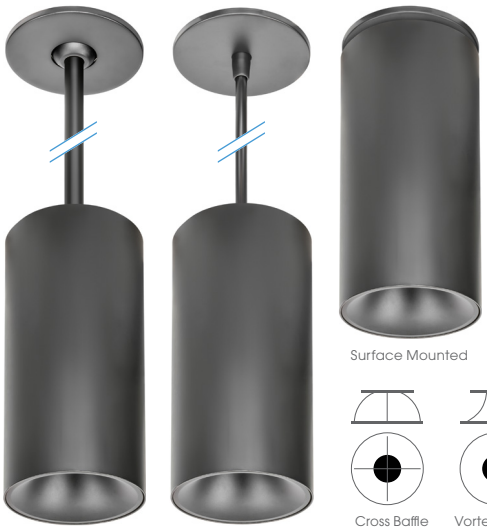
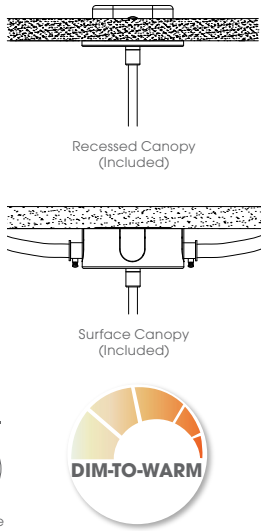
CYLINDRO

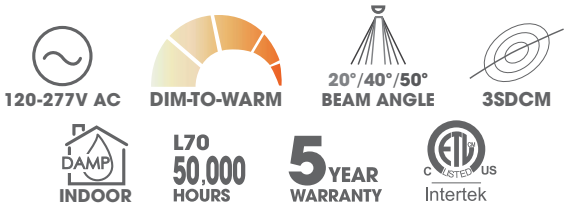
CYL40 DTW 4" DIM-TO-WARM CYLINDERS

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. When dimmed, the Dim-To-Warm fixture mimics the smooth dimming curve of incandescent lamps, providing 3000K at full brightness and dims to a warm 1800K. Fixtures are built to your exact specifications with a quick turn-around time, and ships ready to install.



SPECIFICATIONS

WATTAGE	10W	14W	18W
LUMENS	670 Lm	930 Lm	1200 Lm
EFFICACY	67 Lm/W	66 Lm/W	67 Lm/W
INPUT VOLTAGE	120-277V AC		
CRI	90+		
BEAM ANGLE	20°, 40°, 50°		
DIMMING	0-10V, CASAMBI Ready, see page 5		

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

ENVIRONMENT	Indoor - Damp
CERTIFICATIONS	c-ETL-us
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 3500K 90CRI Flood optic)

Luminaire Wattage	Delivered Lumens	Lumens/Watt	Emergency Power
10W	670 Lm	67	10W / 980 Lm
14W	930 Lm	66	14W / 930 Lm
18W	1200 Lm	67	15W / 1000 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			**DTW**					
4" Cylinder	**10W** - 10W **14W** - 14W **18W** - 18W	**010** – 0-10V **CAS** – Casambi	3000K - 1800K	**M-NF** - 20° **M-WF** - 40° **M-VW** - 50°	**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 **VC** – Vortex Custom[2] **CB** – Cross Black	**BK** – Black **WH** – White **CT** – Custom[2]

[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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Specifications subject to change without notice REV. 03/06/2024

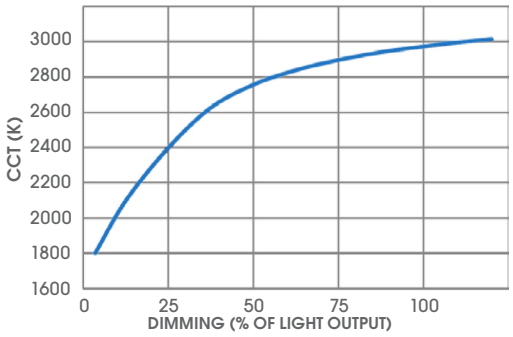
CYLINDRO

CYL40 DTW 4" DIM-TO-WARM CYLINDERS

JESCO LIGHTING GROUP

Fixture Type	
Project	
Notes	

CCT DIMMING CURVE



OPTIONAL EMERGENCY BATTERY PACK

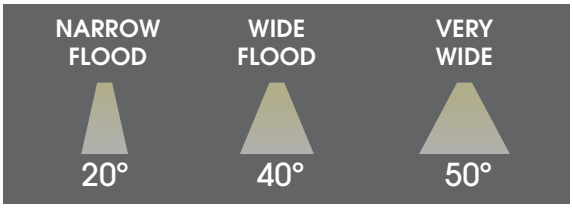
EM-LIN

15W 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

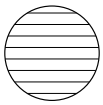
SELECT FROM 3 OPTIONS



Beam
M-NF – Narrow Flood 20°
M-WL – Flood 40°
M-VW – Very Wide 50°

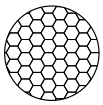
LENS

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

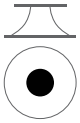
SELECT FROM 4 OPTIONS & RAL CUSTOM FINISHES

