



Light Engine



Diffuser Lens

Product Features

Crafted with precision and attention to detail, combining a suite of customizable features with our high performing LED modules, the Cylinder series provides brilliant illumination and beautiful design versatile enough for whatever your project's needs. Powerful Bridgelux light engine available with 2700K, 3000K, 3500K and 4000K CCT, 85% of luminous flux after 50,000 hours; cULus listed for damp location.

Technical Specifications

INPUT VOLTAGE	AC120-277V
FREQUENCY	50/60hz
LUMEN	2800 ~ 5100LM
WATTAGE	12 ~ 40W
LPW	87lm/W
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K
COLOR RENDERING INDEX	>80 / >90
DISTRIBUTION	90°
IP RATING	Damp Location
LIFE SPAN	>50,000 Hours
DIMMING	0-10V-10% / 1% / Triac





CYLINDER SERIES | CY-DF

SUBMITTAL WORKSHEET

Order Code Example: Series + Light Engine+ CCT + Distribution + Baffle + Housing Finish + Driver

CY - 4 - 830 - DF - WH - BK - blank

A B C D E F G

A SERIES

CY Cylinder Series

B LIGHT ENGINE (CHOOSE ONE)

CODE	DIMENSION	POWER	LUMEN	LPW
4	ø 3.94" x 8.46"	Field Selectable 12W / 18W / 25W	2,203lm (Avg.)	95
6	ø 5.88" x 8.76"	Field Selectable 20W / 30W / 40W	3,410lm (Avg.)	105

C CCT (CHOOSE ONE)

CODE	CCT
827	80CRI, 2700K
830	80CRI, 3000K
835	80CRI, 3500K
840	80CRI, 4000K
927	90CRI, 2700K
930	90CRI, 3000K
935	90CRI, 3500K
940	90CRI, 4000K

D DISTRIBUTION (CHOOSE ONE)

CODE	DISTRIBUTION
DF	Diffuser Lens, Beam Angle 90°

E BAFFLE (CHOOSE ONE) *SPEC ON PG 5

BK	Satin Black
WH	Satin White

F HOUSING FINISH (CHOOSE ONE)

BK	Satin Black Finish
WH	Satin White Finish
CC*	Customized Color Finish

*see Customized Color Chart on pg 4

G DRIVER (CHOOSE ONE)

blank	120-277V Input, 0-10V 10% Dimming Driver
1T	120-277V Input 2-in-1: 0-10V 1% Triac Dimming Driver



CYLINDER SERIES | CY-DF

SUBMITTAL WORKSHEET

Order Code Example: Mounting

QM-REC - blank

H I

Order Code Example: EMB

EMB-H18170

J

H MOUNTING (CHOOSE ONE) *SPEC ON PG 5--6

QM-REC	Suspension Kit for Recessed J-box (J-box above finished ceiling) Specify Cable length 2FT 4FT 8FT 12FT
QM-SM	Suspension Kit for Surface J-box (J-box below finished ceiling) Specify Cable length 2FT 4FT 8FT 12FT
STM-REC	Slope Ceiling Stem Mount Kit for Recessed J-box (J-box above finished ceiling) Specify Stem length 2FT 4FT 8FT 12FT
STM-SM	Slope Ceiling Stem Mount Kit for Surface J-box (J-box below finished ceiling) Specify Stem length 2FT 4FT 8FT 12FT
SM-REC	Surface Mount Kit for Recessed J-box (J-box above finished ceiling)
SM-SM	Surface Mount Kit for Surface J-box (J-box below finished ceiling)

I MOUNTING FINISH (CHOOSE ONE)

blank	Matching Fixture Housing Finish
BK	Satin Black Finish

J OPTIONS

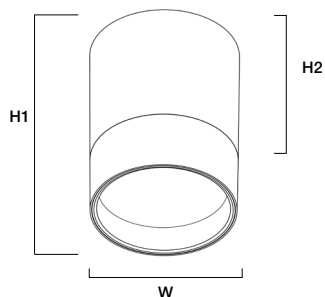
BAA	Assembled in America, Compliant with BAA (COTS)
EMB-H08170	90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
EMB-H18170	90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output

