

tradeSELECT[®]

FEATURES

- Efficient wet location high bay
- Suitable for a variety of areas including warehouses, gyms, covered outdoor areas, garden centers and mezzanines
- Optional integrated occupancy sensor offers increased energy savings
- Three reflector options provide glare reduction and aesthetic customization
- Efficacy up to 146 lms/w assures energy savings over traditional high bay luminaires
- Offers lumen packages from 14,000 to 34,000 lms for proper illumination on a variety of high bay applications



SPECIFICATIONS

CONSTRUCTION

- Die cast aluminum housing
- Available with standard clear tempered glass or optional frosted polycarbonate lens
- Thermally separated electronic and LED heat sink design
- 6' wet location power and dimming cords standard (no plug)

INSTALLATION

- Pendant mount from fixture eye bolt or 3/4" threaded conduit with snap hook
- Symmetric for easy one-for-one replacement of existing high bays
- Weight: 15 lbs.

ELECTRICAL

- Long-life +54,000hr LEDs at L70
- Total input wattage of 100W / 150W / 200W / 240W
- Universal voltage standard (120–277V); 347V, 480V optional
- 6kV surge protection

CONTROLS

- Dimming control sensor for occupancy and ambient light level detection

CERTIFICATIONS

- All luminaires are built to UL 1598 standards, and bear appropriate cULus labels for wet locations
- IP66 rated

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	14,000–34,000
Wattage Range	100–238
Efficacy Range (LPW)	126–144
Reported Life (Hours)	L70/+54,000

STOCK GUIDE

Catalog Number	CRN2 Cat. # Cross	Description	Lumens	Watts	LPW	Qty on Pallet	HID Replacement
CRN-40LX-EDU	—	4000K, 120-277V, 0-10V dimming	14444	100.6	144	20	250W
CRN-50LX-EDU	CRN2-50LX-EDU-FP	5000K, 120-277V, 0-10V dimming	14444	100.6	144	20	250W
CRN-40MM-EDU	—	4000K, 120-277V, 0-10V dimming	21702	150.6	144	20	400W
CRN-50MM-EDU	CRN2-50MM-EDU-FP	5000K, 120-277V, 0-10V dimming	21702	150.6	144	20	400W
CRN-40MV-EDU	—	4000K, 120-277V, 0-10V dimming	27856	200	139	20	750W
—	CRN2-50MV-EDU-FP	5000K, 120-277V, 0-10V dimming	27856	200	139	20	750W
CRN-40MX-EDU	—	4000K, 120-277V, 0-10V dimming	34202	245.2	139	20	750W
CRN-50MX-EDU	CRN2-50MX-EDU-FP	5000K, 120-277V, 0-10V dimming	34202	245.2	139	20	750W
—	CRN2-40HM-EDU-FP	4000K, 120-277V, 0-10V dimming	37927	271.4	140	20	750W
—	CRN2-50HM-EDU-FP	5000K, 120-277V, 0-10V dimming	37927	271.4	140	20	750W
CRNAL18	CRN2AL18	Aluminum Reflector	—	—	—	40	—
CRNWA18	CRN2WA18	Clear Acrylic Reflector	—	—	—	40	—
CRNWW18	CRN2WW18	Diffuse Acrylic Reflector	—	—	—	40	—
CRN-SNAPHOOK	CRN2-SNAPHOOK	Snap Hook for 3/4" Conduit	—	—	—	—	—

SKU update in progress. If CRN (glass lens option) is no longer available, ordered items will be replaced with CRN2 (frosted polycarbonate lens option). Contact your Lighting Representative for more information.

