

MINI 1.5 MULTIPLES | RECESSED DOWNLIGHT



MATERIAL

Aluminum Die-Casting, Electrostatic Powder Coating

SOURCE INFORMATION

DELIVERED LUMENS	Up to 983lm per light engine
CONSUMPTION	Up to 10W per light engine
CURRENT	400mA/500mA
INPUT VOLTAGE	120VAC-277VAC
DIMMING	TRIAC/ELV / 0-10V (1%) / 10V PWM
CRI	90+
COLOR TEMP-CCT	2700K/3000K/3500K/4000K/ 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.

UGR

CCT	2700K	3000K	3500K	4000K
UGR 20°	<16	<19	<16	<16
UGR 30°	<13	<16	<13	<13
UGR 40°	<19	<16	<19	<19
UGR 50°	<22	<19	<22	<22

TYPE OF LED

COB by Bridgelux

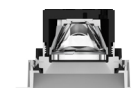
MINIMUM PLENUM SPACE

The minimum plenum space required is 4.5 inches.

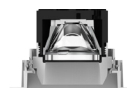
WARRANTY

5 years

TRIM FINISH



OPEN SHORT



OPEN LONG

ROUND

FLANGED TRIM



FLANGELESS TRIM



SQUARE

FLANGED TRIM



FLANGELESS TRIM



2 LAMP

FLANGED TRIM



FLANGELESS TRIM



3 LAMP

FLANGED TRIM



FLANGELESS TRIM



LENS BEAM ANGLE



15°
Spot



24°
Narrow Flood



36°
Flood



60°
Wide Flood

Fixture type:

Job information:

CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



PRODUCT DEFINITION SHEET

Ex: CTL-MM-1.5-RD-AD-TF-SG-30K-15-OPS-WH-9L-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
☐ CTL-MM Constellation Mini Multiples	☐ 1.5 1.5 High Efficiency Standard	☐ RD Round* ☐ SQ Square* ☐ RC Rectangle	☐ AD Adjustable

*Only available for Single Light Engines

5	6	7	8	9
MOUNTING PAN	LIGHT ENGINES	COLOR TEMP-CCT (90 CRI)	LENS BEAM ANGLE	REFLECTOR - INSERT
☐ TF Flanged Trim ☐ TL Flangeless Trim	☐ SG Single ☐ DB Double ☐ TP Triple	☐ 27K 2700K ☐ 30K 3000K ☐ 35K 3500K ☐ 40K 4000K ☐ DM Dim to Warm	☐ 15 15° Spot ☐ 24 24° Narrow ☐ 36 36° Flood ☐ 60 60° Wide Flood	☐ OPS Open Short ☐ OPL Open Long

10	11	12	13
TRIM FINISH	LUMEN OUTPUT (PER LUMEN ENGINE)	DRIVER	VOLTAGE
☐ WH White ☐ BK Black ☐ Custom RAL No. _____	3000K ☐ 5L 500lm ☐ 6L 600lm ☐ 7L 700lm ☐ 8L 800lm ☐ 9L 900lm See pages 3 to 8 for Light Engine Output Lumen packages available	DIM TO WARM ☐ 34L 345 lm ☐ 40L 402 lm ☐ 45L 459 lm ☐ 51L 517 lm ☐ 57L 574 lm Remote Constant Current Driver Max distance: 196-ft using 12 AWG wire 100-ft using 16 AWG wire 50-ft using 18 AWG wire	☐ U Uni 120-277V

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



Honeycomb louver
+ PC sheet



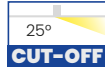
Linear Spread Lens

CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



ROUND FLANGED TRIM



OPEN SHORT REFLECTOR	RD-AD-TF-SG-OPS
CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

CURRENT (mA)	DELIVERED LUMEN (lm)	FIXTURE CONSUMPTION (W)
300	578 lm	4.9W
350	675 lm	5.8W
400	771 lm	6.7W
450	867 lm	7.6W
500	964 lm	8.5W

DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)	FIXTURE CONSUMPTION (W)
300	345 lm	4W
350	402 lm	6W
400	459 lm	8W
450	517 lm	9W
500	574 lm	10W

Actual performance may differ by +/- 5% when operating between 120V-277V +/- 10%.

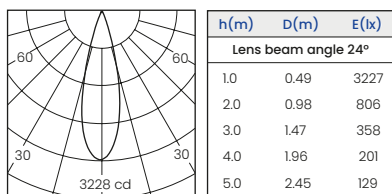
Multiplier for other Color Temp (K)

2700K	90%
3500K	110%
4000K	120%

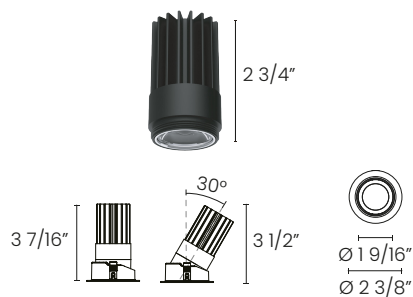
Multiplier for Optics Accesories

Clear (None)	100%
Honeycomb louver	67%
Linear Spread Lens	72%

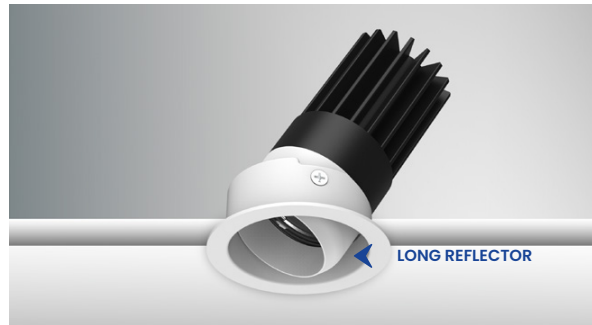
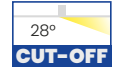
PHOTOMETRICS