*see page 8 for emb spec

CYLINDER SERIES | CY-DF

DIMENSIONS

CODE	DIMENSION		
	H1	H2	W
CY-4 (Engine w/Baffle)	8.46"	6.19"	ø 3.94"
CY-6 (Engine w/Baffle)	8.76"	5.91"	ø 5.88"



CY Light Engine Summary

LED Chip: Bridgelux

Power: CY-4: 12/18/25W | CY-6: 20/30/40W

Quality: >80CRI | >90 CRI, 3-step SDCM

CCT: 2700K | 3000K | 3500K | 4000K

Input: 120~277V, 50/60Hz

Dimming: 0-10V 10% Dimming | 0-10V 1% Dimming | TRIAC Dimming

Dimmer: Tested with Lutron Diva-DVTV, Leviton IP-710-DL

Power Factor: Greater than 0.9

Ambient Operating Temperature: -20°C to 40°C

Lifetime: 50,000 hours at 70% lumen maintenance

Listing: cULus Damp Location

COLOR CHART (CHOOSE ONE)

CC
RAL

Specify Color Code:

Specify RAL Color:



GR - Green



BL - Blue



PP - Purple



PK - Pink



RD - Red



OG - Orange



YW - Yellow



BK - Satin Black



GB - Gloss Black



WH - Satin White



GW - Gloss White



OB - Oil Rubbed Bronze



GZ - Gloss Bronze



MS - Matte Silver



MBS - Matte Brass

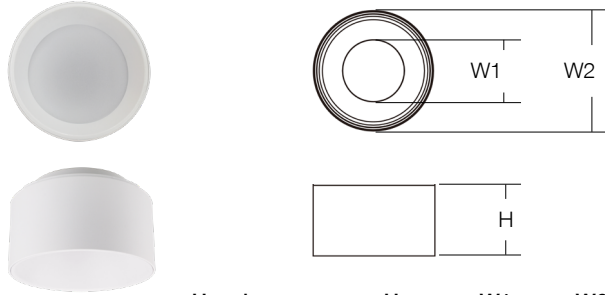


GBS - Gloss Brass

CYLINDER SERIES | CY-DF

DIMENSIONS - BAFFLES

DF - Diffuser Lens



Housing

CY-4
CY-6

H

2.17"
2.85"

W1

ø3.09"
ø4.25"

W2

ø3.94"
ø5.88"

CYLINDER SERIES | CY-DF

DIMENSIONS - QM MOUNT

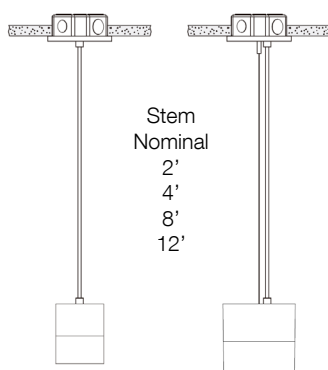
QM-REC - Suspension Kit for Recessed J-box (J-box above finished ceiling)



CY-4

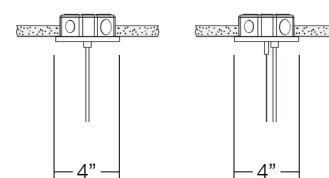


CY-6



CY-4
Suspended via
Power Cord

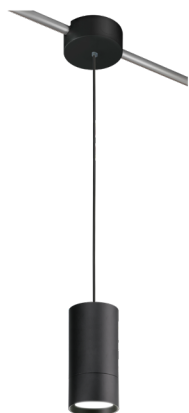
CY-6
Suspended via
Aircraft Cable



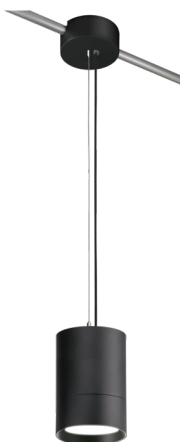
CY-4
4" Canopy
with Power Cable
(Covers 40 Box)

