

Catalog Number:	Note:
Project Name:	Type:

INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLRHF Series

Round High Bay LED Luminaire



The CLRHF series is IP69K rated and can be used indoors or outdoors, as it protects against water, dust, and vapor.

Ideal for food processing factory, pharmaceutical factory, cosmetics, dust-free plant, winery, supermarket etc.



(Chain not included)

CONSTRUCTION

Excellent optical design, greatly improves the light utilization and evenness. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life.

ELECTRICAL

Luminaire is built with the highest quality 100-277VAC, 480V drivers.

OPTICAL SYSTEM

Designed to reduce glare and improve light distribution through precision formed lens optics.

MOUNTING

Suspended mounting.

ENERGY SAVINGS

Over 50% energy savings than traditionally fluorescent fixtures, low heat productions requires less maintenance and operation cost.

LISTING

ETL Listed, DLC Premium Listed, RoHS, NSF, IP69K

WARRANTY

5 year Limited Warranty

PART NO.	DELIVERED LUMENS	EFFICACY
CLRHF-150W	22,920 @ 5000K	up to 152 lm/W
CLRHF-200W	30,560 @ 5000K	up to 152 lm/W
CLRHF-240W	36,744 @ 5000K	up to 153 lm/W

TECHNICAL SPECIFICATION

CCT	5000K (3000K, 4000K special order required)
CRI	70/80
BEAM ANGLE	60°, 90°, 120°
VOLTAGE	100V-277V, 480V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.95
THD	≤20%
TEMPERATURE RATED	-40°F ~ 140°F
IP RATING	IP69K (High pressure/temperature water jets)
WARRANTY	5 year limited

ORDERING SAMPLE:

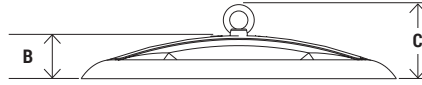
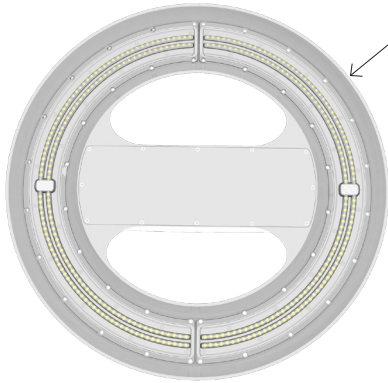
CLRHF Series	-	150W Wattage	-	50K CCT	-	90 Beam Angle
CLRHF Round High Bay Series For Food Processing		150W 200W 240W		50K - 5000K (3000K, 4000K special order required)		60 - 60° (Standard) 90 - 90° 120 - 120°
				BLANK - (100V-277V Standard) 480V - 480V		

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CLRHF SERIES

DIMENSIONS



CATALOG NUMBER	A	B	C
CLRHF-150W	15"	2.48"	4.45"
CLRHF-200W CLRHF-240W	19.68"	2.68"	4.65"

QTY/BOX

1

BEAM ANGLE

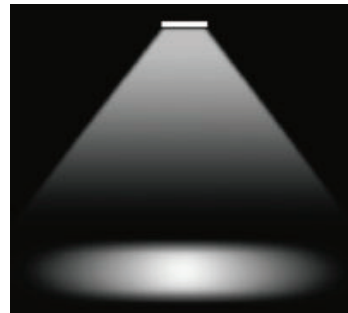
60°



90°



120°



MOUNTING



Suspended Mount
Comes with standard eye-hook.
(Chain not included)



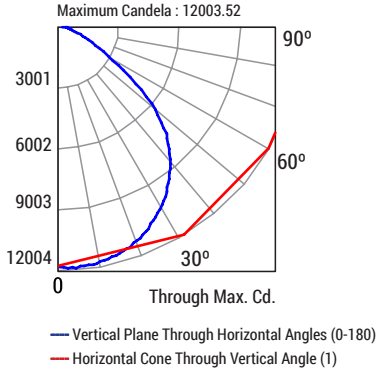
CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
CLRHF-150W-50K	150W	22,920	152 lm/W	S-RPJYDH	PREMIUM
CLRHF-200W-50K	200W	30,560	152 lm/W	S-Y2MRZS	PREMIUM
CLRHF-240W-50K	240W	36,744	153 lm/W	S-006BLE	PREMIUM

INDUSTRIAL AND HIGH-COMMERCIAL LIGHTING MANUFACTURER

CLRH SERIES

PHOTOMETRICS

CLRH *Wattage: 150W* *Delivered lumens: 24362* *Beam Angle: 90°* *Efficacy: 162 lm/W* *CCT: 5000K* *CRI: 80*

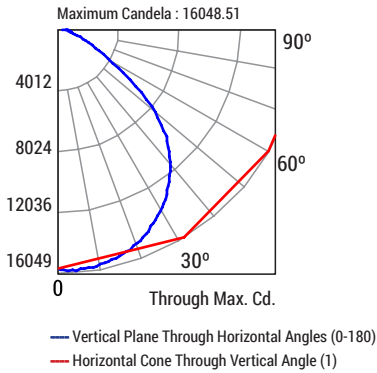


RCR	Coefficients of Utilization										
	20%										
	80%		70%				50%				
0	1	2	3	4	5	6	7	8	9	10	
0	119	119	119	119	116	116	116	116	111	111	111
1	111	108	104	101	109	105	102	100	101	99	97
2	103	97	91	87	101	95	90	86	92	87	84
3	96	87	80	75	93	86	79	74	83	77	73
4	89	79	71	65	87	77	70	65	75	69	64
5	82	71	63	58	80	70	63	57	68	62	57
6	77	65	57	51	75	64	56	51	62	56	51
7	71	59	51	46	70	58	51	46	57	50	45
8	67	54	47	41	65	54	46	41	52	46	41
9	62	50	43	38	61	50	42	37	48	42	37
10	59	46	39	34	57	46	39	34	45	39	34

