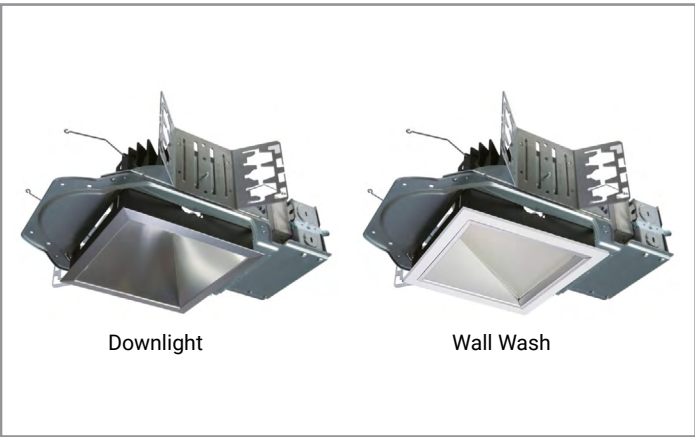


Project		Catalog #		Type	
Prepared by		Notes		Date	



Portfolio

LDSQ6C | EU6C | 6LBSQ

6" Square, New Construction Downlight and Wall Wash
250-15,000 Lumens

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

- 
Interactive Menu
- Order Information [page 2](#)
 - Product Specifications [page 4](#)
 - Dimensional & Mounting Details [page 5](#)
 - Energy Data [page 6](#)
 - Photometric Data [page 7](#)
 - Connected System [page 10](#)
 - Product Warranty

Product Certification







Control Compatibility




Product Features

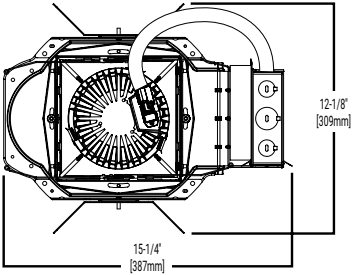




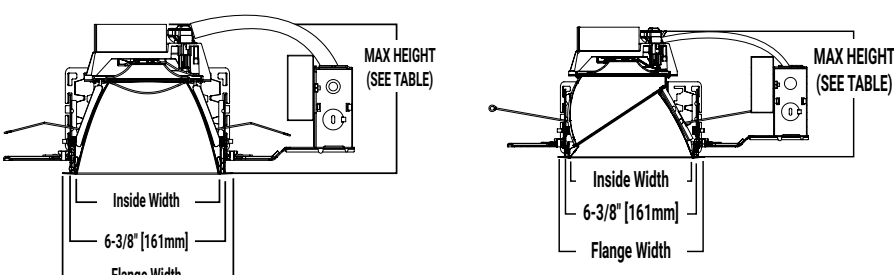
- Top Product Features**
 - 250-15,000 lumens; Offered in 90, 97 and 98 CRI; ENERGY STAR® qualified
 - Optional snap in driver for ease of replacement; Die-cast or anodized aluminum reflectors
 - Standard 0-10V driver dims to 1%; Easy disconnect for LED engine replacement and installation
 - 2400K, 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
 - W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K

Dimensional and Mounting Details

DOWNLIGHT



WALL WASH




[CLICK HERE dimension information](#)

Single Line Order Information

SAMPLE ORDER NUMBER: **LDSQ6C109030D010SQ1LI**

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.

Multi-line Ordering
Information Option

Housing	Lumen ⁽¹⁾				Color Control	CCT ⁽²⁰⁾	
LDSQ6C =LED Square Downlight 6" Nominal Aperture	02 = 250 lumens, IC rated	20 = 2000 Lumens	55 = 5500 Lumens ⁽¹⁰⁾	100 = 10,000 Lumens ⁽¹⁰⁾	90 =90 CRI Minimum	90 CRI	97 CRI
LDSQ6CCP =LED Square Downlight 6" Nominal Aperture, Chicago Plenum	05 = 500 lumens, IC rated	25 = 2500 lumens	60 = 6000 Lumens ⁽¹⁰⁾	110 = 11,000 Lumens ⁽¹⁰⁾	97 =97 CRI Minimum	24 =2400K	27 =2700K
	08 = 800 lumens, IC rated	30 = 3000 Lumens	65 = 6500 Lumens ⁽¹⁰⁾	120 = 12,000 Lumens ⁽¹⁰⁾		27 =2700K	30 =3000K
	10 = 1000 Lumens	35 = 3500 lumens	70 = 7000 Lumens ⁽¹⁰⁾	130 = 13,000 Lumens ⁽¹⁰⁾		30 =3000K	
	10IC = 1000 Lumens, IC rated	40 = 4000 Lumens	75 = 7500 Lumens ⁽¹⁰⁾	150 = 15,000 Lumens ⁽¹⁰⁾		35 =3500K	
	15 = 1500 Lumens	45 = 4500 Lumens ⁽¹⁰⁾	80 = 8000 Lumens ⁽¹⁰⁾			40 =4000K	
	15IC = 1500 Lumens, IC rated	50 = 5000 Lumens ⁽¹⁰⁾	90 = 9000 Lumens ⁽¹⁰⁾			50 =5000K	

Driver	Specify from Driver column. Information below for reference only.	Driver Options	Hanger Bars
	Remote driver & plug in driver		
D010 =0-10V Dimming, 1% to 100%, 120V-277V, up to 7000 lumens (up to 3000 lumens for remote driver) 1D010 =0-10V Dimming, 1% to 100%, 120V, 7500 lumens & above (3500 to 7000 lumens for remote driver) 2D010 =0-10V Dimming, 1% to 100%, 277V, 7500 lumens & above (3500 to 7000 lumens for remote driver) 3D010 =0-10V Dimming, 1% to 100%, 347V dedicated drivers, 800-4000 lumens; 250, 500, 4500 & above use step down transformer (250 to 7000 lumens for remote driver)	250-7000	Blank = Integral driver RC100 = Remote 100ft ^{(3) (24)} RC75 = Remote 75ft ^{(3) (24)} RC50 = Remote 50ft ^{(3) (24)} RC25 = Remote 25ft ⁽³⁾ RC15 = Remote 15ft ⁽³⁾ RC5 = Remote 5ft ⁽³⁾ RC2 = Remote 2ft ⁽³⁾ PD = Plug in Driver	Blank = Without hanger bars B26 = C-channel Bar Hanger, 26" Long, Pair
D010TR =0-10V (120-277V) or Line Voltage (120V) dimming, 5-100%, 250- 4500 lumens (up to 3000 lumens for remote driver) 1D010TR =0-10V or Line Voltage Dimming, 5% to 100%, 120V, 5000-9000 & 13,000 lumens (3500 to 4500 lumens for remote driver) 2D010TR =0-10V Dimming, 5% to 100%, 277V, 5000-9000 & 13,000 lumens (3500 to 4500 lumens for remote driver) 3D010TR =0-10V Dimming, 5% to 100%, 347V step down transformer, 250-9000 & 13,000 lumens (250 to 4500 lumens for remote driver)	250-4500		
DE010 =0-10V Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver) 1DE010 =0-10V Dimming, 0% to 100%, 120V, 7500 lumens & above (3500 to 7000 lumens for remote driver) 2DE010 =0-10V Dimming, 0% to 100%, 277V, 7500 lumens & above (3500 to 7000 lumens for remote driver) 3DE010 =0-10V Dimming, 0% to 100%, 347V step down transformer, 500-15,000 lumens (500 to 7000 lumens for remote driver)	500-7000		
D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver) 1D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V, 7500 lumens & above (3500 to 7000 lumens for remote driver) 2D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V, 7500 lumens & above (3500 to 7000 lumens for remote driver) 3D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100% 347V step down transformer, 500-15,000 lumens (500 to 7000 lumens for remote driver)	500-7000		
DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4500 lumens (up to 3000 lumens for remote driver) ⁽¹⁴⁾ 1DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-9000 & 13,000 lumens (3500 to 4500 lumens for remote driver) ⁽¹⁴⁾ 2DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-9000 & 13,000 lumens (3500 to 4500 lumens for remote driver) ⁽¹⁴⁾ 3DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-9000 & 13,000 lumens (800 to 4500 lumens for remote driver) ⁽¹⁴⁾	800-4500		
DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4500 lumens, RJ45 Connection (up to 3000 lumens for remote driver) ⁽¹⁴⁾ 1DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-9000 & 13,000 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) ⁽¹⁴⁾ 2DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-9000 & 13,000 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) ⁽¹⁴⁾ 3DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-9000 & 13,000 lumens, RJ45 Connection (800 to 4500 lumens for remote driver) ⁽¹⁴⁾	800-4500		
DLE =Lutron Ecosystem dimming 1% to 100%, 120V-277V, 800-3500 lumens (up to 3000 lumens for remote driver) 1DLE =Lutron Ecosystem dimming 1% to 100%, 120V, 4000-7500 lumens (3500 lumens for remote driver) 2DLE =Lutron Ecosystem dimming 1% to 100%, 277V, 4000-7500 lumens (3500 lumens for remote driver) 3DLE =Lutron Ecosystem dimming 1% to 100%, 347V step down transformer, 800-7500 lumens (800-3500 lumens for remote driver)	800-3500		
DLV = Low voltage dimming driver (1-100%) for use with DLVP system 800-3000 lumens ⁽³⁾	800-3000 (Remote driver only)		