CY-6
4" Canopy
with AC Cable and
Power Cable
(Covers 40 Box)

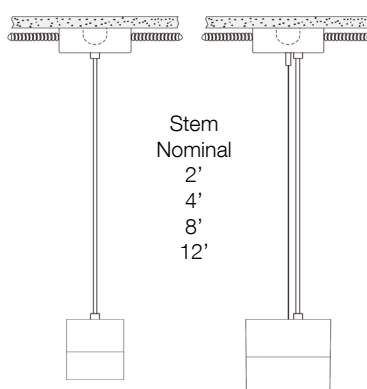
QM-SM - Suspension Kit for Surface J-box (J-box below finished ceiling)



CY-4

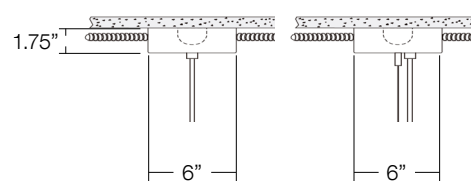


CY-6



CY-4
Suspended via
Power Cord

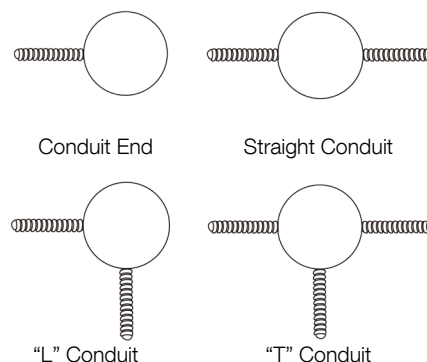
CY-6
Suspended via
Aircraft Cable



CY-4
6" Surface Canopy
for Power Cable
(Covers 40 Box)

CY-6
6" Surface Canopy
with AC Cable and
Power Cable
(Covers 40 Box)

Surface Conduit Layout



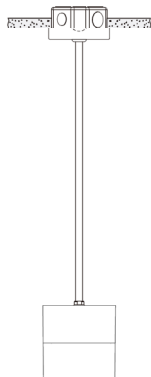
CYLINDER SERIES | CY-DF

DIMENSIONS - STEM MOUNT

STM-REC - Slope Ceiling Stem Kit for Recessed J-box (J-box above finished ceiling)

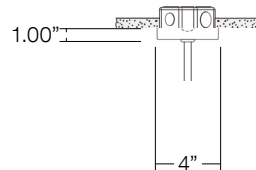


CY-4 / CY-6



CY-4 / CY-6
Suspended via Stem

Stem
Nominal
2'
4'
8'
12'

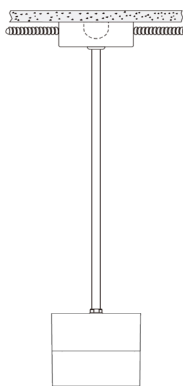


CY-4 / CY-6
4" Canopy
for Stem Mount
(Covers 40 Box)

STM-SM - Slope Ceiling Stem Kit for Surface J-box (J-box below finished ceiling)

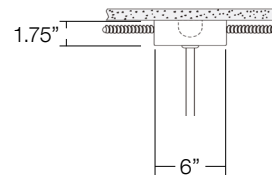


CY-4 / CY-6



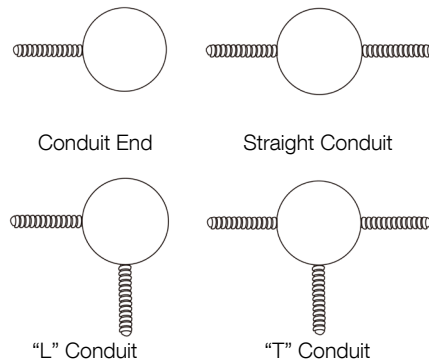
CY-4 / CY-6
Suspended via Stem

Stem
Nominal
2'
4'
8'
12'



CY-6
6" Surface Canopy
for Stem Mount
(Covers 40 Box)