ORDERING GUIDE

Example: CRN-40LX-EDU-OCS

CATALOG #

CRN	—	—	—	ED	—	—	—
Model	Color Temp	Nominal Lumens		Dimming	Voltage	Lens	Control Options
CRN Wet Location High Bay	40K 4000K 50K 5000K	LX Low Extra High Lumen (14,000) MM Medium Lumen (21,000) MV Medium Very High Lumen (28,000) MX Medium Extra High Lumen (34,000)		ED 0–10V Dimming	U 120–277V HV 347–480V	Blank Glass FP Frosted Polycarbonate	OCS Microwave Occupancy Sensor, Dimming, with photocell 1:1, Mounting Height to Coverage Ratio ¹

Accessories (Order Separately)

- ☐ CRNAL18 Aluminum Reflector
- ☐ CRNWA18 Clear Acrylic Reflector
- ☐ CRNWW18 Diffuse Acrylic Reflector
- ☐ CRN-YM Yoke Mount²
- ☐ CRN-YOKE-ADPT Yoke 3/4" Conduit Adaptor
- ☐ CRN-SNAPHOOK Snap Hook for 3/4" Conduit
- ☐ CRN-TLR Top Luminaire Retainer

Notes:

- Requires use of one commissioning remote per project. Match remote type with sensor type base on Made To Order Sensor Options chart
- Pendant mount slot on yoke is 1/2". Use CRN-YOKE-ADPT to convert to 3/4"

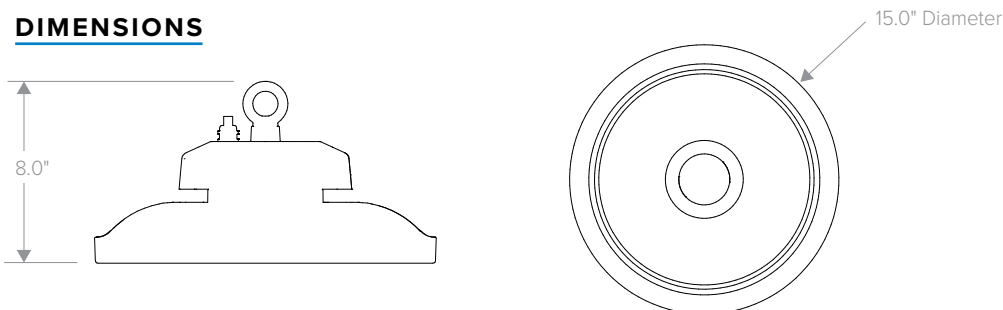
Made To Order CRN Sensor Options		
Part Number	Catalog Logic	Sensor Type
93098541	CRN-40MM-EDU-OCS	MerryTek
93114448	CRN-40MV-EDU-OCS	Haisen
93114449	CRN-40MX-EDU-OCS	Haisen
93098544	CRN-50LX-EDU-OCS	MerryTek
93098545	CRN-50MM-EDU-OCS	MerryTek
93098546	CRN-50MV-EDU-OCS	MerryTek
93098547	CRN-50MX-EDU-OCS	MerryTek
Commissioning Remote		
93100556	For use with Merrytek Sensors	
93114445	For Use with Haisen Sensors	

ELECTRICAL DATA

Output Version	AMP DRAW						Power Factor (@277V)	THD (@120V)	Ambient Temp Range	Dimming Range	L70 Lumen Maintenance	Warranty
	120V	208V	240V	277V	347V	480V						
14,000 ("LX")	0.86	0.49	0.43	0.37	0.28	0.20	0.96	5.8	-20°–55°C	100% to 10%	54+ khrs	5 years
21,000 ("MM")	1.29	0.75	0.66	0.59	0.45	0.32	0.91	8.2				
28,000 ("MV")	1.74	0.98	0.86	0.76	0.58	0.42	0.95	8.9	-20°–50°C			
34,000 ("MX")	2.04	1.16	1.02	0.90	0.74	0.53	0.99	5.4				

