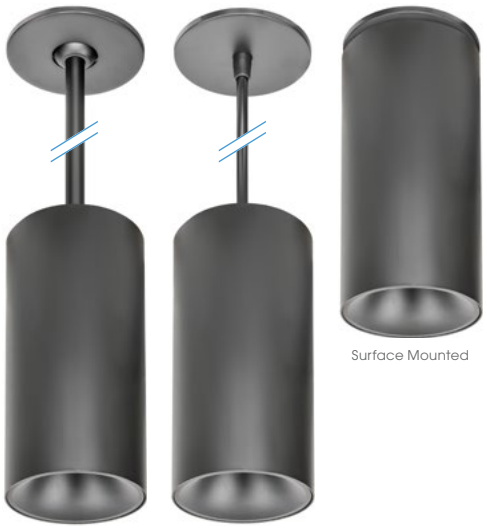
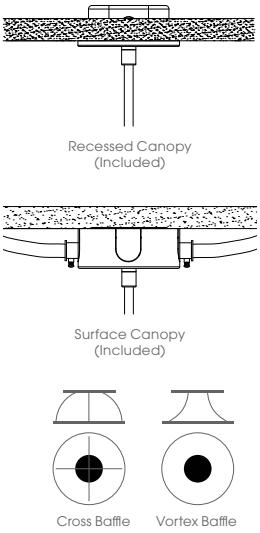
CYLINDRO

CYL40 4" CYLINDERS

Fixture Type	
Project	
Notes	





CYLINDRO Collection of Specification Cylinders for Surface, Cord, and Swivel Stem Mounted applications, is designed for residential, hospitality, retail, and commercial spaces. The Vortex Baffle, with advanced optics, casts a uniform and comfortable light without harsh shadows. The Cross Baffle provides focused lighting with no glare. The Dim-To-Warm CYL40-DTW model provides 3000K at full brightness and dims to a warm 1800K with no hotspots. Fixtures are built to your exact specifications with a quick turn-around time, and ships ready to install.

120-277V AC | 0-10V DIMMABLE | 30°/40°/50°/55° BEAM ANGLE | 2SDCM

DAMP INDOOR | L70 50,000 HOURS | 5 YEAR WARRANTY | JA8 TITLE 24 | c ETL US Intertek

SPECIFICATIONS

WATTAGE	10W	15W	20W
LUMENS	980 Lm	1450 Lm	1950 Lm
EFFICACY	98 Lm/W	97 Lm/W	98 Lm/W
INPUT VOLTAGE	120-277V AC		
CRI	90+		
BEAM ANGLE	30°, 40°, 50°, 55°		
DIMMING	0-10V, CASAMBI Ready, see page 6		

[1] See published warranty terms for detailed information
Note: Lumen data based on 3000K 90CRI

ENVIRONMENT	Indoor - Damp
CERTIFICATIONS	c-ETL-us, Title 24 JA8 Compliant
LUMEN MAINTENANCE	50,000 hours
OPTIONAL	Emergency Battery Pack
OPERATING TEMP	-4˚F ~ 104˚F ambient without EM
	32˚F ~ 104˚F ambient with EM
WARRANTY[1]	5 years

PERFORMANCE DATA (Based on 3000K 90CRI Flood optic)

Luminaire Wattage	Delivered Lumens	Lumens/Watt	Emergency Power
10W	980 Lm	98	10W / 980 Lm
15W	1450 Lm	97	15W / 1450 Lm
20W	1950 Lm	98	15W / 1450 Lm

TECHNICAL PARAMETERS

Dimming Protocol	Dimming Range	Input Voltage	Power Factor	THD
0-10V	3%-100% dim to off	120V AC - 277V AC	>0.9	<20%
Casambi (0-10V)[1]	3%-100% dim to off	120V AC - 277V AC	>0.9	<20%

[1]Consult factory for Casambi network design

ORDERING INFO

CANOPY TYPE	POWER	DIMMING	CCT	BEAM	LENS	MOUNTING	BAFFLE FINISH	FIXTURE FINISH
CYL40								
4" Cylinder	**10W**- 10W **15W**- 15W **20W**- 20W	**010** – 0-10V **CAS** – Casambi	**2090** – 2000K **2290** – 2200K **2490** – 2400K **2790** – 2700K **3090** – 3000K **3590** – 3500K **4090** – 4000K	**NF** - 30° **FL** - 40° **WF** - 50° **VW** - 55°	**LN** - No Lens **LL** - Linear **LH** - Hexcell **LS** - Softening	**SM** – Surface Mount **CM048** – Cord 48"[1] **CM144** – Cord 144"[1] **ST048** – Stem 48"[1] **ST096** – Stem 96"[1]	**VB** – Vortex Black **VW** – Vortex White **VH** – Vortex Haze **VC** – Vortex Custom[2] **CB** – Cross Black	**BK** – Black **WH** – White **CT** – Custom[3]

[1] Nominal Overall Length (OAL), field cuttable
[2] Specify RAL # for baffle, consult factory.
[3] Specify RAL # for canopy, stem and fixture, Black or White Cord only, consult factory.

