

# ENTERO S



**Listing**  
ETL certified to US and Canadian safety standards.

**Warranty**  
5-year limited warranty.

Entero is a set of lighting tools enabling architects and designers to create discrete but diverse lighting schemes, using only one luminaire type throughout the entire project. A complete range of recessed downlights providing a solution for diverse lighting dilemmas, with field-changeable optics, dedicated super spots and wallwash units. Entero is presented as a set of adjustable luminaires, available in different power levels corresponding to size (Small, Medium, and Large), with a multitude of beam angles, with or without trim, both for interior and exterior applications. For extra flexibility and project diversity, options such as Soft Dim and Tunable White complete the Entero family.

Specification	ROUND ST	ROUND TL	SQUARE ST	SQUARE TL
LED Aperture	1 1/16"			
Ceiling Cut-out:	3"	4 1/8"	3"	4 3/16"
Ceiling Thickness:	Max 5/8"			
Adjustability:	Adjustable 0-30° / 355° or fixed Wallwash			
Rating:	Available IP20, IP44 & IP65, see ordering below			

Performance	STATIC CCT		SOFT Dim	TW1 / TW2
Optic:	SS	MS/MD/WD/WW	(all)	(all)
LED Maintenance:	L90>41,000h	L70>50,000h	L90>50,000h	
McAdam Step:	2	1	2	
CRI:	90		90	
*LP:	7.2W			
*MP:	10W			
*HP:	14W			
*SP:			12W	10W

Delivered Lumens	3000K				3000-1800K		2700-6500K	
**See page 4 for details	SS	MS	WS	WW	SS	MS	WS	WW
Entero S:	502Lm	836Lm	835Lm	847Lm	796Lm	796Lm	835Lm	884Lm
Entero S HP:		1127Lm	1125Lm					

## Ordering

SEE NEXT PAGE FOR OPTICS SUPER SPOT (SS) & WALLWASH (WW)

Example: ENT-S-RWSHP2-27-IATD8-120-ATL-GC

Luminaire	Size	Shape	Optic**	Power*	Rating	CCT	Application	Controls***	Function	Installation	Finish
ENT ENTERO	S Small	R Round  S Square	MS Medium Narrow Spot 20°	MP Medium Power	2 IP20 for interior use	27 2700K  30 3000K  35 3500K	IAT <sup>(1,3)</sup> New Construction-IC AIRTIGHT  INAT <sup>(1,3)</sup> New Construction IC Non-Airtight  NPF New Construction- NON-IC Plasterframe  REM Remodel-NON-IC	D1-120 0-10V dim 120V  D1-277 0-10V dim 277V  D1-347 0-10V dim 347V  D8-120 FE ELV dim 120V	A Adjustable	ST Recessed with small trim  TL <sup>(2)</sup> Recessed with mud-in trimless kit	B Black  GC <sup>(2)</sup> Gold Colored  W White
					4 IP44 for interior use, wet environments						
					6 <sup>(3)</sup> IP65 for exterior use						
			WS Medium Wide Spot 45°	HP High Power	2 IP20 for interior use	SD 3000-1800K  TW1 2700-6500K  TW2 1800-4000K	IAT_RMT New Construction- IC AIRTIGHT + Remote Power Supply	D1-UNV 0-10V dim 120-277V  D1-347 0-10V dim 347V			
					2 IP20 for interior use						
					6 <sup>(2)</sup> IP65 for exterior use						

1 Power MP only available in IP20 (Rating 2) when using Application IAT; use IP44 (Rating 4) for all other applications

2 Provided with UNV driver when using Controls D1

3 IP65 (Rating 6) not available in Trimless (Installation TL) or Gold Colored (Finish GC)

\*\*\* Contact factory for additional dimming options



**Ordering**

ALL BOXES MUST BE FILLED IN TO CORRECTLY ORDER

Example: ENTS-SWWSP2-TW1-IAT\_RMTD1-UNV-AST-W

Luminaire	Size	Shape	Optic**	Power*	Rating	CCT	Application <sup>(4)</sup>	Controls***	Function	Installation	Finish
ENT ENTERO	S Small	R Round	SS Super Spot 10°	LP Low Power	2 IP20 for interior use	27 2700K	IAT <sup>(3)</sup> New Construction- IC AIRTIGHT	D1-120 0-10V dim 120V	A <sup>(1)</sup> Adjustable	ST Recessed with small trim	B Black GC <sup>(2)</sup> Gold Colored  W White
					6 <sup>(2)</sup> IP65 for exterior use	30 3000K	INAT <sup>(3)</sup> New Construction IC Non-Airtight	D1-277 0-10V dim 277V			
		WW Wallwash	MP Medium Power	2 IP20 for interior use	35 3500K	NPF New Construction- NON-IC Plasterframe	D1-347 0-10V dim 347V	D8-120 FE ELV dim 120V			

