

## MINI 1.5 | RECESSED DOWNLIGHT



FIXED



ADJUSTABLE



WALLWASH

### ROUND

#### FLANGED TRIM



#### FLANGELESS TRIM



### SQUARE

#### FLANGED TRIM



#### FLANGELESS TRIM



### MATERIAL

Aluminum Die-Casting, Electrostatic Powder Coating

### SOURCE INFORMATION

SOURCE LUMENS	Up to 1359lm
DELIVERED LUMENS	Up to 1075lm
CONSUMPTION	Up to 13W
CURRENT	500mA
INPUT VOLTAGE	120VAC-277VAC
DIMMING	TRIAC/ELV / 0-10V (1%) / 10V PWM
CRI	90+
COLOR TEMP-CCT	2700K/3000K/3500K/4000K/ DW (DIM TO WARM)
OPERATING TEMP	32°F to 77°F

OPERATING TEMPERATURE Luminaire should be installed and operated ONLY in dry environments where the ambient temperature ranges from 32°F to 77°F ( 0°C to 25°C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

### TYPE OF LED

COB by Bridgelux

### WARRANTY

5 years

### LENS BEAM ANGLE



15°  
Spot



24°  
Narrow Flood



36°  
Flood



60°  
Wide Flood

### TRIM FINISH



Black



White



Custom

Fixture type:

Job information:

### PRODUCT DEFINITION SHEET

Ex: CTL-M-1.5-RD-FX-TF-SG-30K-15-OP-WH-3L-V10-U-EM10-RM-NN

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

1	2	3	4
SERIES	LIGHT ENGINE TYPE	TRIM SHAPE	REFLECTOR TYPE
<input type="checkbox"/> <b>CTL-M</b> Constellation Mini	<input type="checkbox"/> <b>1.5</b> 1.5 High Efficiency Standard <input type="checkbox"/> <b>1.5S</b> 1.5 High Efficiency Shallow	<input type="checkbox"/> <b>RD</b> Round <input type="checkbox"/> <b>SQ</b> Square	<input type="checkbox"/> <b>FX</b> Fixed <input type="checkbox"/> <b>AD</b> Adjustable <input type="checkbox"/> <b>WW</b> Wall Wash

5	6	7	8	9
MOUNTING PAN	LIGHT ENGINES	COLOR TEMP-CCT (90 CRI)	LENS BEAM ANGLE	REFLECTOR - INSERT
<input type="checkbox"/> <b>TF</b> Flanged Trim <input type="checkbox"/> <b>TL</b> Flangeless Trim	<input type="checkbox"/> <b>SG</b> Single	<input type="checkbox"/> <b>27K</b> 2700K <input type="checkbox"/> <b>30K</b> 3000K <input type="checkbox"/> <b>35K</b> 3500K <input type="checkbox"/> <b>40K</b> 4000K <input type="checkbox"/> <b>DM</b> Dim to Warm	<input type="checkbox"/> <b>15</b> 15° Spot <input type="checkbox"/> <b>24</b> 24° Narrow <input type="checkbox"/> <b>36</b> 36° Flood <input type="checkbox"/> <b>60</b> 60° Wide Flood	<input type="checkbox"/> <b>OP</b> Open

10	11	12	13
TRIM FINISH	LUMEN OUTPUT	DRIVER	VOLTAGE
<input type="checkbox"/> <input type="checkbox"/> <b>WH</b> White <input type="checkbox"/> <input type="checkbox"/> <b>BK</b> Black <input type="checkbox"/> Custom RAL No. _____	<input type="checkbox"/> <b>2L</b> 200lm <input type="checkbox"/> <b>3L</b> 300lm <input type="checkbox"/> <b>4L</b> 400lm <input type="checkbox"/> <b>7L</b> 700lm <input type="checkbox"/> <b>8L</b> 800lm <input type="checkbox"/> <b>9L</b> 900lm <input type="checkbox"/> <b>10L</b> 1000lm  See pages 3 to 10 for light engine output available	<input type="checkbox"/> <b>1</b> 0-10V 1% Dimming <input type="checkbox"/> <b>TLV</b> TRIAC/ELV 1% Dimming <input type="checkbox"/> <b>PWM</b> 10V PWM 1% Dimming  Remote Constant Current Driver  Max distance: 196-ft using 12 AWG wire 100-ft using 16 AWG wire 50-ft using 18 AWG wire	<input type="checkbox"/> <b>U</b> Uni 120-277V

14	15	16
STANDBY MODULES	INSTALLATION TYPE	OPTICS ACCESSORY
<input type="checkbox"/> <b>EM10</b> Emergency Battery Pack 10W <input type="checkbox"/> <b>EM12</b> Emergency Battery Pack 12W <input type="checkbox"/> <b>NO OPTION</b>  Remote Emergency Battery Pack, for field install  Max distance with EM = 50 ft	<input type="checkbox"/> <b>RM</b> Remote <input type="checkbox"/> <b>NCNIC</b> New Construction Non-IC Frame <input type="checkbox"/> <b>NCIC</b> New construction IC	<input type="checkbox"/> <b>NN</b> None <input type="checkbox"/> <b>HL</b> Honeycomb louver + PC sheet <input type="checkbox"/> <b>SG</b> Striped Glass Lens  Accessories are not suitable for wallwash fixtures