INSTALL

NY 15 Harbor Park Drive Port Washington, NY 11050 Main 800 527 7796 Fax 855 265 5768 | **CA** 219 South 6th Ave City of Industry, CA 91746 Main 800 527 7796 Fax 855 265 5768 | support@jescolighting.com Tech Support 855 592 0029

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CYLINDRO

CYL40 4" CYLINDERS

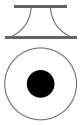
JESCO LIGHTING GROUP

Fixture Type	
Project	
Notes	

COLOR TEMPERATURE
PHOTOMETRIC DATA

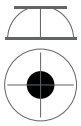
2000K 2200K 2400K 2700K 3000K 3500K 4000K

Warm White — Neutral White — Cool White



Vortex Baffle

IES 3500K



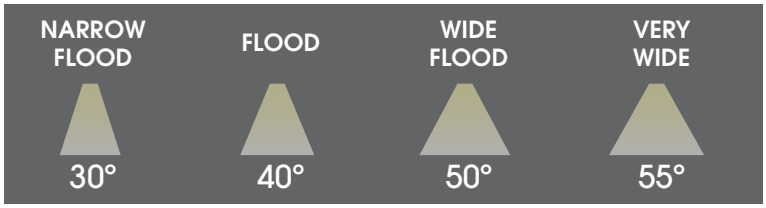
Cross Baffle

IES 3500K

OPTIONAL EMERGENCY BATTERY PACK
EM-LIN-08W
8W Remote Mounted Emergency Battery Back-Up

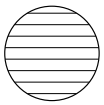
- Universal input 100-347V AC
- Battery protection for over-temperature, overcharge, over-discharge, and shorcircuit
- Works with AC/DC sensor
- Self-testing monthly/yearly
- Meet CEC Title 20 standards
- Includes: Charging Indicator/Test Switch
- Handheld Remote Tester

OPTICS
SELECT FROM 4 OPTIONS



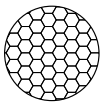
Beam
NF – Narrow Flood 30°
FL – Flood 40°
WF – Wide Flood 50°
VW – Very Wide 55°

LENS
SELECT FROM **LN** - NO LENS OR 3 OPTIONS



Linear Lens
The linear spread elongates the beam for throwing light on a wall.

LL – Linear



Hexcell Lens
The hex louver can be used for further glare reduction.

LH – Hexcell

Softening Lens
The softening lens can be used for ligth diffusion.

LS – Softening

BAFFLES
SELECT FROM 4 OPTIONS & RAL CUSTOM FINISHES

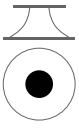
VW – Vortex White

VB – Vortex Black

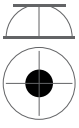
VB – Vortex Black

VC – Vortex Custom

CB – Cross Black



Vortex Baffle
Advanced optics, casts a uniform and comfortable light without harsh shadows.



Vortex Baffle
Provides focused lighting with no glare.

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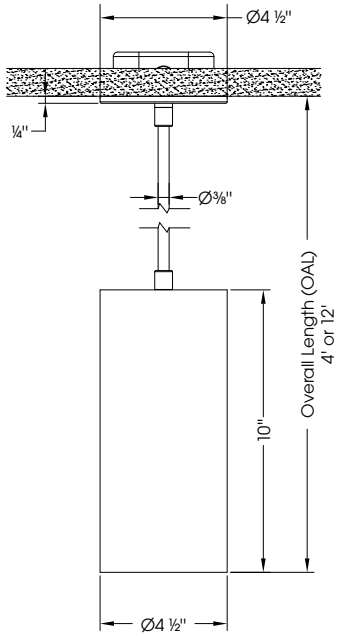
JESCO LIGHTING GROUP

