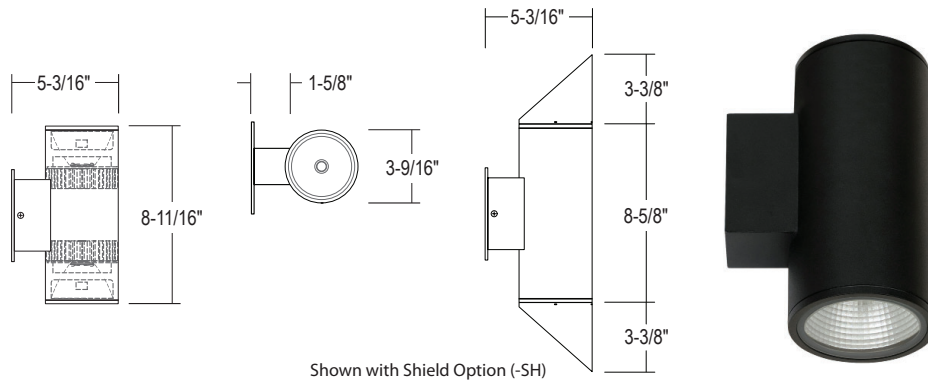


WD2340 : 4" ROUND 2-DIRECTION

WALL MOUNT (IP65) 2 X 1000LM-1500LM (20W-30W)



- Uniform, Low Glare Illumination
- Singular COB light source
- New Integral Emergency Option
- Unidim dimming option with 2-wire Incandescent, 3-Wire ELV or 0-10V controls
- 13' Mtg. Ht., 22' O.C. Spacing (1000 lumen package)
- 25' Mtg. Ht., 22' O.C. Spacing (1500 lumen package)
- 5-Year Limited Warranty
- Photocell Available
- Available with Type IV/Forward Throw Optics

ORDERING : WD2340B-BU10-BD10UE-DUN-T27-LVR

WD2340

Fixture	Finish	Lumen	Optics	Dimming	LED	Emergency Options	Options
Finish		Optics		Dimming³		Emergency Options	
White (RAL 9003)	W	Ⓜ Beam Up		Ⓜ Beam Down		Non-Dimming (120V)	Blank
Silver (RAL 7037)	S	Standard Beams		Standard Beams		ELV and Triac Dimming (120V)	-DIN
Bronze (RAL 8019)	BZ	Wide Flood	Blank	Wide Flood	Blank	0-10V Dimming (120V/277V)	UE-D10
Black (RAL 9005)	B	Narrow Spot	-BU10	Narrow Spot	-BD10	UniDim™ (120V/277V)	UE-DUN
Light Silver (RAL 7036)	LS¹	Spot	-BU20	Spot	-BD20	0-10V 1% Dimming (120V/277V)	UE-D10P1
Dark Grey (RAL 7015)	DG¹	Flood	-BU45	Flood	-BD45	LED	
Metallic Gold (RAL 1001)	MG¹	CleanBeam™ Option		CleanBeam™ Option		4000K (90 CRI)	Blank
Metallic Black (RAL 7021)	MB¹	10° Pencil Beam	-CBU10	10° Pencil Beam	-CBD10	2700K (90 CRI)	-T27
Lumen		15° Clean Beam	-CBU15	15° Clean Beam	-CBD15	2700K (97 CRI)	-T27-C97²
2 x 1000lm (20W)	Blank	35° Clean Beam	-CBU35	35° Clean Beam	-CBD35	3000K (90 CRI)	-T30
2 x 1500lm (30W)	-L15	Specialty Beams		Specialty Beams		3000K (97 CRI)	-T30-C97²
		Wall Wash	-BUWW	Wall Wash	-BDWW	3500K (90 CRI)	-T35
		Forward Throw (Type IV)	-BUIV	Forward Throw (Type IV)	-BDIV	5000K (80 CRI)	-T50
		Type II (30° x 60°)	-BU11²	Type II (30° x 60°)	-BD11²	RGB+W Control (24VDC)	-RGBWV24⁷
						Options	
						None	Blank
						Black Hexcell Louver	-LVR
						Photocell Sensor	-SDL
						Surge Protector	-SRG
						Cold Weather	-CW^{4,6}
						Glare Shield (Up)	-SHU
						Glare Shield (Down)	-SHD
						Glare Shield (Up and Down)	-SH
						2-Circuit	-2CCT

¹Special Order Finish. Minimum order quantity (MOQ) applies. Orders less than MOQ are subject to a special paint set-up fee for the quantity ordered. Extended lead times may apply. Consult Factory.