Honeycomb louver + PC sheet



Striped Glass

# CONSTELLATION

## MINI 1.5 - RECESSED DOWNLIGHT



### ROUND FLANGED TRIM (STANDARD LIGHT ENGINE)



<b>FIXED</b>	1.5-RD-FX-TF-SG			
<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	824lm	864lm	887lm	438lm

<b>ADJUSTABLE (30°)</b>	1.5-RD-AD-TF-SG			
<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	793lm	842lm	854lm	406lm

<b>WALLWASH</b>	1.5-RD-WW-TF-SG			
<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15° only			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	396lm	424lm	427lm	273lm

**Multiplier for Optics Accessories**

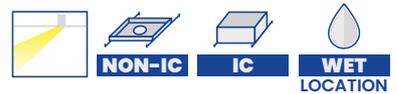
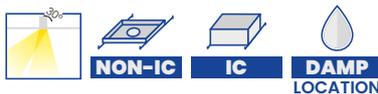
Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%

**Multiplier for Optics Accessories**

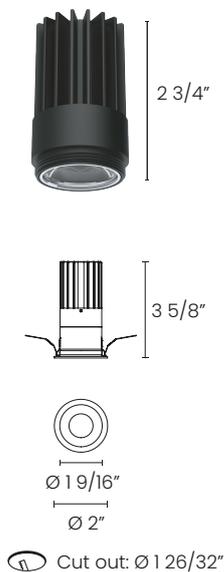
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Honeycomb louver	67%
Striped Glass Lens	78%

**Multiplier for Optics Accessories**

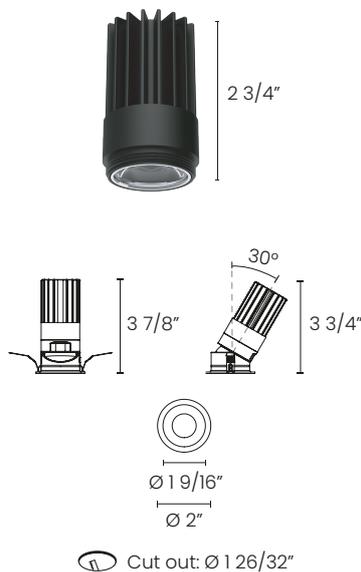
Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



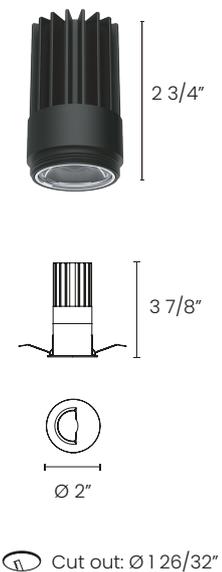
#### DIMENSIONS



#### DIMENSIONS



#### STANDARD LIGHT ENGINE



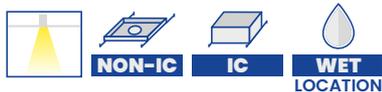
### ROUND FLANGED TRIM (SHALLOW LIGHT ENGINE)



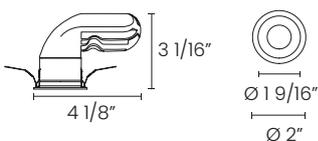
<b>FIXED</b>	1.5S-RD-FX-TF-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	970lm	1032lm	1045lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



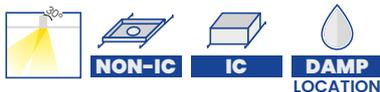
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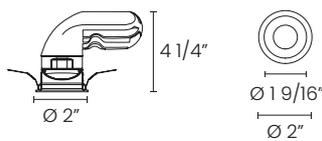
<b>ADJUSTABLE (30°)</b>	1.5S-RD-AD-TF-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	934lm	995lm	1007lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



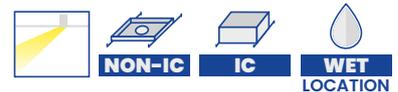
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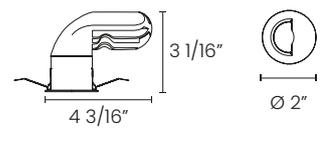
<b>WALLWASH</b>	1.5S-RD-WW-TF-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15° only		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	567lm	608lm	612lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



Ⓢ Cut out:  $\varnothing$  1 26/32"

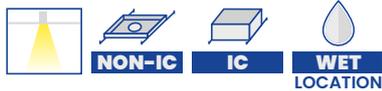
### ROUND FLANGELESS TRIM (STANDARD LIGHT ENGINE)



FIXED		1.5-RD-FX-TL-SG			
CONSUMPTION	10W				
CURRENT	500mA				
LENS BEAM ANGLE	15°/24°/36°/60°				
CRI	90+				
CCT	2700K	3000K	4000K	Dim to Warm	
DELIVERED LUMEN	824lm	864lm	887lm	464lm	

Multiplier for Optics Accessories

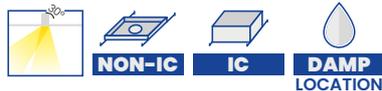
Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



