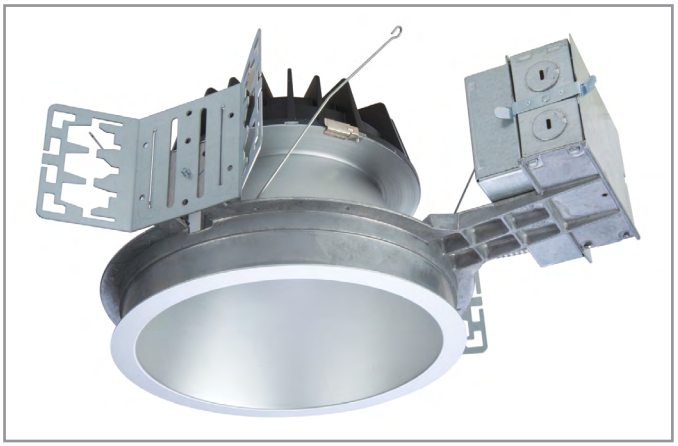
Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LD8B ER8B 8LB

8" Narrow, Medium, or Wide
New Construction Downlight
1,000-20,000 Lumen

Typical Applications
Office • Education • Healthcare • Hospitality

Interactive Menu

Product Certification

ENERGY STAR · Efficiency Standards T24 · RoHS COMPLIANT · UL CERTIFIED · wet location

Control Compatibility

WaveLinx LITE · WaveLinx PRO

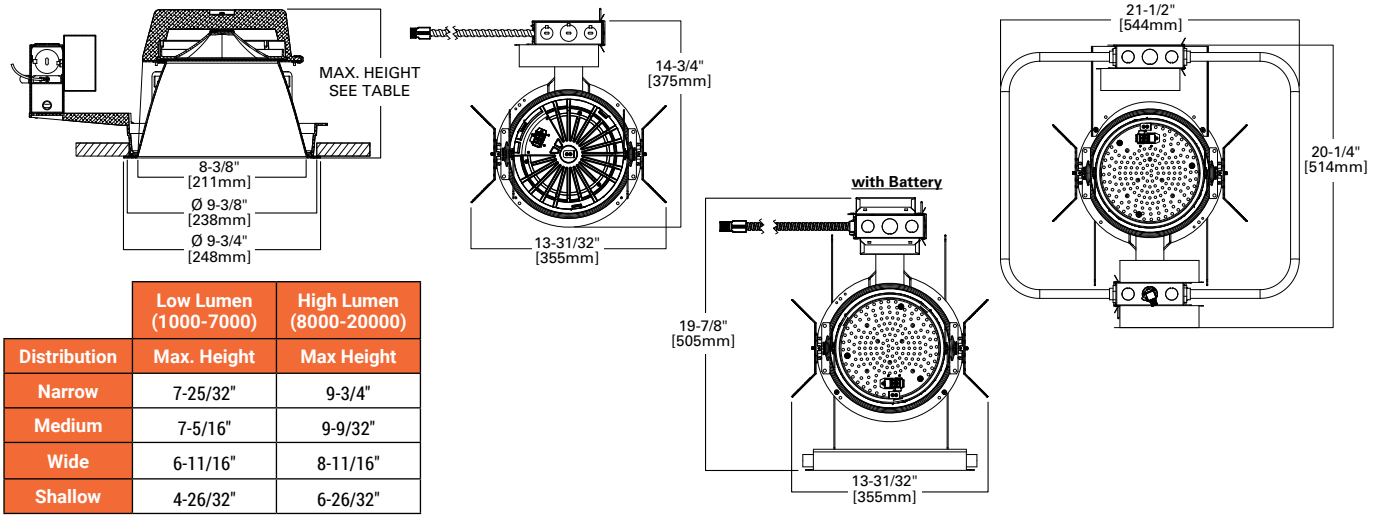
Product Features

D2W™ · VividTune color tuning solutions · powered by fifthlight technology · Showerlight · PLENUM RATED · BAA BUY AMERICAN ACT AVAILABLE · TAA TRADE AGREEMENTS ACT AVAILABLE

Top Product Features

- 1,000 to 20,000 lumens; Offered in 80, 90 and 97 CRI; narrow beam, medium beam and wide beam distributions
- Two-stage reflector system produces smooth beam; Color variation within 3-step MacAdam ellipses
- Flexible disconnect for easy LED engine replacement and installation
- 2400K, 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details



	Low Lumen (1000-7000)	High Lumen (8000-20000)
Distribution	Max. Height	Max Height
Narrow	7-25/32"	9-3/4"
Medium	7-5/16"	9-9/32"
Wide	6-11/16"	8-11/16"
Shallow	4-26/32"	6-26/32"