CP Summary	0°		90°	
	0°	90°	0°	90°
0°	11924.140	11924.140		
5°	11951.920	11865.880		
15°	11538.020	11384.230		
25°	10619.150	10457.210		
35°	9216.528	9033.359		
45°	7094.377	6731.087		
55°	3377.310	2953.310		
65°	904.046	871.672		
75°	227.038	235.115		
85°	68.180	48.945		
90°	98.780	76.236		

Zonal Lumen Summary	Lumens		%Fixture
	0° - 20°	20° - 90°	
0° - 20°	4348.27	17.80	
0° - 30°	9181.48	37.70	
0° - 40°	14838.27	60.90	
0° - 60°	22895.3	94.00	
0° - 80°	24276.43	99.60	
0° - 90°	24362.77	100.00	

CLRH *Wattage: 200W* *Delivered lumens: 32573* *Beam Angle: 90°* *Efficacy: 163 lm/W* *CCT: 5000K* *CRI: 80*

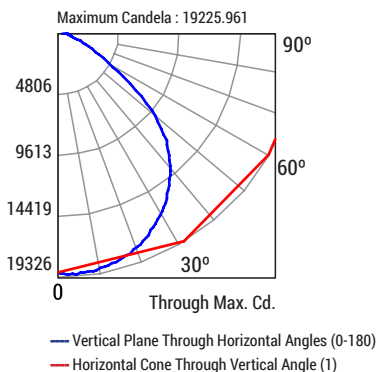


RCR	Coefficients of Utilization										
	20%										
	80%		70%				50%				
0	1	2	3	4	5	6	7	8	9	10	
0	119	119	119	119	116	116	116	116	111	111	111
1	111	108	104	101	109	105	102	100	101	99	97
2	103	97	91	87	101	95	90	86	92	87	84
3	96	87	80	75	93	86	79	74	83	77	73
4	89	79	71	65	87	77	70	65	75	69	64
5	82	71	63	58	80	70	63	57	68	62	57
6	77	65	57	51	75	64	56	51	62	56	51
7	71	59	51	46	70	58	51	46	57	50	45
8	67	54	47	41	65	54	46	41	52	46	41
9	62	50	43	38	61	50	42	37	48	42	37
10	59	46	39	34	57	46	39	34	45	39	34

CP Summary	0°		90°	
	0°	90°	0°	90°
0°	15942.380	15942.380		
5°	15979.520	15864.480		
15°	15426.140	15220.530		
25°	14197.620	13981.110		
35°	12326.360	12007.450		
45°	9845.053	8999.351		
55°	4515.407	3948.526		
65°	1208.694	1165.410		
75°	303.547	314.344		
85°	91.129	65.438		
90°	51.848	101.927		

Zonal Lumen Summary	Lumens		%Fixture
	0° - 20°	20° - 90°	
0° - 20°	5813.56	17.80	
0° - 30°	12275.48	37.70	
0° - 40°	19838.52	60.90	
0° - 60°	30610.63	94.00	
0° - 80°	32457.18	99.60	
0° - 90°	32572.62	100.00	

CLRH *Wattage: 240W* *Delivered lumens: 39022* *Beam Angle: 90°* *Efficacy: 162 lm/W* *CCT: 5000K* *CRI: 80*



RCR	Coefficients of Utilization										
	20%										
	80%		70%				50%				
0	1	2	3	4	5	6	7	8	9	10	
0	119	119	119	119	116	116	116	116	111	111	111
1	111	108	104	101	109	105	102	100	101	99	97
2	103	97	91	87	101	95	90	86	92	87	84
3	96	87	80	75	93	86	79	74	83	77	73
4	89	79	71	65	87	77	70	65	75	69	64
5	82	71	63	58	80	70	63	57	68	62	57
6	77	65	57	51	75	64	56	51	62	56	51
7	71	59	51	46	70	58	51	46	57	50	45
8	67	54	47	41	65	54	46	41	52	46	41
9	62	50	43	38	61	50	42	37	48	42	37
10	59	46	39	34	57	46	39	34	45	39	34

CP Summary	0°		90°	
	0°	90°	0°	90°
0°	19098.811	19098.811		
5°	19143.311	19005.490		
15°	18840.369	18234.039		
25°	17008.609	16749.230		
35°	14755.860	14468.670		
45°	11363.010	10781.140		
55°	5409.414	4730.296		
65°	1448.004	1396.150		
75°	363.646	376.681		
85°	109.172	78.394		
90°	62.113	122.107		

Zonal Lumen Summary	Lumens		%Fixture
	0° - 20°	20° - 90°	
0° - 20°	6964.59	17.80	
0° - 30°	14705.91	37.70	
0° - 40°	23766.36	60.90	
0° - 60°	36671.24	94.00	
0° - 80°	38883.38	99.60	
0° - 90°	39021.68	100.00	