ADJUSTABLE (30°)		1.5-RD-AD-TL-SG			
CONSUMPTION	10W				
CURRENT	500mA				
LENS BEAM ANGLE	15°/24°/36°/60°				
CRI	90+				
CCT	2700K	3000K	4000K	Dim to Warm	
DELIVERED LUMEN	793lm	842lm	854lm	406lm	

Multiplier for Optics Accessories

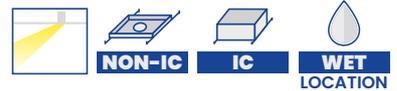
Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



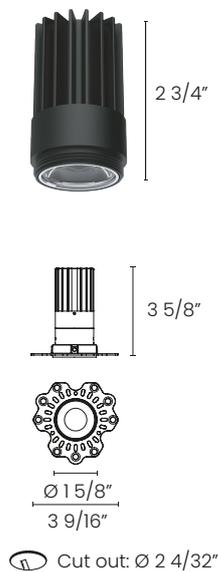
WALLWASH		1.5-RD-WW-TL-SG			
CONSUMPTION	10W				
CURRENT	500mA				
LENS BEAM ANGLE	15° only				
CRI	90+				
CCT	2700K	3000K	4000K	Dim to Warm	
DELIVERED LUMEN	396lm	424lm	427lm	273lm	

Multiplier for Optics Accessories

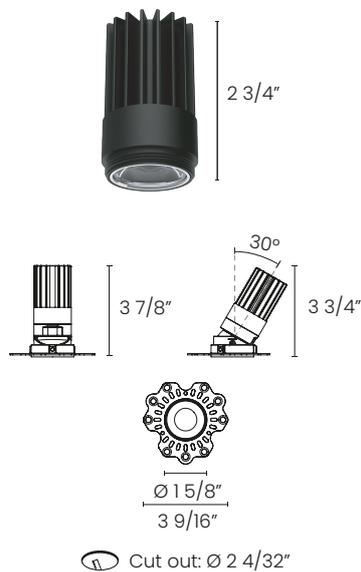
Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



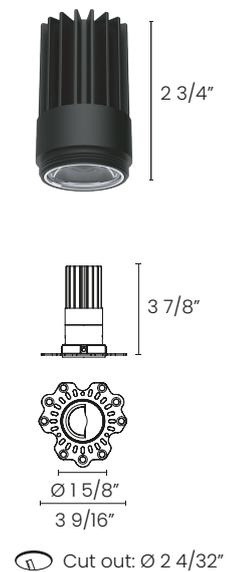
#### DIMENSIONS



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#### DIMENSIONS



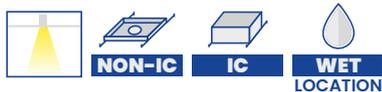
### ROUND FLANGELESS TRIM (SHALLOW LIGHT ENGINE)



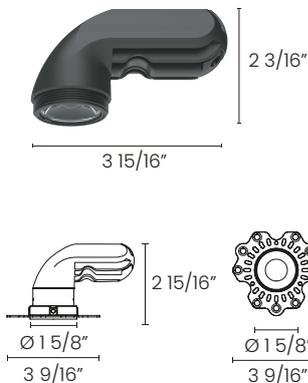
<b>FIXED</b>	1.5S-RD-FX-TL-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	970lm	1032lm	1045lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



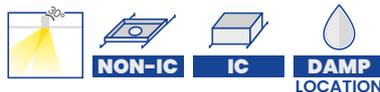
⌀ Cut out:  $\varnothing$  2 4/32"



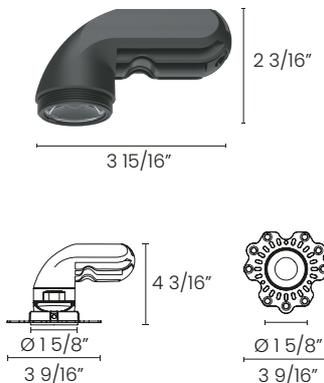
<b>ADJUSTABLE (30°)</b>	1.5S-RD-AD-TL-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	934lm	995lm	1007lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



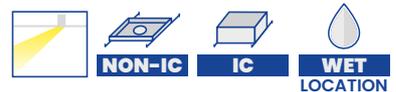
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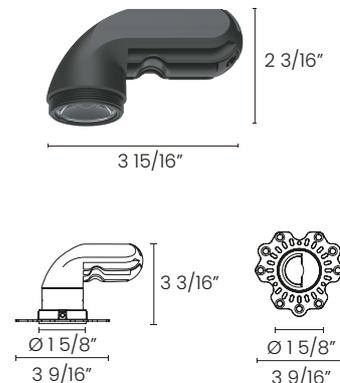
<b>WALLWASH</b>	1.5S-RD-WW-TL-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15° only		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	567lm	608lm	612lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



⌀ Cut out:  $\varnothing$  2 4/32"

