CRN
Wet Location High Bay

HUBBELL® HUBBELL Industrial Lighting

CAT.#	APPROVALS
JOB	TYPE

SPECIFICATIONS

Applications -

The CRN is an efficient wet location high bay suitable for a variety of areas including warehouses, gyms, covered outdoor areas, garden centers and mezzanines. An optional integrated occupancy sensor offers increased energy savings opportunities. Modify look and reduce glare with one of three reflector options.

Construction -

- Housing: Die Cast Aluminum
- Clear tempered glass lens
- Thermally separated electronic and LED heat sink design
- 6' wet location power and dimming cords standard (no plug)
- Installation: Pendant mount from ¾" threaded conduit or fixture eye bolt
- Symmetric for easy one-for-one replacement of existing high bays
- Weight: 15 lbs.

Performance -

- Nominal lumens: 14,000; 21,000; 28,000; 34,000
- Efficacy up to 143 lm/w
- 0 to 10V dimming to 10%

Reflector Options -

- Clear Acrylic
- Diffuse Acrylic
- Anodized Aluminum

Controls -

- Dimming control sensor for occupancy and ambient light level detection

Electrical -

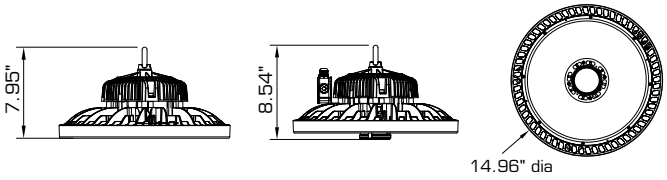
- Long-life +54,000hr LEDs at L_{70}, with projected life over 200,000hrs at L_{70}
- Total input wattage of 100W / 150W / 200W / 240W
- Universal voltage standard (120-277V); 347V, 480V optional
- 6kV surge protection

Warranty -

- Five years warranty (Terms and Conditions apply)

Certifications -

- All luminaires are built to UL1598 standards, and bear appropriate cULus labels for wet location
- DLC® (DesignLights Consortium) Premium Qualified - see www.designlights.org
- IP65



STOCK

Catalog Number	Description	Lumens	Watts	Lm/w	Qty on Pallet	HID Replacement
CRN-40LX-EDU	Wet Location High Bay, 4000K, 120-277V, 0-10V dimming	14,426	100	144	20	250W
CRN-50LX-EDU	Wet Location High Bay, 5000K, 120-277V, 0-10V dimming	14,628	100	146	20	250W
CRN-40MM-EDU	Wet Location High Bay, 4000K, 120-277V, 0-10V dimming	21,678	150	144	20	400W
CRN-50MM-EDU	Wet Location High Bay, 5000K, 120-277V, 0-10V dimming	21,981	150	146	20	400W
CRN-40MV-EDU	Wet Location High Bay, 4000K, 120-277V, 0-10V dimming	28,618	201	142	20	750W
CRN-50MV-EDU	Wet Location High Bay, 5000K, 120-277V, 0-10V dimming	29,018	201	144	20	750W
CRN-40MX-EDU	Wet Location High Bay, 4000K, 120-277V, 0-10V dimming	33,520	239	140	20	750W
CRN-50MX-EDU	Wet Location High Bay, 5000K, 120-277V, 0-10V dimming	33,989	239	142	20	750W
CRNAL18	Aluminum Reflector	–	–	–	40	–
CRNWA18	Clear Acrylic Reflector	–	–	–	40	–
CRNWW18	Diffuse Acrylic Reflector	–	–	–	40	–

ELECTRICAL DATA

OUTPUT VERSION	AMP DRAW						POWER FACTOR (@277V)	THD (@120V)	AMBIENT TEMP RANGE	DIMMING RANGE	L_{70} 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				

CRN - WET LOCATION HIGH BAY

ORDERING INFORMATION

ORDERING EXAMPLE: CRN-40LX-EDU-OCS

CRN	-				-	ED		-	
Family		CCT		Output		Dimming	Voltage		Options

FAMILY

CRN	Wet Location High Bay

CCT

40	4000K
50	5000K

OUTPUT

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)

DIMMING

ED	0-10V Dimming

VOLTAGE

U	120-277V
HV	347-480V

OPTIONS

OCS	Microwave Occupancy Sensor, Dimming, with photocell, 1:1, Mounting Height to Coverage Ratio*

*Not available with 347V-480V.