Trim Distribution ⁽³⁾	Trim Flange	Trim Finish	Options ^{(3) (16) (24)}
SQ =Medium beam, 50° cutoff SQW =Medium beam, 45° cut off CSSQ =Cast Shallow Square, Die Cast Aluminum ⁽⁷⁾ Wall Wash SQLWW = lensed wall wash	0 =White Polymer Trim Ring ⁽²⁸⁾ 1 =Self-flanged ⁽¹¹⁾ 2 =White Painted Self-flanged 4 =Knife edge rimless use with die cast only ^{(8) (14)}	LI =Specular Clear ⁽⁹⁾ H =Semi-Specular Clear ⁽⁹⁾ WMH =Warm Haze ⁽⁹⁾ WH =Wheat ⁽⁹⁾ GPH =Graphite Haze ⁽⁹⁾ B =Specular Black ⁽⁹⁾ MW =Matte White (Antimicrobial) MB =Matte Black ⁽⁹⁾ MMS =Matte Metallic Silver ⁽⁹⁾	EMB0D =Bodine® Emergency Module with Remote Test Switch ⁽²⁰⁾ EMB0D6ST =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 EMB0D7ST =Bodine® Self Test Emergency Module ⁽²⁰⁾ IEMB0D =Bodine® Emergency Module with Integral Test Switch ^{(4) (20)} IEMB0D6ST =Bodine® 6W Self Test Emergency Module with Integral Test Switch ⁽⁴⁾ IEM7 =7W Emergency Module with Integral Test Switch ⁽⁴⁾ IEM14 =14W Emergency Module with Integral Test Switch ⁽⁴⁾ EMV7 =7W Low Voltage Emergency Module with Remote Test Switch ⁽⁴⁾ EMV14 =14W Low Voltage Emergency Module with Remote Test Switch ⁽⁴⁾ ETRD =Emergency transfer device ⁽²⁵⁾ WPST = Factory installed WaveLinX PRO Sensor Kit ^{(13) (15)} WLST = Factory installed WaveLinX LITE Sensor Kit ^{(13) (14)} WPN = WaveLinX PRO Wireless Node without sensor ^{(27) (30)} WLN = WaveLinX LITE Wireless Node without sensor ^{(29) (30)}

Continued on next page.

Single Line Order Information

Accessories (Sold separately) ⁽²³⁾		
LGSKT6SQIP66=IP66 Gasket Kit PRSQ6 = Rimless Plaster Ring ⁽²⁾ RKPSQ6 = Knife Edge plaster Ring ⁽¹⁹⁾ RPMSQ6MW = Rimless Millwork Ring, Matte White ⁽²⁾ RPMSQ6MB = Rimless Millwork Ring, Matte Black ⁽²⁾ RKMSQ6MW = Knife Edge Millwork Ring, Matte White ⁽¹⁹⁾ RKMSQ6MB = Knife Edge Millwork Ring, Matte Black ⁽¹⁹⁾	Bar Hangers HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair Connected Lighting Systems ^{(3) (13)} WPST = Field installed WaveLinX PRO Sensor Kit ⁽¹⁴⁾ WLST = Field installed WaveLinX LITE Sensor Kit ⁽¹⁵⁾	Transformers H347=H347 for 90/97CRI 5500 lumens and below; 98CRI 4000 lumens and below; D2W 4500 lumens and below; W2N 4000 lumens and below H347200=347 to 120V Step Down Transformer, 200VA

- Notes:**

1. Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. Reference [Multiplier tables](#).

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

5. Beam angles are nominal with LI finish trims.

6. Available with SQ and SQW open anodized Aluminum trims. Required for use with all IEMBOD, IEMBOD6ST, IEM7, IEM14, IEMV7 and IEMV14 housings. Not offered with remote driver.

7. Only available with Matte White, Matte Black and Matte Metallic Silver finishes.

8. Available only on CS distributions.

9. Not available on CS distributions.

10. Product is marked spacing. [Reference table on page 4.](#)

11. Flange is the same finish as the reflector

12. DMX fixtures default to full on upon loss of DMX signal.
13. Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.

14. WLST = WaveLinX LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX LITE system specifications)

15. WPST = WaveLinX wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.

17. Limited to 1000 lumens with remote driver

18. Requires knife edge accessory ring.

19. Order die cast trim with flange type 4

20. Not available for W2N or 6500-7000 lumens with 90 and 97 CRI

22. Not available with 5500, 6500, 7500.

21. Available with remote driver only.

22. Limited to 2000 lumens

23. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

24. 120V-277V
25. Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others)

26. Not available with Lutron drivers

27. 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 D010 or DE010 drivers only.

28. Not available with CSSQ Cast Shallow Square, Die Cast Aluminum reflector

29. 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 D010 or DE010 drivers only.

30. Not compatible with 347V or Chicago plenum.

Product Specifications

Lower Shielding Reflector

- Painted die cast aluminum or anodized aluminum lower reflector with medium beam or medium beam 45° cutoff with a lensed upper optical chamber providing superior lumen output with minimal source brightness.
- 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

Wall Wash Reflector

- Lensed Wall Wash** - Angle cut aluminum lower reflector in combination with spread lens provides even vertical illumination with minimal downlight.

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
- 90 and 97 CRI
- 90 & 97CRI: L78 55,000 hours for 1000-2000 lumens, L90 55,000 for all other lumen output
- Color variation within 2-step MacAdam ellipses
- Available in 2400K, 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)

Vividthune and High CRI

- 98 CRI and 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
- 98 CRI** With a full-spectrum approach using broad-blue chip technology and special phosphor blends, Thrive is able to closely match the spectrum of the sun across all color temperatures. Benefits of the natural spectrum of the sun using Thrive include superior accurate color rendering, reduced eye strain, and a higher sense of emotional well-being.
- See dedicated specification sheet for more details.

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 (self-diagnostic) with remote charge indicator and test switch
- Emergency Transfer Relay Device bypasses local control during a power outage
- 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 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.
- 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 wet locations with downlight; damp location with wall wash and hyperbolic with covered ceiling
- IP66 rated when used with IP66 gasket kit accessory
- 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 1,500 lumens (90 and 97CRI). 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

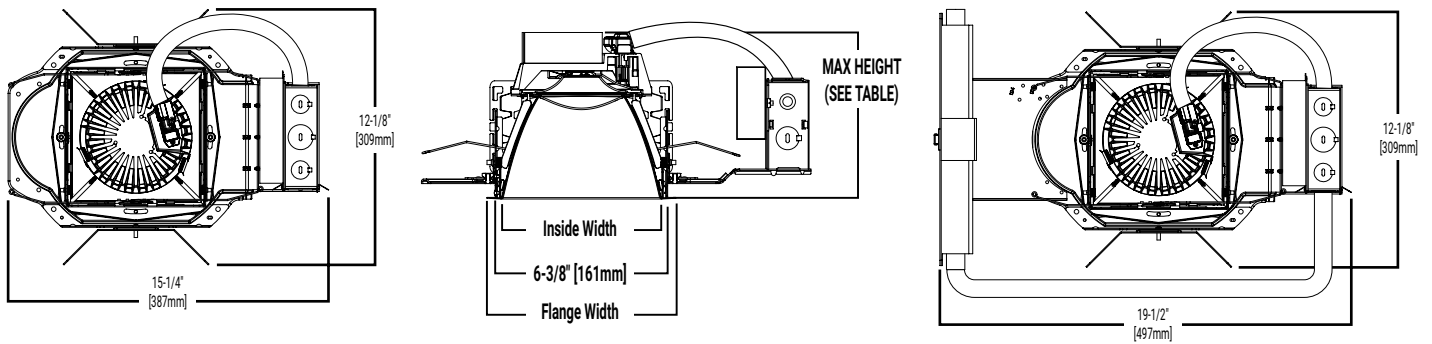
- Five year warranty www.cooperlighting.com/legal