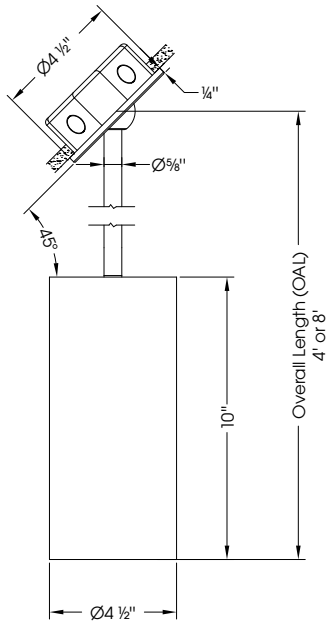
Fixture Type	
Project	
Notes	

DIMENSIONS – RECESSED J-BOX

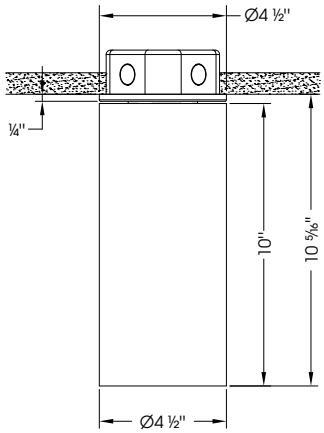
CORD MOUNT



SWIVEL STEM MOUNT

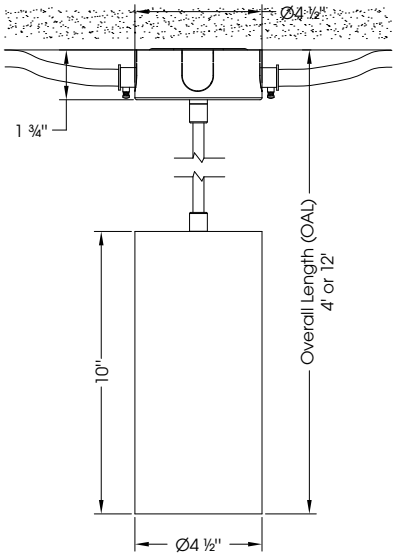


SURFACE MOUNT

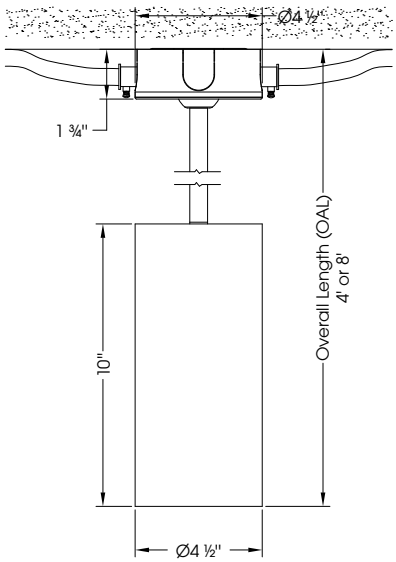


DIMENSIONS – SURFACE J-BOX

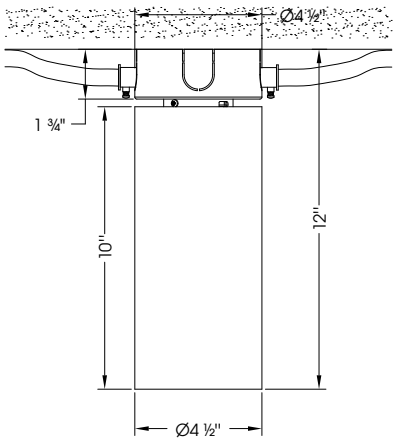
CORD MOUNT



SWIVEL STEM MOUNT



SURFACE MOUNT



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CYLINDRO

CYL40 4" CYLINDERS

JESCO LIGHTING GROUP

Fixture Type	
Project	
Notes	

APPLICATION DATA

Vortex Baffle (20W 3500K)

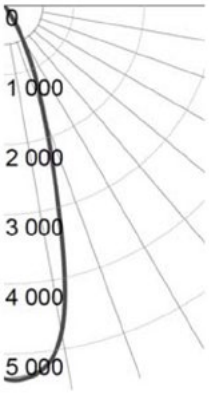
Multiplying Factors

WATTAGE	10W	15W	20W
FACTOR	0.50	0.75	1.00

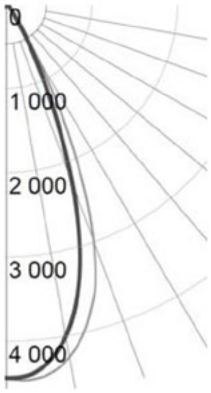
CCT	2000K	2200K	2400K	2700K	3000K	3500K	4000K
FACTOR	0.70	0.76	0.82	0.92	0.95	1.00	1.02