ACCESSORIES (ORDER SEPARATELY)	
CRNAL18	Aluminum Reflector
CRNWA18	Clear Acrylic Reflector
CRNWW18	Diffuse Acrylic Reflector
CRN-YM	Yoke Mount
CRN-SNAPHOOK	Snap Hook for 3/4" Conduit
CRN-TLR	Top Luminaire Retainer
HBMS-REMOTE	Sensor Commissioning Remote Control

PERFORMANCE TABLE

FXITURE	COLOR	NOMINAL LUMENS	REFLECTOR	LUMENS	WATTS	LPW	REPLACES LEGACY SOURCE
CRN-40LX-EDU	4000K	LX 14,000	None	14,426	100.3	144	250W HID
CRN-40LX-EDU-277				13,792	97.7	141	
CRN-40LX-EDU-WW18			Diffuse Acrylic	13,561	100.2	135	
CRN-40LX-EDU-WA18			Clear Acrylic	13,754	100.3	137	
CRN-40LX-EDU-AL18			Aluminum	12,969	100.3	129	
CRN-50LX-EDU	5000K		None	14,628	100.3	146	
CRN-50LX-EDU-277				13,985	97.7	143	
CRN-50LX-EDU-WW18			Diffuse Acrylic	13,751	100.2	137	
CRN-50LX-EDU-WA18			Clear Acrylic	13,946	100.3	139	
CRN-50LX-EDU-AL18			Aluminum	13,151	100.3	131	
CRN-40MM-EDU	4000K	MM 21,000	None	21,678	150.4	144	400W HID
CRN-40MM-EDU-277				21,118	149.2	142	
CRN-40MM-EDU-WW18			Diffuse Acrylic	20,195	150.2	134	
CRN-40MM-EDU-WA18			Clear Acrylic	20,731	150.3	138	
CRN-40MM-EDU-AL18			Aluminum	19,309	150.2	129	
CRN-50MM-EDU	5000K		None	21,981	150.4	146	
CRN-50MM-EDU-277				21,414	149.2	144	
CRN-50MM-EDU-WW18			Diffuse Acrylic	20,478	150.2	136	
CRN-50MM-EDU-WA18			Clear Acrylic	21,022	150.3	140	
CRN-50MM-EDU-AL18			Aluminum	19,580	150.2	130	
CRN-40MV-EDU	4000K	MV 28,000	None	28,618	200.9	142	750W HID
CRN-40MV-EDU-277				27,468	191.6	143	
CRN-40MV-EDU-WW18			Diffuse Acrylic	26,597	200.5	133	
CRN-40MV-EDU-WA18			Clear Acrylic	27,330	200.6	136	
CRN-40MV-EDU-AL18			Aluminum	25,668	200.5	128	
CRN-50MV-EDU	5000K		None	29,018	200.9	144	
CRN-50MV-EDU-277				27,853	191.6	145	
CRN-50MV-EDU-WW18			Diffuse Acrylic	26,970	200.5	135	
CRN-50MV-EDU-WA18			Clear Acrylic	27,713	200.6	138	
CRN-50MV-EDU-AL18			Aluminum	26,027	200.5	130	
CRN-40MX-EDU	4000K	MX 34,000	None	33,520	239.2	140	750W HID
CRN-40MX-EDU-277				32,912	231.6	142	
CRN-40MX-EDU-WW18			Diffuse Acrylic	31,226	238.8	131	
CRN-40MX-EDU-WA18			Clear Acrylic	32,117	238.9	134	
CRN-40MX-EDU-AL18			Aluminum	30,116	238.8	126	
CRN-50MX-EDU	5000K		None	33,989	239.2	142	
CRN-50MX-EDU-277				33,373	231.6	144	
CRN-50MX-EDU-WW18			Diffuse Acrylic	31,663	238.8	133	
CRN-50MX-EDU-WA18			Clear Acrylic	32,567	238.9	136	
CRN-50MX-EDU-AL18			Aluminum	30,538	238.8	128	

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PHOTOMETRIC DATA: CRN-40MV-EDU TEST NO. 18.01025

