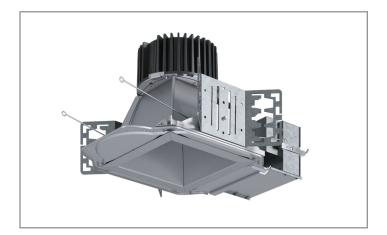
Project	Catalog #	Туре	
Prepared by	Notes	Date	



Portfolio

LDSQ4D | EU4D | 4LBSQ VividTune and BioUp

4" Square, New Construction Downlight with High Center Beam Optics Tunable White BioUp and dim to warm 800-3500 Lumens

Typical Applications Office • Education • Healthcare • Hospitality • Retail • Code-Compliance Areas • Sports Venues



- Order Information page 2
- Product Specifications page 4
- Energy Data page 6
- Connected System page 7
- Product Warranty























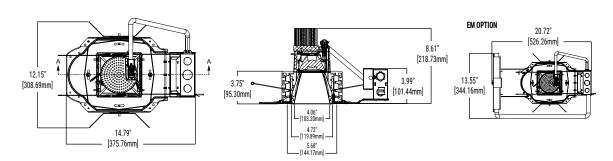




Top Product Features

- 800-3500 lumens; ENERGY STAR® qualified
- Precision interchangeable optics
- · Optional snap in driver for ease of replacement; Die-cast or anodized aluminum reflectors
- Standard 0-10V driver dims to 1%; Easy disconnect for LED engine replacement and installation
- D2W[™] option from 3000K to 1850K
- Tunable White CCT range: W2N = 2700K to 6500K or 2000K to 5000K / BioUp = 2700K to 5000K

Dimensional and Mounting Details







Single Line Order Information

SAMPLE ORDER NUMBER: LDSQ4D10R25DE010W2N2765



Invoice will indicate separate fixture components (housing, trim, module) which will ship complete from a single CLS facility in separate cartons. To receive separate components (housing, trim, module) shipment, click on the "Multi-Line Ordering Information Option" button to the right.

Housing	Lumen (1)	Optic	Color Control	CCT ⁽²⁰⁾
LDSQ4D=LED Square Downlight 4" Nominal Aperture LDSQ4DCP=LED Square Downlight 4" Nominal Aperture, Chicago Plenum	08=800 lumens (27) 10=1000 Lumens (28) 15=1500 Lumens 20=2000 Lumens 25=2500 lumens 30=3000 Lumens (10) 35=3500 lumens (10)	R25=25° R50=50° R30=30° R55=55° R35=35° R60=60° R40=40° R65=65° R45=45° R70=70°	D2W=Dim to warm for 800-2500 lumens; 90CRI, 1850K-3000K W2N2765=Tunable White for 1000-3500 lumens, 2700K-6500K (D5LT & DE010 drivers only), 90CRI W2N2050=Tunable White for 1000-3500 lumens, 2000K-5000K (D5LT & DE010 drivers only), 90CRI B2750=BioUp 2700K-5000K, 800-2500 lumens (D5LT & DE010 drivers only) B=BioUp static CCT, for use with 3500K, 4000K and 5000K, 800-2500 lumens (D5LT & DE010 drivers only)	Static BioUp 35=3500K 40=4000K 50=5000K

