



DRACO® SERIES (DRC)

- Decorative LED low to midbay in four standard outputs (3700-14200lm) and three standard CCTs (3000K, 4000K, 5000K)
- Acrylic refractors (12" and 16" diameters) and 12" aluminum reflector optics
- Symmetrical wide and narrow beam flood distributions
- Optional bottom glass trim ring suspended by decorative aluminum arms for an architectural look
- Integral 16W LiFePO4 battery option for 90 min emergency egress illumination (CEC Title 20)
- Standard 120-277V with 0-10VDC dimming
- Operating temperatures: HT @ -40° to 40°C; SA @ 10° to 40°C
- Includes hook for suspension mounting



DRC
Draco with 12"
Acrylic Refractor



DRCG SA
Draco SA with
Decorative Glass
Trim Ring and 12"
Acrylic Refractor



DRCG
Decorative Glass Trim
Ring with 16" Refractor

- APPLICATION:** The DRACO decorative LED highbay/ lowbay is ideal for retail, hospitality, open ceiling areas, loft style offices, restaurants and residential installations

ORDERING INFORMATION

EXAMPLE: DRC HT HO 5K AC12 S

MODEL	OPERATION	OUTPUT	COLOR TEMP	REFLECTOR/REFRACTOR ²	HOUSING FINISH	OPTIONS
DRC (std, no decorative trim)	HT (AC only)	VLO	3K (3000K)	AC12 (12" acrylic clear, std)	S (silver - standard)	HV (347-480V)
DRCG (DRC w/ glass trim)	SA ¹ (AC & EM)	LO	4K (4000K)	AC16 (16" acrylic clear, std)	CC (custom color)	PK ³ (pendant kit ready)
		MO	5K (5000K)	AL12 (12" aluminum)		
		HO				

CONTROLS & ACCESSORIES⁴

1CH48 (48" chain)	EMDCB ⁵ (wireless motion & lux sensor)	RSDC ⁵ (BT wireless room sensor)
1AC72HK (72" aircraft cable with hook attachment)	MLM1 ⁵ (wireless motion & lux sensor)	SW1 ⁵ (single BT wireless switch)
1PKxy38 ³ (single pendant, x = 12", 24", 48"; y=color (B,W))	RLY ⁵ (wireless relay, Beghelli)	
1SPKxy38 ³ (single swivel pendant, x = 12", 24", 48"; y=color (B,W))		

NOTE 1: 16W LiFePO4 integral emergency battery, 3000mAh, 9.6V, 32 hrs recharge time (lumen output in energy chart on last page)

NOTE 2: Clear refractor standard, consult factor for custom colors (MOQ may apply)

NOTE 3: Pendant/ stem mount requires PK option

NOTE 4: Hook mount is standard; **ALL OTHER MOUNTING ACCESSORIES MUST BE ORDERED SEPARATELY** (standard lengths offered, consult factory for custom lengths)

NOTE 5: Beghelli offers wireless and powerless control solutions, contact factory for more details

MECHANICAL: Extruded aluminum housing with powder coat paint in standard Bengal silver, custom finishes available, consult factory

ELECTRICAL: Powered by COB in 3000K, 4000K & 5000K CCTs; Standard driver operates 100V - 277V, optional 347V - 480V available; 50/60 Hz; Powerline/ feed attached to housing for all mountings; 82" black SJT 18/5 cord, may be field cut

OUTPUT: VLO: 3766-4740 lm @ 30W
LO: 6277-7900 lm @ 50W
MO: 8788-11059 lm @ 70W
HO: 11298-14220 lm @ 90W

WATTAGE: 30, 50, 70, 90W standard (programmable driver, consult factory for custom outputs)

DIMMING: 0-10V dimming down to 5% standard (compatible with most dimming systems)

BEAM DISTRIBUTIONS: 12" Acrylic refractor delivers wide flood beam angle; 16" acrylic refractor and 12" aluminum reflector deliver narrow flood beam distributions