²Special Order. Minimum order quantity (MOQ), extended lead time may apply. Consult Factory.

³Standard driver minimum starting temperature is -10°C / 14°F.

⁴Cold Weather Start (-CW) Starting Temperature -30°C / -22°F.

⁵Blank EM enclosure available for non-EM units to provide a seamless design aesthetic when EM enabled products are installed.

⁶(-EMB) is not compatible with (-CW) option.

⁷Remote Power Supplies and Control Gear required. Available with Wireless Bluetooth Casambi or DMX 512 control. Consult Factory for Details.

347 Input with 0-10V available. Consult Factory for details and lead time.

Energy Efficient Chip-On-Board (COB) Singular LED Light source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED source products.

Binned with 3-Step MacAdam Ellipses as recommended by Ansi Standard. Available in 2700k, 3000k, 3500k, 4000k, 5000k, RGBW, and 590nm Amber.

Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

SPECIFICATION

Application

This WD2 series bi-directional wall mount luminaire can be used for both interior and outdoor settings. The dual reflector design can be used for both direct downward and indirect upward illumination for new construction or retrofit installations. Typical locations are in residential, commercial, and architectural facades and retail spaces that contain walls and/or columns.

Housing/Arm

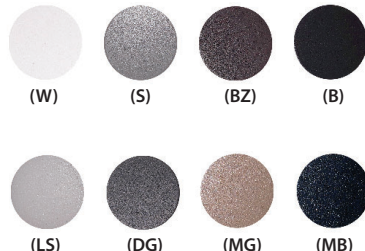
Housing is constructed from a round one piece high grade aluminum extrusion with a rectangular extrusion arm. Extrusions are 6061 alloy; <04% Cu. Top and bottom Faceplates (with flush mounted tempered glass lenses) are of a robust die cast aluminum alloy and seal to the Housing by threading into it. Lenses are sealed via silicone o-rings. An aluminum alloy mounting plate with a U-bracket installs onto an electrical junction box and secures into the arm with two (2) fl at head countersunk phillips head stainless steel screws.

Mounting:

The 4-1/4" square mounting plate with U-bracket installs onto a 3-1/2" or 4" octagonal electrical junction box. For other junction box sizes see installation instructions.

Finish:

A 7-stage electrostatic, polymer process provides an outdoor textured powder coat finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation. Consult factory for Custom Color. (More Information)



Standard Finishes:

White: RAL 9003 (W)
Silver: RAL 7037 (S)
Bronze: RAL 8019 (BZ)
Black: RAL 9005 (B)

Special Order Finishes:

Light Silver: RAL 7036 (LS)
Dark Gray: RAL 7015 (DG)
Metallic Gold: RAL 1001 (MG)
Metallic Black: RAL 7021 (MB)

Certifications and Listings:

ETL / cETL Listed to UL1598 and UL8750 standards.

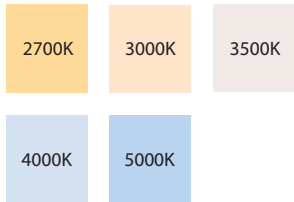
Suitable wet locations. (IP65)

Assembled in USA.

IK08 rated for impact resistance.



SPECIFICATION (Continued)

Caution:	LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.
Warranty	Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 50°C/122°F. Doing so will result in reduced lamp life and voided warranty.
Optics	Up and Down multifaceted aluminum reflectors produce low glare illumination with multiple light control options.
Standard Beam:	Used for maximum light output and visible field angle.
CleanBeam™ :	Used for a direct uniform light output with minimized field angle and to enhance building aesthetics.
LED	COB (Chip on Board) singular LED light source provides for smooth, uniform light output, eliminating the imaging produced by multiple LED source optics.
Lumen Maintenance:	Lumen Maintenance is a minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.
Lumen Options (Nominal):	2 x1000lm (20W) 2 x1500lm (30W)
Color Temperature:	Binned with 4-step MacAdam ellipses as per ANSI Standard recommendation.
	COLOR TEMP: 2700K 3000K 3500K 4000K 5000K
	CRI: 90, 97 90, 97 90 90 80, 90

SPECIFICATION (Continued)

RGB+W:



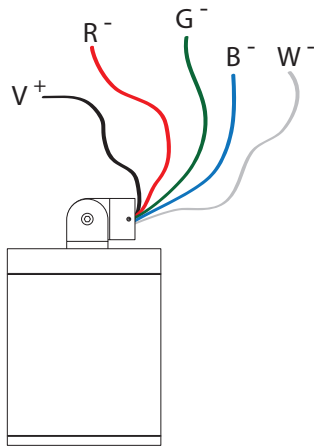
CASAMBI

15W RGBW LED Module Illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W design allows fine-tuned pastel colors and saturated hues without sacrificing illumination brightness. Can be set for static colors or dynamic shows. Multiple control options available with either CASAMBI Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programming available.

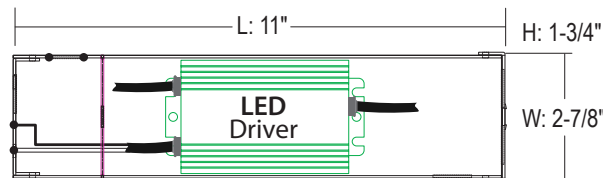
Consult Factory for Layout Assistance and Lead Times.

COLOR	CCT/WAVELENGTH	POWER
Red	640nm	3.1W
Green	520nm	3.1W
Blue	450nm	3.1W
White	2700K	3.1W

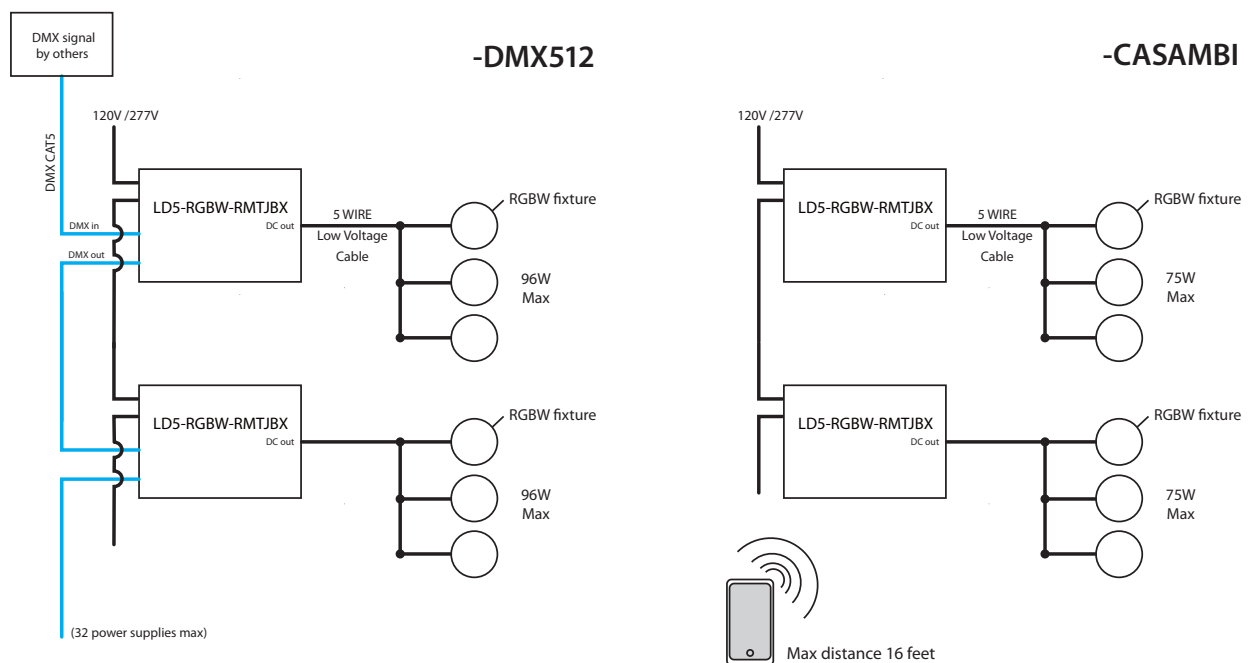


WIRED

Remote Power Supply	Controls	Wattage
LD5-RGBW-RMTJBX	Remote Mounted Decoder -DMX512	15W -W15
	Wireless Bluetooth Control -CASAMBI	30W -W30
		60W -W60
		96W -W96



Junction Box Dimensions: 11" x 2-7/8" x 1-3/4" (LxWxH)



NOTE: Power supply must be placed in dry locations only. 100 feet max for 5 wire low voltage cable 18AWG.