DIMENSIONS



⌀ Cut out: ⌀ 2 4/32"



OPEN LONG REFLECTOR	RD-AD-TF-SG-OPL
CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

CURRENT (mA)	DELIVERED LUMEN (lm)	FIXTURE CONSUMPTION (W)
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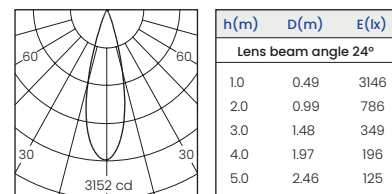
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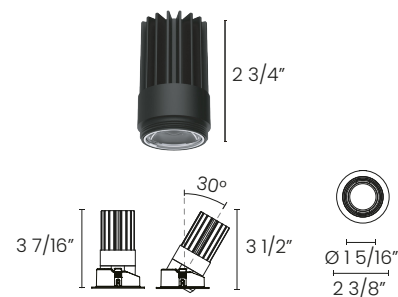
Multiplier for Optics Accesories

Clear (None)	100%
Honeycomb louver	67%
Linear Spread Lens	78%

PHOTOMETRICS



DIMENSIONS



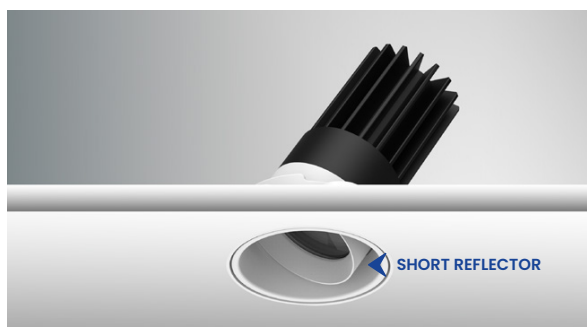
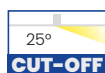
⌀ Cut out: ⌀ 2 4/32"

CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



ROUND FLANGELESS TRIM



OPEN SHORT REFLECTOR RD-AD-TL-SG-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

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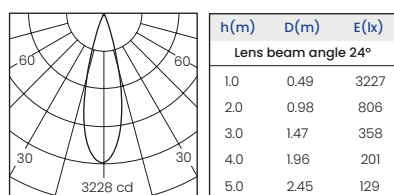
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3500K	110%
4000K	120%

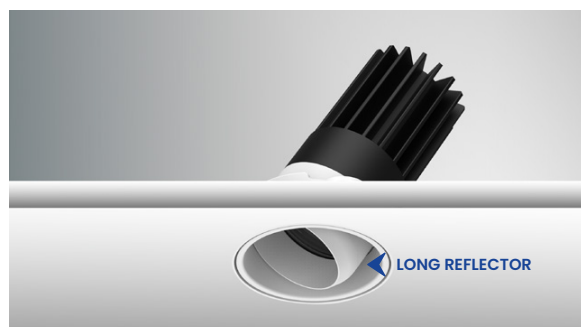
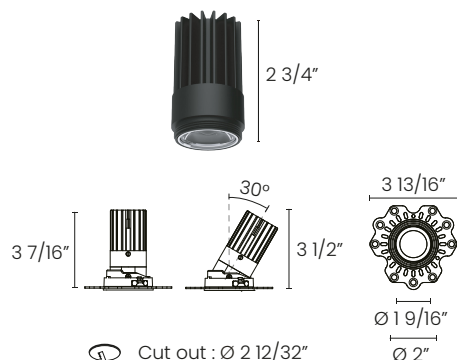
Multiplier for Optics Accesories

Clear (None)	100%
Honeycomb louver	67%
Linear Spread Lens	72%

PHOTOMETRICS



DIMENSIONS



OPEN LONG REFLECTOR RD-AD-TL-SG-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

CURRENT (mA)	DELIVERED LUMEN (lm)	FIXTURE CONSUMPTION (W)
300	578 lm	4.9W
350	675 lm	5.8W
400	771 lm	6.7W
450	867 lm	7.6W
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DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)	FIXTURE CONSUMPTION (W)
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400	459 lm	8W
450	517 lm	9W
500	574 lm	10W

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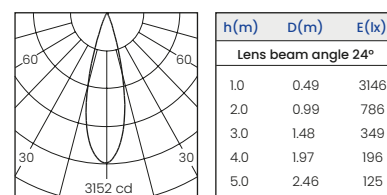
Multiplier for other Color Temp (K)

2700K	000%
3500K	000%
4000K	000%

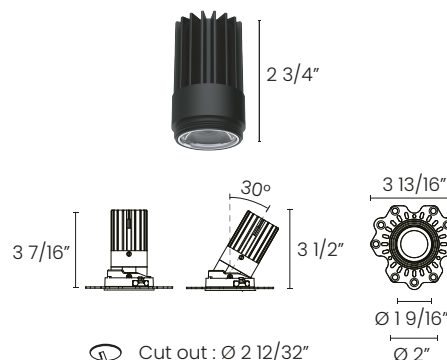
Multiplier for Optics Accesories

Clear (None)	100%
Honeycomb louver	67%
Linear Spread Lens	78%

PHOTOMETRICS



DIMENSIONS



CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



SQUARE/RECTANGLE FLANGED TRIM OPEN SHORT REFLECTOR

355°



SINGLE SQ-AD-TF-SG-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

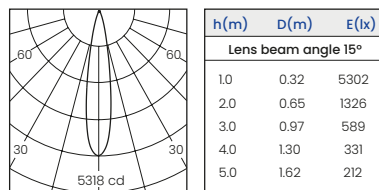
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)	TOTAL FIXTURE CONSUMPTION (W)
300	578 lm	4.9W
350	675 lm	5.8W
400	771 lm	6.7W
450	867 lm	7.6W
500	964 lm	8.5W