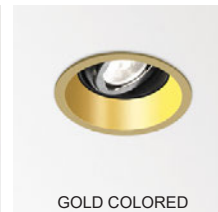
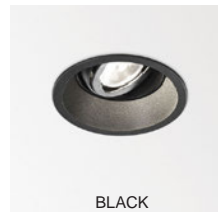
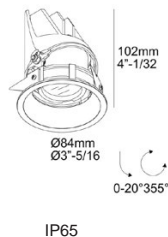
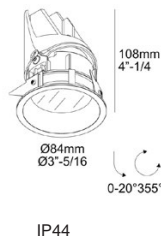
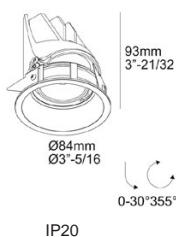
1 Wallwash /Optic WW is fixed- not adjustable  
 2 Provided with UNV driver when using Controls D1  
 3 IP65 (Rating 6) not available in Trimless (Installation TL) or Gold Colored (Finish GC)  
 \*\*\* Contact factory for additional dimming options

**Related Products**

ENTERO M, ENTERO L

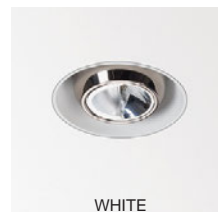
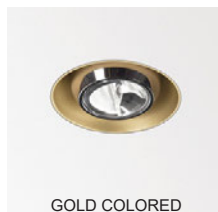
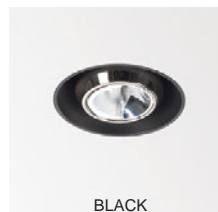
**Finish Options**

**ENTERO S ROUND ST**



Not available in IP65

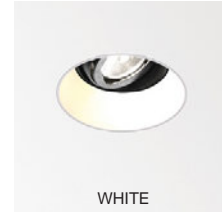
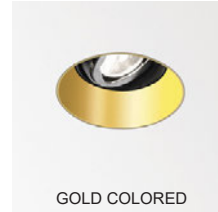
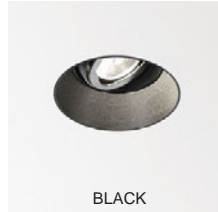
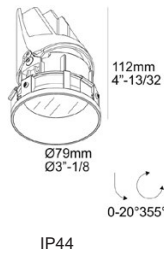
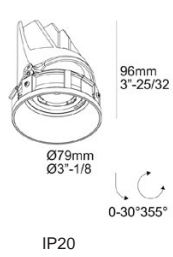
**ENTERO S ROUND ST WW**



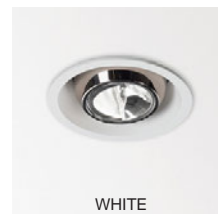
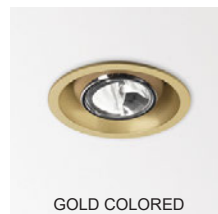
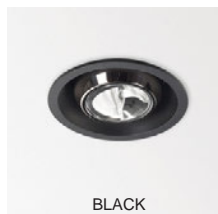
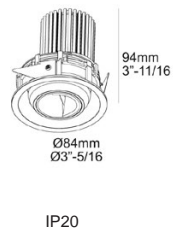