Voltage	Driver	Driver Options	Hanger Bars
Dim-to Warm Blank=120-277V 800 lumens 1=120V 1000-2500 lumens 2=277V 1000 to 2500 lumens 3=347V (D010 driver 800-2500 lumens) Limited to 800 lumens with remote driver	Dim-to Warm D010=0-10V 1% dimming D010TR=0-10V 0r (120V) phase cut 1% dimming DE010=0-10V linear 0.1% dimming DSLT=DALI T6 Logarithmic 0.1% Dimming DMX=DMX/RDM Logarithmic 0.1% Dimming (14) DMXC5=DMX/RDM Logarithmic 0.1% Dimming with RJ45 connection (14) DLE=Lutron Ecosystem 1-100% dimming DLVP=Low voltage dimming 1-100% for use with DLVP system (9)	Blank=Integral driver RD100=Remote 100ft (3 (3) RD75=Remote 75ft (9 (3) RD50=Remote 50ft (9 (3) RD50=Remote 50ft (9) RD15=Remote 25ft (9) RD5=Remote 15ft (9) RD5=Remote 2ft (9) RD2=Remote 2ft (9) RD2=Remote 2ft (9) PD=Plug in Driver	Blank=Without hanger bars B26=C-channel Bar Hanger, 26" Long, Pair
Tunable White Blank=1000 lumens 1=120V 1500-3500 lumens 2=277V 1500-3500 lumens 3=347V Step down transformer (Limited to 1000 lumens with remote driver)	Tunable White DE010W2N2765=0-10V 0.1% Dimming, 2700-6500K DE010W2N2050=0-10V 0.1% Dimming, 2000-5000K DSLTW2N2765=DALI T6 0.1% Dimming, 2700-6500K DSLTW2N2050=DALI T6 0.1% Dimming, 2000-5000K		
BioUp Tunable White Blank=800 lumens 1=120V 1000-2500 lumens 2=277V 1000-2500 lumens 3=347V Step down transformer (Limited to 800 lumens with remote driver)	BioUp Tunable White DE010B2750=0-10V 0.1% dimming, tunable white 2700-6500K DE010B35= 0-10V 0.1% dimming, static white 3500K DE010B40= 0-10V 0.1% dimming, static white 4000K DE010B50= 0-10V 0.1% dimming, static white 5000K DE1TB2750=DALI T6 0.1% dimming, tunable white 2700-6500K DSLTB35= DALI T6 0.1% dimming, static white 3500K DSLTB40= DALI T6 0.1% dimming, static white 4000K DSLTB50= DALI T6 0.1% dimming, static white 5000K		

Trim Distribution (5)	Trim Flange	Trim Finish	Options (3) (16) (31)
SQW = Medium beam 45° cutoff Anodized Aluminum CSSQ=Cast Shallow Square, Die Cast Aluminum	0=White Polymer Trim Ring 1=Self-flanged (13) 2=White Painted Self-flanged 4=Knife edge rimless use with die cast only (8) (23)	LI=Specular Clear (*) H=Semi-Specular Clear (*) WMH=Warm Haze (*) WH=Wheat (*) GPH=Graphite Haze (*) B=Specular Black (*) MW=Matte White (Antimicrobial) MB=Matte Black (*) MMS=Matte Metallic Silver (*)	EMBOD=Bodine® Emergency Module with Remote Test Switch (25) EMBOD6ST=Bodine® 6W Self Test Emergency Module with Remote Test Switch EM7=7W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Integral Test Switch (6) (25) IEM80D=Bodine® Emergency Module with Integral Test Switch (6) (25) IEM7=7W Emergency Module with Integral Test Switch (6) IEM14=14W Emergency Module with Integral Test Switch (7) IEM14=14W Low Voltage Emergency Module with Remote Test Switch (8) IEM14=14W Low Voltage Emergency Module with Remote Test Switch (9) EMY14=14W Low Voltage Emergency Module with Remote Test Switch (9) EMY14=14W Low Voltage Emergency Module with Remote Test Switch (9) EMY14=14W Low Voltage Emergency Module with Remote Test Switch (9) EMY15=1 Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) (15)(18) WLST = Factory installed Wavelinx LITE Sensor Kit (15) (17) WLST = Factory installed Wavelinx LITE Sensor Kit (15) (17) WLST = WaveLinx LITE Wireless Node without sensor (25) (25) (3) WPN = WaveLinx LITE Wireless Node without sensor (25) (25) (3) WPN = WaveLinx PRO Wireless Node without sensor (25) (25) (3)

Accessories (Sold separately) (22)								
PRSQ4=Rimless Plaster Ring (2) RKPSQ4=Knife Edge plaster Ring (24)	Connected Lighting Systems (9) (15) (16) (81) WPST=Field installed WaveLinx sensor Kit (18) WLST=Field installed WaveLinx LITE Sensor Kit (17)	Transformers H347=H347 for all selections						
RPMSQ4MW=Rimless Millwork Ring, Matte White ⁽²⁾ RPMSQ4MB=Rimless Millwork Ring, Matte Black ⁽²⁾ RKMSQ4MW=Knife Edge Millwork Ring, Matte White ⁽²⁴⁾ RKMSQ4MB=Knife Edge Millwork Ring, Matte Black ⁽²⁴⁾	Bar Hangers HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair							