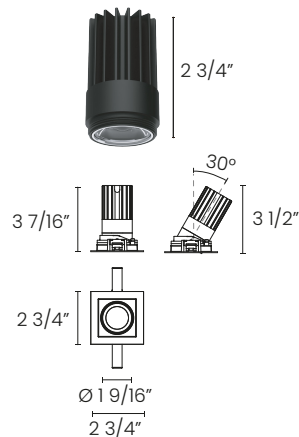
DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)	TOTAL FIXTURE CONSUMPTION (W)
300	345 lm	4W
350	402 lm	6W
400	459 lm	8W
450	517 lm	9W
500	574 lm	10W

PHOTOMETRICS



DIMENSIONS



Cut out : 2 13/32" x 2 13/32"



DOUBLE RC-AD-TF-DB-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

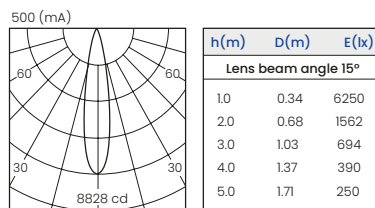
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x2=600	590x2	578x2	4.9x2	9.8W
350x2=700	688x2	675x2	5.8x2	11.6W
400x2=800	786x2	771x2	6.7x2	13.4W
450x2=900	884x2	867x2	7.6x2	15.2W
500x2=1000	983x2	964x2	8.5x2	17W

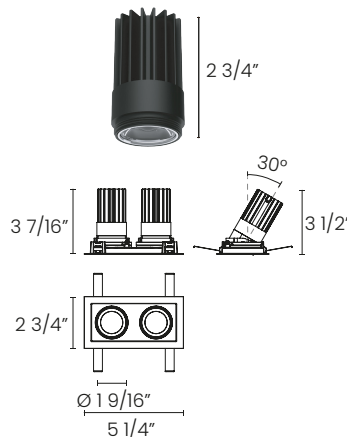
DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x2=600	345x2	327x2	4x2	8W
350x2=700	402x2	381x2	6x2	12W
400x2=800	459x2	436x2	8x2	16W
450x2=900	517x2	490x2	9x2	18W
500x2=1000	574x2	545x2	10x2	20W

PHOTOMETRICS



DIMENSIONS



Cut out : 2 13/32" x 4 3/4"



TRIPLE RC-AD-TF-TP-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x3=900	590x3	578x3	4.9x3	14.7W
350x3=1050	688x3	675x3	5.8x3	17.4W
400x3=1200	786x3	771x3	6.7x3	20.1W
450x3=1350	884x3	867x3	7.6x3	22.8W
500x3=1500	983x3	964x3	8.5x3	25.5W

DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x3=900	345x3	327x3	4x3	12W
350x3=1050	402x3	381x3	6x3	18W
400x3=1200	459x3	436x3	8x3	24W
450x3=1350	517x3	490x3	9x3	27W
500x3=1500	574x3	545x3	10x3	30W

Actual performance may differ by +/- 5% when operating between 120V-277V +/- 10%.

Multiplier for other Color Temp (K)

2700K 000%

3500K 000%

4000K 000%

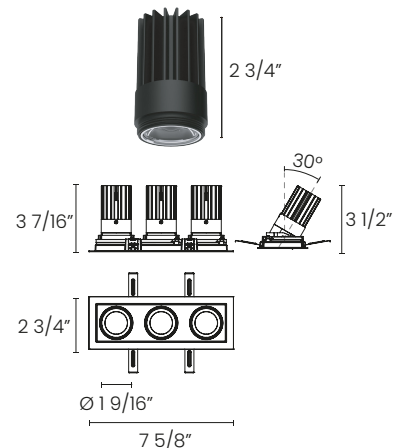
Multiplier for Optics Accessories

Clear (None) 100%

Honeycomb louver 67%

Linear Spread Lens 78%

DIMENSIONS



Cut out : 2 13/32" x 7 1/8"

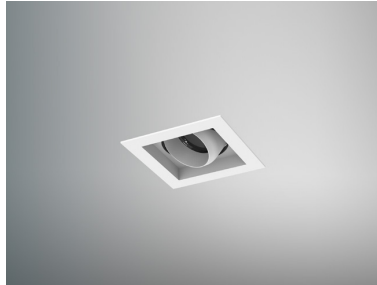
CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