Surface Conduit Layout



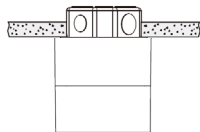
CYLINDER SERIES | CY-DF

DIMENSIONS - SURFACE MOUNT

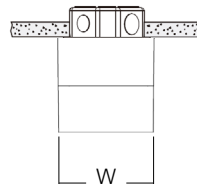
SM-REC - Surface Mount Kit for Recessed J-box (J-box above finished ceiling)



CY-4 / CY-6



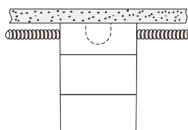
CY-4 / CY-6
Surface Mount



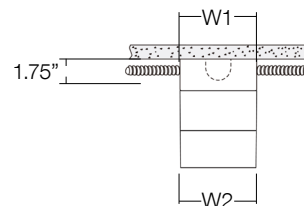
CY-4 / CY-6
Surface Mount
(Covers 40 Box)

	W
CY-4	ø 3.94"
CY-6	ø 5.88"

SM-SM - Surface Mount Kit for Surface J-box (J-box below finished ceiling)



CY-4 / CY-6
Surface Mount



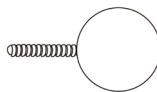
CY-6
6" Surface Canopy
(Covers 40 Box)

Surface Conduit Layout

	W1	W2
CY-4	ø 6.00"	ø 3.94"
CY-6	ø 6.00"	ø 5.88"

CY-4

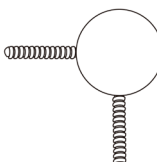
CY-6



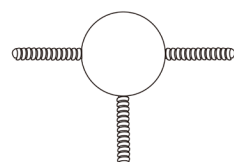
Conduit End



Straight Conduit



"L" Conduit

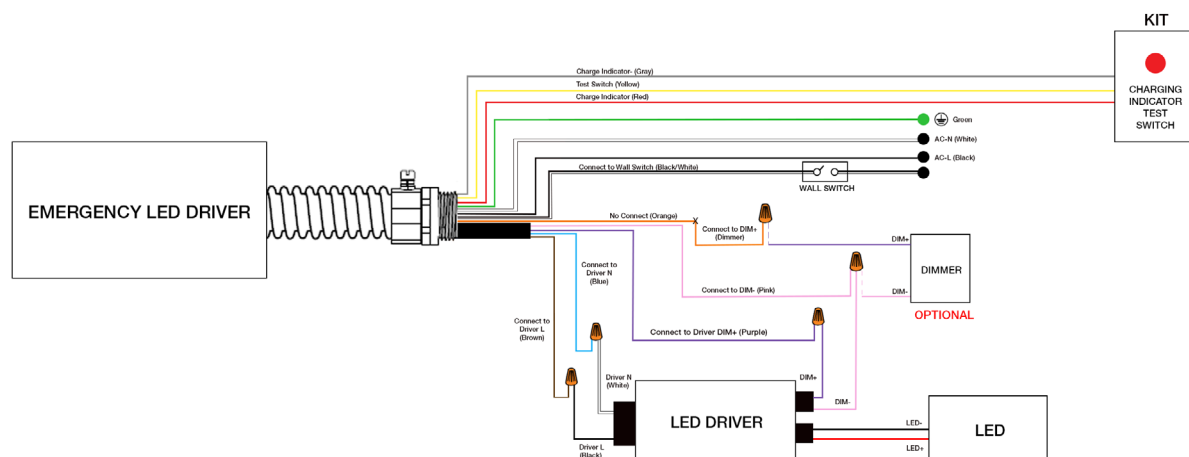


"T" Conduit

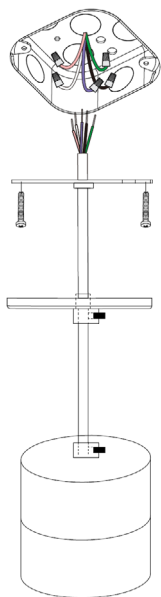
CYLINDER SERIES | CY-DF

EMB SPEC

Model	Battery Capacity	Input	Output	Output Power	Operating Temp	Installation
EMB-H08170	90mins	100-347VAC	170VDC	8W	0°C ~ 50°C 32°F ~ 122°F	Field Install
EMB-H18170	90mins	100-347VAC	170VDC	18W	0°C ~ 50°C 32°F ~ 122°F	Field Install