Order Information

SAMPLE ORDER NUMBER: **LD8B50D010IEMBOD**

Domestic Preferences	Housing	Lumens	Voltage	Driver Options

Domestic Preferences [15]	Housing	Lumens [1]	Voltage [10]	Driver Options	
				1 Driver	2 and 3 Drivers
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**LD8B**=LED Downlight 8" Nominal Aperture **LD8BCP**=LED Downlight 8" Nominal Aperture, Chicago Plenum	**10**=1000 lumens **15**=1500 lumens **20**=2000 lumens **30**=3000 lumens **40**=4000 lumens **50**=5000 lumens **60**=6000 lumens[8] **70**=7000 lumens[8] **80**=8000 lumens[8] **90**=9000 lumens[8] **100**=10000 lumens[8] **120**=12000 lumens[8] **150**=15000 lumens[8] **175**=17500 lumens[8] **200**=20000 lumens[8]	**Blank**=120-277 7000 lumen and below. **3**=347V step down transformer [11]	**<u>1000-4000 Lumen</u>**[13] **D010**=0-10V 120-277V Dimming, 1 to 100% **D010TR**=0-10V 120-277V or 120V Line Voltage Dimming, 1% to 100% **DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V **D5LT**=Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V **DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V[12] **DMXC5**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection **DLE**=Lutron Ecosystem dimming 1% to 100% **DMXC5**=DMX/RDM Logarithmic Dimming 0% to 100% with RJ45 connection **<u>1000-3000 Lumen</u>** **DLV**=Low voltage dimming driver (1-100%) for use with DLVP system **<u>5000, 6000, and 7000 Lumen</u>**[14] **D010TE**=0-10V or Trailing Edge Dimming, 5% to 100%, 120V-277V (120V Only for Trailing Edge Dimming) **<u>Tunable white 1000-2000</u>** **DE010W2N**=0-10V dimming, 0% to 100%,120V **D5LTW2N**=Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%	**4000 and 6000 Lumen D2W (2 Drivers)** **6000, 8000 and 9000 Lumen (2 Drivers)** **9000 Lumen D2W (3 Drivers)** **<u>12,000 Lumen (3 Drivers)</u>** **1D010**=0-10V, 120V Dimming, 1% to 100% **2D010**=0-10V, 277V Dimming, 1% to 100% **1D010TR**=0-10V or 120V Line Voltage Dimming, 1% to 100% **2D010TR**=0-10V, 277V Dimming, 1% to 100% **1DE010**=0-10V, 120V Linear Dimming, 0% to 100% **2DE010**=0-10V, 277V Linear Dimming, 0% to 100% **1D5LT**=120V Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100% **2D5LT**=277V DALI DT6 Logarithmic Dimming, 0% to 100% **1DMX**=120V, DMX/RDM Logarithmic Dimming, 0% to 100%[12] **2DMX**=277V, DMX/RDM Logarithmic Dimming, 0% to 100%[12] **1DMXC5**=120V, DMX/RDM Logarithmic Dimming 0% to 100% with RJ45 connection **2DMXC5**=277V, DMX/RDM Logarithmic Dimming 0% to 100% with RJ45 connection **1DL2**=120V Lutron® Hi-Lume Forward Phase Dimming, 1% to 100% **1DLE**=120V, Lutron Ecosystem dimming 1% to 100% **2DLE**=277V, Lutron Ecosystem dimming 1% to 100% **<u>10,000, 12,000, 15,000, 17,500, 20,000 Lumen</u>** **1D010TE**=0-10V or Trailing Edge Dimming, 5% to 100%, 120V **2D010TE**=0-10V, 5% to 100% **<u>Tunable white 3000-4000</u>** **1DE010W2N**=0-10V dimming, 0% to 100%,120V **2DE010W2N**=0-10V dimming, 0% to 100%,277V **1D5LTW2N**=120V, Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100% **2D5LTW2N**=277V, Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%
Notes (18) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.		**Notes** (1) Nominal Lumens will vary depending on selected color, driver and reflector finish. (8) Product is marked spacing and must be installed with the following minimum spacing -Center to center of adjacent luminaires: 36" -Center of luminaire to side of building member: 18" -Minimum overhead: 1/2" -20,000 Lumens minimum overhead: 6"	**Notes** (10) For single driver. (11) 347V step down transformer only available up to 7000 Lumen	**Notes** (12) DMX fixtures default to full on upon loss of DMX signal. (13) For D2W up to 3000 lumens. (14) Not for use with D2W.	