SQUARE/RECTANGLE FLANGED TRIM OPEN LONG REFLECTOR

355°



SINGLE SQ-AD-TF-SG-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

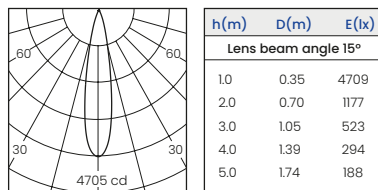
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)	TOTAL FIXTURE CONSUMPTION (W)
300	578 lm	4.9W
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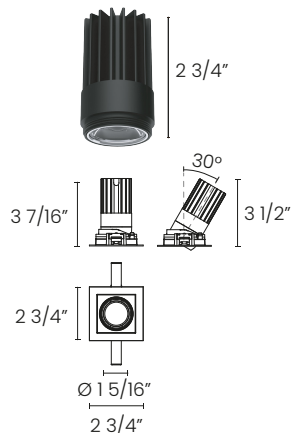
DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)	TOTAL FIXTURE CONSUMPTION (W)
300	345 lm	4W
350	402 lm	6W
400	459 lm	8W
450	517 lm	9W
500	574 lm	10W

PHOTOMETRICS



DIMENSIONS



Cut out : 2 13/32" x 2 13/32"



DOUBLE RC-AD-TF-DB-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

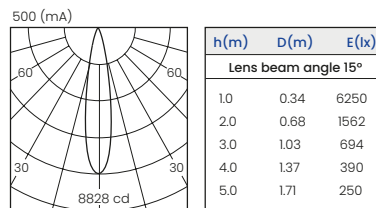
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (w)	
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300x2=600	590x2	578x2	4.9x2	9.8W
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450x2=900	884x2	867x2	7.6x2	15.2W
500x2=1000	983x2	964x2	8.5x2	17W

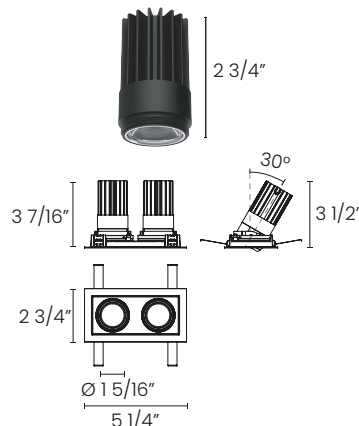
DIM TO WARM

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PHOTOMETRICS



DIMENSIONS



Cut out : 2 13/32" x 4 3/4"



TRIPLE RC-AD-TF-TP-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

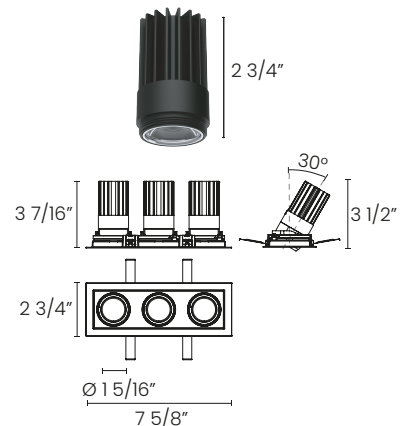
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450x3=1350	517x3	490x3	9x3	27W
500x3=1500	574x3	545x3	10x3	30W

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Multiplier for other Color Temp (K)	
2700K	000%
3500K	000%
4000K	000%
Multiplier for Optics Accessories	
Clear (None)	100%
Honeycomb louver	67%
Linear Spread Lens	78%

DIMENSIONS



Cut out : 2 13/32" x 7 1/8"

CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



SQUARE/RECTANGLE FLANGELESS TRIM OPEN SHORT REFLECTOR

355°



SINGLE SQ-AD-TL-SG-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

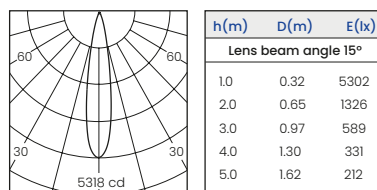
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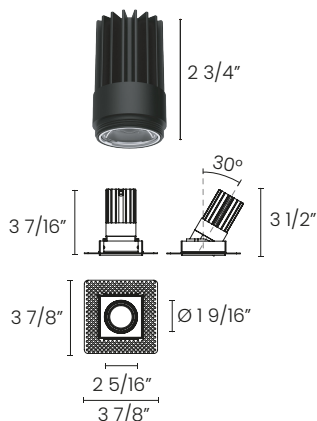
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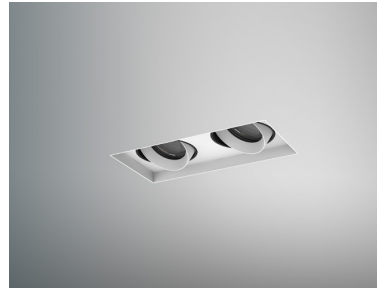
PHOTOMETRICS



DIMENSIONS



Cut out : 2 13/32" x 2 13/32"



DOUBLE RC-AD-TL-DB-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

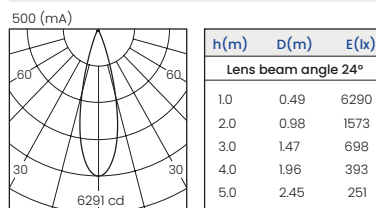
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x2=600	590x2	578x2	4.9x2	9.8W
350x2=700	688x2	675x2	5.8x2	11.6W
400x2=800	786x2	771x2	6.7x2	13.4W
450x2=900	884x2	867x2	7.6x2	15.2W
500x2=1000	983x2	964x2	8.5x2	17W

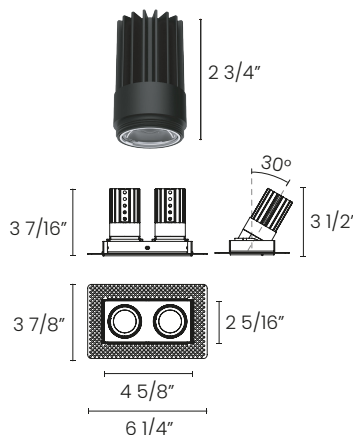
DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x2=600	345x2	327x2	4x2	8W
350x2=700	402x2	381x2	6x2	12W
400x2=800	459x2	436x2	8x2	16W
450x2=900	517x2	490x2	9x2	18W
500x2=1000	574x2	545x2	10x2	20W