REFRACTORS: Clear prismatic acrylic (AC) in 12" & 16" diameters

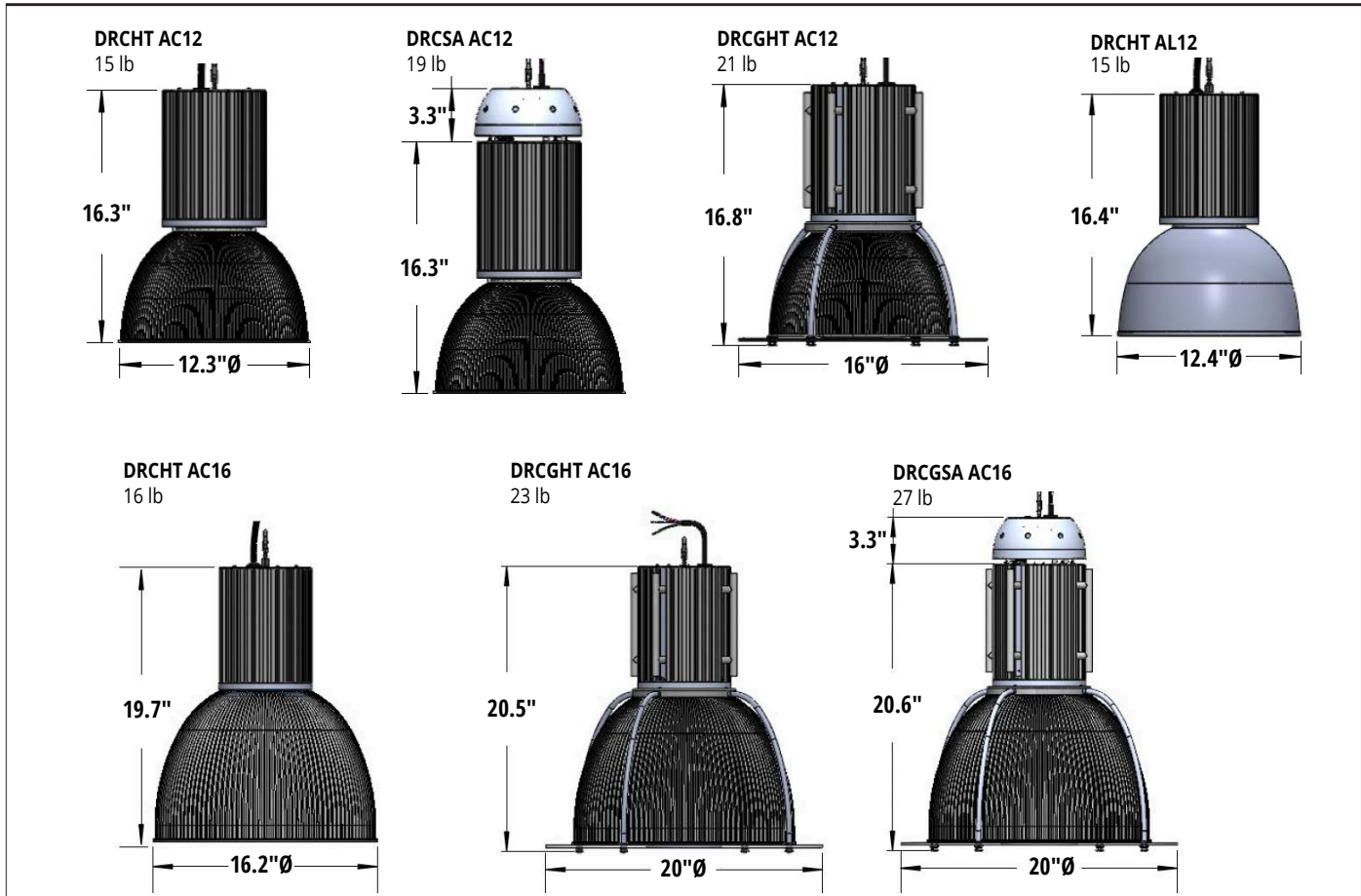
REFLECTOR: Spun aluminum (AL) in 12" diameter

DRCG GLASS TRIM: 3/16" tempered opaque glass diffusing ring with open center, suspended by four (4) formed satin finish aluminum support arms

MOUNTING: Fixture hook is provided standard for suspension mounting; All other mounting accessories must be ordered separately:

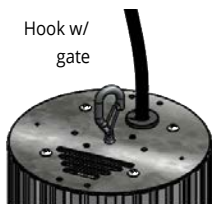
- 72" Fully adjustable aircraft cable (1AC72HK) with carabiner clip to attach to fixture hook - comes complete with a 1/4" deep, nominal 5" diameter white canopy (note: longer lengths available and require longer fixture cord, contact factory)
- Chain mount (1CH48) is std 48" length, field-cuttable
- Fixed and Swivel pendant mount kits are available in standard 12", 24" and 48" lengths and include a 3/8" IP single stem and canopy - Note: pendant kits require PK fixture option

DIMENSIONS



MOUNTING

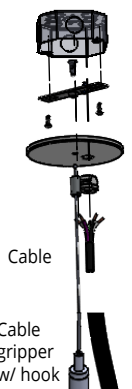
Suspension Mount
Hook
(STANDARD)



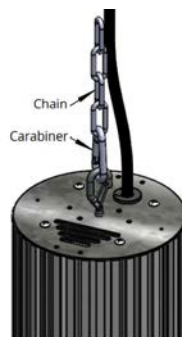
MOUNTING ACCESSORIES

Aircraft Cable Kit
(1AC72HK)

Flat Canopy



Chain Kit
(1CH48)