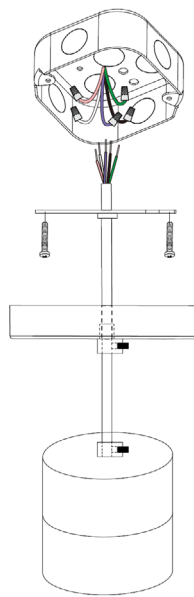
INSTALLATION



QM-REC

For CY-4

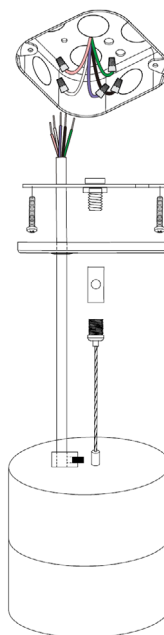
Power Cable Suspension Kit
for Recessed J-box



QM-SM

For CY-4

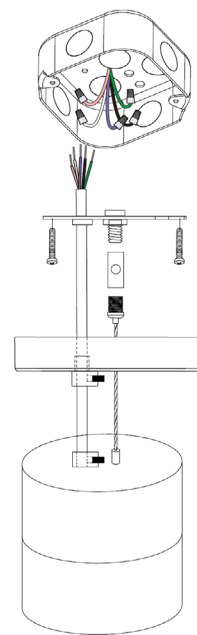
Power Cable Suspension Kit
for Surface J-box



QM-REC

For CY-6

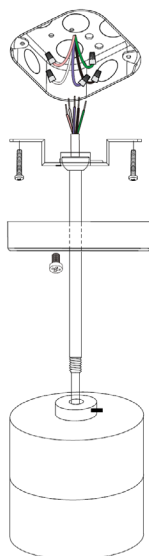
Aircraft Cable Suspension
for Recessed J-box



QM-SM

For CY-6

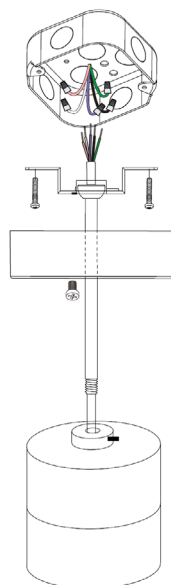
Aircraft Cable Suspension
for Surface J-box



STM-REC

For CY-4 / CY-6

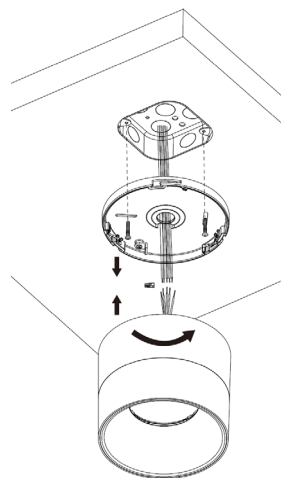
Stem Mount Kit
for Recessed J-box



STM-SM

For CY-4 / CY-6

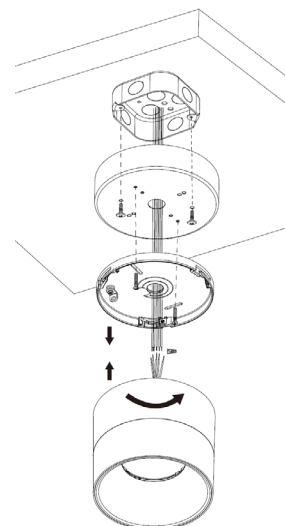
Stem Mount Kit
for Surface J-box



SM-REC

For CY-4 / CY-6

Surface Mount Kit
for Recessed J-box



SM-SM

For CY-4 / CY-6

Surface Mount Kit
for Surface J-box