- 1. Nominal Lumens will vary depending on selected color. Reference IES files.
- 2. Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
- 3. Not available with Chicago Plenum.
- 4. ULus listed only
- 6. Available with SQW 45 degree trims. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.
- 7. Only available with Matte White and Matte Black Finishes.
- 8. Available only on CS distributions.
- 9. Not available on CS or BA distributions. 10. Product is marked spacing. Reference table on
- 13. Flange is the same finish as the reflector 14. DMX fixtures default to full on upon loss of DMX signal.
- 15. Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
- 17. WLST=WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)
- 18. WPST=WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
- 20. Not required for W2N and D2W
- 21. 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
- 22. Accessories sold separately will be separately analyzed under domestic preference requirements.
- Consult factory for further information. 23. Accessory (Requires knife edge accessory ring)
- 24. Order die cast trim with flange type 4
- 25. Not available for W2N
- 27. IC rated
- 28. Tunable white IC rated with 1000 lumens
- 31. 120V-277V

- 32. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)
- 33. Not available with Lutron drivers
- 35. WLN = WaveLinx LITE 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.

Product Specifications

Lower Shielding Reflector

- Painted die cast aluminum shallow reflector or anodized aluminum reflector with 45° cutoff.
- Anodized reflectors are offered in all Portfolio finishes.
- Reflector is retained with two torsion springs holding the flange tight to the finished ceiling surface.
- Plaster lathing ring, knife edge and millwork ring accessory for flush reflector transition

Optio

- Interchangeable silicone optic in 5° increments from 10°-70° providing smooth beam without color separation
- · Elliptical beams
- Available media holder fits onto optic holder and holds up to two lens media

Trim Retention

 Two torsion springs hold reflector flange tightly to the finished ceiling surface

Plaster Frame/Collar

 Galvanized steel plaster frame with adjustable collar adjusts for up to 2" thick ceilings and rotates+/- 7.5°.

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
- · Lever connectors for simple push in wiring
- Listed for (4) #12 AWG (two in, two out) 90°C conductors and feed thru branch wiring for type IC and Plug in drivers for 120/277V only. For all other cases (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring for 120/277V only

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 convex transitional lens producing even distribution without pixilation
- Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded
- Quick disconnect allows for tool-less replacement of LED engine from below ceiling

Vividtune and BioUp (Available Option)

- · W2N: L70 55,000 hours
- D2W[™] dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.
- W2N Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI. Standard
- BioUp Tunable white CCT range 2700K to 5000K Provides the biological effectiveness of natural sunlight, with color temperatures that are more comfortable for indoor environments

Driver

- Standard 120-277V 0-10V dimming driver provides flicker free dimming from 100% to 1%
- Optional 120V leading edge/0-10V, <1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem
- Driver can be serviced from above or through the aperture
- Distributed low voltage power system combines power, lighting, and controls with ease of installation.
- Optional magnetically guided snap in driver for ease of maintenance.

Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test with remote charge indicator and test switch
- Emergency transfer device (ETRD) senses the loss of power regardless of local control settings allowing emergency power to the fixture.
- UL 924 listed

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 PRO 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 WPN 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. Note: Not compatible with 347V or Chicago plenum.

WaveLinx LITE Tilemount Sensor Kit

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

WaveLinx LITE Wireless Node

WaveLinx LITE WLN 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. **Note:** Not compatible with 347V or Chicago plenum.

WaveLinx Tilemount Sensor Kits Application

- The WPST and WLST tilemount sensor 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 sensor kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- Note: WaveLinx PRO devices are only compatible with the WaveLinx PRO system.
- Note: WaveLinx LITE devices are only compatible with the WaveLinx LITE system.

Code Compliance

- · Thermally protected
- cULus Certified to UL 1598 / C22.2 No. 250.0 suitable for damp locations with covered ceiling
- Optional City of Chicago environmental air (CCEA) marking for plenum applications
- FCC CFR Title 47 Part 15 Class B at 120VAC and Class A at 277VAC
- Insulated ceiling (IC) rated up to 800 lumens (98 CRI & D2W); 1000 lumens (W2N). All others are non-IC rated (insulation must be kept 3" from top and sides of housing).
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting
- · RoHS compliant
- Photometric testing completed in accordance with IES LM-79
- LED life testing completed in accordance with IES LM-80-08 and TM-21-11 standards
- See table on page 3 for marked spacing requirements