# Finish Options

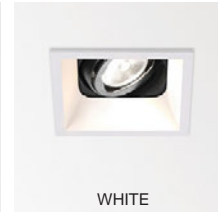
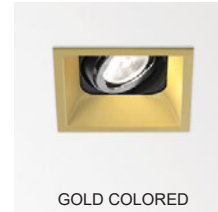
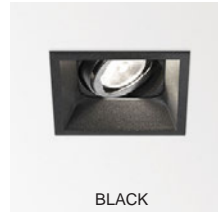
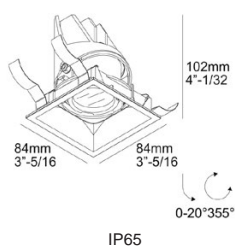
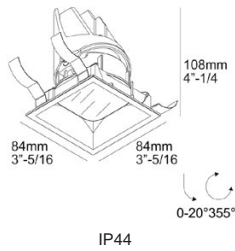
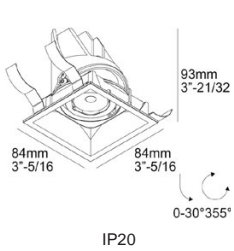
## ENTERO S ROUND TL



## ENTERO S ROUND TL WW

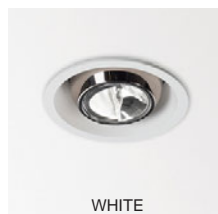
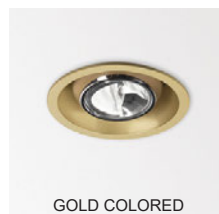
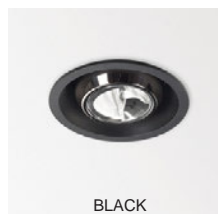
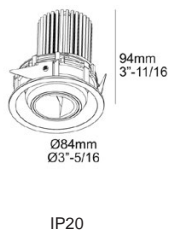


## ENTERO S SQUARE ST

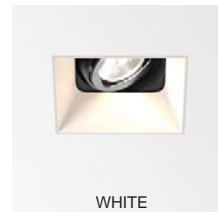
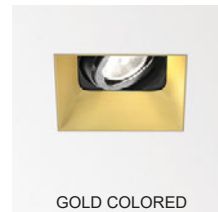
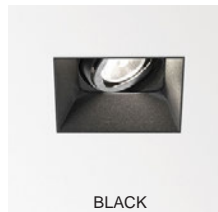
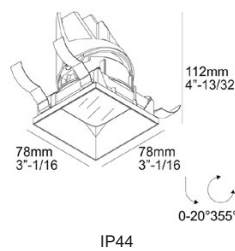
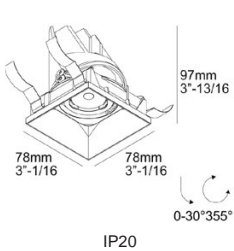


Not available in IP65

## ENTERO S SQUARE ST WW



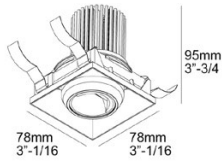
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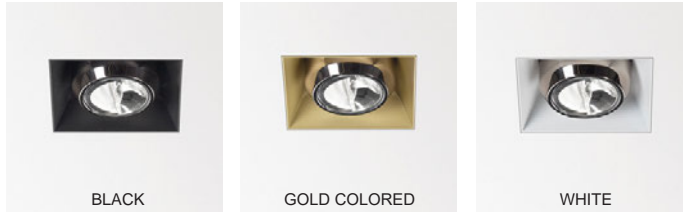