DELIVERED LUMENS

Fixture	Color	Nominal Lumens	Reflector	Lens	Lumens	Watts	LPW	Replaces legacy source	
CRN-40LX-EDU	4000K	LX 14,000	None	Clear Glass	14426	100.3	144	250W HID	
CRN-40LX-EDU-277					13792	97.7	141		
CRN-40LX-EDU-WW18					13561	100.2	135		
CRN-40LX-EDU-WA18					13754	100.3	137		
CRN-40LX-EDU-AL18					12969	100.3	129		
CRN-40LX-EDU-FP			None	Frosted Polycarbonate	11527	101.0	114		
CRN-50LX-EDU	5000K			None	Clear Glass	14628	100.3		146
CRN-50LX-EDU-277				13985		97.7	143		
CRN-50LX-EDU-WW18				13751		100.2	137		
CRN-50LX-EDU-WA18				13946		100.3	139		
CRN-50LX-EDU-AL18				13151		100.3	131		
CRN-50LX-EDU-FP			None	Frosted Polycarbonate	11689	101.0	115		
CRN-40MM-EDU	4000K	MM 21,000	None	Clear Glass	21678	150.4	144	400W HID	
CRN-40MM-EDU-277					21118	149.2	142		
CRN-40MM-EDU-WW18					20195	150.2	134		
CRN-40MM-EDU-WA18					20731	150.3	138		
CRN-40MM-EDU-AL18					19309	150.2	129		
CRN-40MM-EDU-FP			None	Frosted Polycarbonate	17059	151	113		
CRN-50MM-EDU	5000K			None	Clear Glass	21981	150.4		146
CRN-50MM-EDU-277				21414		149.2	144		
CRN-50MM-EDU-WW18				20478		150.2	136		
CRN-50MM-EDU-WA18				21022		150.3	140		
CRN-50MM-EDU-AL18				19580		150.2	130		
CRN-50MM-EDU-FP			None	Frosted Polycarbonate	17298	151.0	114		
CRN-40MV-EDU	4000K	MV 28,000	None	Clear Glass	28618	200.9	142	750W HID	
CRN-40MV-EDU-277					27468	191.6	143		
CRN-40MV-EDU-WW18					26597	200.5	133		
CRN-40MV-EDU-WA18					27330	200.6	136		
CRN-40MV-EDU-AL18					25668	200.5	128		
CRN-40MV-EDU-FP			None	Frosted Polycarbonate	23752	201.0	118		
CRN-50MV-EDU	5000K			None	Clear Glass	29018	200.9		144
CRN-50MV-EDU-277				27853		191.6	145		
CRN-50MV-EDU-WW18				26970		200.5	135		
CRN-50MV-EDU-WA18				27713		200.6	138		
CRN-50MV-EDU-AL18				26027		200.5	130		
CRN-50MV-EDU-FP			None	Frosted Polycarbonate	24085	201.0	120		
CRN-40MX-EDU	4000K	MX 34,000	None	Clear Glass	33520	239.2	140	750W HID	
CRN-40MX-EDU-277					32912	231.6	142		
CRN-40MX-EDU-WW18					31226	238.8	131		
CRN-40MX-EDU-WA18					32117	238.9	134		
CRN-40MX-EDU-AL18					30116	238.8	126		
CRN-40MX-EDU-FP			None	Frosted Polycarbonate	27704	241.0	115		
CRN-50MX-EDU	5000K			None	Clear Glass	33989	239.2		142
CRN-50MX-EDU-277				33373		231.6	144		
CRN-50MX-EDU-WW18				31663		238.8	133		
CRN-50MX-EDU-WA18				32567		238.9	136		
CRN-50MX-EDU-AL18				30538		238.8	128		
CRN-50MX-EDU-FP			None	Frosted Polycarbonate	28092	241	117		

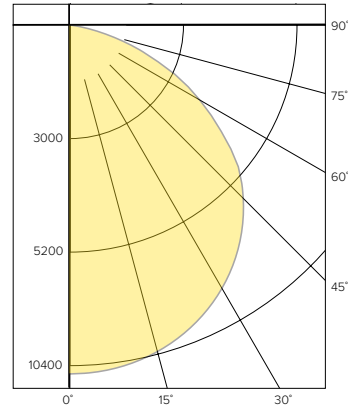
DIMENSIONS

PHOTOMETRY**CRN-40MV-EDU****LUMINAIRE DATA**

Test No.	18.01025
Description	15" Diameter CRN High Bay LED with Clear Flat Glass Lens
Delivered Lumens	28,618
Watts	200.9
Efficacy	142.4
Mounting	Pendant
Spacing Criterion	1.29