LUMINAIRE DATA

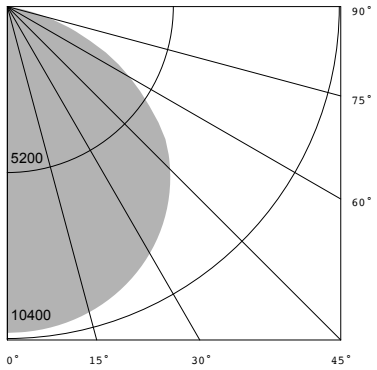
CRN-40MV-EDU

15" Diameter CRN High Bay LED with Clear Flat Glass Lens

Lamp	LED
Lumens	28,618
Watts	200.9
Efficacy	142.4
Mounting	Pendant
Spacing Criterion (0-90)	1.29

ZONE	LUMENS	% FIXT.
0-30	8073	28.2
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



PHOTOMETRIC DATA: CRN-40MV-EDU-WA18 TEST NO. 18.01141

LUMINAIRE DATA

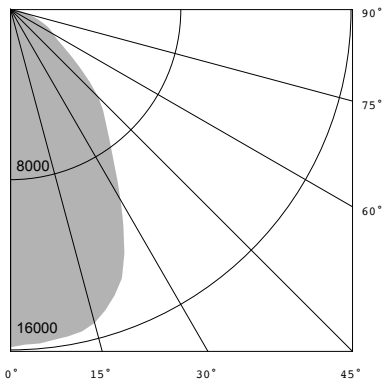
CRN-40MV-EDU-WA18

18" Diameter CRN High Bay with Clear Flat Glass Lens and Clear Acrylic Open Bottom Reflector

Lamp	LED
Lumens	27,331
Watts	200.6
Efficacy	136.1
Mounting	Pendant
Spacing Criterion (0-90)	1.05

ZONE	LUMENS	% FIXT.
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



PHOTOMETRIC DATA: CRN-40MV-EDU-WW18 TEST NO. 18.01142

LUMINAIRE DATA

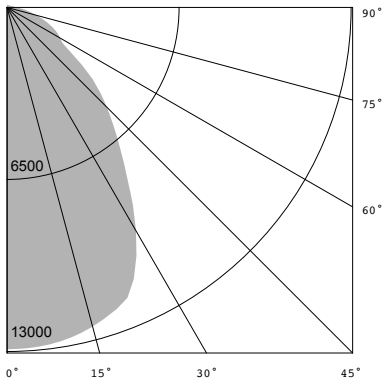
CRN-40MV-EDU-WW18

18" Diameter CRN High Bay with Clear Flat Glass Lens and Diffuse Acrylic Open Bottom Reflector

Lamp	LED
Lumens	26,598
Watts	200.5
Efficacy	132.5
Mounting	Pendant
Spacing Criterion (0-90)	1.13

ZONE	LUMENS	% FIXT.
0-30	9893	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



PHOTOMETRIC DATA: CRN-40MV-EDU-AL18 TEST NO. 18.01451

LUMINAIRE DATA

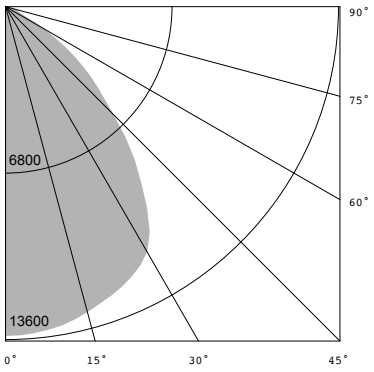
CRN-40MV-EDU-AL18

18" Diameter CRN High Bay with Clear Flat Glass Lens and Aluminum Open Bottom Reflector

Lamp	LED
Lumens	25,668
Watts	200.53
Efficacy	128
Mounting	Pendant
Spacing Criterion (0-90)	1.23

ZONE	LUMENS	% FIXT.
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



CRN - WET LOCATION HIGH BAY

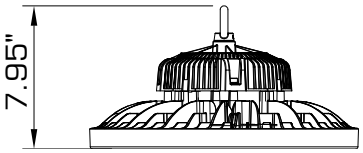
REFLECTORS

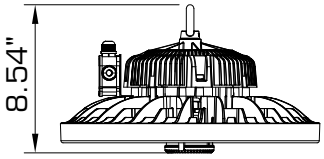
CLEAR ACRYLIC REFLECTOR

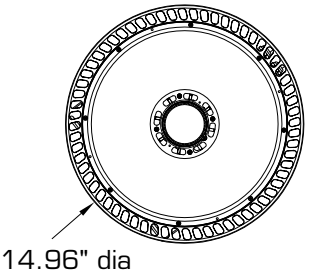
DIFFUSE ACRYLIC REFLECTOR

SPUN ALUMINUM REFLECTOR

DIMENSIONS







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