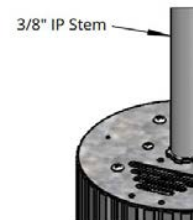
Pendant Kit
(1PKxy38*)

Flat Canopy



Swivel Pendant Kit
(1SPKxy38*)

Swivel Canopy



*x= std stem length (12", 24", 48"); y= finish (B for black, W for white)

PHOTOMETRICS

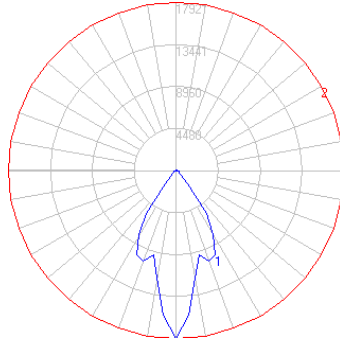
DRCHTHO4KAC12

Characteristics

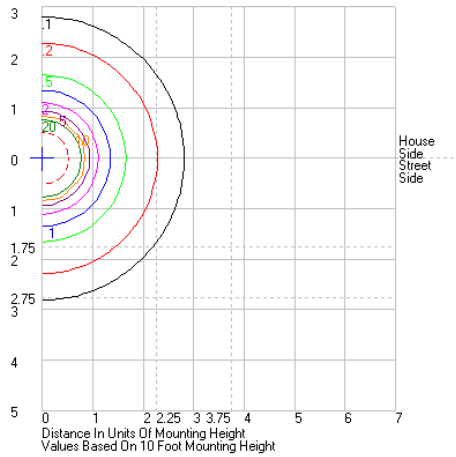
Electronic driver
LED 4000°K
Lumens Per Lamp N.A. (absolute)
Total Lamp Lumens N.A. (absolute)

Luminaire Lumens 14144
Total Luminaire Efficiency N.A.
Luminaire Efficacy Rating (LER) 157
Total Luminaire Watts Ballast 90
Factor 1.00
CIE Type Direct

POLAR CURVES



ISOLINES



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4231	N.A.	29.90
0-30	8612	N.A.	60.90
0-40	11860	N.A.	83.90
0-60	12988	N.A.	91.80
0-80	13511	N.A.	95.50
0-90	13641	N.A.	96.40
10-90	12267	N.A.	86.70
20-40	7628	N.A.	53.90
20-50	8367	N.A.	59.20
40-70	1440	N.A.	10.20
60-80	522	N.A.	3.70
70-80	210	N.A.	1.50
80-90	130	N.A.	0.90
90-110	134	N.A.	0.90
90-120	205	N.A.	1.50
90-130	287	N.A.	2.00
90-150	429	N.A.	3.00
90-180	503	N.A.	3.60
110-180	370	N.A.	2.60
0-180	14144	N.A.	100.00

Total Luminaire Efficiency = N.A.%

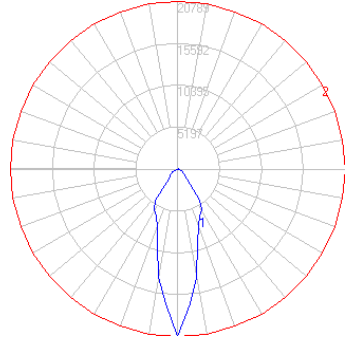
DRCHTHO4KAC16

Characteristics

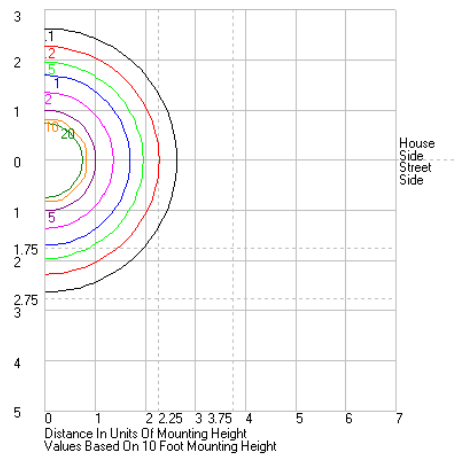
Electronic driver
LED 4000°K
Lumens Per Lamp N.A. (absolute)
Total Lamp Lumens N.A. (absolute)

Luminaire Lumens 12871
Total Luminaire Efficiency N.A.
Luminaire Efficacy Rating (LER) 143
Total Luminaire Watts Ballast 90
Factor 1.00
CIE Type Direct

POLAR CURVES



ISOLINES



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4330	N.A.	33.60
0-30	7346	N.A.	57.10
0-40	9997	N.A.	77.70
0-60	11924	N.A.	92.60
0-80	12518	N.A.	97.30
0-90	12565	N.A.	97.60
10-90	11025	N.A.	85.70
20-40	5667	N.A.	44.00
20-50	6781	N.A.	52.70
40-70	2331	N.A.	18.10
60-80	593	N.A.	4.60
70-80	190	N.A.	1.50
80-90	47	N.A.	0.40
90-110	66	N.A.	0.50
90-120	115	N.A.	0.90
90-130	158	N.A.	1.20
90-150	237	N.A.	1.80
90-180	307	N.A.	2.40
110-180	241	N.A.	1.90
0-180	12871	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ELECTRICAL RATING