Marked Spacing

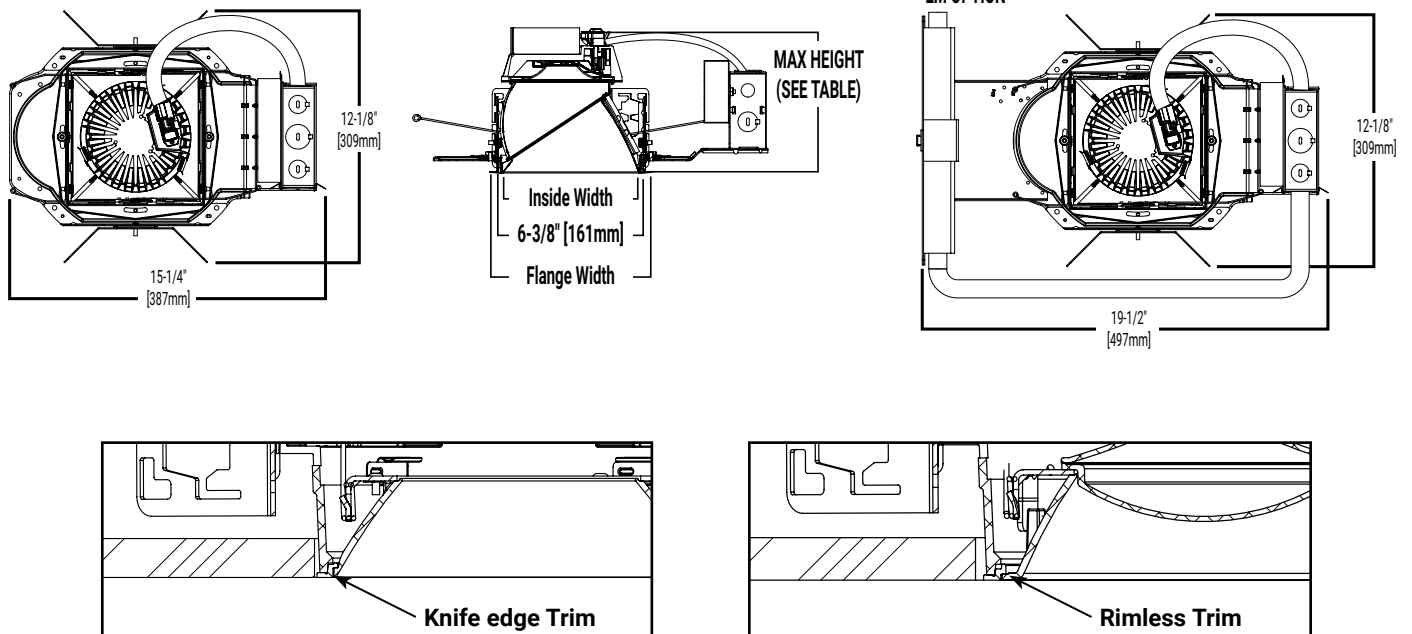
6-inch Marked spacing for 90 and 97 CRI			
4500-6000	36	36	6
6500-15,000	36	36	8

Dimensional and Mounting Details

DOWNLIGHT



WALL WASH



CATALOG #	Flange WIDTH [IN]	INSIDE WIDTH [IN]	MAX HEIGHT				
			250-2500 LUMENS (90/97CRI)	3000-4000 LUMENS (90/97CRI)	1000-1500IC LUMENS (90/97CRI) 4500-6000 LUMENS (90/97CRI)	6500-7000 LUMENS (90/97CRI) 4000-8000 LUMENS (90/97CRI)	9000-15000 LUMENS (90/97CRI)
6LBSQ	7.18	5.97	6.1	6.3	6.5	7.5	9.5
6LBCSSQ	7.17	5.98	5.6	5.6	5.6	5.6	6.6
6LBSQW	7.18	5.5	6.8	6.9	7.1	8.1	10.1
6LBSQLWW	7.18	6.02	6.2	6.4	6.6	7.6	9.6

Energy and Performance Data

D010 DRIVER ENERGY DATA

Series	250 lumen		500 lumen		800 lumen		1000 lumen		1500 lumen		2000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.029	0.017	0.061	0.032	0.085	0.041	0.084	0.042	0.135	0.063	0.189	0.084
Input Power (W)	3.45	3.87	7.33	7.78	10.15	10.52	10.04	10.43	16.17	16.56	22.58	22.63
In-rush (A)	2.1	8.5	3.7	8.5	3.6	8.3	3.6	8.4	2.3	9.5	2.1	9.7
Inrush duration (µs)	250	131	190	136	220	135	226	136	230	125	243	132
THDi (%)	7.21	16.92	7.82	10.78	5.57	9.63	7.78	9.24	4.75	9.93	8.03	7.44
PF	≥ 0.98	≥ 0.9	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen		5000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.276	0.121	0.276	0.121	0.333	0.152	0.404	0.181	0.421	0.192	0.491	0.216
Input Power (W)	32.98	32.57	32	32.57	39.83	39.84	48.38	47.94	50.22	50.17	58.69	58.01
In-rush (A)	2.5	11.8	3.6	11.8	3.1	14.3	3.1	14.5	5.6	22.6	5.6	22.6
Inrush duration (µs)	215	111	220	111	200	94	197	95	215	120	213	135
THDi (%)	9.86	6.57	5.57	6.57	4.25	10.05	5.02	7.97	6.12	8.35	8.51	7.92
PF	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.96

Series	5500 lumen		6000 lumen		6500 lumen		7000 lumen		7500 lumen		8000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.526	0.231	0.542	0.256	0.572	0.266	0.632	0.292	0.668	0.306	0.734	0.332
Input Power (W)	62.97	61.97	64.88	65.7	68.35	69.02	75.56	75.85	79.89	80.09	88.01	87.81
In-rush (A)	5.1	23.1	6.2	27.5	6.3	28.4	6.4	29.1	6.4	28.7	6.3	29.7
Inrush duration (µs)	217	138	188	101	189	92	187	90	185	100	187	123
THDi (%)	9.42	7.16	4.33	11.86	4.38	11.33	4.84	10.32	4.46	9.85	3.92	8.92
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

Series	9000 lumen		10000 lumen		11000 lumen		12000 lumen		13000 lumen		15000 lumen	
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.842	0.374	0.961	0.416	1.09	0.49	1.192	0.512	1.263	0.561	1.446	0.624
Input Power (W)	101.12	99.88	114.86	113.66	130.27	127.6	142.59	140.17	151.68	149.82	172.29	170.51
In-rush (A)	12.9	28.6	11.4	40.3	11.5	40.2	11.5	41.2	19.2	43.1	17.2	40.4
Inrush duration (µs)	170	97	248	124	233	118	246	114	170	97	240	125
THDi (%)	5.74	9.28	7.42	8.55	6.08	13.13	5.7	7.3	5.74	7.58	5.86	8.56
PF	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.98	≥ 0.99	≥ 0.9	≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.98

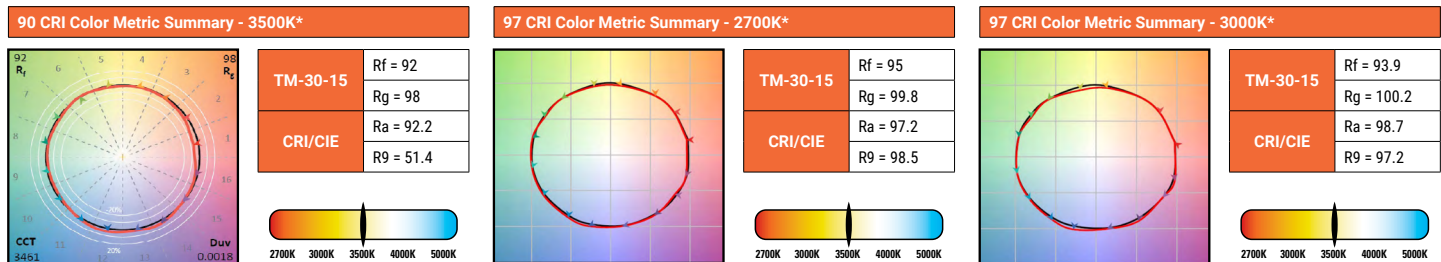
Minimum starting temperature -30°C (-22°F)*
(Nominal input 120-277VAC & 100% of rated output power)