PHOTOMETRICS



DIMENSIONS



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



TRIPLE RC-AD-TL-TP-OPS

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x3=900	590x3	578x3	4.9x3	14.7W
350x3=1050	688x3	675x3	5.8x3	17.4W
400x3=1200	786x3	771x3	6.7x3	20.1W
450x3=1350	884x3	867x3	7.6x3	22.8W
500x3=1500	983x3	964x3	8.5x3	25.5W

DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (w)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x3=900	345x3	327x3	4x3	12W
350x3=1050	402x3	381x3	6x3	18W
400x3=1200	459x3	436x3	8x3	24W
450x3=1350	517x3	490x3	9x3	27W
500x3=1500	574x3	545x3	10x3	30W

Actual performance may differ by +/- 5% when operating between 120V-277V +/- 10%.

Multiplier for other Color Temp (K)

2700K 000%

3500K 000%

4000K 000%

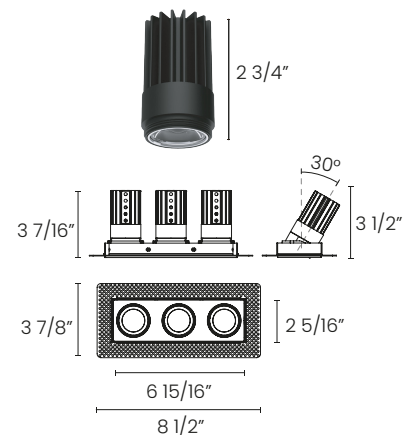
Multiplier for Optics Accessories

Clear (None) 100%

Honeycomb louver 67%

Linear Spread Lens 78%

DIMENSIONS



Cut out : 2 13/32" x 7 4/32"

CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



SQUARE/RECTANGLE FLANGELESS TRIM OPEN LONG REFLECTOR

355°



SINGLE SQ-AD-TL-SG-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

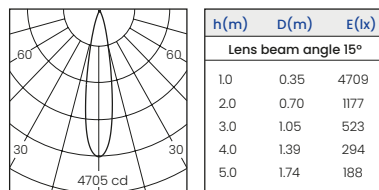
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)	TOTAL FIXTURE CONSUMPTION (W)
300	578 lm	4.9W
350	675 lm	5.8W
400	771 lm	6.7W
450	867 lm	7.6W
500	964 lm	8.5W

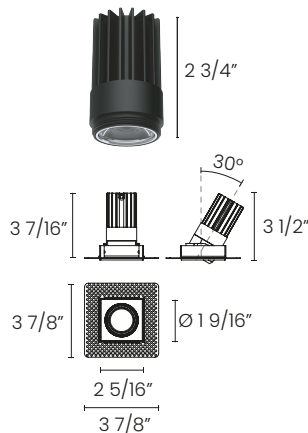
DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)	TOTAL FIXTURE CONSUMPTION (W)
300	345 lm	4W
350	402 lm	6W
400	459 lm	8W
450	517 lm	9W
500	574 lm	10W

PHOTOMETRICS



DIMENSIONS



Cut out : 2 13/32" x 2 13/32"



DOUBLE RC-AD-TL-DB-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

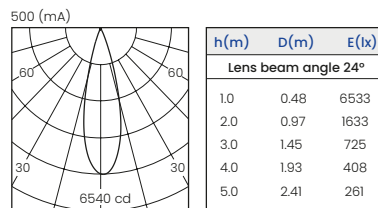
3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (w)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x2=600	590x2	578x2	4.9x2	9.8W
350x2=700	688x2	675x2	5.8x2	11.6W
400x2=800	786x2	771x2	6.7x2	13.4W
450x2=900	884x2	867x2	7.6x2	15.2W
500x2=1000	983x2	964x2	8.5x2	17W

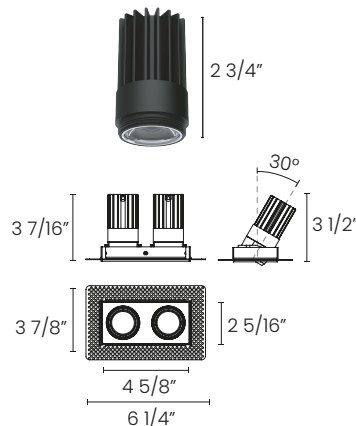
DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (w)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x2=600	345x2	327x2	4x2	8W
350x2=700	402x2	381x2	6x2	12W
400x2=800	459x2	436x2	8x2	16W
450x2=900	517x2	490x2	9x2	18W
500x2=1000	574x2	545x2	10x2	20W

PHOTOMETRICS



DIMENSIONS



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



TRIPLE RC-AD-TL-TP-OPL

CRI	90+
LENS BEAM ANGLE	15°/24°/36°/60°

3000K

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (w)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x3=900	590x3	578x3	4.9x3	14.7W
350x3=1050	688x3	675x3	5.8x3	17.4W
400x3=1200	786x3	771x3	6.7x3	20.1W
450x3=1350	884x3	867x3	7.6x3	22.8W
500x3=1500	983x3	964x3	8.5x3	25.5W

DIM TO WARM

CURRENT (mA)	DELIVERED LUMEN (lm)		TOTAL FIXTURE CONSUMPTION (W)	
	NON IC	IC	PER LUMEN ENGINE	TOTAL
300x3=900	345x3	327x3	4x3	12W
350x3=1050	402x3	381x3	6x3	18W
400x3=1200	459x3	436x3	8x3	24W
450x3=1350	517x3	490x3	9x3	27W
500x3=1500	574x3	545x3	10x3	30W

Actual performance may differ by +/- 5% when operating between 120V-277V +/- 10%.