VW – Vortex White

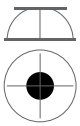
VB – Vortex Black

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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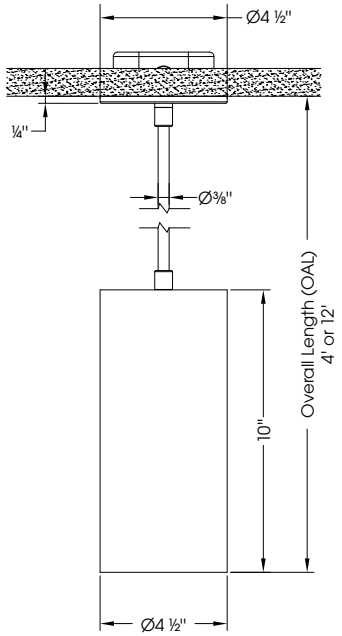
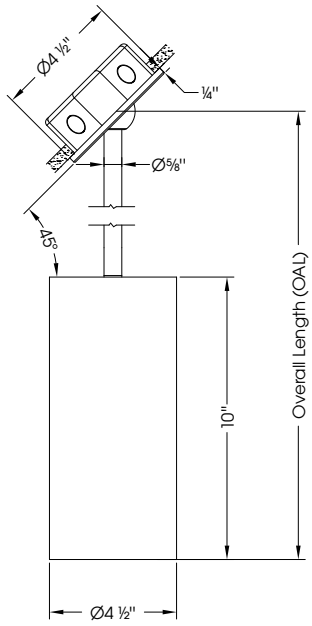
DIMENSIONS – RECESSED J-BOX