Sound Rating: Class A standards

Notes:

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

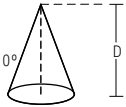
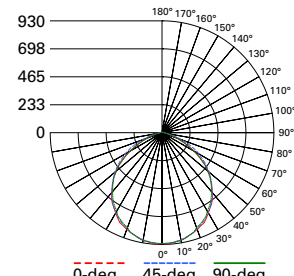
COLOR METRICS - TM-30-15 & CRI/CIE

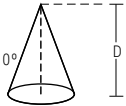
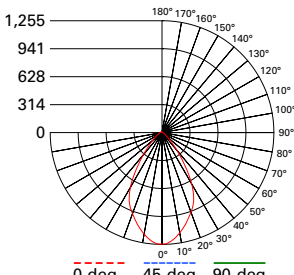
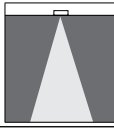


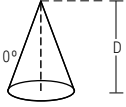
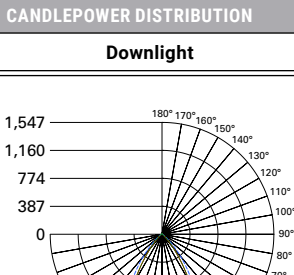
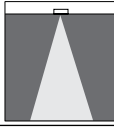
* Color values are based on haze reflector, other finishes and field results may vary.

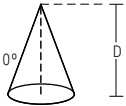
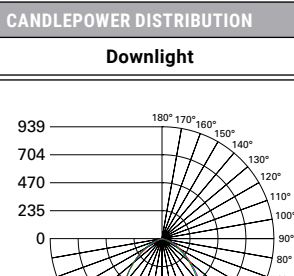
Photometric Data

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MEDIUM/WIDE 65° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571671	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>58.2</td><td>4.8</td><td>4.8</td></tr><tr><td>7'</td><td>19</td><td>8.6</td><td>8.4</td></tr><tr><td>9'</td><td>11.5</td><td>11</td><td>10.8</td></tr><tr><td>13'</td><td>5.5</td><td>15.8</td><td>15.6</td></tr><tr><td>16'</td><td>3.6</td><td>19.6</td><td>19.4</td></tr></table>		D	FC	L	W	4'	58.2	4.8	4.8	7'	19	8.6	8.4	9'	11.5	11	10.8	13'	5.5	15.8	15.6	16'	3.6	19.6	19.4	0	926	0-30	713	31.9	37	37396
D	FC	L	W																																	
4'	58.2	4.8	4.8																																	
7'	19	8.6	8.4																																	
9'	11.5	11	10.8																																	
13'	5.5	15.8	15.6																																	
16'	3.6	19.6	19.4																																	
Module	EU6C10259035					5	926	0-40	1158	51.8	45	34933																								
Trim	6LBSSQMW					15	885	0-60	1969	88.1	55	30251																								
Lumens	2236					25	829	0-90	2236	100	65	19347																								
Efficacy	102.6 Lm/W					35	720	90-180	0	0	75	4541																								
SC	1.22					45	574	0-180	2236	100	85	0																								
UGR	25.2					55	403																													
						65	190																													
						75	27																													
						85	0																													
						90	0																													

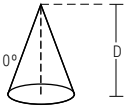
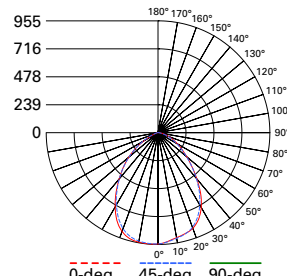
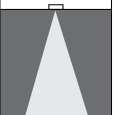
MEDIUM/WIDE 50° CUTOFF 60° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571672	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>78.4</td><td>3.6</td><td>3.6</td></tr><tr><td>7'</td><td>25.6</td><td>6.4</td><td>6.4</td></tr><tr><td>9'</td><td>15.5</td><td>8.4</td><td>8.4</td></tr><tr><td>13'</td><td>7.4</td><td>12.2</td><td>12.2</td></tr><tr><td>16'</td><td>4.9</td><td>15</td><td>15</td></tr></table>		D	FC	L	W	4'	78.4	3.6	3.6	7'	25.6	6.4	6.4	9'	15.5	8.4	8.4	13'	7.4	12.2	12.2	16'	4.9	15	15	0	1255	0-30	796	62.8	37	20188
D	FC	L	W																																	
4'	78.4	3.6	3.6																																	
7'	25.6	6.4	6.4																																	
9'	15.5	8.4	8.4																																	
13'	7.4	12.2	12.2																																	
16'	4.9	15	15																																	
Module	EU6C10259035					5	1228	0-40	1082	85.3	45	9042																								
Trim	6LBSQH					15	1059	0-60	1245	98.2	55	3393																								
Lumens	1268					25	853	0-90	1268	100	65	1661																								
Efficacy	58.2 Lm/W					35	453	90-180	0	0	75	898																								
SC	0.94					45	148	0-180	1268	100	85	0																								
UGR	11.1					55	45																													
						65	16																													
						75	5																													
						85	0																													
						90	0																													

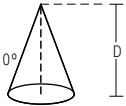
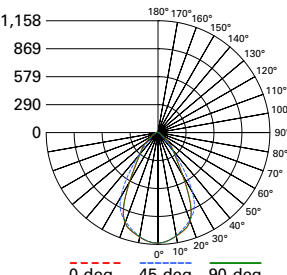
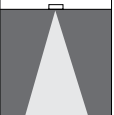
MEDIUM/WIDE 50° CUTOFF 65° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571673	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>96.8</td><td>3.6</td><td>3.6</td></tr><tr><td>7'</td><td>31.6</td><td>6.4</td><td>6.4</td></tr><tr><td>9'</td><td>19.1</td><td>8.2</td><td>8.2</td></tr><tr><td>13'</td><td>9.2</td><td>11.8</td><td>11.8</td></tr><tr><td>16'</td><td>6</td><td>14.6</td><td>14.6</td></tr></table>		D	FC	L	W	4'	96.8	3.6	3.6	7'	31.6	6.4	6.4	9'	19.1	8.2	8.2	13'	9.2	11.8	11.8	16'	6	14.6	14.6	0	1544	0-30	1001	69	37	17971
D	FC	L	W																																	
4'	96.8	3.6	3.6																																	
7'	31.6	6.4	6.4																																	
9'	19.1	8.2	8.2																																	
13'	9.2	11.8	11.8																																	
16'	6	14.6	14.6																																	
Module	EU6C10259035					5	1524	0-40	1327	91.4	45	4920																								
Trim	6LBSQLI					15	1362	0-60	1445	99.6	55	1021																								
Lumens	1451					25	1017	0-90	1451	100	65	397																								
Efficacy	66.6 Lm/W					35	429	90-180	0	0	75	166																								
SC	0.92					45	81	0-180	1451	100	85	0																								
UGR	2.1					55	14																													
						65	4																													
						75	1																													
						85	0																													
						90	0																													

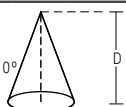
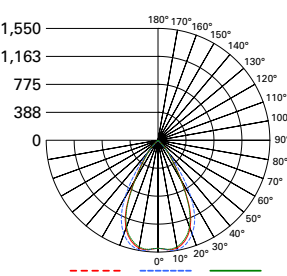
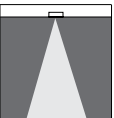
LENSED WALL WASH (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571674	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>58.6</td><td>4.4</td><td>4.2</td></tr><tr><td>7'</td><td>19.1</td><td>7.8</td><td>7.4</td></tr><tr><td>9'</td><td>11.6</td><td>10.1</td><td>9.6</td></tr><tr><td>13'</td><td>5.5</td><td>14.5</td><td>14</td></tr><tr><td>16'</td><td>3.7</td><td>17.9</td><td>17.2</td></tr></table>		D	FC	L	W	4'	58.6	4.4	4.2	7'	19.1	7.8	7.4	9'	11.6	10.1	9.6	13'	5.5	14.5	14	16'	3.7	17.9	17.2	0	937	0-30	682	40	37	32089
D	FC	L	W																																	
4'	58.6	4.4	4.2																																	
7'	19.1	7.8	7.4																																	
9'	11.6	10.1	9.6																																	
13'	5.5	14.5	14																																	
16'	3.7	17.9	17.2																																	
Module	EU6C10259035					5	936	0-40	1049	61.6	45	25385																								
Trim	6LBSQLWWH					15	902	0-60	1561	91.6	55	19097																								
Lumens	1704					25	824	0-90	1704	100	65	14691																								
Efficacy	78.2 Lm/W					35	642	90-180	0	0	75	10114																								
SC	1.08					45	417	0-180	1704	100	85	2816																								
UGR	24.2					55	254																													
						65	144																													
						75	61																													
						85	6																													
						90	0																													

