

ENTERO M



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 3/4"			
Ceiling Cut-out:	3 3/8"	5"	3 3/8"	4 3/16"
Ceiling Thickness:	Max 5/8"			
Adjustability:	Adjustable 0-30° / 355° or fixed Wallwash			
Rating:	Available IP20, IP44 & IP65, <i>see ordering below</i>			

Performance	Static CCT		Soft Dim	TW1 / TW2
Optic:	SS	SP/FL/WFL/WW	(all)	(all)
LED Maintenance:	L90>41,000h	L90>50,000h	L90>50,000h	
McAdam Step:	2	1	2	
CRI:	90		90	
*LP:	8.2W			
*MP:	17.2W			
*HP:	25W			
*SP:			16.1W	9W

Delivered Lumens	3000K				3000-1800K		2700-6500K	
**See page 4 for full details	SS	NS	MD	WS	NS	MD	NS	MD
Entero M:	610Lm	1545Lm	1521Lm	1530Lm	1190Lm	1170Lm	799Lm	787Lm
Entero M HP:		2067Lm	2035Lm	2048Lm				

Listing

ETL certified to US and Canadian safety standards.

Warranty

5-year limited warranty.

Ordering

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

Example: ENTM-RNSMP2-35-NPFD1-277-ATL-W

Luminaire	Size	Shape	Optic**	Power*	Rating	CCT	Application	Controls***	Function	Installation	Finish	
ENT ENTERO	M Medium	R Round	NS Narrow Spot 18°	MP Medium Power	2	27	NAT New Construction-Non-IC Airtight	D1-120 0-10V dim 120V	A Adjustable	ST Recessed with small trim	B Black	
					IP20 for interior use	2700K						
			MD Flood Medium Spot 30°	6(2) IP65 for exterior use	4	30	NPF New Construction-Non-IC Plasterframe	D1-277 0-10V dim 277V				GC(2) Gold Colored
					IP44 for interior use, wet environments	3000K						
			WS(1) Medium Wide Spot 45°	HP High Power	2	27	NPF New Construction-NON-IC PLASTERFRAME	D1-347 0-10V dim 347V				W White
					IP20 for interior use	2700K						
		SP Standard Power	2	4	SD 3000-1800K	NAT New Construction-Non-IC Airtight	D8-120 FE ELV dim 120V					
								IP44 for interior use, wet environments	3000K			
		6(2) IP65 for exterior use	2	4	TW1 2700-6500K	NAT New Construction-Non-IC Airtight	D1-120 0-10V dim 120V					
								IP20 for interior use	2700K			
		6(2) IP65 for exterior use	2	4	TW2 1800-4000K	NPF New Construction-Non-IC Plasterframe	D1-347 0-10V dim 347V					
								IP44 for interior use, wet environments	3000K			
6(2) IP65 for exterior use	2	4	NAT_RMT New Construction-Non-IC Airtight + Remote Power Supply	D1-120 0-10V dim 120V	D1-347 0-10V dim 347V							
						IP20 for interior use	2700K					

1 Optic WFL only available in IP20 (Rating 2)

2 IP65 (Rating 5) 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: ENTM-RSSLP2-27-IATD1-120-AST-B

Luminaire	Size	Shape	Optic**	Power*	Rating	CCT	Application ⁽⁴⁾	Controls***	Function	Installation	Finish		
ENT ENTERO	M Medium	R Round	SS Super Spot	LP Low Power	2 IP20 for interior use	27 2700K	IAT ⁽³⁾ New Construction-IC Airtight	D1-120 0-10V dim 120V	A ⁽¹⁾ Adjustable	ST Recessed with small trim	B Black		
					6 ⁽⁵⁾ IP65 for exterior use							30 3000K	INAT_RMT ⁽³⁾ New Construction-IC Non-Airtight
												35 3500K	NPF New Construction-IC PLASTERFRAME
		S Square	WW Wallwash	MP Medium Power	2 IP20 for interior use	TW1 2700-6500K	IAT_RMT New Construction-IC AIRTIGHT	D1-120 0-10V dim 120V					
									TW2 1800-4000K			INAT_RMT New Construction-IC Non-Airtight	
													D1-277 0-10V dim 277V
	SP Standard Power	2 IP20 for interior use											
											GC ⁽²⁾ Gold Colored		
											W White		

1 Wallwash (Optic WW) is fixed, not adjustable.
 2 IP65 (Rating 6) not available in Trimless (Installation TL) or Gold Colored (Finish GC).
 3 Provided with UNV 120-277V driver when using Controls D1.
 4 Remodel (Application REM) for Optic SS only available with Controls D8.
 *** Contact factory for Dali, DMX, or other dimming options.