Color Control	Options

Color Control [9]	Options [3]		
Blank=No color control or D2W for 2000 lumens and below **D2W**=For 4000, 6000 and 9000 dim 2 warm **2050**=For W2N 2000K - 5000K **2765**= For W2N 2700K - 6500K	**WPST**=Factory installed WaveLinx Sensor Kit [2] [3] [16] **WLST**=Factory installed WaveLinx LITE Sensor Kit [2] [3] [17] **WPN** = WaveLinx PRO Wireless Node without sensor [19]	**EMBOD**=Bodine® Emergency Module with Remote Test Switch[3] **EMBOD7ST** =Bodine® Emergency Module with Self Test Remote Test Switch[3] **EM7**=7W Emergency Module with Remote Test Switch[3] **EM14**=14W Emergency Module with Remote Test Switch[3] **IEMBOD**=Bodine® Emergency Module with Integral Test Switch[3] **IEM7**=7W Emergency Module with Integral Test Switch[3] **IEM14**=14W Emergency Module with Integral Test Switch[3]	**EMV7**=7W Low Voltage Emergency Module with Remote Test Switch[4] **EMV14**=14W Low Voltage Emergency Module with Remote Test Switch[4] **IEMV7**=7W Low Voltage Emergency Module with Integral Test Switch[4] **IEMV14**=14W Low Voltage Emergency Module with Integral Test Switch[4]
Notes (9) Field required for D2W 4000, 6000 and 9000 lumens only.	**Notes** (2) Refer to system specifications for additional information, features and benefits. Order either factory installed option or accessory, use with 0-10V driver. (3) Not available with Chicago Plenum or IC rating. (4) ULus listed only. (16) WPST = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only. (17) WLST = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications) (19) WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.		

Order Information

SAMPLE ORDER NUMBER: **ER8B30408035**

Domestic Preferences | Power Module | Lumen Levels | Color

Domestic Preferences [18]	Power Module	Lumen Levels [1]	Color
[Blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**ER8B**=8" LED Module	**1 Driver** **1020=**1000, 1500, or 2000 Lumens **3040=**3000 or 4000 Lumens **5070=**5000, 6000, or 7000 lumens **2 Drivers** **60=**6000 lumens, 2 LEDs **80120=**8000, 9000, 10000, or 12000 lumens **3 Drivers** **120=**12000 lumens, 3 LEDs **150200=**15000, 17500 or 20000 lumens	**80 CRI** **8027=** 80CRI, 2700K **8030=** 80CRI, 3000K **8035=** 80CRI, 3500K **8040=** 80CRI, 4000K **8050=** 80CRI, 5000K **90 CRI** **9027=** 90CRI, 2700K **9030=** 90CRI, 3000K **9035=** 90CRI, 3500K **9040=** 90CRI, 4000K **9050=** 90CRI, 5000K **97 CRI** **9727=** 97CRI, 2700K **9730=** 97CRI, 3000K
Notes (18) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.			**Dim 2 Warm 1 Driver** **109030D2W=**1000 Lumen, 90 CRI, Dim 2 Warm, IC Rated **159030D2W=**1500 Lumen, 90 CRI, Dim 2 Warm, IC Rated **209030D2W=**2000 Lumen, 90 CRI, Dim 2 Warm, IC Rated **309030D2W=**3000 Lumen, 90 CRI, Dim 2 Warm **Dim 2 Warm 2 Drivers** **409030D2W=**4000 Lumen, 90 CRI, Dim 2 Warm **609030D2W=**6000 Lumen, 90 CRI, Dim 2 Warm **Dim 2 Warm 3 Drivers** **909030D2W=**9000 Lumen, 90 CRI, Dim 2 Warm **W2N Tunable White 1 Driver** [16] **10W2N902050=**1000 lumens, 90 CRI, Tunable white 2000K - 5000K **10W2N902765=**1000 lumens, 90 CRI, Tunable white 2700K - 6500K **15W2N902050=**1500 lumens, 90 CRI, Tunable white 2000K - 5000K **15W2N902765=**1500 lumens, 90 CRI, Tunable white 2700K - 6500K **20W2N902050=**2000 lumens, 90 CRI, Tunable white 2000K - 5000K **20W2N902765=**2000 lumens, 90 CRI, Tunable white 2700K - 6500K **W2N Tunable White 2 Drivers** **30W2N902050=**3000 lumens, 90 CRI, Tunable white 2000K - 5000K **30W2N902765=**3000 lumens, 90 CRI, Tunable white 2700K - 6500K **40W2N902050=**4000 lumens, 90 CRI, Tunable white 2000K - 5000K **40W2N902765=**4000 lumens, 90 CRI, Tunable white 2700K - 6500K
	Notes (1) Nominal Lumens will vary depending on selected color, driver and reflector finish.	**Notes** (16) Non-IC.	