### SQUARE FLANGED TRIM (STANDARD LIGHT ENGINE)

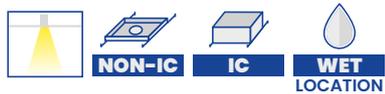


#### FIXED 1.5-SQ-FX-TF-SG

<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	814lm	861lm	877lm	438lm

#### Multiplier for Optics Accessories

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%

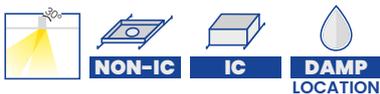


#### ADJUSTABLE (30°) 1.5-SQ-AD-TF-SG

<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	739lm	780lm	796lm	355lm

#### Multiplier for Optics Accessories

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%

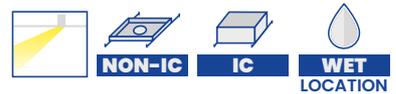


#### WALLWASH 1.5-SQ-WW-TF-SG

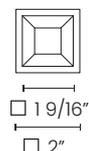
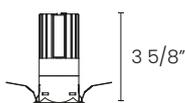
<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15° only			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	418lm	445lm	450lm	277lm

#### Multiplier for Optics Accessories

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%

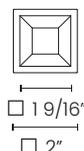


#### DIMENSIONS



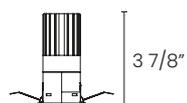
 Cut out: 1 26/32" x 1 26/32"

#### DIMENSIONS



 Cut out: 1 26/32" x 1 26/32"

#### DIMENSIONS



 Cut out: 1 26/32" x 1 26/32"

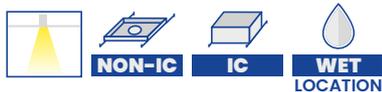
### SQUARE FLANGED TRIM (SHALLOW LIGHT ENGINE)



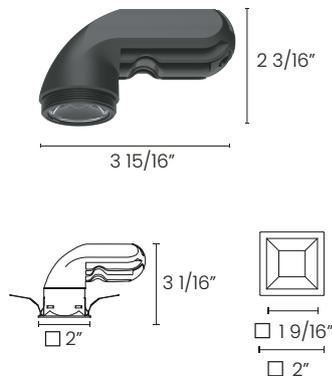
<b>FIXED</b>	1.5S-SQ-FX-TF-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	997lm	1062lm	1075lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



 Cut out: 1 26/32" x 1 26/32"



<b>ADJUSTABLE (30°)</b>	1.5S-SQ-AD-TF-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	500mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	870lm	911lm	923lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



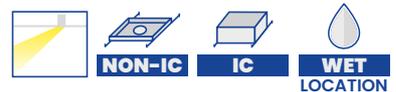
 Cut out: 1 26/32" x 1 26/32"



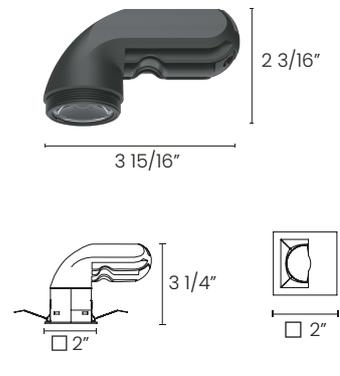
<b>WALLWASH</b>	1.5S-SQ-WW-TF-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15° only		
<b>CRI</b>	90+		
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<b>DELIVERED LUMEN</b>	567lm	608lm	612lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



 Cut out: 1 26/32" x 1 26/32"

### SQUARE FLANGELESS TRIM (STANDARD LIGHT ENGINE)



#### FIXED 1.5-SQ-FX-TL-SG

<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	814lm	861lm	877lm	438lm

#### Multiplier for Optics Accessories

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### ADJUSTABLE (30°) 1.5-SQ-AD-TL-SG

<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	739lm	780lm	796lm	355lm

#### Multiplier for Optics Accessories

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%

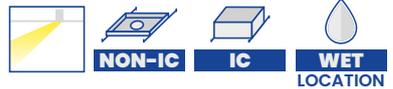


#### WALLWASH 1.5-SQ-WW-TL-SG

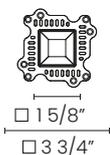
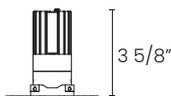
<b>CONSUMPTION</b>	10W			
<b>CURRENT</b>	500mA			
<b>LENS BEAM ANGLE</b>	15° only			
<b>CRI</b>	90+			
<b>CCT</b>	2700K	3000K	4000K	Dim to Warm
<b>DELIVERED LUMEN</b>	418lm	445lm	450lm	277lm

#### Multiplier for Optics Accessories

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%

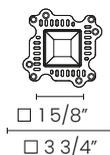


#### DIMENSIONS



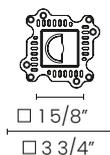
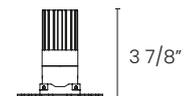
⚠ Cut out: 1 31/32" x 1 31/32"

#### DIMENSIONS



⚠ Cut out: 1 31/32" x 1 31/32"

#### DIMENSIONS



⚠ Cut out: 1 31/32" x 1 31/32"

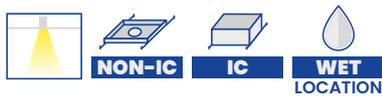
### SQUARE FLANGELESS TRIM (SHALLOW LIGHT ENGINE)



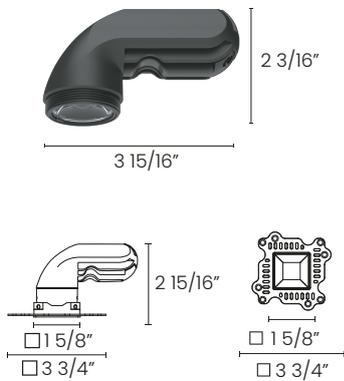
<b>FIXED</b>	1.5S-SQ-FX-TL-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	997lm	1062lm	1075lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