Multiplier for other Color Temp (K)

2700K 000%

3500K 000%

4000K 000%

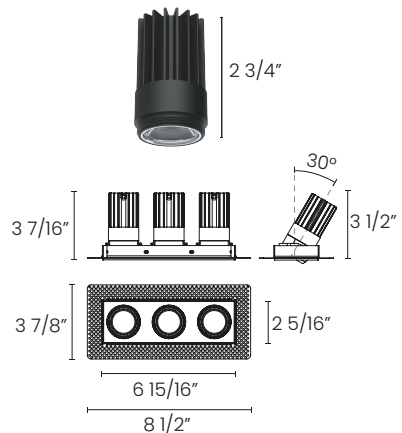
Multiplier for Optics Accessories

Clear (None) 100%

Honeycomb louver 67%

Linear Spread Lens 78%

DIMENSIONS



Cut out : 2 13/32" x 7 4/32"

CONSTELLATION

MINI 1.5 MULTIPLES – RECESSED DOWNLIGHT



HOUSING



REMODEL/REMOTE ENCLOSED DRIVER

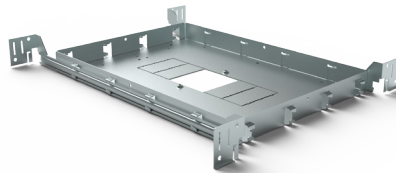
For Constellation Mini 1.5 Multiples both flanged and flangeless trim

Installs from below, service from below

Type: Remote driver box

1 light engine flanged and flangeless trim

Cut out: $2\frac{13}{32}$ " x $2\frac{13}{32}$ "



NEW CONSTRUCTION NON-IC FRAME

For Constellation Mini 1.5 Multiples both flanged and flangeless trim

Installs from above, service from below

Type: New construction frame

1 light engine
Cut out: $2\frac{13}{32}$ " x $2\frac{13}{32}$ "
2 light engine
Cut out: $2\frac{13}{32}$ " x $4\frac{24}{32}$ "
3 light engine
Cut out: $2\frac{13}{32}$ " x $7\frac{4}{32}$ "



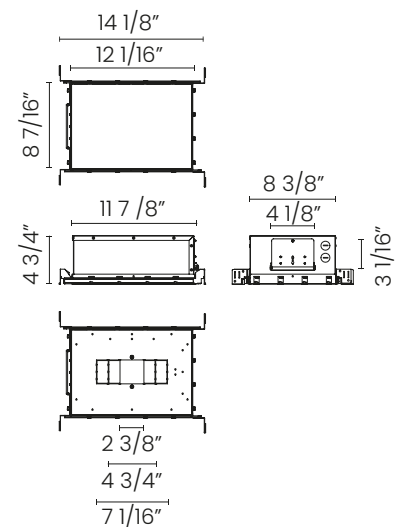
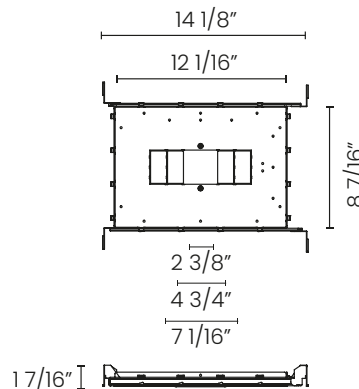
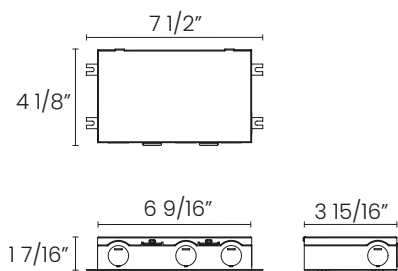
NEW CONSTRUCTION IC BOX

For Constellation Mini 1.5 Multiples both flanged and flangeless trim

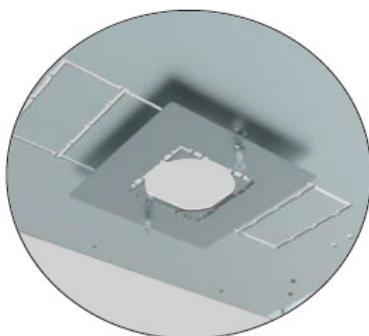
Installs from above, service from below

Type: IC Box

1 light engine
Cut out: $2\frac{13}{32}$ " x $2\frac{13}{32}$ "
2 light engine
Cut out: $2\frac{13}{32}$ " x $4\frac{24}{32}$ "
3 light engine
Cut out: $2\frac{13}{32}$ " x $7\frac{4}{32}$ "



CUTOUT ACCESSORIES



For Constellation Mini 1.5 Multiples

Cut out:
Flanged Trim : $2\frac{4}{32}$ "
Flangeless Trim : $2\frac{12}{32}$ "