SAMPLE ORDER NUMBER: **8LBM1LI**

Domestic Preferences | Trim | Distribution | Flange | Finish | Options

Domestic Preferences [18]	Trim	Distribution [5]	Flange	Finish	Options
[Blank]=Standard **BAA**=Buy American Act	**8LB**=8" Reflector	**N**=Narrow Spun Aluminum **M**=Medium Spun Aluminum **W**=Wide Spun Aluminum **S**=Shallow Spun Aluminum	**0**=White Polymer Trim Ring **1**=Self-flanged [7] **2**=White Painted Self-flanged	**LI**=Specular Clear **H**=Semi-Specular Clear **WMH**=Warm Haze **WH**=Wheat **GPH**=Graphite Haze **B**=Specular Black **MW**=Matte White	**E**=Integral Emergency Test Switch Hole [6]
Notes (18) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.		**Notes** (5) Beam angles are nominal with LI finish trims. See chart.	**Notes** (7) Flange is the same finish as the reflector.		**Notes** (6) Only available with Narrow, Medium and Wide Spun Aluminum trims. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings.

Accessories

Accessories
HSA8=Slope Adapter for 8" Aperture Housings, Specify Slope [15] **Bar Hangers** **HB26**=C-channel Bar Hanger, 26" Long, Pair **HB50**=C-channel Bar Hanger, 50" Long, Pair **Transformers** **H347**=347 to 120V Step Down Transformer, 75VA **H347200**=347 to 120V Step Down Transformer, 200VA **Connected Lighting Systems** [2] **WPST** = Field installed WaveLinx sensor Kit [16] **WLST** = Field installed WaveLinx LITE Sensor Kit [17]
Notes (2) Refer to system specifications for additional information, features and benefits. Order either factory installed option or accessory, use with 0-10V driver. (15) Consult accessory specification sheet for ordering information. (16) WPST = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only. (17) WLST = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)

Product Specifications

Lower Shielding Reflector
- Self-flanged, spun .060" thick aluminum lower reflector
- Lensed upper optical chamber
- Provides superior lumen output with minimal source brightness
- Available in all Portfolio Alzak® finishes

Trim Retention
- Two torsion springs hold lower reflector flange tightly to the finished ceiling surface

Plaster Frame/Collar
- Die-cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2"

Universal Mounting Bracket
- Accepts 1/2" Electric Metallic Tube (EMT), C-channel and bar hangers
- Adjusts 5" vertically from above and below the ceiling

Junction Box
- Four 1/2" and two 3/4" trade size pry outs positioned to allow straight conduit runs
- Listed for eight #12 AWG (four in, four out) 90°C conductors and feed-through branch wiring

Thermal
- Aluminum heat sink conducts heat away from the LED module for improved performance and longer life

LED System
- Contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and transitional lens producing even distribution with no pixilation
- Lumen output shall not decrease by more than 10% over the minimum life of 55,000 hours (L90 > 55,000 hours)
- Color variation within 2-step MacAdam ellipses
- Flexible disconnect allows for tool-less replacement of LED engine from below ceiling
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Available in 80, 90 or 97 color rendering index (CRI)

VividTune™ Color Tuning Solutions
- D2W™ – Dim-to-Warm shifts CCT from 3000K to 1850K as fixture dims, mimicking halogen sources
- W2N – Tunable white CCT range from 2700K to 6500K or 2000K to 5000K; 90 CRI

Driver
- Combination 0-10V/trailing edge driver provides flicker free dimming from 100% to 10%
- Optional 1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem
- Driver can be serviced from above or through the aperture
- 1,000-7,000 lumens utilize one driver; 8,000-12,000 lumens utilize two drivers; 15,000-20,000 lumens utilize three drivers; reference ordering information for other variations
- Distributed low voltage power system combines power, lighting, and controls with ease of installation.

Connected Lighting System
Two WaveLinx connected solutions to choose from. Refer to WaveLinx system specifications and application guides for details.

WaveLinx PRO Tilemount Sensor Kit
- WaveLinx WPST tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

WaveLinx PRO Wireless Node
- WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.

WaveLinx LITE Tilemount Sensor Kit
- WaveLinx LITE WLST tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx Tilemount Kits Application
- The WPST and WLST tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WPST and WLST tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Compliance
- Thermally protected
- cULus Certified to UL 1598 / C22.2 No. 250.0 suitable for wet locations with downlight; damp location with wall wash and hyperbolic with covered ceiling
- cULus Certified IP65 below ceiling
- Optional City of Chicago environmental air (CCEA) marking for plenum applications
- EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits
- Insulated ceiling (IC) rated up to 2,000 lumens; 3,000 lumens and above are non-IC rated (insulation must be kept 3" from top and sides of housing)
- RoHS compliant
- T24 compliant
- IP20 above ceiling
- IP65 below ceiling finish
- Photometric testing completed in accordance with IES LM-79 standards
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- 6,000 lumens and above are marked spacing and must follow spacing requirements