Warranty

· Five year warranty www.cooperlighting.com/legal

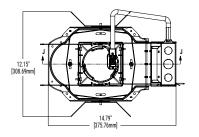
Marked Spacing

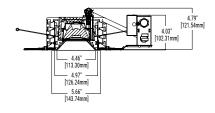
4-inch Marked spacing for W2N								
3000 36 36 0.5								
3500 36 36 8								

4-inch Marked spacing for BioUp							
2000 36 36 0.5							
2500	36	36	8				



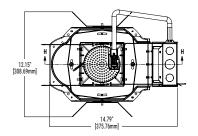
Dimensional and Mounting Details

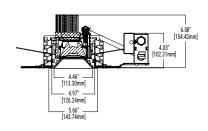




LDSQ4D-4LBCSSQ

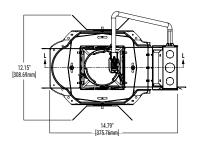
	Min-Max Lumens	Beam Angles
D2W	800-2500	25°-70°
W2N	1000-3000	25°-70°
BioUp	800-2000	25°-70°

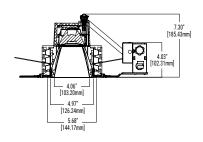




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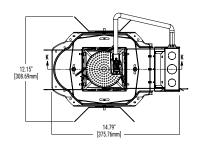
	Min-Max Lumens	Beam Angles
W2N	3500	25°-70°
BioUp	2500	25°-70°

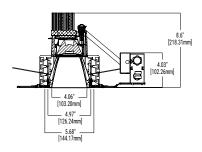




LDSQ4D-4LBSQW

	Min-Max Lumens	Beam Angles
D2W	800-2500	25°-70°
W2N	1000-3000	25°-70°
BioUp	800-2000	25°-70°

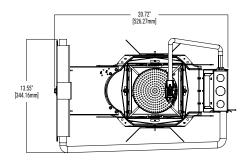




LDSQ4D-4LBSQW

	Min-Max Lumens	Beam Angles
W2N	3500	25°-70°
BioUp	2500	25°-70°

Emergency Option



Trim with E option



Trim with EM6 option



Portfolio

LDSQ4D | EU4D | 4LBSQ - VividTune & BioUp

Energy and Performance Data

D010 DRIVER ENERGY DATA

Series	250 L	umen	500 L	.umen	750 L	.umen	1000	Lumen	1500	Lumen	2000	Lumen
Input Voltage 120-277 VAC	120	277	120	277	120	277	120	277	120	277	120	277
Input Current (A)	0.029	0.017	0.054	0.027	0.065	0.031	0.09	0.045	0.129	0.057	0.194	0.086
Input Power (W)	3.4	3.9	6.5	6.9	7.7	8.1	10.7	11.1	15.5	15.4	23.2	23.1
In-rush (A)	2.1	9.15	2.1	9	2.1	9	2.1	9.1	2.1	9.3		11.1
Inrush duration	250	127	254	128	249	142	255	153	255	236	246	115
THDi (%)	8.2	19.9	7.8	14	8.1	11.2	6.6	9.7	11.5	6.6	9.1	11.1
PF	0.99	0.83	0.99	0.91	0.99	0.93	1.0	0.97	0.99	0.98	0.97	0.97

Series	2500	Lumen	3000	Lumen	3500	Lumen
Input Voltage 120-277 VAC	120	277	120	277	120	277
Input Current (A)	0.23	0.103	0.27	0.128	0.278	0.133
Input Power (W)	27.5	276	32.3	32.5	33.2	34.2
In-rush (A)	2.6	12.5	2.6	12.9	1.1	2.6
Inrush duration	231	197	212	124	59	38
THDi (%)	7.6	8.8	9.1	16.5	7.3	15.9
PF	1.0	0.97	1.0	0.97	1.0	0.93

Minimum starting temperature -30°C (-22°F)* (Nominal input 120-277VAC & 100% of rated output power)

Sound Rating: Class A standards

Notes: Emergency Battery packs are rated for a minimum starting temperature of 0°C .