LENS	No Lens	Linear	Hexcell	Softening
FACTOR	1.00	0.78	0.67	0.77

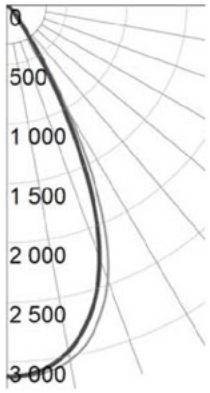
NF - 30° Narrow Flood
1880 Lm
58° Field Angle



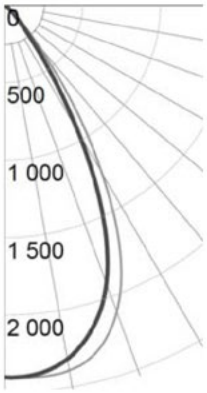
FL - 40° Flood
1940 Lm
60° Field Angle



WF - 50° Wide Flood
1987 Lm
70° Field Angle



VW - 55° Very Wide Flood
1885 Lm
80° Field Angle



Candelas at Nadir

DEGREES	CANDELA
0	5346
5	5305
15	3052
25	975
35	230
45	71

DEGREES	CANDELA
0	4435
5	4358
15	3311
25	1142
35	188
45	50

DEGREES	CANDELA
0	3123
5	3090
15	2692
25	1576
35	319
45	68

DEGREES	CANDELA
0	2400
5	2388
15	2164
25	1487
35	464
45	94

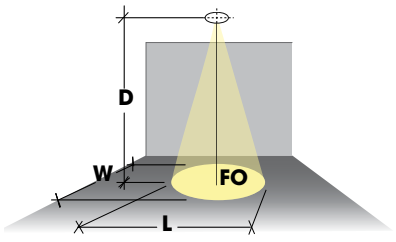
0° Aiming Angle Horizontal Footcandles

D	FC	L	W
5.0'	214	2.6	2.6
7.5'	95	3.8	3.8
10.0'	53	5.1	5.1
12.5'	34	6.4	6.4

D	FC	L	W
5.0'	177	3.5	3.5
7.5'	79	5.3	5.3
10.0'	44	7.0	7.0
12.5'	28	8.8	8.8

D	FC	L	W
5.0'	125	4.4	4.4
7.5'	56	6.6	6.6
10.0'	31	8.8	8.8
12.5'	20	11.0	11.0

D	FC	L	W
5.0'	96	5.1	5.1
7.5'	43	7.7	7.7
10.0'	24	10.2	10.2
12.5'	15	12.8	12.8



Notes and Definitions

Beam spread is to 50% center beam candlepower (CBCP).
D = Distance to floor or wall.
FC = Footcandles on floor or wall at center beam aiming location.
L = Effective Visual Beam length in feet (50% of maximum footcandle level).
W = Effective Visual Beam width in feet (50% of maximum footcandle level).
CB = Distance across or down to center beam location.

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CYLINDRO

CYL40 4" CYLINDERS

JESCO LIGHTING GROUP

Fixture Type	
Project	
Notes	

APPLICATION DATA

Cross Baffle (20W 3500K)

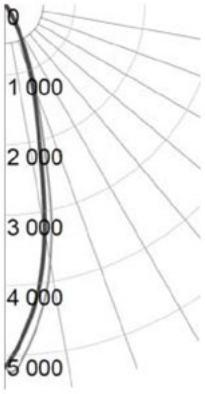
Multiplying Factors

WATTAGE	10W	15W	20W
FACTOR	0.50	0.75	1.00

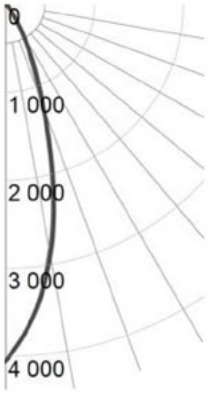
CCT	2000K	2200K	2400K	2700K	3000K	3500K	4000K
FACTOR	0.70	0.76	0.82	0.92	0.95	1.00	1.02

LENS	No Lens	Linear	Hexcell	Softening
FACTOR	1.00	0.78	0.67	0.77

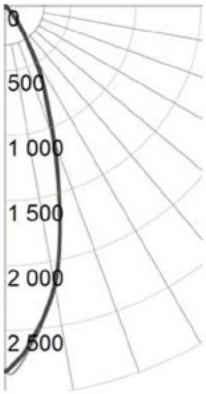
NF - 25° Narrow Flood
1361 Lm
53° Field Angle