# Finish Options

## ENTERO S SQUARE TL WW



IP20



BLACK

GOLD COLORED

WHITE

# Accessories



LINEAR SPREAD LENS  
28500 0010

Only available for Optic SP or FL with Rating 2 or 6



SPREAD LENS  
28500 0020

Only available for Optic SP or FL with Rating 2 or 6



SOFTENING LENS  
28500 0030

Only available for Optic SP or FL with Rating 2 or 6



GLASS SBL  
28500 0040

Only available for Optic SP or FL with Rating 2 or 6



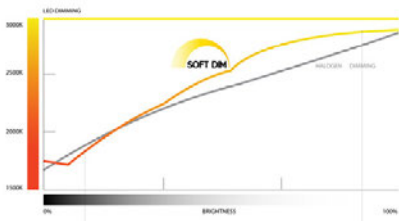
HONEYCOMB  
28500 0050 B

Only available for Rating 2 or 6

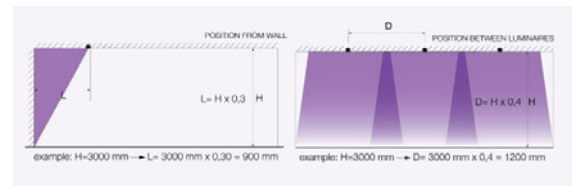
# Photometric Data

Delivered Lumens	2700K					3000K					3500K				
	10°	20°	30°	45°	WW	10°	20°	30°	45°	WW	10°	20°	30°	45°	WW
Entero S LP:	502Lm					502Lm					502Lm				
Entero S MP:		804Lm	793Lm	802Lm	810Lm		836Lm	830Lm	835Lm	847Lm		866Lm	859Lm	864Lm	878Lm
Entero S HP:		1078Lm	1070Lm	1076Lm			1127Lm	1119Lm	1125Lm			1167Lm	1159Lm	1165Lm	

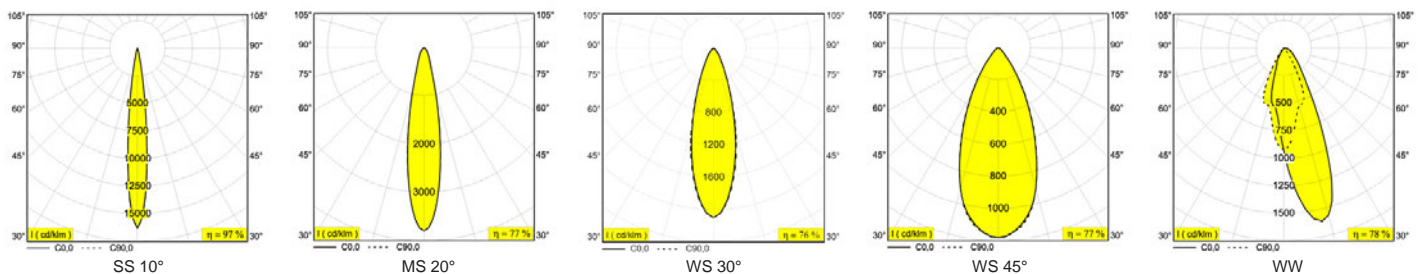
Delivered Lumens	3000-1800K			2700-6500K				1800-4000K			
	20°	30°	45°	20°	30°	45°	WW	20°	30°	45°	WW
Entero S SP	796Lm		796Lm	835Lm		833Lm	884Lm	752Lm		751Lm	796Lm



Soft Dim technology replicates the dimming behavior of a conventional lamp where the color temperature increases in warmth as it is dimmed. This is achieved through the use of specially selected LEDs of different color temperatures and power types from premium chip manufacturers. Consistency is ensured without complexity with the use of specific and precise LED selection. The LED's selected have color tolerances that are higher than 2 SDCM ensuring module-to-module accuracy.



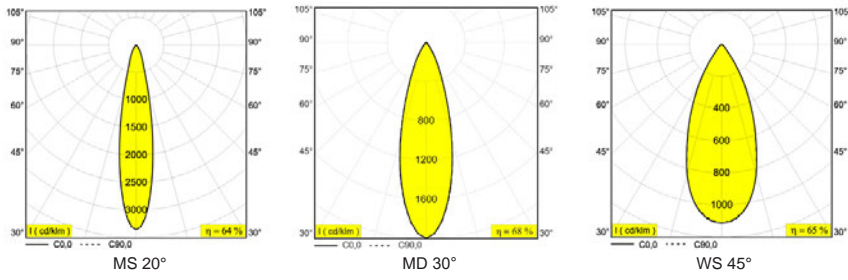
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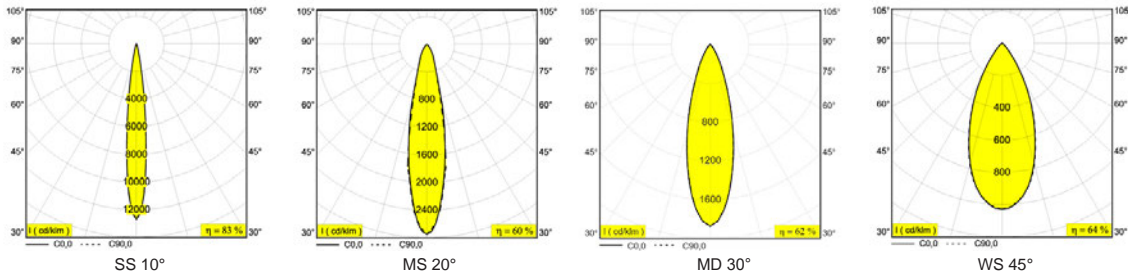