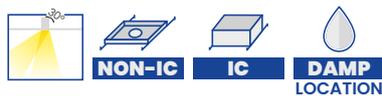
△ Cut out: 1 31/32" x 1 31/32"



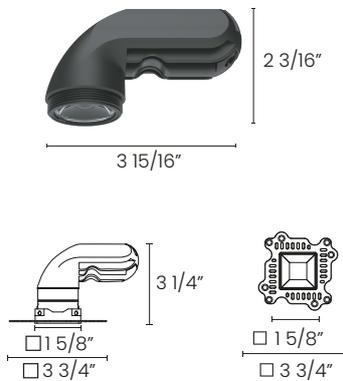
<b>ADJUSTABLE (30°)</b>	1.5S-SQ-AD-TL-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	500mA		
<b>LENS BEAM ANGLE</b>	15°/24°/36°/60°		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	870lm	911lm	923lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



#### DIMENSIONS



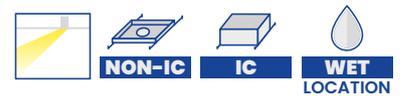
△ Cut out: 1 31/32" x 1 31/32"



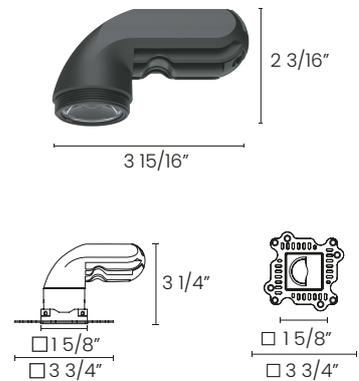
<b>WALLWASH</b>	1.5S-SQ-WW-TL-SG		
<b>CONSUMPTION</b>	13W		
<b>CURRENT</b>	600mA		
<b>LENS BEAM ANGLE</b>	15° only		
<b>CRI</b>	90+		
<b>CCT</b>	2700K	3000K	4000K
<b>DELIVERED LUMEN</b>	567lm	608lm	612lm

**Multiplier for Optics Accessories**

Clear (None)	100%
Honeycomb louver	67%
Striped Glass Lens	78%



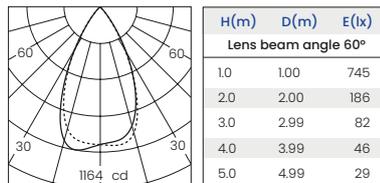
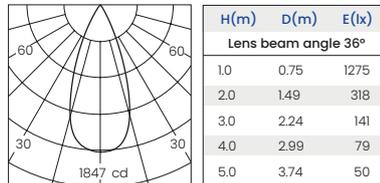
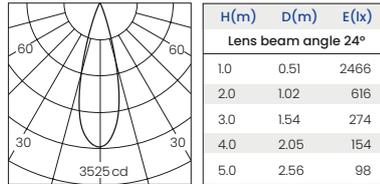
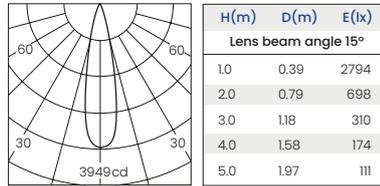
#### DIMENSIONS



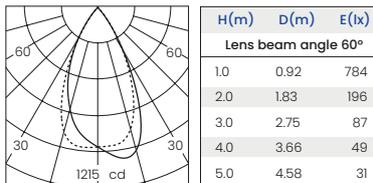
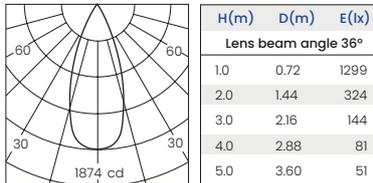
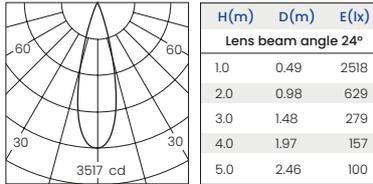
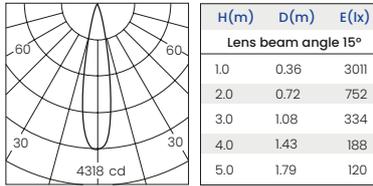
△ Cut out: 1 31/32" x 1 31/32"

### PHOTOMETRICS - FOR STANDARD LIGHT ENGINE FLANGED TRIM AND FLANGELESS TRIM

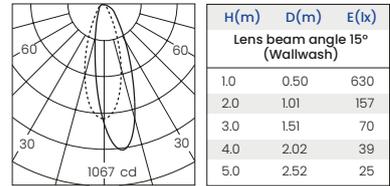
#### ROUND FIXED



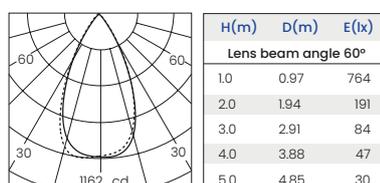
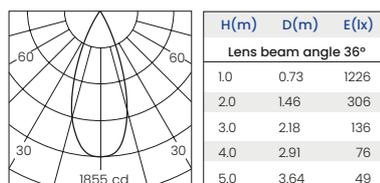
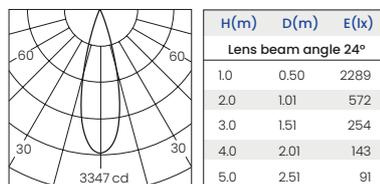
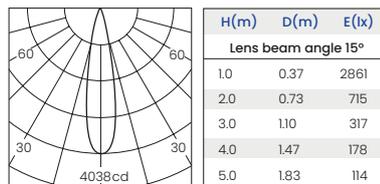
#### ROUND ADJUSTABLE