SPECIFICATION (Continued)

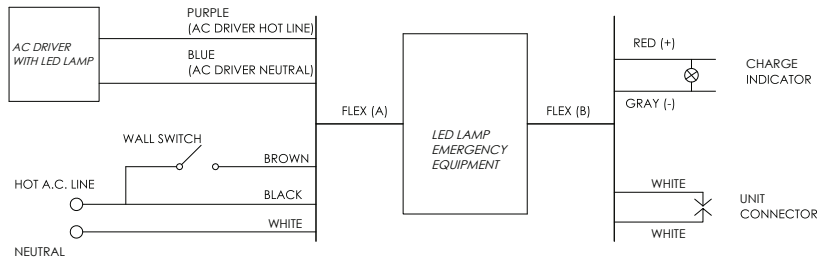
REMOTE LOCATION EMERGENCY INVERTER (-EMAC): 25W and 40W

For installation away from the surface of the building in remote hidden location.

- Hidden Emergency Equipment
- Must be installed in Dry Locations
- Wattage package will determine if 25W or 40W battery gets sent; corresponding wiring diagrams below
- 170 VDC output to AC DRIVER during EM mode

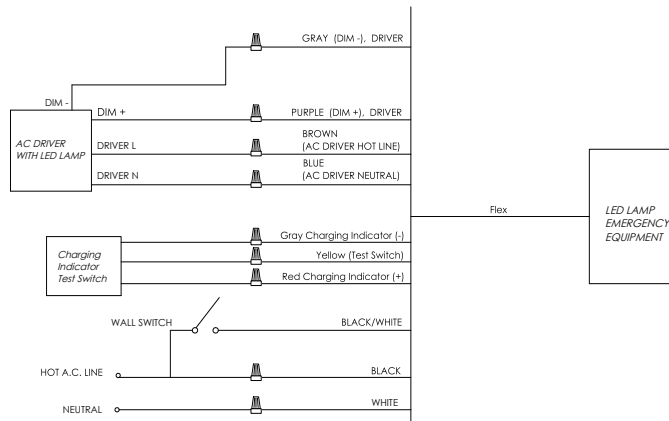
Not rated for outdoor mounting. Damp location rated.

<25W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	25W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	2200lm
Self-Diagnostic:	No

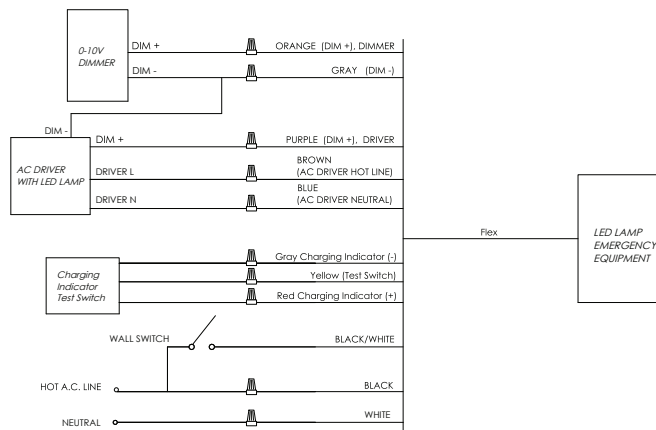
<40W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	40W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	3500lm
Self-Diagnostic:	Yes

>40W LOAD

- 0-10V dimmable driver required

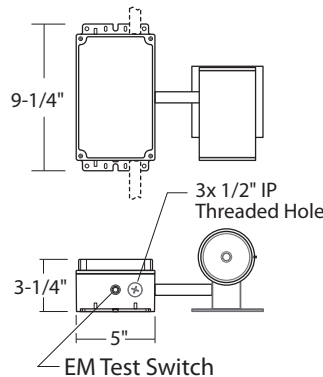


SPECIFICATION (Continued)

BackPack Side Mount (-EMB-SD/FC):

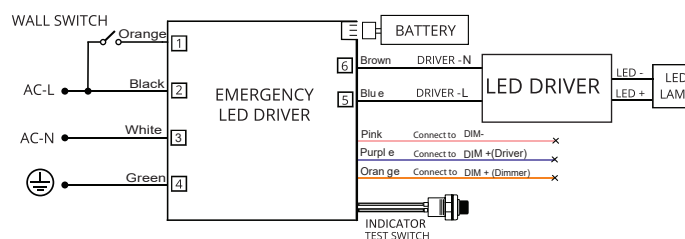
Eliminates need for long runs back to remote emergency battery location. Installs directly on building surface. Ideal for locations wanting same mounting aesthetics for Emergency and Non-Emergency fixtures without the use of remote Emergency power. Can be fed from recessed wall mounted junction box from the back of fixture or surface conduit from side of fixture.