**Photometric Data (cont'd)**

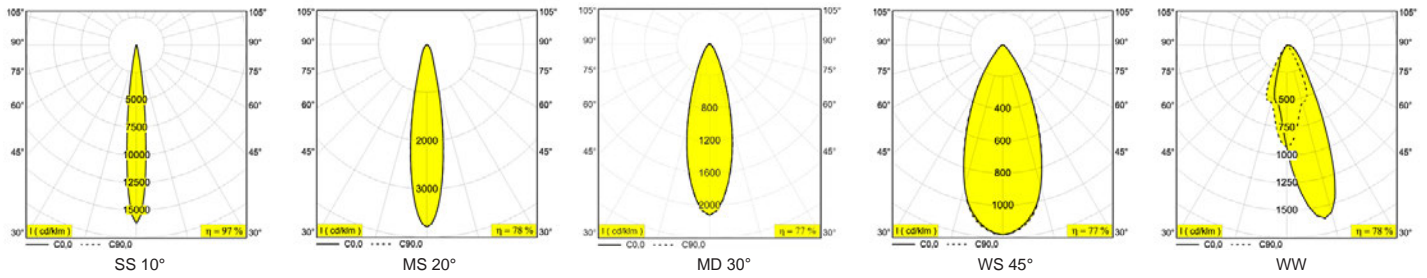
**ENTERO S ROUND IP44**



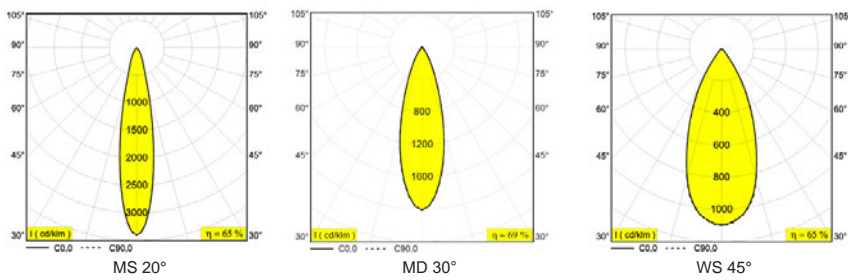
**ENTERO S ROUND IP65**



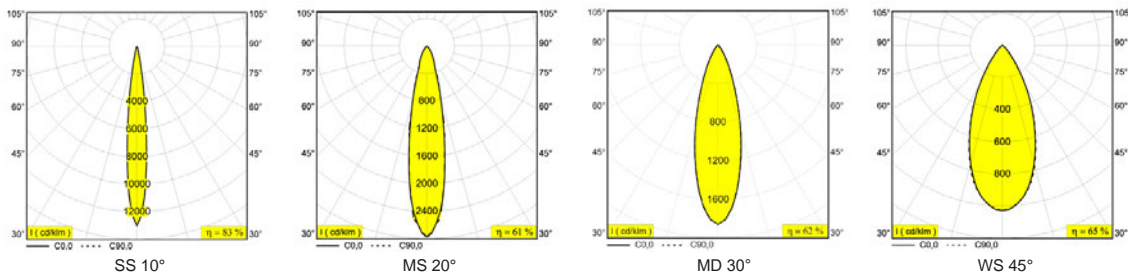
**ENTERO S SQUARE IP20**



**ENTERO S SQUARE IP44**



**ENTERO S SQUARE IP65**







**Installation Options**

**IC AIRTIGHT**

**M-Medium:**  
 A:14"-1/4 x B:11"-1/16 x C:6"-7/8  
 A:362mm x B:281mm x C:174mm

- Medium Profile 6"-7/8 Height
- New Construction Airtight
- For use in insulated ceiling
- Chicago Plenum
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated

**IC NON-AIRTIGHT**

**M-Medium**  
 A:14"-1/4 x B:11"-1/16 x C:6"-7/8  
 A:362mm x B:281mm x C:174mm

- Medium Profile 6"-7/8 Height
- New Construction Non-Airtight
- For use in insulated ceiling
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated

**IC AIRTIGHT** (Optic WW Installation TL only, IP65 CCT SD only, & Optic SS)

**S-SMALL:**  
 A:12"-5/8 x B:11"-1/16 x C:4"-13/16  
 A:323mm x B:281mm x C:122mm

- Low Profile under 5" Height
- New Construction Airtight
- For use in insulated ceiling
- Chicago Plenum
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated
- Patented System for easy driver servicing from room side

**IC NON-AIRTIGHT** (Optic WW Installation TL only, IP65 CCT SD only, & Optic SS)

**S-SMALL:**  
 A:15"-7/16 x B:8"-11/16 x C:5"  
 A:393mm x B:220mm x C:127mm

- Low Profile 5" Height
- New Construction Non-Airtight
- For use in insulated ceiling
- ETL Listed
- Hangerbar expand to 26"- reduce to 14"-3/16
- Damp rated

**NON-IC PLASTERFRAME**

**S-SMALL:**  
 A:12"-23/32 x B:11"-1/16 x C:5"  
 A:323mm x B:281mm x C:127mm

- Low Profile 5" Height
- New Construction
- For use in non-insulated ceiling
- ETL Listed
- Hangerbar expand to 24"-23/32 or 15"-3/32 - reduce to 12"-23/32 or 9"-1/32
- Damp rated
- Voltage dedicated (120V or 277V)

**REMODEL NON-IC**

A:10" x B:1"-3/8 x C:2"  
 A:254mm x B:35mm x C:50mm

- For Remodel application
- For use in non-insulated ceiling
- ETL Listed
- Damp rated
- Voltage Dedicated (120V or 277V)

(luminaire for illustrative purposes only)

**REMOTE DRIVER**

A: 8" x B: 3" x C: 2"-7/8  
 A: 203mm x B: 76mm x C: 72mm

- For Remote application
- ETL Listed
- Damp rated

**REMOVER DRIVER** (With CCT TW1 & TW2)

A: 8" x B: 2"-3/16 x C: 4"-1/4  
 A: 203mm x B: 72mm x C: 108mm

- For Remote application
- ETL Listed
- Damp rated



## Driver Options

### D1

- Dimming Control 0-10V
- Dimming Range 1-100%
- Dim to off yes at 0.8V, 1V, 1.2V, or N/A
- Power Factor @ Full Load >0.9 under 120Vac Input with 80~100% load condition (for all output currents)
- Efficiency @ Full Load ≥86
- THD @ Full Load <20% under 120Vac input with 80~100% load condition (for all output currents)

#### Dimmer Compatibility

- Leviton IP710-LFZ / IP710-DLX
- Lutron DVTV/DVSTV/DVSCTV/DVSCSTV

### D1 (With CCT TW1 & TW2)

- Dimming Control 0-10V
- Dimming Range 1-100%
- Dim to off yes
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥85
- THD @ Full Load <20%

#### Dimmer Compatibility

- Leviton IP710-LFZ / IP710-DL X
- Lutron DVTV/DVSTV/DVSCTV/DVSCST V

### D8 (With Optics MS, MD, & WW - except Power HP)

- Dimming Control Phase Control
- Dimming Range 10-100%
- Dim to off no
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥80
- THD @ Full Load <5%

#### Dimmer Compatibility

- Leviton IPE04-1LZ
- Lutron DVELV-300P

### D8 (With Power HP & CCT SD)

- Dimming Control Phase Control
- Dimming Range 20-100%
- Dim to off yes
- Power Factor @ Full Load >0.95
- Efficiency @ Full Load ≥80
- THD @ Full Load <10%

#### Dimmer Compatibility

- Leviton IPE04-1LZ
- Lutron DVELV-300P

### D8 (With Optic SS)

- Dimming Control Phase Control
- Dimming Range 10-100%
- Dim to off no
- Power Factor @ Full Load >0.9
- Efficiency @ Full Load ≥78
- THD @ Full Load <12%

#### Dimmer Compatibility

- Leviton IPE04-1LZ
- Lutron DVELV-300P

As technology changes, please use information above as guidance. For most recent updated information please contact factory. Specifications subject to change without notice.