Photometric Data

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LENSED WALL WASH (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571675	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>59.6</td><td>4.6</td><td>4.2</td></tr><tr><td>7'</td><td>19.5</td><td>8</td><td>7.6</td></tr><tr><td>9'</td><td>11.8</td><td>10.3</td><td>9.8</td></tr><tr><td>13'</td><td>5.6</td><td>14.9</td><td>14.2</td></tr><tr><td>16'</td><td>3.7</td><td>18.5</td><td>17.4</td></tr></table>		D	FC	L	W	4'	59.6	4.6	4.2	7'	19.5	8	7.6	9'	11.8	10.3	9.8	13'	5.6	14.9	14.2	16'	3.7	18.5	17.4	0	953	0-30	712	40.6	37	31751
D	FC	L	W																																	
4'	59.6	4.6	4.2																																	
7'	19.5	8	7.6																																	
9'	11.8	10.3	9.8																																	
13'	5.6	14.9	14.2																																	
16'	3.7	18.5	17.4																																	
Module	EU6C10259035					5	936	0-40	1094	62.4	45	25001																								
Trim	6LBSQLWWLI					15	896	0-60	1620	92.4	55	18819																								
Lumens	1753					25	822	0-90	1753	100	65	14528																								
Efficacy	80.4 Lm/W					35	638	90-180	0	0	75	10164																								
SC	1.1					45	411	0-180	1753	100	85	2816																								
UGR	24					55	251																													
						65	143																													
						75	61																													
						85	6																													
						90	0																													

MEDIUM/WIDE 45° CUTOFF 60° BEAM (H)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571676	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>72.4</td><td>3.8</td><td>3.8</td></tr><tr><td>7'</td><td>23.6</td><td>6.6</td><td>6.6</td></tr><tr><td>9'</td><td>14.3</td><td>8.6</td><td>8.6</td></tr><tr><td>13'</td><td>6.8</td><td>12.4</td><td>12.4</td></tr><tr><td>16'</td><td>4.5</td><td>15.2</td><td>15.2</td></tr></table>		D	FC	L	W	4'	72.4	3.8	3.8	7'	23.6	6.6	6.6	9'	14.3	8.6	8.6	13'	6.8	12.4	12.4	16'	4.5	15.2	15.2	0	1158	0-30	787	62.1	37	17099
D	FC	L	W																																	
4'	72.4	3.8	3.8																																	
7'	23.6	6.6	6.6																																	
9'	14.3	8.6	8.6																																	
13'	6.8	12.4	12.4																																	
16'	4.5	15.2	15.2																																	
Module	EU6C10259035					5	1143	0-40	1046	82.5	45	12409																								
Trim	6LCSQH					15	1064	0-60	1240	97.8	55	5495																								
Lumens	1268					25	821	0-90	1268	100	65	2476																								
Efficacy	58.2 Lm/W					35	363	90-180	0	0	75	1065																								
SC	0.95					45	204	0-180	1268	100	85	593																								
UGR	13.1					55	73																													
						65	24																													
						75	6																													
						85	1																													
						90	0																													

MEDIUM/WIDE 45° CUTOFF 65° BEAM (LI)		CANDLEPOWER DISTRIBUTION		CONE OF LIGHT		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																									
Test Number	P571677	Downlight				Degrees Vertical	Canдела	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance																								
Housing	LDSQ6C20D010			<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>94.8</td><td>3.8</td><td>3.6</td></tr><tr><td>7'</td><td>31</td><td>6.6</td><td>6.4</td></tr><tr><td>9'</td><td>18.7</td><td>8.4</td><td>8.4</td></tr><tr><td>13'</td><td>9</td><td>12.2</td><td>12.2</td></tr><tr><td>16'</td><td>5.9</td><td>15.2</td><td>15</td></tr></table>		D	FC	L	W	4'	94.8	3.8	3.6	7'	31	6.6	6.4	9'	18.7	8.4	8.4	13'	9	12.2	12.2	16'	5.9	15.2	15	0	1505	0-30	1061	73.1	37	16373
D	FC	L	W																																	
4'	94.8	3.8	3.6																																	
7'	31	6.6	6.4																																	
9'	18.7	8.4	8.4																																	
13'	9	12.2	12.2																																	
16'	5.9	15.2	15																																	
Module	EU6C10259035					5	1533	0-40	1346	92.8	45	7173																								
Trim	6LCSQLI					15	1452	0-60	1446	99.6	55	803																								
Lumens	1451					25	1048	0-90	1451	100	65	367																								
Efficacy	66.6 Lm/W					35	376	90-180	0	0	75	133																								
SC	0.94					45	118	0-180	1451	100	85	198																								
UGR	0.5					55	11																													
						65	4																													
						75	1																													
						85	0																													
						90	0																													

Photometric Multipliers (Nominal Lumen Values)

250 Lumen	500 Lumen	800 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen	4000 Lumen	4500 Lumen	5000 Lumen
0.22	0.42	0.57	0.65	1.00	1.29	1.62	1.90	2.25	2.61	3.02	3.42
5500 Lumen	6000 Lumen	6500 Lumen	7000 Lumen	7500 Lumen	8000 Lumen	9000 Lumen	10000 Lumen	11000 Lumen	12000 Lumen	13000 Lumen	
3.82	4.13	4.32	4.54	5.34	4.47	4.76	5.09	5.87	6.33	6.96	

Multipliers for relative lumen values with other series models.

CCT Multipliers – 90CRI

2400K	2700K	3000K	3500K	4000K	5000K
0.912	0.949	0.986	1	1.001	1.022

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 97CRI

2700K	3000K	3500K	4000K	5000K
0.889	0.955	1	1.016	1.07

Multipliers for relative lumen values with other series color temperatures.

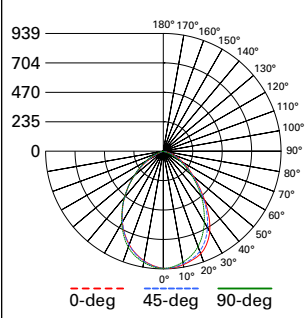
Color Finish Multipliers

Finish code	LI	H	WMH	WH	GPH	B	MW
Finish	Specular Clear	Semi-Specular Clear	Warm Haze	Wheat	Graphite Haze	Specular Black	Matte White
Multiplier	1.33	1.0	1.06	1.11	0.83	0.62	1.11

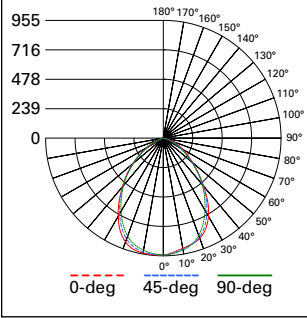
Multipliers for relative lumen values with other color finishes.

Photometric Data

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WALL WASH		CANDLEPOWER DISTRIBUTION		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number	P563506	Wall Wash		Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LD6C20D010			0	937	0-30	682	40	37	32089
Module	EU6209035			5	936	0-40	1049	61.6	45	25385
Trim	6LBSQLWWH			15	902	0-60	1561	91.6	55	19097
Lumens	1704			25	824	0-90	1704	100	65	14691
Efficacy	78.2 Lm/W			35	642	90-180	0	0	75	10114
SC	1.08			45	417	0-180	1704	100	85	2816
UGR	0			55	254					
				65	144					
				75	61					
				85	6					
				90	0					

Single Unit Footcandles 3" from wall (distance from fixture along wall)					Multiple Unit Footcandles 3" from wall (spacing between fixtures)					
DD	•	1'	2'	3'	•	-- 3' --	•	•	-- 4' --	•
1'	8.3	6.4	3.3	1.3	9.6	9.5	9.6	8.8	6.5	8.8
2'	15.2	12.5	7.5	3.8	19.1	20.1	19.1	17.1	15.1	17.1
3'	16.4	14	9.2	5.3	21.6	23.3	21.6	19.2	18.4	19.2
4'	14.4	12.7	9.1	5.7	20	21.9	20	17.7	18.1	17.7
5'	11	10.1	7.8	5.3	16.4	18.1	16.4	14.4	15.6	14.4
6'	8	7.5	6.2	4.6	12.6	13.8	12.6	11.2	12.4	11.2
7'	5.7	5.5	4.7	3.8	9.5	10.3	9.5	8.5	9.5	8.5
8'	4.2	4	3.6	3	7.2	7.7	7.2	6.6	7.2	6.6
9'	3.1	3	2.8	2.4	5.5	5.9	5.5	5.1	5.6	5.1
10'	2.4	2.3	2.2	1.9	4.3	4.5	4.3	4	4.3	4