Warranty
- Five year warranty www.cooperlighting.com/legal

Color Metric Summary

8027	
R_f	93.2
R_g	94.1
CRI	81.3
R_9	0.7

8030	
R_f	83.4
R_g	94.4
CRI	82.4
R_9	4.5

8035	
R_f	83.7
R_g	94.8
CRI	83.1
R_9	9.1

8040	
R_f	83.3
R_g	94
CRI	83.7
R_9	9.9

8050	
R_f	82.5
R_g	94.3
CRI	94.2
R_9	11.9

9027	
R_f	92
R_g	98.4
CRI	93.4
R_9	59.3

9030	
R_f	91.6
R_g	98.6
CRI	93.2
R_9	60.2

9035	
R_f	90.9
R_g	98.3
CRI	93.3
R_9	63.1

9040	
R_f	89.4
R_g	96.6
CRI	91.8
R_9	58

9050	
R_f	88.4
R_g	96.8
CRI	91
R_9	55.2

9727	
R_f	95
R_g	100.1
CRI	98
R_9	93.9

9730	
R_f	94.2
R_g	99.6
CRI	98.5
R_9	94.7

Energy

ENERGY DATA
Sound Rating: Class A standards
(Values at non-dimming line voltage)
Minimum Starting Temperature: -20°C (-4°F)
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)
Power Factor: >0.90
Input Frequency: 50/60Hz

	NOMINAL BEAM ANGLES WITH LI FINISH			
	Narrow	Medium	Wide	Shallow
1000-7000	15	40	73	86
8000-12000	30	44	73	86
15000-20000	34	46	73	86

1000 Lumen D010	
Input Power: 11W	THD <14%
Input Current: 0.09A	277V Input Current: 0.04A

1500 Lumen D010	
Input Power: 15.5W	THD <13%
Input Current: 0.13A	277V Input Current: 0.06A

2000 Lumen D010	
Input Power: 21.2 W	THD <9%
Input Current: 0.18A	277V Input Current: 0.08A

3000 Lumen D010	
Input Power: 27.6 W	THD <10%
Input Current: 0.23A	277V Input Current: 0.10A

4000 Lumen D010	
Input Power: 41.6 W	THD <13%
Input Current: 0.35A	277V Input Current: 0.15A

5000 Lumen D010TE	
Input Power: 52.5 W	THD <12%
Input Current: 0.44A	277V Input Current: 0.19A

6000 Lumen D010TE	
Input Power: 59.7W	THD <14%
Input Current: 0.50A	277V Input Current: 0.22A

7000 Lumen D010TE	
Input Power: 75.8 W	THD <13%
Input Current: 0.64A	277V Input Current: 0.29A

8000 Lumen D010	
Input Power: 73.8 W	THD <13%
Input Current: 0.62A	277V Input Current: 0.26A

9000 Lumen D010	
Input Power: 86.9 W	THD <13%
Input Current: 0.72A	277V Input Current: 0.32A

10000 Lumen D010TE	
Input Power: 115.4 W	THD <13%
Input Current: 0.96A	277V Input Current: 0.42A

12000 Lumen D010TE	
Input Power: 119.4 W	THD <13%
Input Current: 1.0A	277V Input Current: 0.43A

15000 Lumen D010TE	
Input Power: 173.7 W	THD <13%
Input Current: 1.45A	277V Input Current: 0.63A

17500 Lumen D010TE	
Input Power: 179.1 W	THD <13%
Input Current: 1.49A	277V Input Current: 0.65A

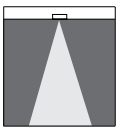
20000 Lumen D010TE	
Input Power: 227.4 W	THD <13%
Input Current: 1.9A	277V Input Current: 0.82A

Photometric Data

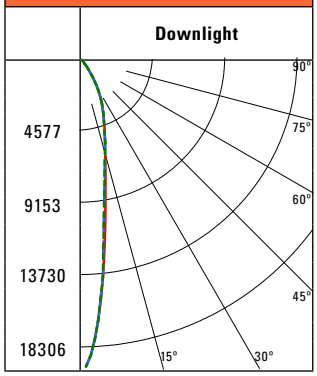
View IES files

NARROW (15° BEAM)

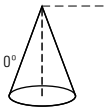
Test Number	
Housing	LD8B50D010
Module	ER8B50835
Trim	8LBN0H
Lumens	4986
Efficacy	94.1 Lm/W
SC	0.32



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
4'	1144.4	1.2	1.2
7'	373.7	2.2	2.2
9'	226.1	2.8	2.8
13'	108.3	4	4
16'	71.5	5	5

CANDELA TABLE

Degrees Vertical	Candela
0	18310
5	14091
15	5762
25	3117
35	1021
45	99
55	5
65	1
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