BIOUP MULTIPLIERS FROM STANDARD 3500K 90CRI

CCT	BioUp Static	BioUp Tunable
2700K	-	0.825
3000K	-	0.813
3500K	0.834	0.834
4000K	0.827	0.827
5000K	0.883	0.883



Connected Systems



WaveLinx LITE - WLST Tilemount Sensor

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- · 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









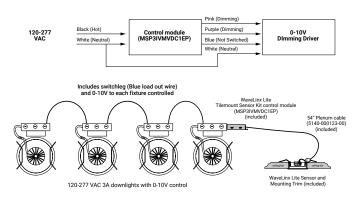








WaveLinx LITE WLST Tilemount Wiring Diagram



WaveLinx LITE Bluetooth Enabled System





WaveLinx PRO Wireless - WPST Tilemount Sensor

WaveLinx PRO devices only compatible with the WaveLinx PRO system.





- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations



WaveLinx mobile app settings











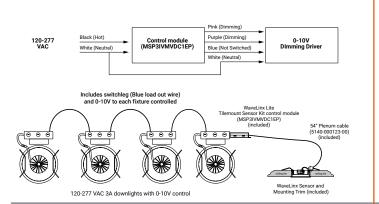




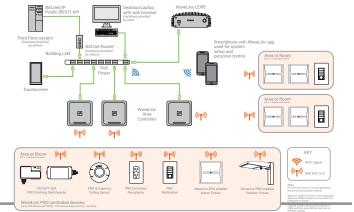




WaveLinx PRO WPST Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions



WaveLinx LITE Wireless Node - WLN

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- · 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
- Refer to the WaveLinx system specifications for details
- · Not available with BioUp or Tunable White

WaveLinx mobile app settings









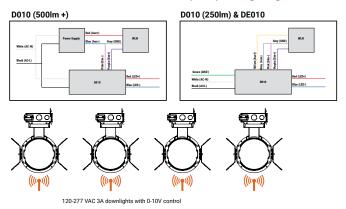








WaveLinx LITE Wireless Node (WLN) Wiring Diagram



WaveLinx LITE Bluetooth Enabled System

WaveLinx PRO Wireless Node - WPN

WaveLinx PRO devices only compatible with the WaveLinx PRO system.

- · 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



WaveLinx mobile app settings









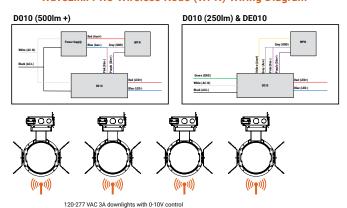




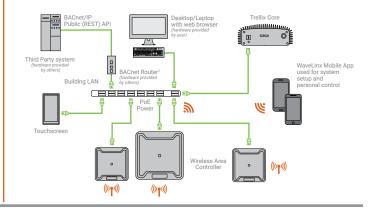




WaveLinx PRO Wireless Node (WPN) Wiring Diagram



WaveLinx CORE Building Management Integration



Proven Research. Industry Recognized.











See BioUp brochure for more details



ANSI/IES RP-46-23 / TM18 published March 2024 based on over 40 years of research.

"...circadian clock synchronization is paramount to the body's efficient and appropriate functioning." - TM18



BioUp solutions maximize WELL points for Circadian Lighting Design (L03):



275 EML 250 Lux M-EDI

Use BioUp to achieve Equivalent Melanopic Lux (EML) thresholds for circadian design and earn nearly 20% of WELL building lighting points



MDER, M-EDI and EML are key metrics used to quantify non-visual performance of indoor lighting systems.



See BioUp white paper for more details

30% boost Biological impact

compared to traditional LED sources

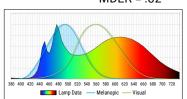
ССТ	LED @ ~83 CRI	BioUp Static		BioUp Dynamic	
CCI	LED @ ~63 CKI	MDER	CRI	MDER	CRI
2700K	0.45	-	-	0.43	95
3000K	0.50	-	-	0.57	94
3500K	0.57	0.71	90	0.71	90
4000K	0.65	0.84	87	0.84	87
5000K	0.79	1.00	84	1.00	84

MDER - Melanopic Daylight Efficacy Ratio (MDER) measures the amount of light stimulating to the melanopsin receptors.

Standard 4000K LED MDER = .62

180 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720

BioUp 4000K LED MDER = .82



BioUp enhances the LED spectrum with cyan light at 475nm increasing the biological impact of the light to enhance our circadian rhythm which regulates our sleep/wake cycle, daytime engagement, and mood -

all without distorting visual color impression.