WALL WASH		CANDLEPOWER DISTRIBUTION		CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE	
Test Number	P563507	Wall Wash		Degrees Vertical	Candela	Zone	Lumens	% Fixture	Average Candela Degrees	Average 0° Luminance
Housing	LD6C20D010			0	953	0-30	712	40.6	37	31751
Module	EU6209035			5	936	0-40	1094	62.4	45	25001
Trim	6LBSQLWWLI			15	896	0-60	1620	92.4	55	18819
Lumens	1753			25	822	0-90	1753	100	65	14528
Efficacy	80.4 Lm/W			35	638	90-180	0	0	75	10164
SC	1.1			45	411	0-180	1753	100	85	2816
UGR	0			55	251					
				65	143					
				75	61					
				85	6					
				90	0					

Single Unit Footcandles 3" from wall (distance from fixture along wall)					Multiple Unit Footcandles 3" from wall (spacing between fixtures)					
DD	•	1'	2'	3'	•	-- 3' --	•	•	-- 4' --	•
1'	8.3	6.4	3.2	1.3	9.5	9.5	9.5	8.7	6.4	8.7
2'	15.1	12.5	7.5	3.8	18.9	20	18.9	16.9	15.1	16.9
3'	16.1	13.9	9.2	5.3	21.4	23.2	21.4	19	18.4	19
4'	14.2	12.6	9.1	5.7	19.9	21.9	19.9	17.6	18.1	17.6
5'	10.9	10	7.8	5.4	16.3	18	16.3	14.4	15.6	14.4
6'	7.9	7.5	6.2	4.6	12.6	13.8	12.6	11.2	12.4	11.2
7'	5.7	5.5	4.8	3.8	9.5	10.3	9.5	8.5	9.5	8.5
8'	4.2	4	3.6	3	7.2	7.7	7.2	6.6	7.3	6.6
9'	3.1	3	2.8	2.4	5.5	5.9	5.5	5.1	5.6	5.1
10'	2.3	2.3	2.2	1.9	4.3	4.5	4.3	4	4.3	4

Connected Systems



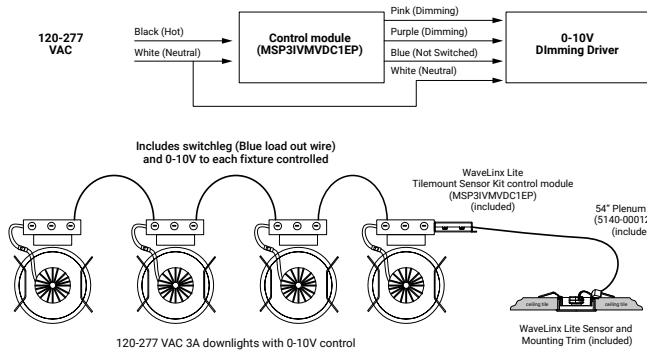
WaveLinX LITE - WLST Tilemount Sensor

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



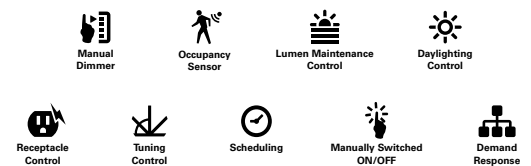
WaveLinX PRO Wireless – WPST Tilemount Sensor

WaveLinX PRO devices only compatible with the WaveLinX PRO system.

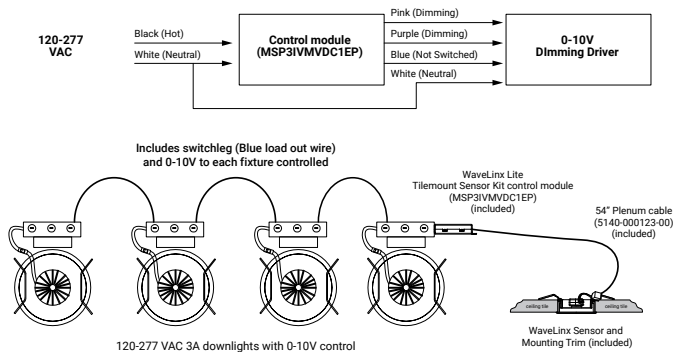
- WaveLinX PRO Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building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



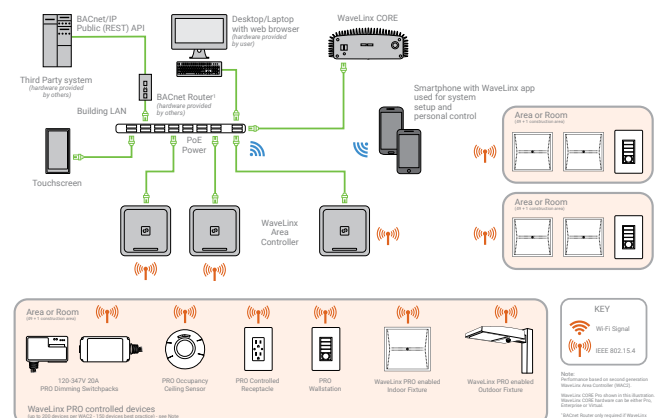
WaveLinX mobile app settings



WaveLinX PRO WPST Tilemount Wiring Diagram



WaveLinX CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

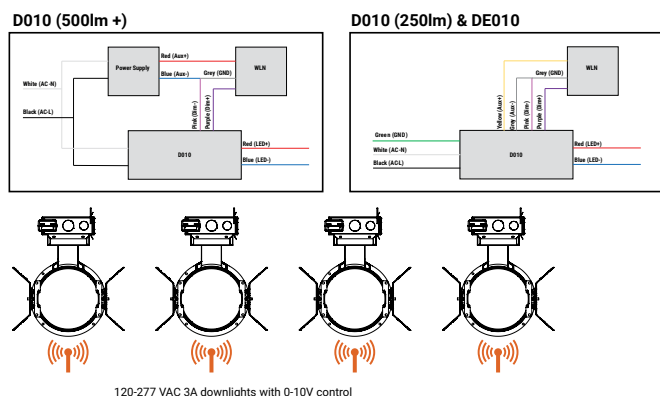
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- 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



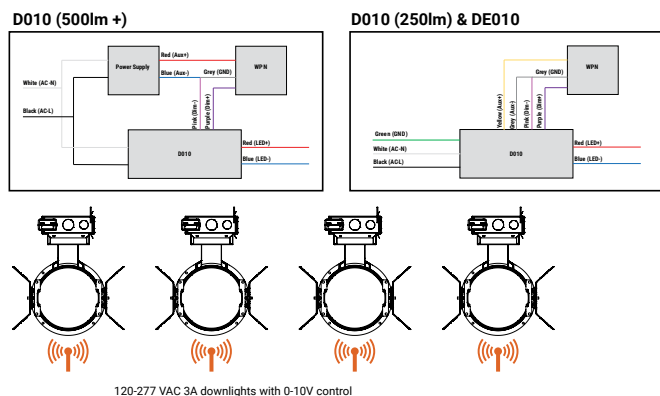
Downlights with wireless communication
Highly efficient LED fixtures

WaveLinX Area Controller
Provides centralized coordination of multiple area control options

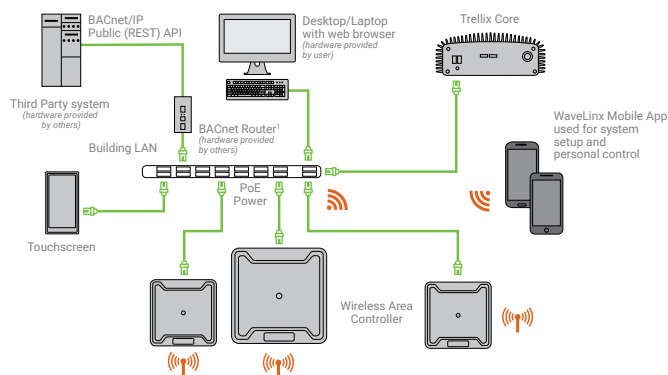
Wireless Wall Station/Receptacle
Provides customized wireless control of each area

