

RETROFIT WITH ROUND SERIES

Adapters for Hazardous Location Fixtures

RED SKY

SERIOUSLY SAFE LIGHTS™



DATE

PART #

PROJECT

LOCATION

QTY

FEATURES

- Ideal for harsh and hazardous applications
- One-person installation for quick, hassle-free upgrades from existing HID's to LEDs
- Smart design allows for easy conversion to Crouse-Hinds Champ VMV, Appleton Mercmaster II,III
- Easily convert wall, ceiling and stanchion mounts without accessing conduit system
- Plug & Play: Fixture ships with WAGO connectors, wires, and adapter pre-installed for quick, hassle-free installation.

CERTIFICATIONS

- UL844
- UL1598C
- CSA C22.2 No. 250.1
- CSA C22.2 No. 137
- FCC Part 15, Subpart B

RATINGS

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1 Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III
- Class I, Zone 2, Group IIC
- Zone 21, Group IIIC
- UL 1598C Wet Locations
- NEMA 4X(Fixture only)
- IP66(Fixture only)
- IK08(Glass)
- IK10(PC)
- Salt Spray 720 hrs (ASTM B117)

TECHNICAL PARAMETERS

Specification	RND2-5L	RND2-6L	RND2-7L	RND2-8L	RND2-9L	RND2-10L
Electrical Parameters						
Power	35W	40W	45W	55W	60W	65W
Rated Input Current (120V AC)	0.324A	/	0.416A	0.509A	/	0.601A
Rated Input Current (277V AC)	0.140A	/	0.180A	0.220A	/	0.260A
Rated Input Current (347V AC)	/	0.128A	/	/	0.192A	/
Rated Input Current (480V AC)	/	0.092A	/	/	0.138A	/
Voltage/Frequency			50/60Hz			
Power Factor			≥0.90			
THD			<20%			
L70			127,000 hrs@140°F			
Dimming		0-10V, Range 10-100%			/	
					0-10V, Range 10-100%	
Surge Protection			10KV			
Supply Wire			12-18AWG@Rated 90°C			
Warranty			LEDs: 10 years, Driver: 7 years			
Optical Parameters						
Lumen Output*	5,048Lm	5,617Lm	6,532Lm	7,982Lm	8,901Lm	9,591Lm
Lumen Efficacy*	150Lm/W					
Available Beam Angle			60°/ 120°/T1/T3			
CCT			3000K/4000K/5000K/Amber			
Color Rendering Index (CRI)			80 CRI			
Mechanical Parameters						
Housing Material			Die-cast aluminum			
Hardware			Stainless steel 316			
Lens Material			Tempered Glass/Polycarbonate			
Mounting Cover Options			MM3/CMP/MM2/MM2L**			
Product Weight		MM3-16.09lbs/7.3kg, CMP-14.77lbs/6.7kg, MM2-14.33lbs/6.5kg				
Cable Entry		(4) 3/4" NPT				
Product Dimensions(LxWxH)		MM3-13.6×12.1×9.3 in (345×307×235 mm) CMP-11.6×10.3×8.2 in (295×261×208 mm) MM2-10.5×9.7×8.7 in (266×246×220 mm)				
Environmental Parameters						
Ambient Operating Temperature			-40°F ~ +140°F (-40°C ~ 60°C)			
T-Code Rating			C1D2 – T4A, C2D1 – T5			
EPA wind rating (FT2)			1.520/0.141			

* Value calculated based on 5000K, 80 CRI and clear glass ,varies to different spec.

** MM2L only available with C1D2

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ORDERING INFORMATION

RND2	6L	100-277	5K	60	H3	CG	GRY	MM3	
PRODUCT SERIES	WATTAGE	VOLTAGE	CCT	BEAM	RATING	LENS	COLOR	MOUNTING	CRI
RND2	5L - 35W, 5000Lm 6L - 40W, 6000Lm 7L - 45W, 7000Lm 8L - 55W, 8000Lm 9L - 60W, 9000Lm 10L - 65W, 10000Lm	120 - 277 - 120-277V AC (1) 347 - 480 - 347-480V AC	3K - 3000K 4K - 4000K 5K - 5000K AM - Amber(2)	60 - 60°(NEMA 4 - Medium) (3) 120 - 120°(NEMA 6 - Wide) T1 - Type I (3) T3 - Type III (3)	H2 - C1D2 / C2D1 / C3 H3 - C1D2(5)	CG - Clear Glass DG - Diffuse Glass DLG - Diffuse Drop Lens Glass CP - Clear PC DP - Diffuse PC DLP - Diffuse Drop Lens PC	GRY - Grey	MM3 - Mercmaster III CMP - Crouse Hinds Champ MM2 - Mercmaster II MM2L - Mercmaster II (LPWB-75/100)(5)	BLANK - 80 CRI Standard CRI90 - 90 CRI(4)

1 120-277 only available for 35W,45W,55W,65W

1 347-480 only available for 40W, 60W

2 Only available with Beam 120

3 Only available with Clear Glass & Clear PC

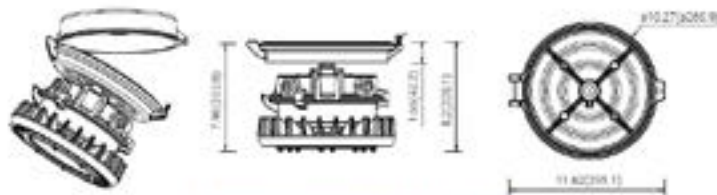
4 CRI90 expects longer leadtime

5 MM2L only available with H3, H3 only available for MM2L

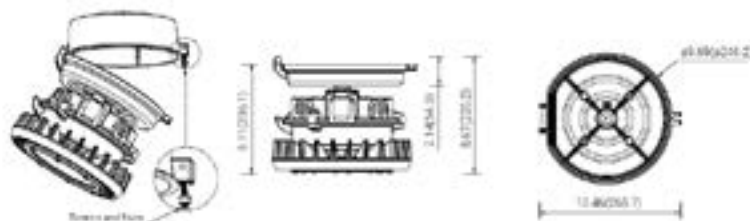
DIMENSIONS



RND2 with Appleton® Mercmaster III Adapter



RND2 with Crouse-Hinds - Champ® Adapter



RND2 with Appleton® Mercmaster II Adapter

RETROFIT OPTIONS

Appleton® Mercmaster III				
PENDANT	CEILING	WALL	STANCHION	QUAD MOUNT
KPA-75, 100	KPC-75	KPWB-75	KPS-125	
KPAF-75, 100	KPC-100	KPWB-100	KPS-150	
KPCH-75, 100			KPST-125	
			KPST-150	
Eaton's Crouse-Hinds-Champ®				
APM2	CM2	TWM2	JM5	QM25
APM3	CM3	TWM3	PM5	
HPM2				
Appleton® Mercmaster II				
LPA-75	LPC-75	LPWB-75	LPS-125	
LPA-100	LPC-100	LPWB-100	LPS-150	

MOUNTING ACCESSORIES

PART #	DESCRIPTION	MPN CODE
SFCB02	Safety Cable Kit, SUS304	210010094
RND-WG	Wire Guard, SUS304	210100104
RND2-WGG	Wire Guard for Globe Lens, SUS304	210100105
RND-VISO25	Visor, 25 Degrees, Aluminium Alloy, Powder-Coated Grey RAL 7037	210010088
RND-VISO90	Visor, 25 Degrees, Aluminium Alloy, Powder-Coated Grey RAL 7037	210010087

RESOURCES



SCAN FOR LATEST
PRODUCT INFORMATION

[LINK TO FULL SPECIFICATION](#)