Related Products

Entero S, Entero L

Finish Options

ENTERO M ROUND ST



ENTERO M ROUND ST WW





Finish Options

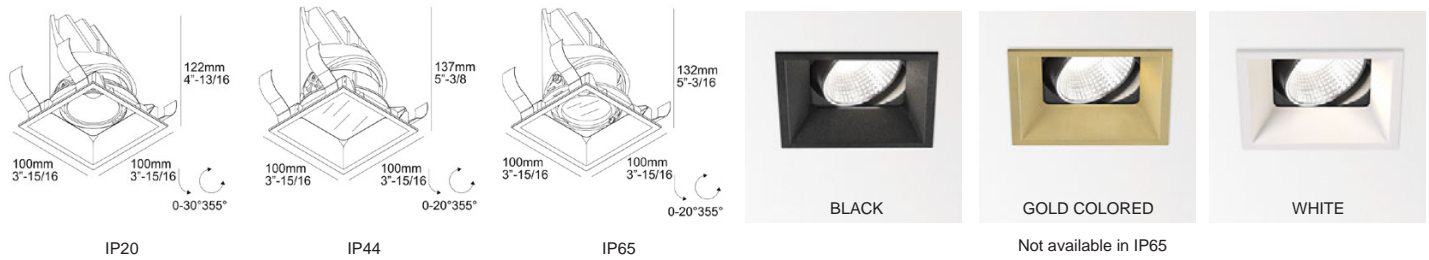
ENTERO M ROUND TL



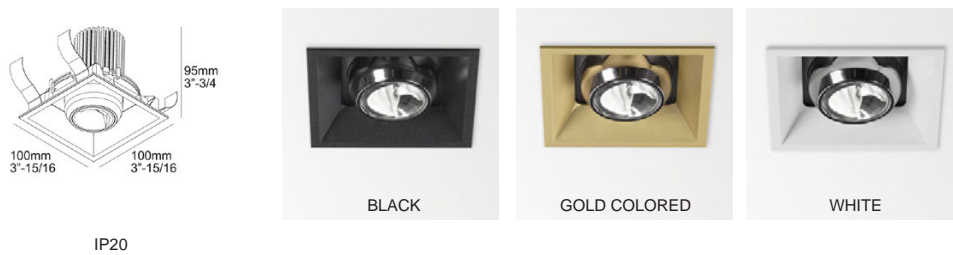
ENTERO M ROUND TL WW



ENTERO M SQUARE ST



ENTERO S SQUARE ST WW



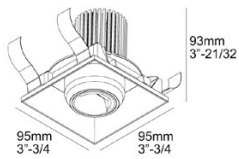
ENTERO M SQUARE TL



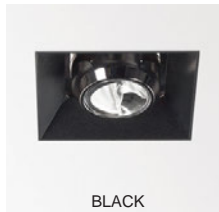


Finish Options

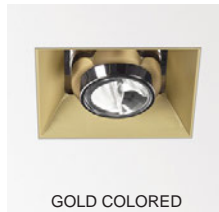
ENTERO M SQUARE TL WW



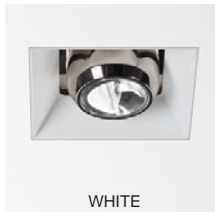
IP20



BLACK



GOLD COLORED



WHITE

Accessories



LINEAR SPREAD LENS
28500 0070

Only available for Optic SP or FL with Rating 2 or 6 or- CCT TW (all)



SPREAD LENS
28500 0080

Only available for Optic SP or FL with Rating 2 or 6 or- CCT TW (all)



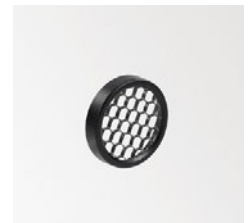
SOFTENING LENS
28500 0090

Only available for Optic SP or FL with Rating 2 or 6 or- CCT TW (all)