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

WaveLinX PRO Wireless Node (WPN) Wiring Diagram



WaveLinX CORE Building Management Integration



Multi-line Order Information

SAMPLE ORDER NUMBER: **LDSQ6C10D010TRIEM14**

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

Single line Ordering
Information Option

Housing	Lumens ⁽²⁾			
LDSQ6C =LED Square Downlight 6" Nominal Aperture	02 =250 lumens	25 =2500 lumens	55 =5500 lumens ⁽³⁾	90 =9000 Lumens ⁽³⁾
LDSQ6CCP =LED Square Downlight 6" Nominal Aperture, Chicago Plenum	05 =500 lumens	30 =3000 lumens	60 =6000 lumens ⁽³⁾	100 =10,000 Lumens ⁽³⁾
	08 =800 lumens	35 =3500 lumens	65 =6500 lumens ⁽³⁾	110 =11,000 Lumens ⁽³⁾
	10 =1000 lumens	40 =4000 lumens	70 =7000 lumens ⁽³⁾	120 =12,000 Lumens ⁽³⁾
	15 =1500 lumens	45 =4500 lumens ⁽³⁾	75 =7500 lumens ⁽³⁾	130 =13,000 Lumens ⁽³⁾
	20 =2000 lumens	50 =5000 lumens ⁽³⁾	80 =8000 Lumens ⁽³⁾	150 =15,000 Lumens ⁽³⁾

Driver	Driver Options
D010 = 0-10V Dimming, 1% to 100%, 120V-277V, up to 7000 lumens (up to 3000 lumens for remote driver) 1D010 = 0-10V Dimming, 1% to 100%, 120V, 7500 lumens and above (3500 to 7000 lumens for remote driver) 2D010 = 0-10V Dimming, 1% to 100%, 277V, 7500 lumens and above (3500 to 7000 lumens for remote driver) 3D010 = 0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 4000 lumens; 250, 500, 4500 and above use step down transformer (250 to 7000 lumens for remote driver) 1 driver: 250-7000 / 2 drivers: 7500-12,000 / 3 drivers: 13,000-15,000	Blank =Integral driver R =Remote driver (offered with single driver, order remote driver separately) ⁽⁴⁾ PD =Plug in Driver (offered with single driver) ⁽⁴⁾
D010TR =0-10V (120-277V) or Line Voltage (120V) dimming, 5-100%, 250- 4500 lumens (up to 3000 lumens for remote driver) 1D010TR =0-10V or Line Voltage Dimming, 5% to 100%, 120V, 5000-9000 & 13,000 lumens (3500 to 4500 lumens for remote driver) 2D010TR =0-10V Dimming, 5% to 100%, 277V, 5000-9000 & 13,000 lumens (3500 to 4500 lumens for remote driver) 3D010TR =0-10V Dimming, 5% to 100%, 347V step down transformer, 250-9000 & 13,000 lumens (250 to 4500 lumens for remote driver) 1 driver: 250-4500 / 2 drivers: 5000-9000 / 3 drivers: 13,000	
DE010 = 0-10V Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver) 1DE010 = 0-10V Dimming, 0% to 100%, 120V, 7500 lumens and above (3500 to 7000 lumens for remote driver) 2DE010 = 0-10V Dimming, 0% to 100%, 277V, 7500 lumens and above (3500 to 7000 lumens for remote driver) 3DE010 = 0-10V Dimming, 0% to 100%, 0-10V Dimming, 347V step down transformer, 500-15,000 lumens (500 to 7000 lumens for remote driver) 1 driver: 500-7000 / 2 drivers: 7500-12,000 / 3 drivers: 13,000-15,000	
D5LT = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-7000 lumens (up to 3000 lumens for remote driver) 1D5LT = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V, 7500 lumens and above (3500 to 7000 lumens for remote driver) 2D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V, 7500 lumens and above (3500 to 7000 lumens for remote driver) 3D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100% 347V step down transformer, 500-15,000 lumens (500 to 7000 lumens for remote driver) 1 driver: 500-7000 / 2 drivers: 7500-12,000 / 3 drivers: 13,000-15,000	
DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-4500 lumens (up to 3000 lumens for remote driver) (up to 3000 lumens for remote driver) ⁽⁵⁾ 1DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-9000 and 13,000 lumens (3500 to 4500 lumens for remote driver) (3500 to 4500 lumens for remote driver) ⁽⁵⁾ 2DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-9000 and 13,000 lumens (3500 to 4500 lumens for remote driver) (3500 to 4500 lumens for remote driver) ⁽⁵⁾ 3DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-9000 and 13,000 lumens, RJ45 Connection (800 to 4500 lumens for remote driver) ⁽⁵⁾ 1 driver: 800-4500 / 2 drivers: 5000-9000 / 3 drivers: 13,000	
DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, up to 800-4500 lumens, RJ45 Connection (up to 3000 lumens for remote driver) ⁽⁵⁾ 1DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 5000-9000 and 13,000 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) ⁽⁵⁾ 2DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 5000-9000 and 13,000 lumens, RJ45 Connection (3500 to 4500 lumens for remote driver) ⁽⁵⁾ 3DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 250-9000 and 13,000 lumens, RJ45 Connection (800 to 4500 lumens for remote driver) ⁽⁵⁾ 1 driver: 800-4500 / 2 drivers: 5000-9000 / 3 drivers: 13,000	
DLE =Lutron Ecosystem dimming 1% to 100%, 120V-277V, 800-3500 lumens (up to 3000 lumens for remote driver) 1DLE =Lutron Ecosystem dimming 1% to 100%, 120V, 4000-7500 lumens (3500 lumens for remote driver) 2DLE =Lutron Ecosystem dimming 1% to 100%, 277V, 4000-7500 lumens (3500 lumens for remote driver) 3DLE =Lutron Ecosystem dimming 1% to 100%, 347V step down transformer, 800-7500 lumens (800-3500 lumens for remote driver) 1 driver: 800-3500 / 2 drivers: 4000-7500	
DLV =Low voltage dimming driver (1-100%) for use with DLVP system 800-3000 lumens ⁽⁶⁾	

Options ⁽⁹⁾ (27) (28) (30)

EMB0D =Bodine® Emergency Module with Remote Test Switch ⁽¹⁰⁾ EMB0D6ST =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 B0D7ST =Bodine® Self Test Emergency Module ⁽¹⁰⁾ IEMB0D =Bodine® Emergency Module with Integral Test Switch ⁽¹⁰⁾ (23) IEMB0D6ST =Bodine® 6W Self Test Emergency Module with Integral Test Switch ⁽²³⁾	IEM7 =7W Emergency Module with Integral Test Switch ⁽²³⁾ IEM14 =14W Emergency Module with Integral Test Switch ⁽²³⁾ 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 ⁽²⁹⁾ WPST =Factory installed WaveLinX PRO Sensor Kit ⁽¹¹⁾ (13) WLST =Factory installed WaveLinX LITE Sensor Kit ⁽¹¹⁾ (12) WPN = WaveLinX PRO Wireless Node without sensor ⁽³¹⁾ (36) WLN = WaveLinX LITE Wireless Node without sensor ⁽³³⁾ (36)
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Multi-line Order Information

SAMPLE ORDER NUMBER: **EU6C10259035**

Power Module	Lumen Levels ⁽²⁾	CRI ⁽²⁾	Color	
EU6C =6-inch Universal LED Module	For use with one driver 0208IC=250, 500, 800 lumens, IC Rated (for use with all drivers, min 500 lumen with DE010 and D5LT, min 800 lumens with DLVP, Lutron and DMX) 1025= 1000, 1500, 2000, 2500 lumens 1015IC=1000, 1500 lumens IC Rated 3040=3000, 3500, 4000 lumens (For use with Lutron 3000-3500, DLVP 3000 lumens, DMX, D010, D010TR, D5LT and DE010 3000-4000) 4560=4500, 5000, 5500, 6000 lumens (For use with DMX and D010TR 4500 lumens, D010, D5LT and DE010 4500-6000) ⁽³⁾ 6570=6500, 7000 lumens (For use with D010, D5LT and DE010) ⁽³⁾ For use with two drivers 4080=4000, 4500, 5000, 5500, 6000, 6500, 7000, 75000, 8000 lumens (For use with Lutron 4000-7500, D010TR & DMX 5000-8000, D010, D5LT & DE010 7500-8000 lumen) ⁽³⁾ 90120=9000, 10000, 11000, 12000 lumens (D010, D5LT, DE010 to 9000-12,000 lumens, DMX and D010TR 9000 lumens) ⁽³⁾ For use with three drivers 130150=13,000, 15000 lumens (D010, DE010, D5LT, 13,000-15,000 lumens, D010TR and DMX 13,000 lumens) ⁽³⁾	90=90 CRI Minimum 97=97 CRI Minimum	90 CRI 24=2400K 27=2700K 30=3000K 35=3500K 40=4000K 50=5000K	97 CRI 27=2700K 30=3000K