ZONAL LUMEN SUMMARY

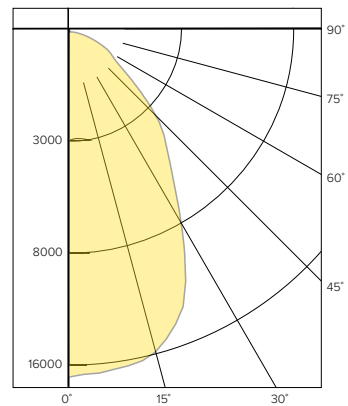
Zone	Lumens	% Luminaire
0-30	8073	28.8
0-40	13,351	46.7
0-60	23,777	83.1
0-90	28,618	100.0
0-180	28,618	100.0

POLAR GRAPH**CRN-40MV-EDU-WA18****LUMINAIRE DATA**

Test No.	18.01141
Description	15" Diameter CRN High Bay with Clear Flat Glass Lens and 18" Clear Acrylic Open Bottom Reflector
Delivered Lumens	27,331
Watts	200.6
Efficacy	136.1
Mounting	Pendant
Spacing Criterion	1.05

ZONAL LUMEN SUMMARY

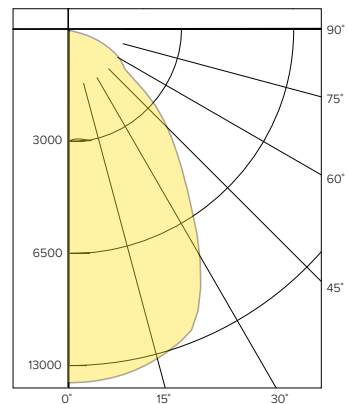
Zone	Lumens	% Luminaire
0-30	11,523	42.2
0-40	16,810	61.5
0-60	24,001	87.8
0-90	27,117	99.2
0-180	27,331	100.0

POLAR GRAPH**CRN-40MV-EDU-WW18****LUMINAIRE DATA**

Test No.	18.01142
Description	15" Diameter CRN High Bay with Clear Flat Glass Lens and 18" Diffuse Acrylic Open Bottom Reflector
Delivered Lumens	26,598
Watts	200.5
Efficacy	132.5
Mounting	Pendant
Spacing Criterion	1.13

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	9,893	37.2
0-40	14,899	56.0
0-60	21,739	81.7
0-90	25,560	96.1
0-180	26,598	100.0

POLAR GRAPH

PHOTOMETRY CONT'D

CRN-40MV-EDU-AL18

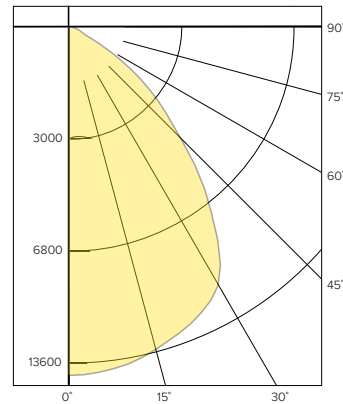
LUMINAIRE DATA

Test No.	18.01451
Description	15" Diameter CRN High Bay with Clear Flat Glass Lens and 18" Aluminum Open Bottom Reflector
Delivered Lumens	25,668
Watts	200.53
Efficacy	128
Mounting	Pendant
Spacing Criterion	1.23

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	10,502	40.9
0-40	16,719	65.1
0-60	24,326	94.8
0-90	25,668	100.0
0-180	25,668	100.0

POLAR GRAPH



ADDITIONAL INFORMATION

CLEAR ACRYLIC REFLECTOR



DIFFUSE ACRYLIC REFLECTOR



SPUN ALUMINUM REFLECTOR



CLEAR GLASS LENS



FROSTED POLYCARBONATE LENS