MERCURY®
Lighting Progress

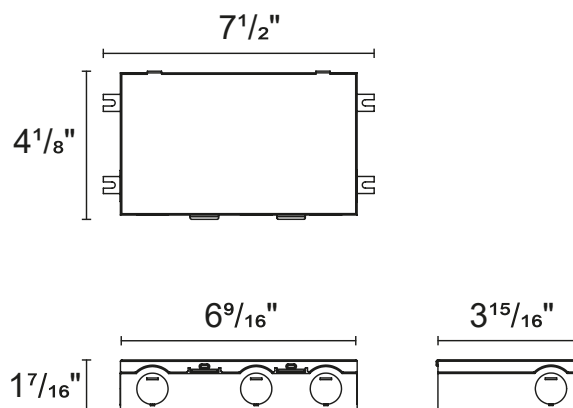
UL
LISTED
F495946



 Reach

[illegible]

DIMENSIONS



DRIVER

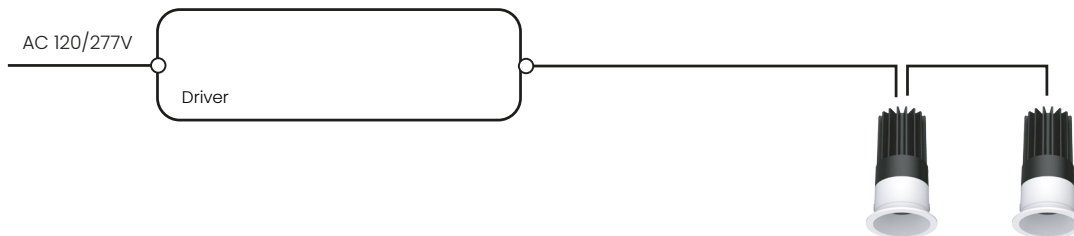
KIG-DWJ Series 40W

TECHNICAL PARAMETERS

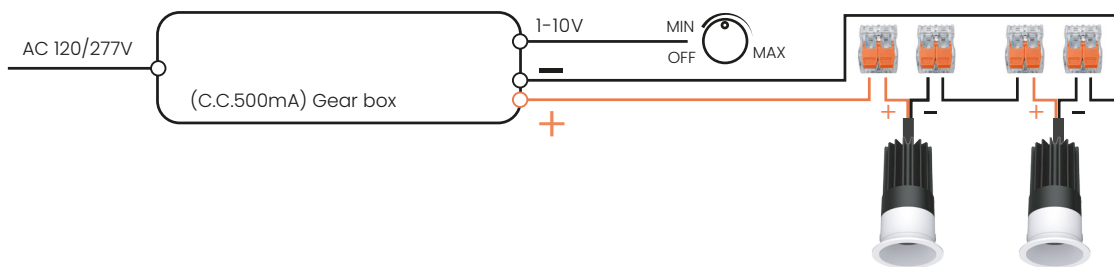
Certificate		UL / cUL / FCC / ICES-005 / Class P / SELV / ROHS / REACH																	
Output	Rated current (A) T ON ↓ OFF	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4		
	DIP Code																		
	DIP Code																		
	Current Tolerance	±5%																	
	No-Load Voltage	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.																	
Environ- ment	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, 5G 12min./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 Immunity	FCC/ICES do not request this test.																	
	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 up tolerance, line regulation and load regulation.																		