SAMPLE ORDER NUMBER: **6LBM2H**

Trim	Reflector	Flange	Finish		Options
6LB =6" Reflector	SQ=Square Anodized Aluminum SQW=Square Wide Anodized Aluminum CSSQ=Cast Shallow Square, Die Cast Aluminum Wall Wash SQLWW=Square Anodized Aluminum Lensed Wall Wash	0=White polymer trim ring ⁽³²⁾ 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 ⁽²²⁾

REQUIRED if Remote Driver (R) is specifiedSAMPLE ORDER NUMBER: **RC10010D010TREM7**

Remote Drivers	Lumens ^{(2) (14)}		
RC100 =Remote 100ft	02 =250 lumens	20 =2000 lumens	50 =5000 lumens
RC75 =Remote 75ft	05 =500 lumens	25 =2500 lumens	55 =5500 lumens
RC50 =Remote 50ft	08 =800 lumens	30 =3000 lumens	60 =6000 lumens
RC25 =Remote 25ft	10 =1000 lumens	35 =3500 lumens	65 =6500 lumens
RC15 =Remote 15ft	15 =1500 lumens	40 =4000 lumens	70 =7000 lumens
RC5 =Remote 5ft		45 =4500 lumens	
RC2 =Remote 2ft			

Continued on next page.

Multi-line Order Information (continued)

Driver
D010 = 0-10V Dimming, 1% to 100%, 120V-277V, 250-3000 lumens 1D010 = 0-10V Dimming, 1% to 100%, 120V, 3500-7000 lumens 2D010 = 0-10V Dimming, 1% to 100%, 277V, 3500-7000 lumens 3D010 = 0-10V Dimming, 1% to 100%, 347V dedicated drivers for 800 to 3000 lumens; 250, 500, 3500-7000 lumens use step down transformer
D010TR = 0-10V (120-277V) or Line Voltage (120V) dimming, 5-100%, 250- 3000 lumens 1D010TR = 0-10V or Line Voltage Dimming, 5% to 100%, 120V, 3500-4500 lumens 2D010TR = 0-10V Dimming, 5% to 100%, 277V, 3500-4500 lumens 3D010TR = 0-10V Dimming, 5% to 100% 347V step down transformer, 250-4500 lumens
DE010 = 0-10V Dimming, 0% to 100%, 120V-277V, 500-3000 lumens 1DE010 = 0-10V Dimming, 0% to 100%, 120V, 3500-7,000 lumens 2DE010 = 0-10V Dimming, 0% to 100%, 277V, 3500-7,000 lumens 3DE010 = 0-10V Dimming, 0% to 100%, 347V step down transformer, 500-7,000 lumens
D5LT = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V-277V, 500-3000 lumens 1D5LT = Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 120V, 3500-7,000 lumens 2D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100%, 277V, 3500-7,000 lumens 3D5LT =Fifth Light® (DALI T6) Logarithmic Dimming, 0% to 100% 347V step down transformer, 500-7,000 lumens
DMX = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, 800-3000 lumens ⁽⁵⁾ 1DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 3500-4500 ⁽⁵⁾ 2DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 3500-4500 ⁽⁵⁾ 3DMX =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-4500 ⁽⁵⁾
DMXC5 = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V up to 800-3000 lumens, RJ45 Connection ⁽⁵⁾ 1DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 3500-4500 lumens, RJ45 Connection ⁽⁵⁾ 2DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 3500-4500 lumens, RJ45 Connection ⁽⁵⁾ 3DMXC5 =DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-4500 lumens, RJ45 Connection ⁽⁵⁾
DLE = Lutron Ecosystem dimming 1% to 100%, 120V-277V, 25' Max remote length, 800-3000 lumens 1DLE =Lutron Ecosystem dimming 1% to 100%, 120V, 25' Max remote length, 3500 lumens 2DLE =Lutron Ecosystem dimming 1% to 100%, 277V, 25' Max remote length, 3500 lumens 3DLE =Lutron Ecosystem dimming 1% to 100%, 347V, step down transformer, 25' Max remote length, 800-3500 lumens
DLV = Low voltage dimming driver (1-100%) for use with DLVP system, 800-3000 lumens ⁽⁶⁾

Options ^{(9) (27) (28) (30)}	Controls
EMB0D =Bodine® Emergency Module with Remote Test Switch ⁽¹⁰⁾ EMB0D6ST =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	EMB0D7ST =Bodine® Self Test Emergency Module ⁽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 ⁽²⁹⁾ WPST =Factory installed WaveLinX PRO Sensor Kit ^{(11) (13)} WLST =Factory installed WaveLinX LITE Sensor Kit ^{(11) (12)} WPN = WaveLinX PRO Wireless Node without sensor ^{(31) (34)} WLN = WaveLinX LITE Wireless Node without sensor ^{(33) (36)}

Accessories (Order separately) ⁽²⁶⁾		
LGSKT6SQIP66 =IP66 Gasket Kit	Bar Hangers HB26 =C-channel Bar Hanger, 26" Long, Pair HB50 =C-channel Bar Hanger, 50" Long, Pair RMB22 =Wood Joist Bar Hanger, 22" Long, Pair	Transformers H347 =H347 for 90/97CRI 5500 lumens and below; 98CRI 4000 lumens and below; D2W 4500 lumens and below; W2N 4000 lumens and below H347200 =347 to 120V Step Down Transformer, 200VA
PRSQ6 = Rimless Plaster Ring ⁽²⁴⁾ RKPSQ6 = Knife Edge plaster Ring ⁽²⁵⁾		
RPMSQ6MW = Rimless Millwork Ring, Matte White ⁽²⁴⁾ RPMSQ6MB = Rimless Millwork Ring, Matte Black ⁽²⁴⁾ RKMSQ6MW = Knife Edge Millwork Ring, Matte White ⁽²⁵⁾ RKMSQ6MB = Knife Edge Millwork Ring, Matte Black ⁽²⁵⁾	Connected Lighting Systems ^{(6) (11)} WPST = Field installed WaveLinX PRO Sensor Kit ⁽¹³⁾ WLST = Field installed WaveLinX LITE Sensor Kit ⁽¹²⁾	

- Notes:**

 - IC rated up to 3000 lumens for 90 & 97 CRI, 2000 lumens for 98 CRI, 2500 lumens for D2W and 1000 lumens for W2N
 - Nominal Lumens will vary depending on selected color, CRI, driver and reflector finish. [Reference Multiplier tables.](#)
 - Product is marked spacing. [Reference table on page 4 for the spacing details.](#)
 - Not available with 5500, 6500, 7500 lumens
 - DMX fixtures default to full on upon loss of DMX signal.
 - Not available with Chicago Plenum.
 - ULus listed only
 - Offered up to 2500 lumens with D2W and 3500 with W2N
- D010, D5LT, DE010 up to 7000 lumens for 90 and 97 CRI and 4500 lumens with 98 CRI
- D010TR, DMX up to 4500 lumens for 90 and 97 CRI and 3000 lumens with 98 CRI
- DLE, DL2 up to 3500 lumens for 90 and 97 CRI and 2500 lumens with 98 CRI
- DLVP up to 3000 lumens for 90 and 97 CRI and 2000 lumens with 98 CRI
 - Not available with Chicago Plenum.
 - Not available for W2N or 6500-7000 lumens with 90 and 97 CRI.
- Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
 - WLST = WaveLinX LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinX LITE system specifications)
 - WPST = WaveLinX wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - RealTime Location Services, use with 0-10V only.
 - Not available with 5500 lumens
 - Spun aluminum only
 - PS available in self-flanged MW finish only
 - Offered up to 4000 lumens
 - Flange is the same finish as the reflector
 - Requires knife edge ring
 - Anodized or spun reflectors
 - Die cast only
 - SQ and SQW trims only
 - Available with SQ and SQW anodized Aluminum trims. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14
- Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
 - Order die cast trim with flange type 4
 - Accessories sold separately will be separately analyzed under domestic preference.
 - If using remote driver order battery and controls with the remote driver.
 - 120V-277V
 - Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).
 - Non-IC
 - 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 D010 or DE010 drivers only.
 - Not available with CSSQ Cast Shallow Square, Die Cast Aluminum reflector
 - 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 D010 or DE010 drivers only.
 - Not compatible with 347V or Chicago plenum.