4" housing constructed of die-formed 20 gauge cold rolled steel with integral 20 gauge gear tray. High reflectance sheet metal internal reflectors can be removed for easy access to driver compartment from below ceiling plenum. Fixture weight: 22.5 lbs.

Shielding
- High light transmission curved frosted prismatic acrylic lens with UV inhibitors minimizes lamp image and LED pixilation. Perf patterns and nano-prismatic are available as additional aesthetic options. Perf available in round or rectangular pattern via internal frosted acrylic inlay and smooth clear acrylic lens. Nano-prismatic inlay is a high light transmission material offering additional brightness mitigation with smooth acrylic lens. Lenses secured to housing via injection molded inserts for easy access to light engine.

Finish
- Fixture housing is high reflectance white using electrostatically applied polyester powder coat paint for durability and luminous uniformity.

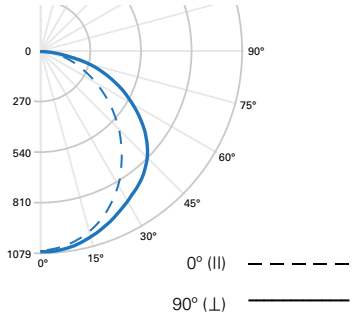
Electrical
- Long-life LED system coupled with electrical driver to deliver optimal performance. Projected life is 60,000 hours at 87% lumen output. LEDs are available in 3000K, 3500K or 4000K with a typical CRI ≤ 85. Standard drivers are 0-10 volt continuous dimming that work with any 0-10V control/dimmer. Or, specify Digital Addressable Lighting Interface (DALI) drivers; for use with Fifth Light controls. See ordering information for details.

Mounting
- Universal flange design works with most lay-in ceiling types. Integral pry-out tabs secure luminaire to ceiling grid from above. Fixture offers tie-in locations for tie-wire on all corners. Consult local code for appropriate tie-wire recommendations. See Technical Notes section for drywall frame kit and surface mount kit options.

Compliance
- Components are UL recognized and luminaires are cULus listed for 25°C ambient environments, damp location listed, and RoHS compliant.

Warranty
- Five year limited warranty

Photometric Data



FILE NAME: Z3-WL-3L35-LD5-UNV-22.IES

LAMP: (LD5) LED 3500K

LUMENS: 3006 Lm

WATTS: 25.6 W

EFFICACY: 117 Lm/W

TEST NO.: P220132

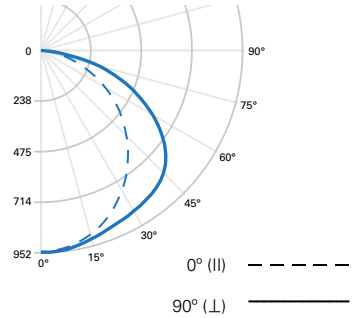
SC: (II) 1.17, (⊥) 1.23

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	838	27.9
0°-40°	1355	45.1
0°-60°	2363	78.6
0°-90°	3006	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2353	2582	2917
55°	2054	2496	3003
65°	1728	2357	2975
75°	1411	2197	2806
85°	1096	1618	1572



FILE NAME: Z3-WG-3L35-LD5-UNV-22.IES

LAMP: (LD5) LED 3500K

LUMENS: 2825 Lm

WATTS: 25.6 W

EFFICACY: 110 Lm/W

TEST NO.: P220149

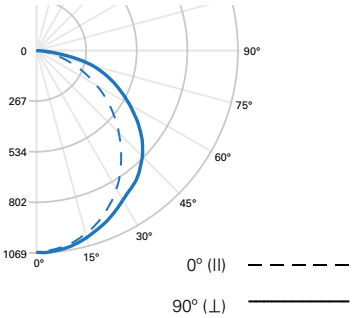
SC: (II) 1.19, (⊥) 1.34

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	731	25.9
0°-40°	1203	42.6
0°-60°	2189	77.5
0°-90°	2825	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2119	2506	2917
55°	1924	2518	3046
65°	1670	2425	3025
75°	1283	2197	2774
85°	763	1334	1334



FILE NAME: Z3-WN-3L35-LD5-UNV-22.IES

LAMP: (LD5) LED 3500K

LUMENS: 2981 Lm

WATTS: 25.6 W

EFFICACY: 116 Lm/W

TEST NO.: P220183

SC: (II) 1.17, (⊥) 1.26

ZONAL LUMENS SUMMARY

Zone	Lumens	% Fixture
0°-30°	804	27
0°-40°	1311	44
0°-60°	2345	78.7
0°-90°	2981	100

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2330	2635	3005
55°	2105	2619	3082
65°	1806	2465	2975
75°	1363	2148	2614
85°	763	1284	1380

Note: Round Perf (WD) photometric performance is similar to Rectangular Perf (WG). Reference IES-format photometry online for more detail.

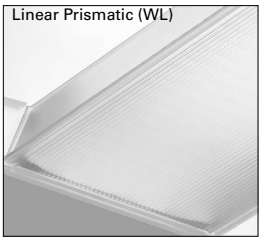
Energy and Performance Data

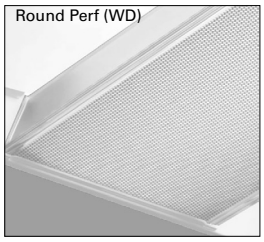
2x2 – Z3 Light Level Outputs and Distributions (3500K)				
Series	**Light Level**	**Delivered Lumens**	**Wattage**	**Efficacy (LPW)**
Z3-WL	1	2020	16.4	123
	2	2510	20.8	121
	3	3006	25.6	117
	4	3476	30.5	114
	5	3904	35.6	110
	6	4421	39.9	111
Z3-WD	1	1884	16.4	115
	2	2341	20.8	113
	3	2804	25.6	110
	4	3242	30.5	106
	5	3641	35.6	102
	6	4124	39.9	103
Z3-WG	1	1898	16.4	116
	2	2359	20.8	113
	3	2825	25.6	110
	4	3267	30.5	107
	5	3669	35.6	103
	6	4155	39.9	104
Z3-WN	1	2003	16.4	122
	2	2489	20.8	120
	3	2981	25.6	116
	4	3447	30.5	113
	5	3871	35.6	109
	6	4384	39.9	110

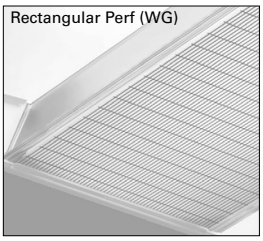
Nominal Lumen Maintenance

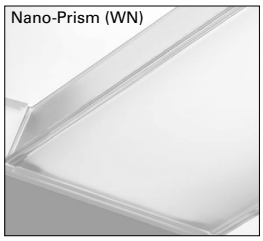
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	>87%	159,000

Inlay Options









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Specifications and dimensions subject to change without notice.