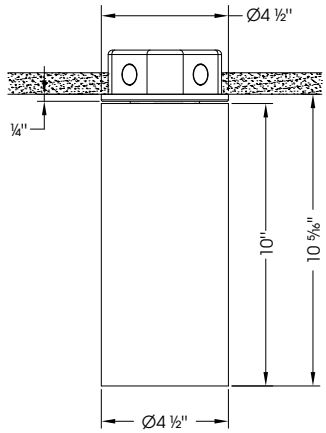
CORD MOUNT



SWIVEL STEM MOUNT

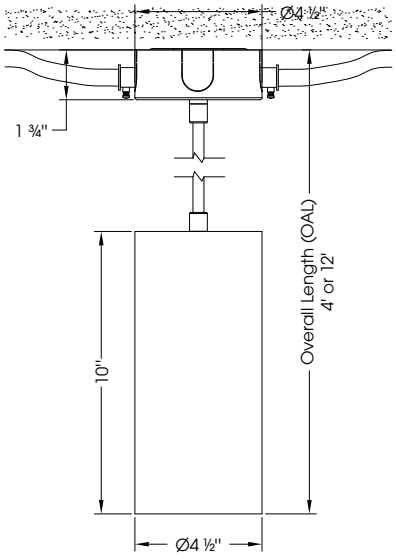


SURFACE MOUNT

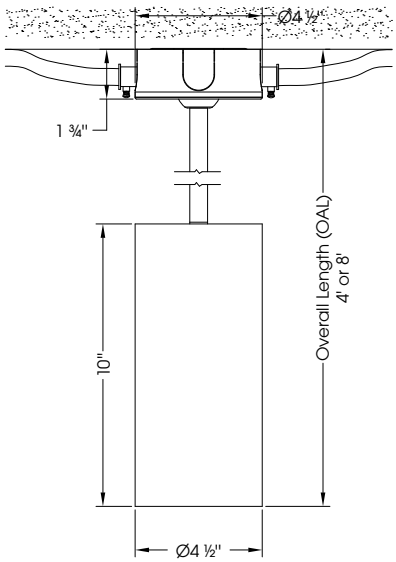


DIMENSIONS – SURFACE J-BOX

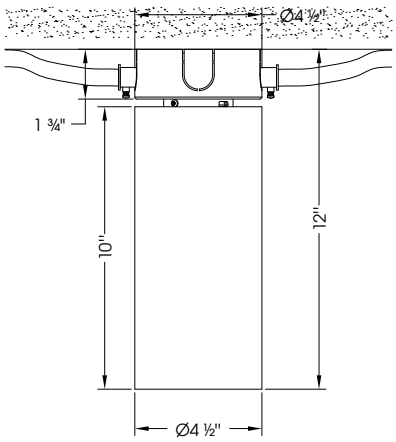
CORD MOUNT



SWIVEL STEM MOUNT



SURFACE MOUNT



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CYLINDRO

CYL40 DTW 4" DIM-TO-WARM CYLINDERS

JESCO LIGHTING GROUP

Fixture Type	
Project	
Notes	

APPLICATION DATA

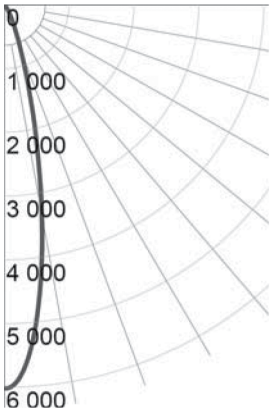
Vortex Baffle (18W 3000K)

Multiplying Factors

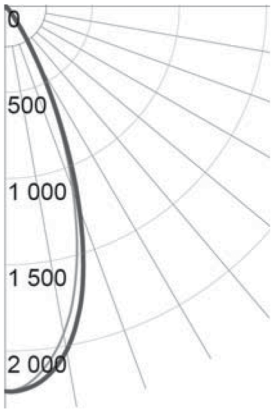
WATTAGE	10W	14W	18W
FACTOR	0.56	0.78	1.00

LENS	No Lens	Linear	Hexcell	Softening
FACTOR	1.00	0.78	0.67	0.77

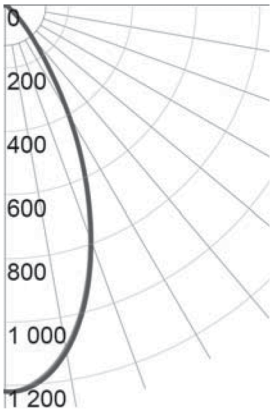
M-NF - 20° Narrow Flood
1113 Lm
40° Field Angle



M-WF - 40° Wide Flood
1104 Lm
65° Field Angle



M-VW - 50° Very Wide Flood
861 Lm
80° Field Angle



Candelas at Nadir

DEGREES	CANDELA
0	6012
5	5219
15	1639
25	357
35	90
45	20

DEGREES	CANDELA
0	2233
5	2193
15	1708
25	743
35	147
45	28

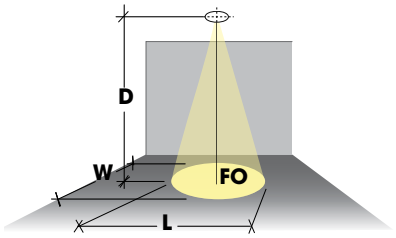
DEGREES	CANDELA
0	1219
5	1196
15	970
25	594
35	235
45	70

0° Aiming Angle Horizontal Footcandles

D	FC	L	W
5.0'	240	1.9	1.9
7.5'	107	2.9	2.9
10.0'	60	3.8	3.8
12.5'	38	4.8	4.8

D	FC	L	W
5.0'	89	3.7	3.7
7.5'	40	5.5	5.5
10.0'	22	7.3	7.3
12.5'	14	9.1	9.1

D	FC	L	W
5.0'	49	4.7	4.7
7.5'	22	7.0	7.0
10.0'	12	9.3	9.3
12.5'	8	11.7	11.7



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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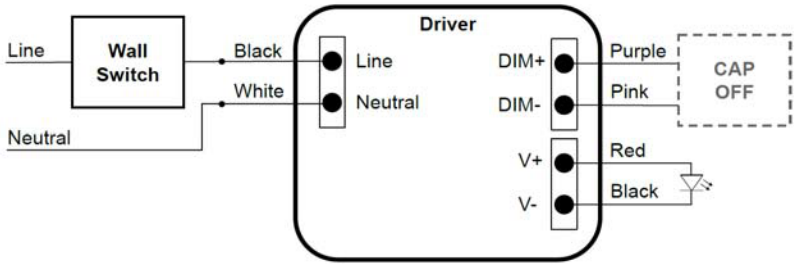
WIRING DIAGRAM