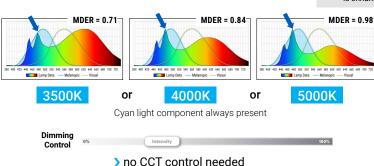
Static (non-tunable)

Static BioUp is used when simple Melanopic Lighting is desired at all times.

Arrow in graph shows BioUp spectrum boost is at 475nm where nonvisual biological response is enhanced.

Dynamic - (Tunable)

Dynamic BioUp is used when Melanopic Lighting is desired to adjust during the day.



Evening **Daytime** MDER = 0.43 MDER = 0.98 Cooler Light With Warmer CCT Without Cvan content Cvan content 2700K - 5000K ССТ Control Dimmina

> Control with Wavelinx, 2ch 0-10V, or DALI

LDSQ4D | EU4D | 4LBSQ - VividTune & BioUp

Multi-line Order Information

SAMPLE ORDER NUMBER: LDSQ4D08D2WD010



Invoice will indicate separate fixture components (housing, trim, module) and may ship from multiple CLS facilities in separate cartons.

Domestic Preferences (1)	Housing		Lumens (2)	_	Color Control
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	LDSQ4D=LED Square Downlight 4" Nominal Aperture LDSQ4DCP=LED Square Downlight 4" Nominal Aperture, Chicago Plenum	08 =800 lumens ⁽³³⁾ 10 =1000 lumens ⁽³⁴⁾ 15 =1500 lumens	20 =2000 lumens 25 =2500 lumens	30 =3000 lumens ⁽³⁾ 35 =3500 lumens ⁽³⁾	Blank=W2N (1000-3500 lumens) or BioUp (800-2500 lumens) D2W=Dim to warm (800-2500 lumens)

Voltage	Driver
Dim-to Warm Blank=120-277V 800 lumens 1=120V 1000-2500 lumens 2=277V 1000 to 2500 lumens 3=347V (D010 driver 800-2500 lumens) Limited to 800 lumens with remote drver	Dim-to Warm D010=0-10V 1% dimming D010TR=0-10V or (120V) phase cut 1% dimming DE010=0-10V linear 0.1% dimming DSLT=DALI T6 Logarithmic 0.1% Dimming DMX=DMX/RDM Logarithmic 0.1% Dimming (9) DMXC5=DMX/RDM Logarithmic 0.1 % Dimming with RJ45 connection (5) DLE=Lutron Ecosystem 1-100% dimming DLYP=Low voltage dimming 1-100% for use with DLVP system (9)
Tunable White Blank=1000 lumens 1=120V 1500-3500 lumens 2=277V 1500-3500 lumens 3=347V Step down transformer (Limited to 1000 lumens with remote driver)	Tunable White DE010W2N2765=0-10V 0.1% Dimming, 2700-6500K DE010W2N2050=0-10V 0.1% Dimming, 2000-5000K D5LTW2N2765=DALI T6 0.1% Dimming, 2700-6500K D5LTW2N2050=DALI T6 0.1% Dimming, 2000-5000K
BioUp Tunable White Blank=800 lumens 1=120V 1000-2500 lumens 2=277V 1000-2500 lumens 3=347V Step down transformer (Limited to 800 lumens with remote driver)	BioUp Tunable White DE010B2750=0-10V 0.1% dimming, tunable white 2700-6500K DE010B35= 0-10V 0.1% dimming, static white 3500K DE010B40= 0-10V 0.1% dimming, static white 4000K DE010B50= 0-10V 0.1% dimming, static white 5000K DSLTB2750=DALI T6 0.1% dimming, tunable white 2700-6500K DSLTB35= DALI T6 0.1% dimming, static white 3500K DSLTB40= DALI T6 0.1% dimming, static white 3500K DSLTB50= DALI T6 0.1% dimming, static white 3000K