- Wet location rated.
- 120V-347V operation.
- Self diagnostic.
- Integral surge protector for emergency driver only.
- Includes (2) 1/2" NPT knock-outs.
- Optional -EMB-BLANK can be used to maintain a common aesthetic when -EMB-FC are used.

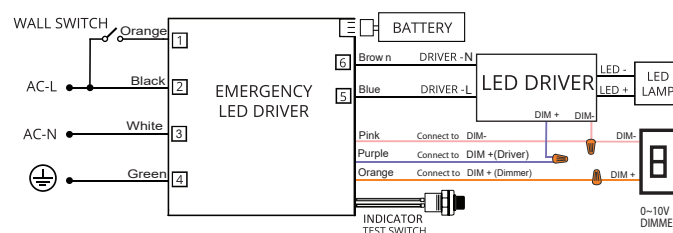


Output Power:	18 Watts (Max)
Input Power:	7 Watts (Max)
Emergency Operation:	≥90 minutes
Operating temp:	0°C/32°F to 50°C/122°F
Input Voltage:	120V-347 VAC
Battery:	Recyclable lithium battery 24 Hour Recharge 7-10 Year Life Expectancy
Charge Time:	24 hours
Max Distance:	25'
Weight:	3-3/4 lbs.
Warranty:	5-year
Surge Protection:	Integral 3,000V
Self-diagnostic testing:	Monthly 30 sec. test, Yearly 90 min. test to verify proper emergency operation per life safety code requirements.

(<18W)



(18W-200W)



SPECIFICATION (Continued)

Additional Options

Hexcell Louver (-LVR):

3 mm /.125" (size of the cells) - matte black finish, 45° glare cutoff, unframed.



Photocell (-SDL):

Allows for energy savings when illumination is not need during between dawn to dusks.
Cuts off power to LED's during day time or in illuminated environments.



Voltage: 120V, 277V

Power Consumption .5W

On/Off Levels: On @ 0-2fc / Off @ 2fc or more

Warranty: 2-Year / 5,000 Cycles

Sensor Size: 3/8"

Rating: UL/cUL

Surge Suppressor (-SRG):

Protects driver against surges in line voltage/current
(20KV, 1.2/50μS & 10KA, 8/20μS).

Provides a positive indication of end-of-life by opening voltage to the load.

Surge suppressor is a perishable device requiring periodic replacement.

Not a warrantied item.



SPECIFICATION (Continued)

Electrical

LED Driver: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted.
Power Factor > 0.90. See Dimming Section for voltage and wiring.

Minimum Operating Temperature.
Standard: -10°C/14°F

Dimming Options

ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

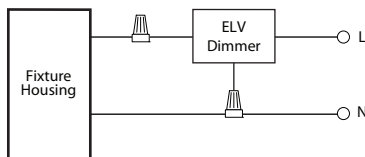
0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

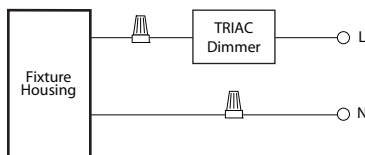
UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

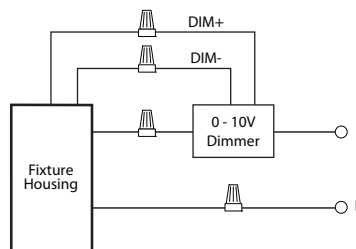
Incandescent/Phase Wiring
ELV



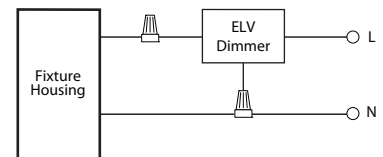
TRIAC



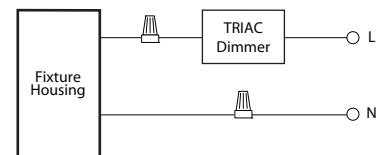
0 - 10V Wiring



Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring