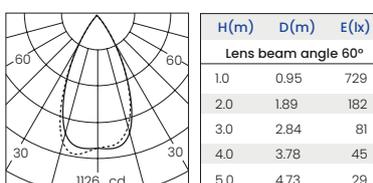
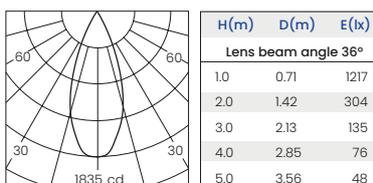
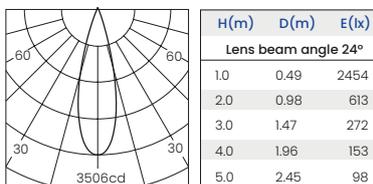
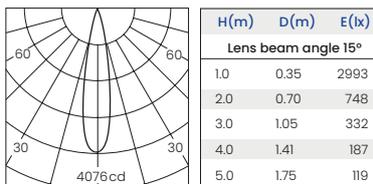
#### ROUND WALLWASH



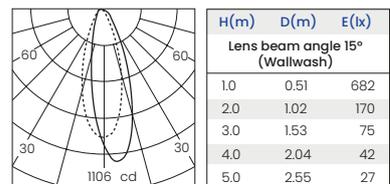
#### SQUARE FIXED



#### SQUARE ADJUSTABLE



#### SQUARE WALLWASH



### HOUSING



#### REMODEL/REMOTE ENCLOSED DRIVER

For Constellation Mini 1.5 round and square flange and flangeless trim

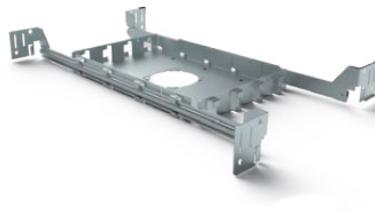
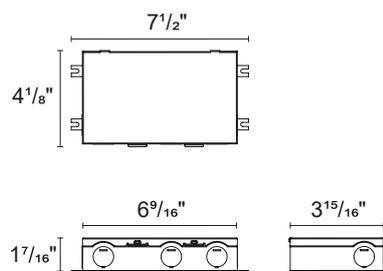
Installs from below, service from below

Type: Remote driver box

1 light engine flanged and flangeless trim

Flanged trim cut out:  
Round:  $\varnothing 1\ 26/32$ "  
Square:  $\square 1\ 26/32$ "

Flangeless trim cut out:  
Round:  $\varnothing 2\ 4/32$ "  
Square:  $\square 1\ 31/32$ "



#### NEW CONSTRUCTION NON-IC FRAME

For Constellation Mini 1.5 round and square flange and flangeless trim

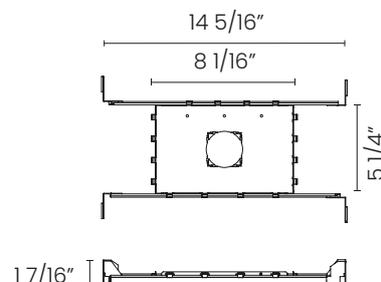
Installs from above, service from below

Type: New construction frame

1 light engine flanged and flangeless trim

Flanged trim cut out:  
Round:  $\varnothing 1\ 26/32$ "  
Square:  $\square 1\ 26/32$ "

Flangeless trim cut out:  
Round:  $\varnothing 2\ 4/32$ "  
Square:  $\square 1\ 31/32$ "



#### NEW CONSTRUCTION IC BOX

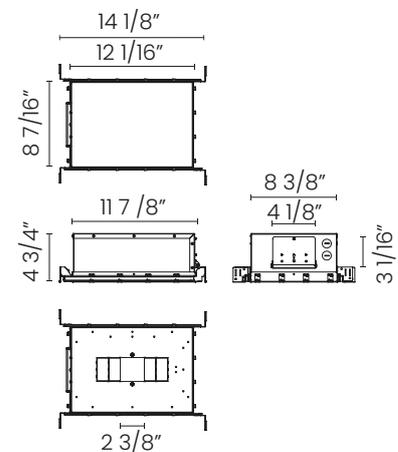
For Constellation Mini 1.5 round and square flanged and flangeless trim

Installs from above, service from below

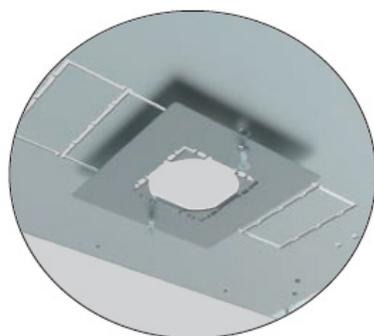
Type: IC Box

1 light engine flanged and flangeless trim

Cut out:  $2\ 13/32$ " x  $4\ 24/32$ "



### CUTOUT ACCESSORIES



#### ACCI-10-R45-S46

For Constellation Mini 1.5 flanged trim

Cut out:  
Round :  $\varnothing 1\ 26/32$ "  
Square :  $\square 1\ 26/32$ "



#### ACCI-10-R54-S50

For Constellation Mini 1.5 flangeless trim

Cut out:  
Round :  $\varnothing 2\ 4/32$ "  
Square :  $\square 1\ 31/32$ "

### DRIVER



SELV

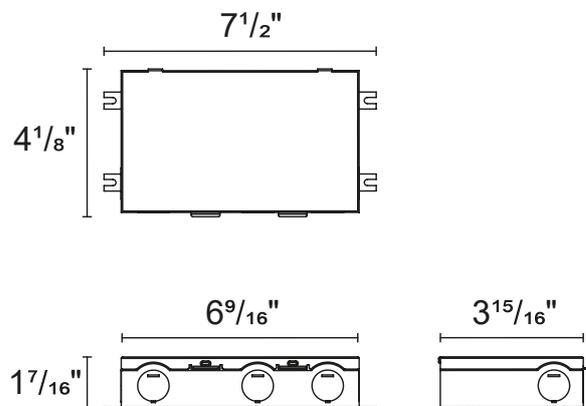
### KIG-DWJ Series 40W



### FEATURES

- Output: Constant Current
- Range: 100-277VAC
- PFC design: Built-in active PFC function
- Efficiency: Up to 82%
- Protections: Short circuit / Over temperature
- Heat dissipation: Cooling by free air convection
- Waterproof performance: Driver built-in Junction box, for dry and damp locations.
- Dimming function: Phase dimming: work with Forward phase, MLV and Reverse phase, ELV, TRIAC dimmers
- 0-10V dimming: 0-10V/1-10V/Potentiometer/10V PWM 4 in 1
- Dimming range: 1-100%
- Application: Suitable for the application of indoor LED lighting
- Warranty: 5 years warranty

### DIMENSIONS



### DRIVER

### KIG-DWJ Series 40W

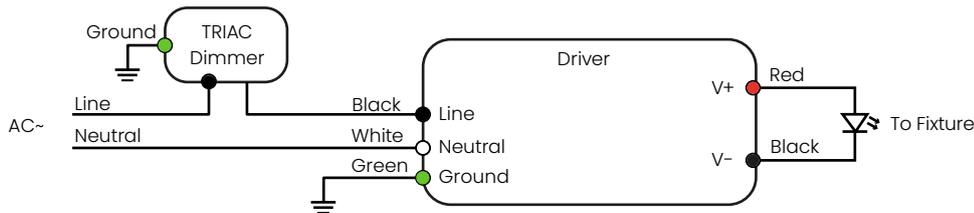
#### TECHNICAL PARAMETERS

Certificate		UL / cUL / FCC / ICES-005 / Class P / SELV / ROHS / REACH																	
Output	Rated current (A) <b>T</b> ON <b>↓</b> OFF	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4		
	DIP Code																		
	DIP Code																		
	Current Tolerance	±5%																	
	No-Load Voltage	75V max.																	
	DC Voltage (V)	3-65								3-62	3-57	3-50	3-45	3-40	3-37	3-34	3-31	3-29	
	Rated power (W)	19.5	22.8	26	29.3	32.5	35.8	39	40										
Input	Rated Voltage	100-277VAC																	
	Rated Frequency	50 / 60HZ																	
	Power Factor	>0.9																	
	THD@full load	≤20%																	
	Efficiency (Typ.)	≥82% @120VAC 60Hz								≥82% @277VAC 60Hz									
	AC Current (Max.)	0.52A																	
	Inrush Current (Typ.)	3.12A, 36us@50% Ipeak 120VAC 9.2A, 34us@50% Ipeak 277VAC																	
	Leakage current	<0.50mA																	
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed																	
	Over temperature	Ambient temp. over 50°C±5°C, output current will be reduced to 50% ; Ambient temp. over 60°C±5°C, recovers automatically after the temp.drops.																	
Environment	Working TEMP.	-40-+60°C																	
	Working Humidity	20-95% RH, non-condensing																	
	Storage TEMP. Humidity	-40-+80°C,10-95% RH																	
	TEMP. coefficient	±0.03% /°C (0-50°C)																	
	Vibration	10-500Hz, 5G12min./1 cycle,period for 72min.each along X,Y,Z axes																	
Safety & EMC	Safety standards	UL 8750 CAN/CSA-C22.2 No. 250.13																	
	Withstand voltage	I/P-O/P:1.88KVAC I/P-F.G:1.88KVAC O/P-F.G:0.5KVAC																	
	Isolation resistance	I/P-O/P:100MΩ / 500VDC / 25°C / 70% RH																	
	EMC Emission	FCC Part 15 Subpart B; ICES-005 Issue 5; ANSI C63.4a-2017																	
Others	Net Weight	0.57KG																	
	Dimension	190.2*103.9*36mm(L *W*H)																	
	Packing	540*235*235mm 20pcs/CTN																	
Notes	1. All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25°Cof ambient temperature. 2. Tolerance: includes set us tolerance, line regulation and load regulation.																		