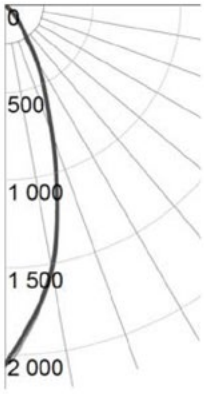
FL - 30° Flood
1289 Lm
58° Field Angle



WF - 33° Wide Flood
1108 Lm
64° Field Angle



VW - 34° Very Wide Flood
931 Lm
70° Field Angle



Candelas at Nadir

DEGREES	CANDELA
0	5161
5	4424
15	1845
25	604
35	143
45	40

DEGREES	CANDELA
0	4049
5	3560
15	2054
25	732
35	161
45	34

DEGREES	CANDELA
0	2813
5	2552
15	1616
25	723
35	225
45	56

DEGREES	CANDELA
0	2055
5	1797
15	1145
25	532
35	189
45	55

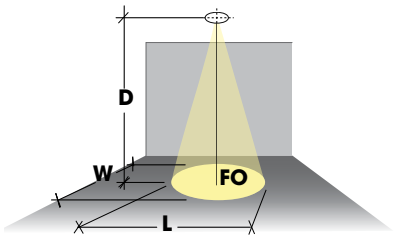
0° Aiming Angle Horizontal Footcandles

D	FC	L	W
5.0'	232	2.6	2.6
7.5'	103	3.8	3.8
10.0'	58	5.1	5.1
12.5'	37	6.4	6.4

D	FC	L	W
5.0'	206	2.2	2.2
7.5'	92	3.3	3.3
10.0'	52	4.4	4.4
12.5'	33	5.6	5.6

D	FC	L	W
5.0'	162	2.7	2.7
7.5'	72	4.1	4.1
10.0'	40	5.5	5.5
12.5'	26	6.8	6.8

D	FC	L	W
5.0'	82	3.0	3.0
7.5'	37	4.5	4.5
10.0'	21	6.1	6.1
12.5'	13	7.6	7.6



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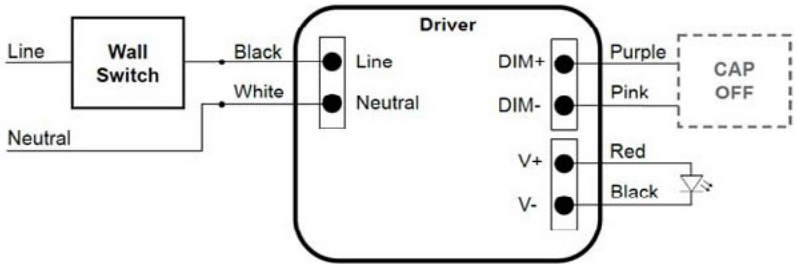
WIRING DIAGRAM

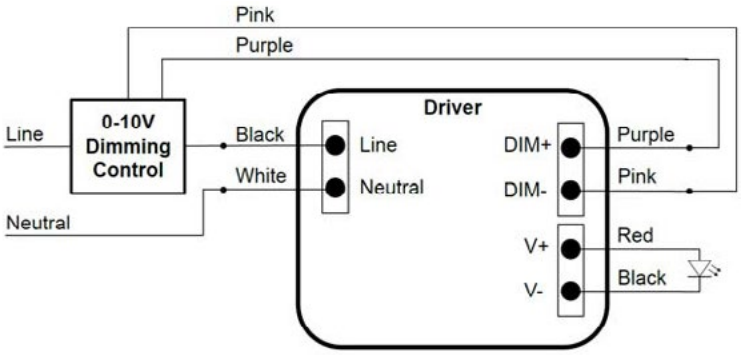
No Dimming
Input 120VAC-277VAC 50/60Hz

NOTE:
Cap off unused wires individually.
DO NOT cap together.



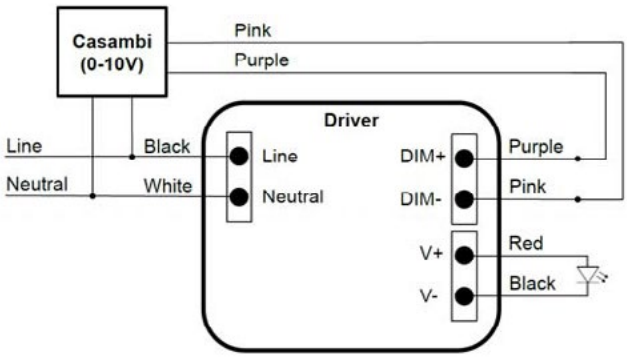
0-10V Dimming
Input 120VAC-277VAC 50/60Hz
Range 3%-100% dim to off

NOTE:
Cap off unused wires individually.
DO NOT cap together.