GLASS SBL
28500 0100

Only available for Optic SP or FL with Rating 2 or 6 or- CCT TW (all)



HONEYCOMB SINGLE USE
28500 0110 B

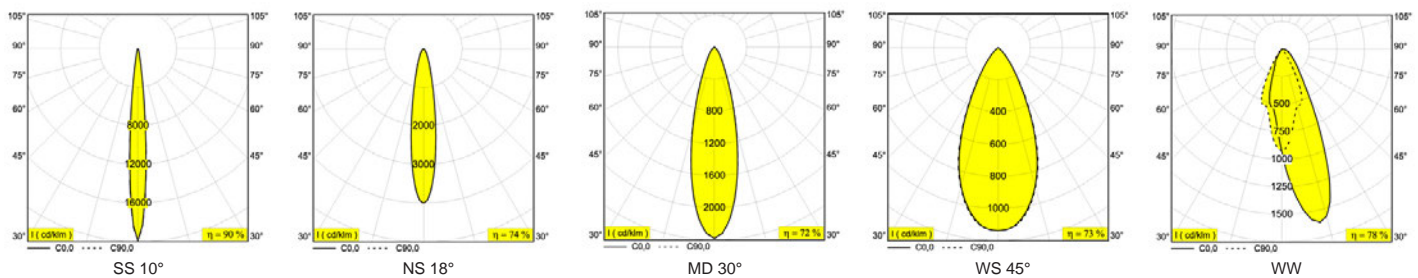
Only available for Rating 2 or 6

Photometric Data

Delivered Lumens	2700K					3000K					3500K				
	10°	18°	30°	45°	WW	10°	18°	30°	45°	WW	10°	18°	30°	45°	WW
Entero M LP	610Lm					610Lm					610Lm				
Entero M LP IP165	553Lm					553Lm					553Lm				
Entero M MP		1478Lm	1455Lm	1464Lm	810Lm		1545Lm	1521Lm	1530Lm	847Lm		1600Lm	1575Lm	1586Lm	878Lm
Entero M MP IP44		1340Lm	1338Lm				1401Lm	1400Lm				1452Lm	1450Lm		
Entero M MP IP65		1220Lm	1233Lm				1276Lm	1290Lm				1322Lm	1336Lm		
Entero M SP		1977Lm	1946Lm	1959Lm			2067Lm	2035Lm	2048Lm			2141Lm	2108Lm	2122Lm	

Delivered Lumens	3000-1800K			2700-6500K				1800-4000K			
	18°	30°	45°	18°	30°	45°	WW	18°	30°	45°	WW
Entero M SP	1190Lm	1170Lm	1179Lm	799Lm	787Lm	792Lm	884Lm	720Lm	787Lm	792Lm	796Lm
Entero M SP IP44	1079Lm	1078Lm		725Lm	787Lm			653Lm	652Lm		
Entero M SP IP65	983Lm	993Lm		660Lm	667Lm			595Lm	601Lm		

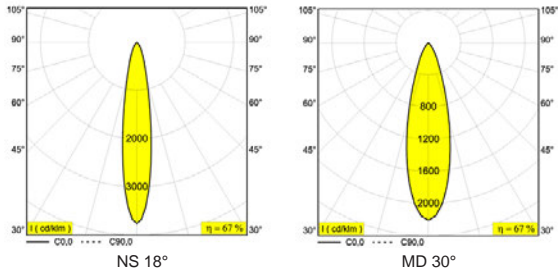
ENTERO M ROUND IP20



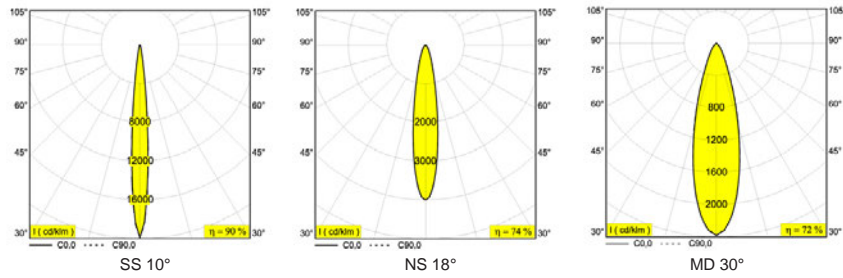


Photometric Data (cont'd)