MULTIPLES DOWNLIGHTS WIRING DIAGRAM

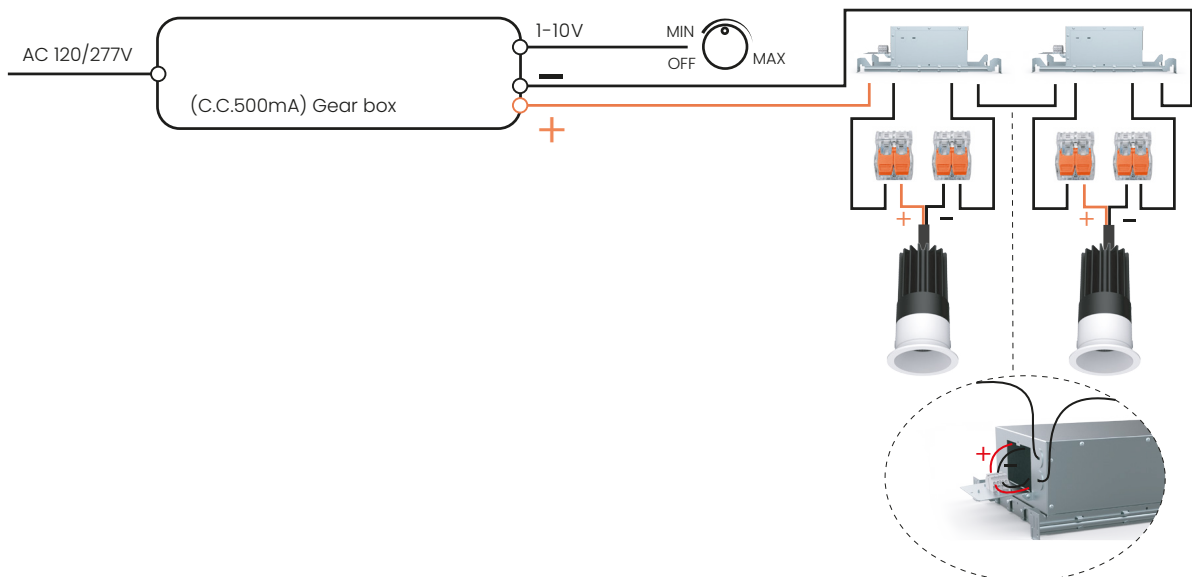
REMOTE DRIVER



NEW CONSTRUCTION NON-IC FRAME



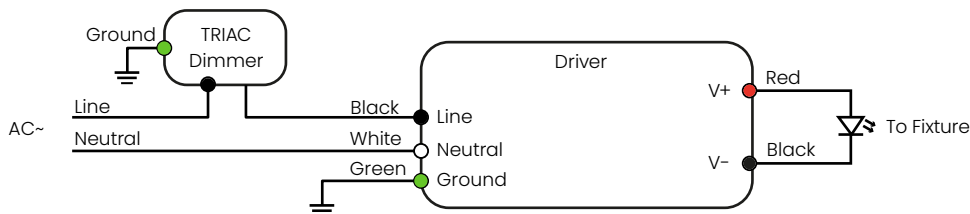
NEW CONSTRUCTION IC



DIMMING WIRING DIAGRAM

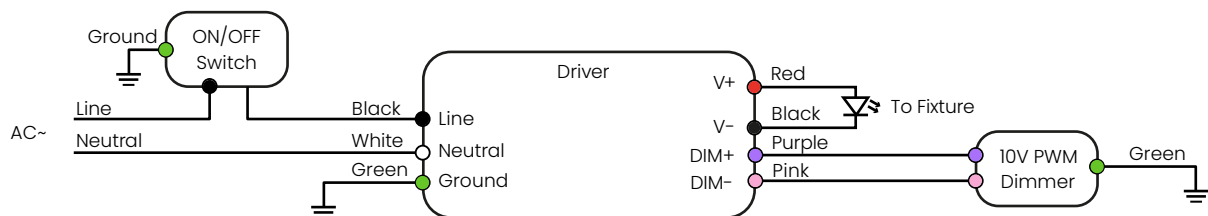
TRIAC / FORWARD PHASE / LEADING EDGE DIMMING (TRI)

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.



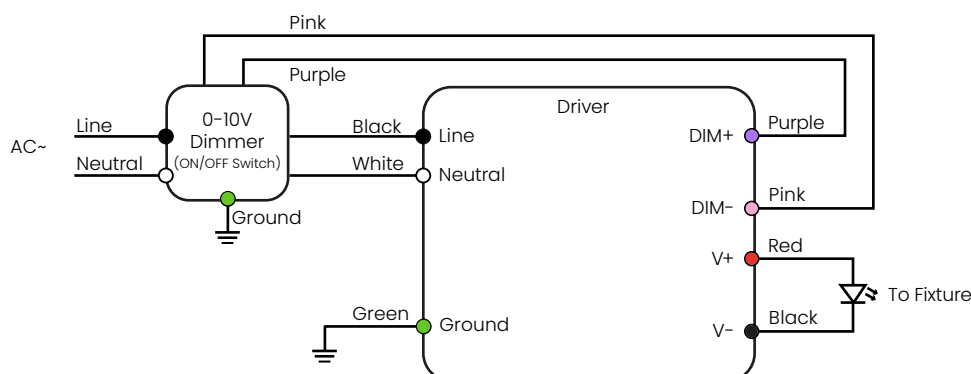
10V PWM

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.



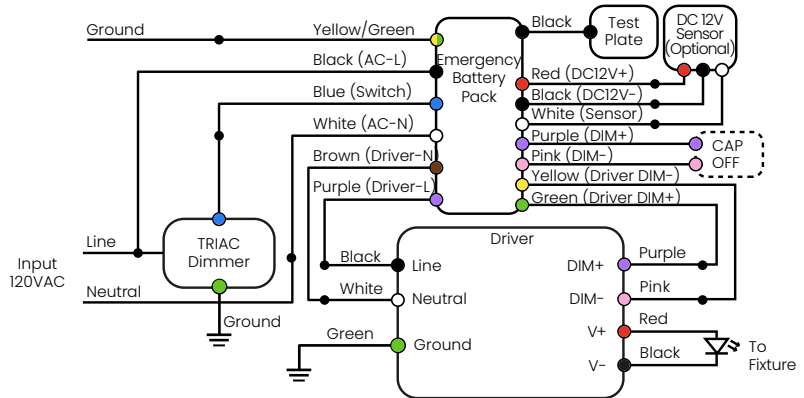
EMERGENCY BATTERY PACK WIRING DIAGRAM

TRIAC / FORWARD PHASE / LEADING EDGE DIMMING (TRI)

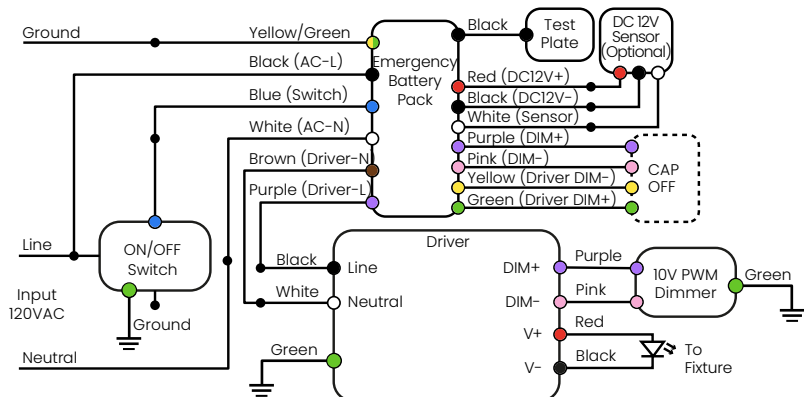
Input 120VAC 50/60Hz Range 3%-100%

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.