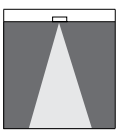
Zone	Lumens	% Fixture
0-30	4214	84.5
0-40	4883	97.9
0-60	4983	99.9
0-90	4986	100
90-180	0	0
0-180	4986	100

LUMINANCE

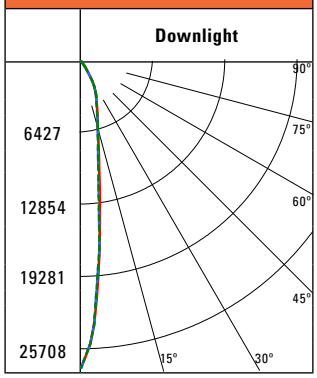
Average Candela Degrees	Average 0° Luminance
45	4330
55	253
65	88
75	143
85	0

NARROW (15° BEAM)

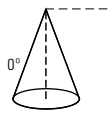
Test Number	
Housing	LD8B50D010
Module	ER8B50835
Trim	8LBN0LI
Lumens	5248
Efficacy	99 Lm/W
SC	0.25



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
4'	1607	1	1
7'	524.7	1.6	1.6
9'	317.4	2.2	2.2
13'	152.1	3.2	3.2
16'	100.4	4	4

CANDELA TABLE

Degrees Vertical	Candela
0	25712
5	17790
15	5743
25	3148
35	879
45	101
55	7
65	7
75	4
85	0
90	0

ZONAL LUMEN SUMMARY

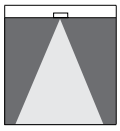
Zone	Lumens	% Fixture
0-30	4514	86
0-40	5134	97.8
0-60	5238	99.8
0-90	5248	100
90-180	0	0
0-180	5248	100

LUMINANCE

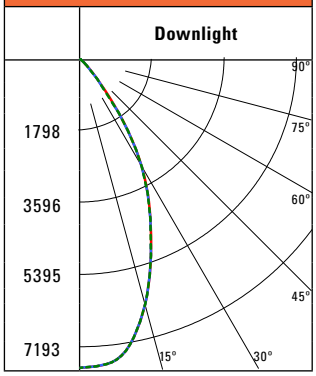
Average Candela Degrees	Average 0° Luminance
45	4422
55	382
65	518
75	429
85	0

MEDIUM (40° BEAM)

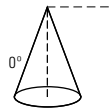
Test Number	
Housing	LD8B50D010
Module	ER8B50835
Trim	8LBM0H
Lumens	5426
Efficacy	102.4 Lm/W
SC	0.8



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
4'	449.8	3.2	3.2
7'	146.9	5.6	5.6
9'	88.8	7.2	7.2
13'	42.6	10.4	10.4
16'	28.1	12.8	12.8

CANDELA TABLE

Degrees Vertical	Candela
0	7197
5	7141
15	5914
25	3883
35	1774
45	244
55	16
65	2
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

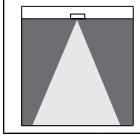
Zone	Lumens	% Fixture
0-30	4078	75.2
0-40	5174	95.4
0-60	5422	99.9
0-90	5426	100
90-180	0	0
0-180	5426	100

LUMINANCE

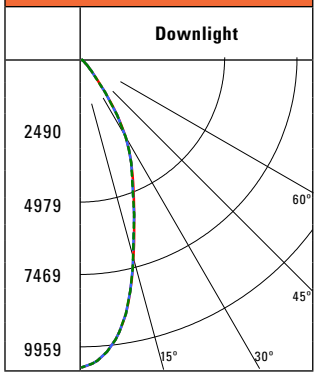
Average Candela Degrees	Average 0° Luminance
45	10619
55	887
65	175
75	143
85	0

MEDIUM (40° BEAM)

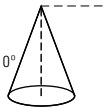
Test Number	
Housing	LD8B50D010
Module	ER8B50835
Trim	8LBM0LI
Lumens	5711
Efficacy	107.8 Lm/W
SC	0.63



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
4'	622.7	2.4	2.4
7'	203.3	4.4	4.4
9'	123	5.6	5.6
13'	59	8	8
16'	38.9	10	10

CANDELA TABLE

Degrees Vertical	Candela
0	9963
5	9498
15	6587
25	3908
35	1559
45	219
55	27
65	7
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	4491	78.6
0-40	5481	96
0-60	5702	99.8
0-90	5711	100
90-180	0	0
0-180	5711	100

LUMINANCE

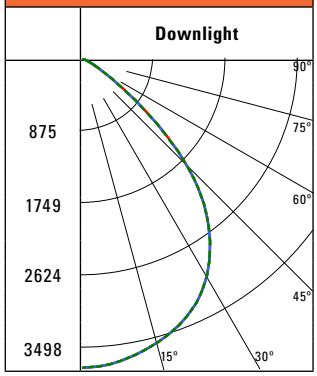
Average Candela Degrees	Average 0° Luminance
45	9546
55	1435
65	518
75	214
85	0