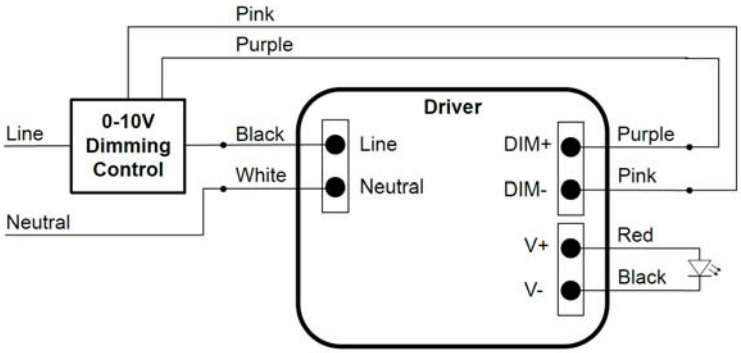
No Dimming
Input 120VAC-277VAC 50/60Hz

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



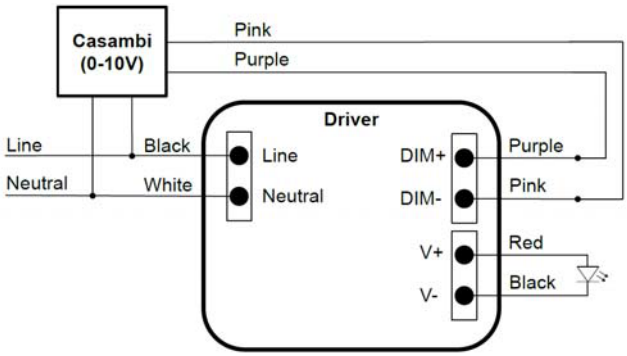
0-10V Dimming
Input 120VAC-277VAC 50/60Hz
Range 3%-100% dim to off

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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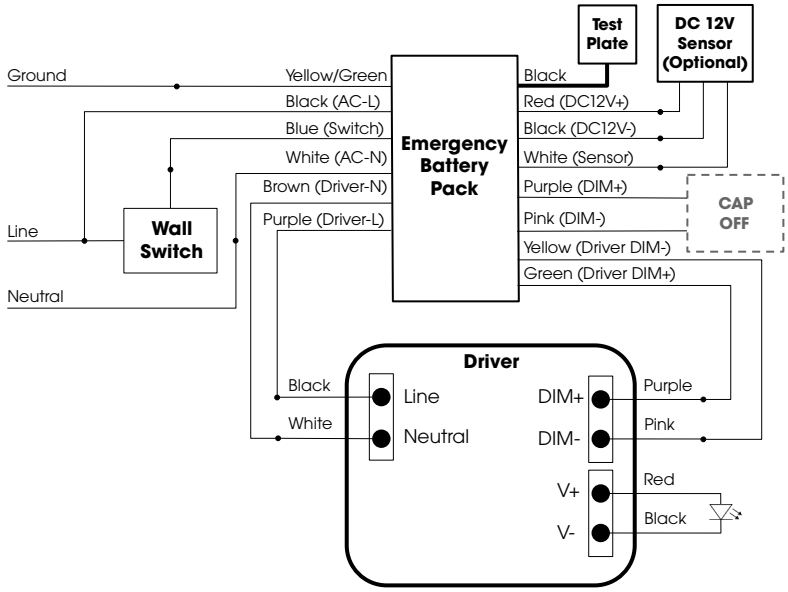
EMERGENCY BATTERY PACK WIRING DIAGRAM

Non-Dimming (010)

Input 120VAC-277VAC 50/60Hz

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

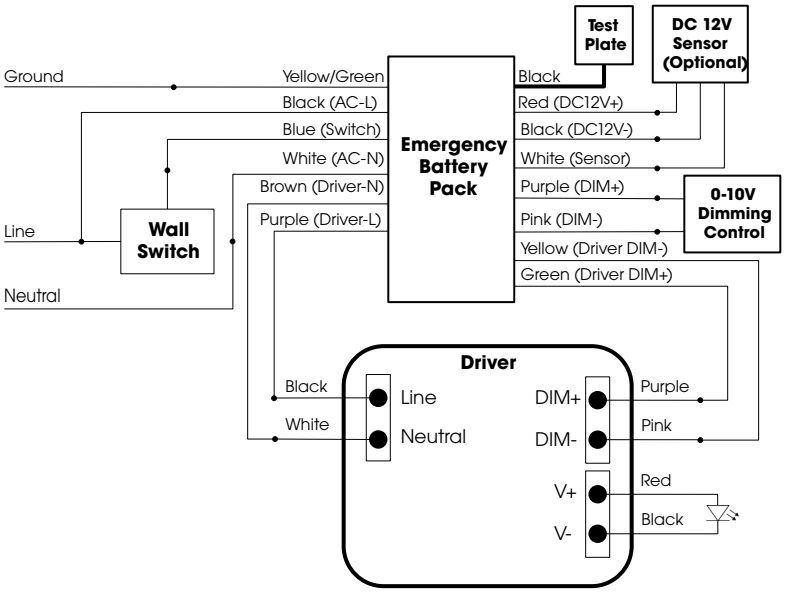


0-10V Dimming (010)

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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