Casambi Dimming (CAS)
Input 120VAC-277VAC 50/60Hz
Range 0.1%-100% dim to off

NOTE:
Cap off unused wires individually.
DO NOT cap together.



JESCO recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance. Diagrams are examples of typical installations. Refer to specific dimmer manufacturer's documentations for details.

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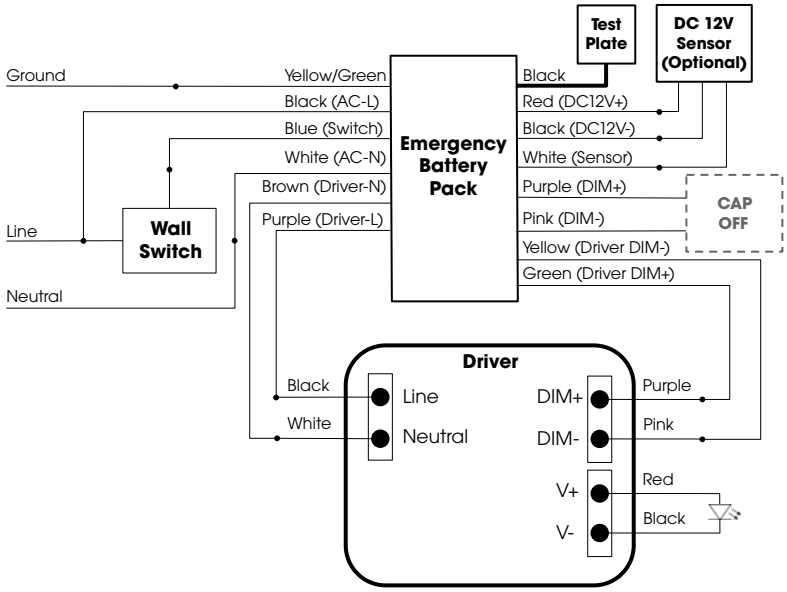
EMERGENCY BATTERY PACK WIRING DIAGRAM

Non-Dimming (010)

Input 120VAC-277VAC 50/60Hz

NOTE: Cap off unused wires individually.
DO NOT cap together.

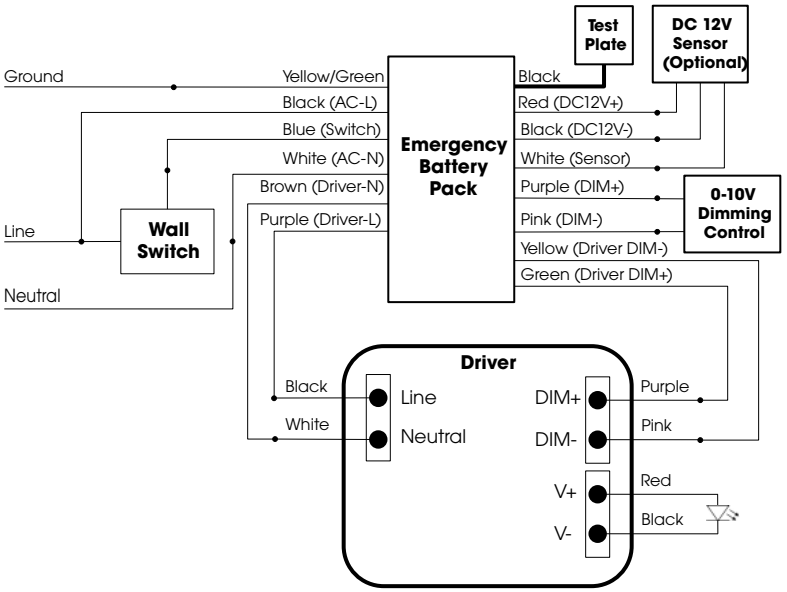


0-10V Dimming (010)

Input 120VAC-277VAC 50/60Hz
Range 0.1% - 100% dim to off

NOTE: Cap off unused wires individually.
DO NOT cap together.

Wall Switch and 0-10V dimmer may be one unit or two separate units



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