Photometric Data

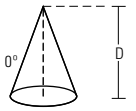
View IES files

SHALLOW (86° BEAM)	
Test Number	
Housing	LD8B50D010
Module	ER8B50835
Trim	8LBS0H
Lumens	6035
Efficacy	113.9 Lm/W
SC	1.2

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
4'	218.9	4.6	4.6
7'	71.5	8.2	8.2
9'	43.2	10.6	10.6
13'	20.7	15.4	15.4
16'	13.7	19	19

CANDELA TABLE

Degrees Vertical	Candela
0	3502
5	3477
15	3322
25	3056
35	2525
45	1630
55	459
65	84
75	18
85	4
90	0

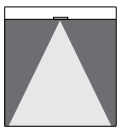
ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	2670	44.2
0-40	4240	70.2
0-60	5920	98.1
0-90	6035	100
90-180	0	0
0-180	6035	100

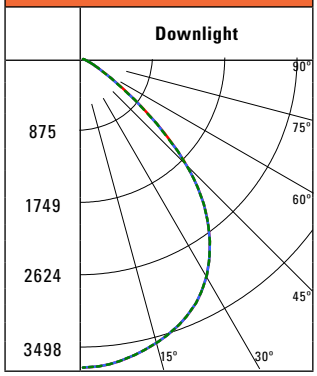
LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	71087
55	24682
65	6100
75	2121
85	1274

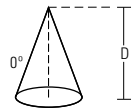
SHALLOW (86° BEAM)	
Test Number	
Housing	LD8B50D010
Module	ER8B50835
Trim	8LBS0LI
Lumens	6206
Efficacy	117.1 Lm/W
SC	1.28



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
4'	216.3	5	5
7'	70.6	8.8	8.8
9'	42.7	11.4	11.4
13'	20.5	16.6	16.6
16'	13.5	20.4	20.4

CANDELA TABLE

Degrees Vertical	Candela
0	3460
5	3462
15	3498
25	3343
35	2681
45	1591
55	418
65	57
75	5
85	2
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	2850	45.9
0-40	4513	72.7
0-60	6132	98.8
0-90	6206	100
90-180	0	0
0-180	6206	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	69395
55	22488
65	4159
75	631
85	637

Nominal Scaling From 80 CRI 3500K		
CRI	CCT	Lumen Mult
80	2700	0.938
80	3000	0.962
80	3500	1.000
80	4000	0.993
80	5000	1.013
90	2700	0.784
90	3000	0.826
90	3500	0.853
90	4000	0.891
90	5000	0.922
97	2700	0.696
97	3000	0.737

Nominal Scaling From 5000 lumen package	
LUMEN PACKAGE	LUMEN MULT
1000 LUMEN	0.207
1500 LUMEN	0.280
2000 LUMEN	0.398
3000 LUMEN	0.562
4000 LUMEN	0.799
5000 LUMEN	1.000
6000 LUMEN	1.133
7000 LUMEN	1.368
8000 LUMEN	1.535
9000 LUMEN	1.729
10,000 LUMEN	1.994
12,000 LUMEN	2.261
15,000 LUMEN	2.949
17,500 LUMEN	3.329
20,000 LUMEN	3.924

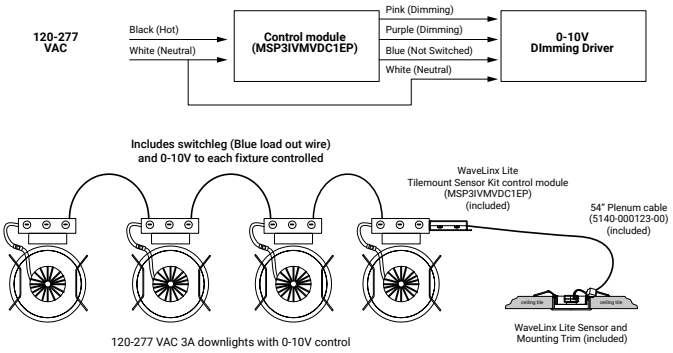
Connected Solutions

WaveLinx LITE - WLST Tilemount Sensor

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

Device Security | Manual Dimmer | Occupancy Sensor | Daylighting Control | Manually Switched ON/OFF | Tuning Control | Lumen Maintenance Control | Scenes

WaveLinx LITE WLST Tilemount Wiring Diagram



WaveLinx LITE Bluetooth Enabled System

WaveLinx PRO Wireless – WPST Tilemount Sensor

- WaveLinx PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

Downlights with tilemount sensor wireless communication
Highly efficient LED fixtures