Driver Options	Options (6) (29) (30) (32)			
Blank=Integral driver R=Remote driver (order remote driver separately) (6) PD=Plug in Driver	EMBOD=Bodine® Emergency Module with Remote Test Switch (10) EMBOD6ST=Bodine® 6W Self Test Emergency Module with Remote Test Switch EMT=7W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Remote Test Switch EM14RSD = 14W Self Diagnostic Replaceable Emergency Battery Pack with Integral Test Switch EMBOD7ST=Bodine® Self Test Emergency Module (10) IEMBOD=Bodine® Emergency Module with Integral Test Switch (12) IEMT=7W Emergency Module with Integral Test Switch (12) IEM14=14W Emergency Module with Integral Test Switch (12)	IEM14RSD =14W Self Diagnostic Replaceable Emergency Battery Pack with Remote Test Switch (**2*) IEMB006ST =Bodine* 6W Self Test Emergency Module with Integral Test Switch EM77=7W Low Voltage Emergency Module with Remote Test Switch (**7*) EM714=14W Low Voltage Emergency Module with Remote Test Switch (**7*) ETRD=Emergency transfer device (**3**) WPST=Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) (**1) (**12**) WLST=Factory installed WaveLinx LITE Sensor Kit (**1) (**12**)		

SAMPLE ORDER NUMBER: EU4DR3508259030D2W

Domestic Preferences (1)	Power Module	Optics	Lumen Levels (2)	Color		
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act EU4D=4-inch Universal R35=35' R35=35' R40=40'		R25=25° R30=30° R35=35° R40=40° R45=45°	BioUp 35= Static 3500K 40=Static 4000K 1020B=1000, 1500, 2000 lumens (8) 2500B=2500 lumens (3) 2750=BioUp Tunable White 2700K-5000K			
	R50=50° R55=55°		0=50°			
		R60=60° R65=65° R70=70°	Tunable white 1030W2N902765=1000, 1500, 2000, 2500, 3000 lumens, 90 CRI, tunable white 2700K-6 1030W2N902050=1000, 1500, 2000 , 2500, 3000 lumens, 90 CRI, tunable white 2000K-5 35W2N902765=3500 lumens, 90 CRI, tunable white 2700K-6500K (3) 35W2N902050=3500 lumens, 90 CRI, tunable white 2000K-5000K (3)			



Multi-line Order Information

SAMPLE ORDER NUMBER: 4LBSQW1LI

Trim	Reflector	Flange	ı	Finish	Options
4LB=4" LED	SQW =Square 45° Cutoff Anodized Aluminum CSSQ=Cast Shallow Square, Die Cast Aluminum (17)	0=White polymer trim ring 1=Self flanged (18) 2=White painted self flanged 4=Knife edge rimless use with die cast only (19)	LI=Specular Clear (20) H=Semi-Specular Clear (20) WMH=Warm Haze (20) WH=Wheat (20) GPH=Graphite Haze (20)	B=Specular Black (20) MW=Matte White MB=Matte Black (21) MMS=Matte Metallic Silver (21)	E=Integral Emergency Test Switch Hole, for use with IEM7, IEM14, IEMBDD (22) EM6=Integral Emergency Test Switch Hole, for use with IEMBOD6ST (22)

REQUIRED if Remote Driver (R) is specified

SAMPLE ORDER NUMBER: RD10010D010TREM7

Remote Drivers (6)	Lumens (2)	Color Control
RD100 =Remote 100ft (9)	08=800 lumens (33)	[Blank]=W2N or BioUp
RD75=Remote 75ft (9)	10=1000 lumens (34)	D2W=Dim to warm
RD50=Remote 50ft (9)		
RD25=Remote 25ft		
RD15=Remote 15ft		
RD5=Remote 5ft		
RD2=Remote 2ft		

Voltage	Driver
Dim-to Warm Blank=120-277V 800 lumens 3=347V (D010 driver 800 lumens)	Dim-to Warm D010=0-10V 1% dimming D010TR=0-10V or (120V) phase cut 1% dimming DE010=0-10V linear 0.1% dimming D5LT=DALI T6 Logarithmic 0.1% Dimming DMX=DMX/RDM Logarithmic 0.1% Dimming (8) DMXC5=DMX/RDM Logarithmic 0.1% Dimming with RJ45 connection (9) DLE=Lutron Ecosystem 1-100% dimming DLVP=Low voltage dimming 1-100% for use with DLVP system (6)
Tunable White Blank=1000 lumens 3=347V Step down transformer (1000 lumens)	Tunable White DE010W2N2765=0-10V 0.1% Dimming, 2700-6500K DE010W2N2050=0-10V 0.1% Dimming, 2000-5000K DSLTW2N2765=DALI T6 0.1% Dimming, 2700-6500K DSLTW2N2050=DALI T6 0.1% Dimming, 2000-5000K
BioUp Tunable White Blank=800 lumens 3=347V Step down transformer (800 lumens)	BioUp Tunable White DE010B2750=0-10V 0.1% dimming, tunable white 2700-6500K DE010B35= 0-10V 0.1% dimming, static white 3500K DE010B40= 0-10V 0.1% dimming, static white 4000K DE010B50= 0-10V 0.1% dimming, static white 5000K DE1TB2750=DALI T6 0.1% dimming, tunable white 2700-6500K DSLTB2750=DALI T6 0.1% dimming, static white 3500K DSLTB35= DALI T6 0.1% dimming, static white 3500K DSLTB40= DALI T6 0.1% dimming, static white 4000K DSLTB50= DALI T6 0.1% dimming, static white 5000K