### DIMMING WIRING DIAGRAM

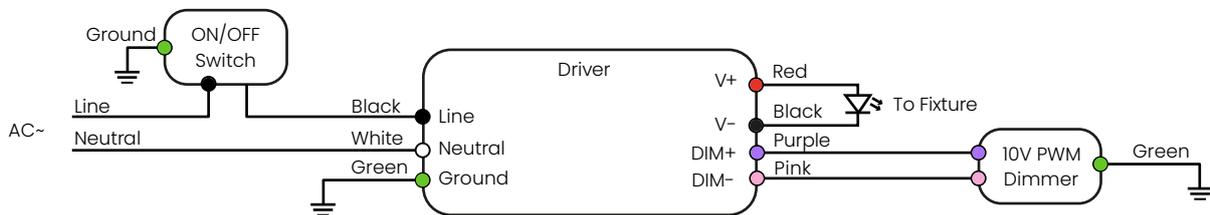
#### TRIAC / FORWARD PHASE / LEADING EDGE DIMMING (TRI)

1. The Pulse-Width Modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line(L) by connection a phase /Triac dimmer or lighting system.
2. Working with forward phase, MLV and Reverse phase, ELV, TRIAC dimmers or light system.
3. Min. loading is about 10%
4. Please try to use dimmers with power at least 2 times as the output power of the driver.



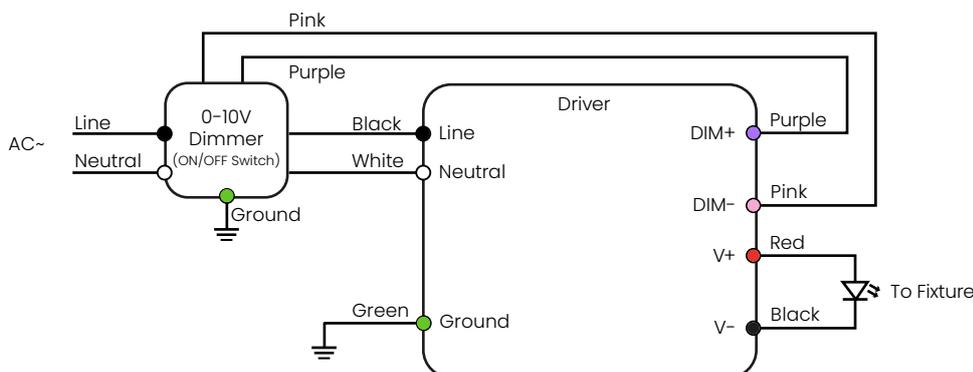
#### 10V PWM

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.



#### 0-10V DIMMING (010)

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.



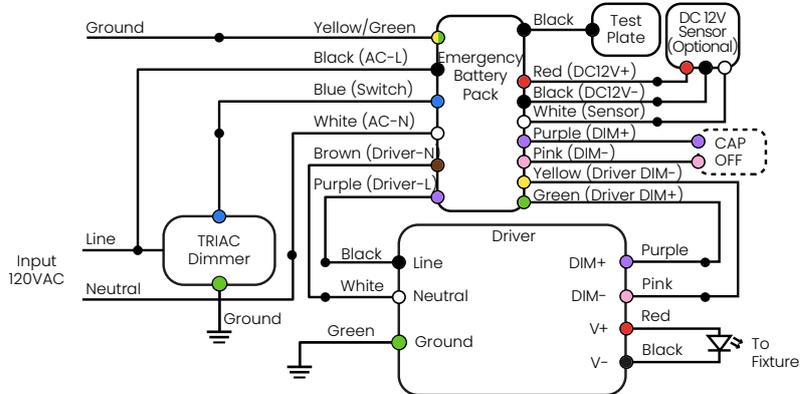
### EMERGENCY BATTERY PACK WIRING DIAGRAM

#### TRIAC / FORWARD PHASE / LEADING EDGE DIMMING (TRI)

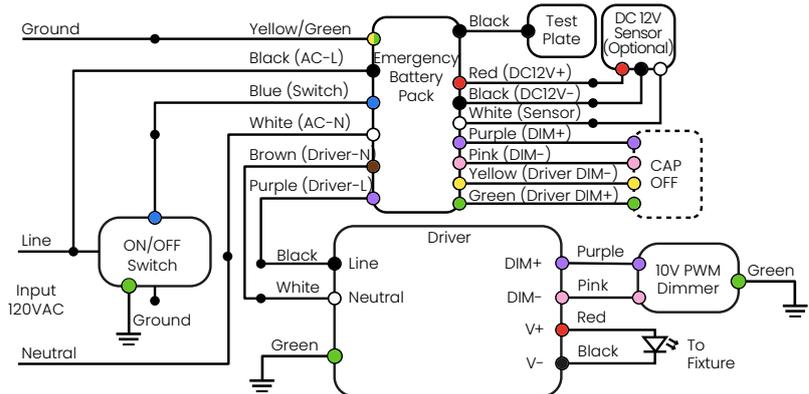
Input 120VAC 50/60Hz Range 3%-100%

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

EMERGENCY BATTERY ACCESS Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.



#### 10V PWM



#### 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.

EMERGENCY BATTERY ACCESS Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