WaveLinx Area Controller
Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle
Provides customized wireless control of each area

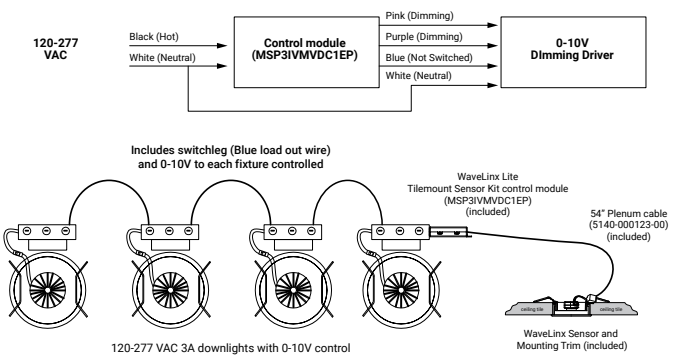
Mobile Applications
Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

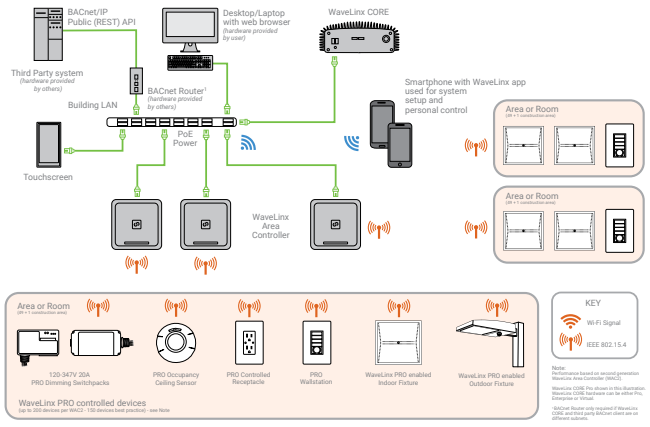
Manual Dimmer | Occupancy Sensor | Lumen Maintenance Control | Daylighting Control

Receptacle Control | Tuning Control | Scheduling | Manually Switched ON/OFF | Demand Response

WaveLinx PRO WPST Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions

WaveLinx PRO Wireless Node - WPN

- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinx Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

Downlights with wireless communication

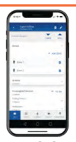
Highly efficient LED fixtures

WaveLinx Area Controller

Provides centralized coordination of multiple area control options

Wireless Wall Station/Receptacle

Provides customized wireless control of each area



Mobile Applications

Provides personalized, local control from a tablet or smartphone

WaveLinx mobile app settings

Manual Dimmer

Occupancy Sensor

Lumen Maintenance Control

Daylighting Control

Receptacle Control

Tuning Control

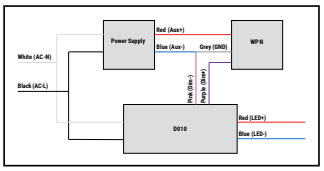
Scheduling

Manually Switched ON/OFF

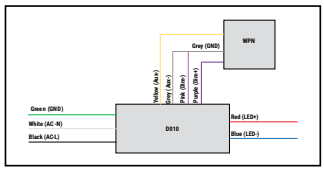
Demand Response

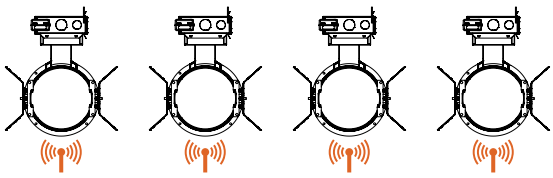
WaveLinx PRO Wireless Node (WPN) Wiring Diagram

For 0-10V drivers 250 lumens and Tunable White



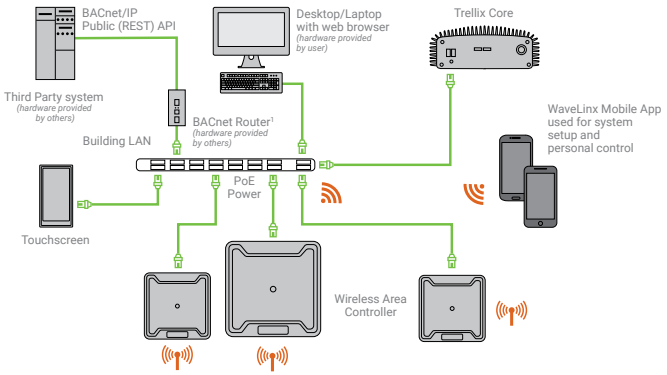
For 0-10V drivers 500 lumens and over





120-277 VAC 3A downlights with 0-10V control

WaveLinx CORE Building Management Integration



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www.cooperlighting.com