

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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



RELATED PRODUCTS

Ø [UTB2](#)

Ø [HBL](#)

Ø [CHB](#)

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
- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

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

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STOCK GUIDE

Catalog Number	CRN2 Cat. # Cross	Description	Lumens	Watts	LPW	Qty on Pallet	HID Replacement
CRN-40LX-EDU	CRN2-40LX-EDU-FP	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	CRN2-40MM-EDU-FP	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	CRN2-40MV-EDU-FP	4000K, 120-277V, 0-10V dimming	27856	200	139	20	750W
CRN-50MV-EDU	CRN2-50MV-EDU	5000K, 120-277V, 0-10V dimming	27856	200	139	20	750W
CRN-40MX-EDU	CRN2-40MX-EDU-FP	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 Hubbell Representative for more information.

ORDERING GUIDE

Example: CRN-40LX-EDU-OCS

CATALOG #

CRN	Color Temp	Nominal Lumens	ED	Dimming	Voltage	Lens	Control Options
Model							
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

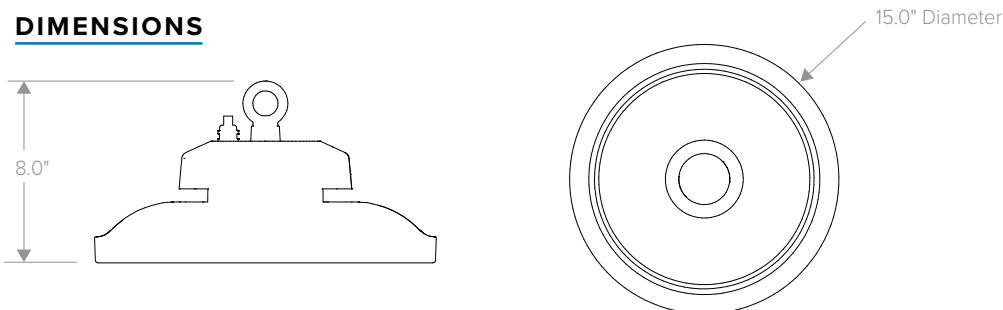
Output Version	AMP DRAW						Power Factor (@277V)	THD (@120V)	Ambient Temp Range	Dimming Range	L70 Lumen Maintenance	Warranty
	120V	208V	240V	277V	347V	480V						
14,000 ("LX")	0.86	0.49	0.43	0.37	0.28	0.20	0.96	5.8	-20°–55°C	100% to 10%	54+ khrs	5 years
21,000 ("MM")	1.29	0.75	0.66	0.59	0.45	0.32	0.91	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				

DATE:	LOCATION:
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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			Diffuse Acrylic		13561	100.2	135	
CRN-40LX-EDU-WA18			Clear Acrylic		13754	100.3	137	
CRN-40LX-EDU-AL18			Aluminum		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			Diffuse Acrylic		13751	100.2	137	
CRN-50LX-EDU-WA18			Clear Acrylic		13946	100.3	139	
CRN-50LX-EDU-AL18			Aluminum		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			Diffuse Acrylic		20195	150.2	134	
CRN-40MM-EDU-WA18			Clear Acrylic		20731	150.3	138	
CRN-40MM-EDU-AL18			Aluminum		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			Diffuse Acrylic		20478	150.2	136	
CRN-50MM-EDU-WA18			Clear Acrylic		21022	150.3	140	
CRN-50MM-EDU-AL18			Aluminum		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			Diffuse Acrylic		26597	200.5	133	
CRN-40MV-EDU-WA18			Clear Acrylic		27330	200.6	136	
CRN-40MV-EDU-AL18			Aluminum		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			Diffuse Acrylic		26970	200.5	135	
CRN-50MV-EDU-WA18			Clear Acrylic		27713	200.6	138	
CRN-50MV-EDU-AL18			Aluminum		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			Diffuse Acrylic		31226	238.8	131	
CRN-40MX-EDU-WA18			Clear Acrylic		32117	238.9	134	
CRN-40MX-EDU-AL18			Aluminum		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			Diffuse Acrylic		31663	238.8	133	
CRN-50MX-EDU-WA18			Clear Acrylic		32567	238.9	136	
CRN-50MX-EDU-AL18			Aluminum		30538	238.8	128	
CRN-50MX-EDU-FP			None	Frosted Polycarbonate	28092	241	117	

DIMENSIONS



PHOTOMETRY

CRN-40MV-EDU

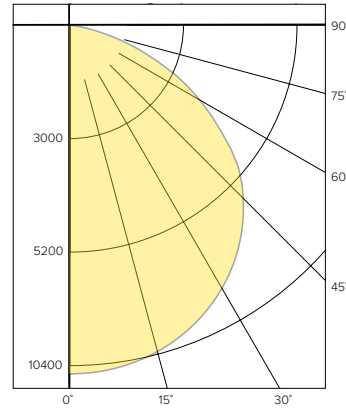
LUMINAIRE DATA

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

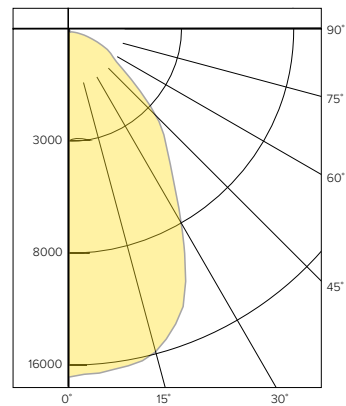
LUMINAIRE DATA

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

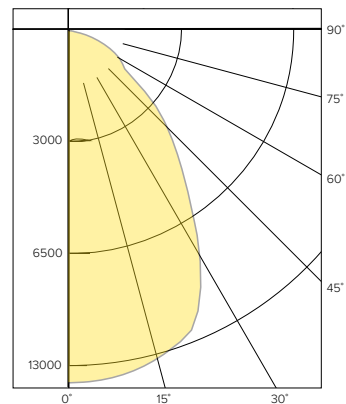
LUMINAIRE DATA

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

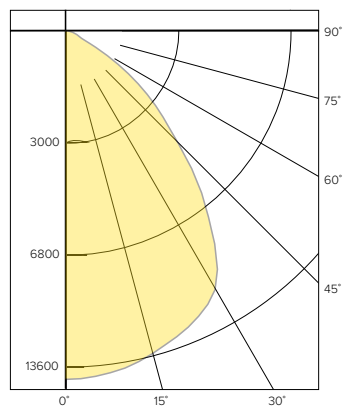
LUMINAIRE DATA

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



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