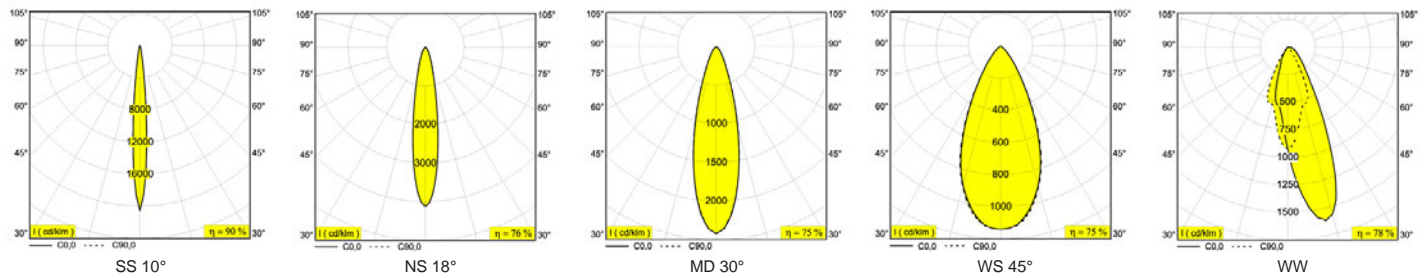
ENTERO M ROUND X IP44



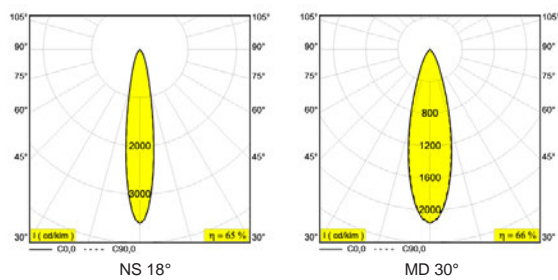
ENTERO M ROUND X IP65



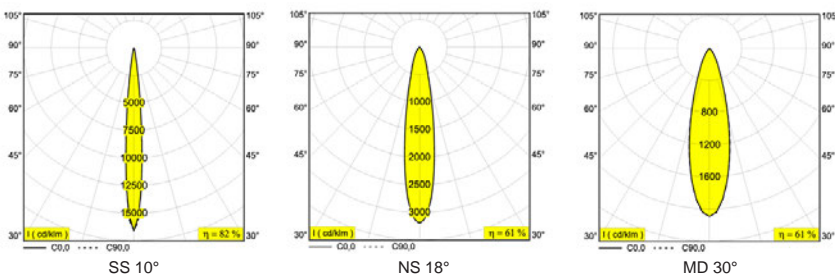
ENTERO M SQUARE IP20



ENTERO M SQUARE X IP44



ENTERO M SQUARE IP65





Installation Options

IC AIRTIGHT (Optic SS all CCT but TW)

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 (Optic SS all CCT but TW)

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 SS CCT TW1 & TW2 only)

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 service from room side

IC NON-AIRTIGHT (Optic SS CCT TW1 & TW2 only)

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 AIRTIGHT (Optics NS, MD, & WS)

L-Large:
A:18"-7/8 x **B:**12"-7/16 x **C:**8"-1/2
A:479mm x **B:**316mm x **C:**220mm

- Large Profile 8"-1/2 Height
- New Construction Airtight
- For use in insulated ceiling
- Chicago Plenum
- ETL Listed
- Hangerbar expand to 26"- reduce to 14"-3/16
- Damp rated
- Voltage dedicated (120V or 277V)

NON-IC PLASTERFRAME (Optic NS, MD, & WS)

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)

NON-IC PLASTERFRAME (With CCT SD & Power HP)

L-Large:
A:18"-7/8 x **B:**12"-7/16 x **C:**5"
A:479mm x **B:**316mm x **C:**127mm

- Low Profile 5" Height
- New Construction
- For use in non-insulated ceiling
- ETL Listed
- Hangerbar expand to 26"- reduce to 14"-3/16
- 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 (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-DLZ
- Lutron DVTV-XX

D8 (With Optic WW)

- 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 Optics SP, FL, & WFL)

- Dimming Control Phase Control
- Dimming Range 20-100%
- Dim to off yes
- Power Factor @ Full Load >0.9
- 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.