Opt	Controls (6) (29) (30) (32)	
EMBOD=Bodine® 7W Emergency Module with Remote Test Switch (10) EMBOD6ST=Bodine® 6W Self Test Emergency Module with Remote Test Switch EMT=7W Emergency Module with Remote Test Switch EM14=14W Emergency Module with Remote Test Switch	EMB0D7ST=Bodine® 7W Self Test Emergency Module with Remote Test Switch (10) EMV7=7W Low Voltage Emergency Module with Remote Test Switch (7) EMV14=14W Low Voltage Emergency Module with Remote Test Switch (7) ETRD=Emergency transfer device (31)	WPST=Factory installed Wavelinx (includes control module, sensor, cable, tilemount and ceiling mount sensor) (11) (13) WLST=Factory installed WaveLinx LITE Sensor Kit (11) (12) WPN = WaveLinx PRO Wireless Node without sensor (10) (15) WLN = WaveLinx LITE Wireless Node without sensor (25)



Multi-line Order Information

	Accessories (Order separately) (25)	
Proof D. L. Di e D. (00)		
PRSQ4=Rimless Plaster Ring (26) RKPSQ4=Knife Edge plaster Ring (27)	Connected Lighting Systems (6) (11) (29) (30) (32) WPST=Field installed WaveLinx sensor Kit (13)	<u>Optics</u> 46R25=25°
That OQ 1 Name Lage places name	WLST=Field installed WaveLinx LITE Sensor Kit (12)	46R30 = 30°
RPMSQ4MW=Rimless Millwork Ring, Matte White (26)		46R35 = 35°
RPMSQ4MB=Rimless Millwork Ring, Matte Black (26) RKMSQ4MW=Knife Edge Millwork Ring, Matte White (27)	Bar Hangers HB26 =C-channel Bar Hanger, 26" Long, Pair	46R40 = 40° 46R45 = 45°
RKMSQ4MB=Knife Edge Millwork Ring, Matte Black (27)	HB50=C-channel Bar Hanger, 50" Long, Pair	46R50 = 50°
	RMB22=Wood Joist Bar Hanger, 22" Long, Pair	46R55 = 55°
	Transformers	46R60 = 60° 46R65 = 65°
	H347=H347 for ALL SELECTIONS	46R70 = 70°

- Notes:
 2. Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference IES files.
- 3. Product is marked spacing. Reference table on page 4 for the spacing
- 5. DMX fixtures default to full on upon loss of DMX signal.
- 6. Not available with Chicago Plenum.
- 7. ULus listed only
- 8. Marked spacings for 2000 lumens
- 9. Not available with Lutron drivers 10. Not available for W2N
- 11. Refer to system specifications for additional information, features. and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
- 12. WLST=WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx LITE system specifications)
- 13. WPST=WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS Real Time Location Services, use with 0-10V

- 15. 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.
- 18. Flange is the same finish as the reflector
- 19. Requires knife edge ring accessory.
- 20. Anodized or spun reflectors
- 21. Die cast only
- **22.** Available with SQW 45 degree trims. Required for use with all IEMBOD, IEM7, IEM14,IEMV7 and IEMV14 housings. Not offered with remote driver.
- 25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- **26.** Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
- 27. Order die cast trim with flange type 4
- Order with self flanged trim.
 If using remote driver order battery and controls with the remote driver.
 120V-277V
- 31. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)

- 32. Non-IC 33. D2W and BioUp IC
- 34. Tuneable white IC rated for 1000 lumens
 35. WLN = WaveLinx LITE 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.