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A)		FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		AC VOLTAGE				
		120V	277V			
DRCHTVLO	30	0.26	0.11	50/60	50	500
DRCHTLO	50	0.43	0.18	50/60	50	850
DRCHTMO	70	0.60	0.26	50/60	50	1200
DRCHTHO	90	0.77	0.33	50/60	50	1600

ENERGY CHART

MODEL	POWER	CCT (°K)	LUMENS	EFFICACY	CRI	BEAM ANGLE	HORIZONTAL BEAM ANGLE	L70 REPORTED	DRCSA EM LUMENS
DRCHTVLO3KAC12	30W	3000	4380	146	> 80	WIDE FLOOD	54.7	> 55,000 HRS	2336
DRCHTVLO4KAC12		4000	4715	157	> 80	WIDE FLOOD	55.1	> 55,000 HRS	2512
DRCHTVLO5KAC12		5000	4740	158	> 80	WIDE FLOOD	55.2	> 55,000 HRS	2528
DRCHTLO3KAC12	50W	3000	7300	146	> 80	WIDE FLOOD	55.0	> 55,000 HRS	2336
DRCHTLO4KAC12		4000	7857	157	> 80	WIDE FLOOD	55.1	> 55,000 HRS	2512
DRCHTLO5KAC12		5000	7900	158	> 80	WIDE FLOOD	55.2	> 55,000 HRS	2528
DRCHTMO3KAC12	70W	3000	10221	146	> 80	WIDE FLOOD	54.9	> 55,000 HRS	2336
DRCHTMO4KAC12		4000	11001	157	> 80	WIDE FLOOD	54.8	> 55,000 HRS	2512
DRCHTMO5KAC12		5000	11059	158	> 80	WIDE FLOOD	55.2	> 55,000 HRS	2528
DRCHTHO3KAC12	90W	3000	13143	146	> 80	WIDE FLOOD	54.8	> 55,000 HRS	2336
DRCHTHO4KAC12		4000	14144	157	> 80	WIDE FLOOD	54.9	> 55,000 HRS	2512
DRCHTHO5KAC12		5000	14220	158	> 80	WIDE FLOOD	55.1	> 55,000 HRS	2528
DRCHTVLO3KAC16	30W	3000	3986	133	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2128
DRCHTVLO4KAC16		4000	4290	143	> 80	NARROW FLOOD	28.1	> 55,000 HRS	2288
DRCHTVLO5KAC16		5000	4314	144	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2304
DRCHTLO3KAC16	50W	3000	6644	133	> 80	NARROW FLOOD	28.0	> 55,000 HRS	2128
DRCHTLO4KAC16		4000	7152	143	> 80	NARROW FLOOD	27.8	> 55,000 HRS	2288
DRCHTLO5KAC16		5000	7190	144	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2304
DRCHTMO3KAC16	70W	3000	9300	133	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2128
DRCHTMO4KAC16		4000	10013	143	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2288
DRCHTMO5KAC16		5000	10066	144	> 80	NARROW FLOOD	28.0	> 55,000 HRS	2304
DRCHTHO3KAC16	90W	3000	11955	133	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2128
DRCHTHO4KAC16		4000	12871	143	> 80	NARROW FLOOD	28.0	> 55,000 HRS	2288
DRCHTHO5KAC16		5000	12942	144	> 80	NARROW FLOOD	27.9	> 55,000 HRS	2304
DRCHTVLO3KAL12	30W	3000	3766	126	> 80	NARROW FLOOD	28.8	> 55,000 HRS	2016
DRCHTVLO3KAL12		4000	4054	135	> 80	NARROW FLOOD	28.8	> 55,000 HRS	2160
DRCHTVLO3KAL12		5000	4076	136	> 80	NARROW FLOOD	29.0	> 55,000 HRS	2176
DRCHTLO3KAL12	50W	3000	6277	126	> 80	NARROW FLOOD	28.7	> 55,000 HRS	2016
DRCHTLO4KAL12		4000	6757	135	> 80	NARROW FLOOD	28.7	> 55,000 HRS	2160
DRCHTLO5KAL12		5000	6794	136	> 80	NARROW FLOOD	28.8	> 55,000 HRS	2176
DRCHTMO3KAL12	70W	3000	8788	126	> 80	NARROW FLOOD	28.9	> 55,000 HRS	2016
DRCHTMO4KAL12		4000	9460	135	> 80	NARROW FLOOD	28.9	> 55,000 HRS	2160
DRCHTMO5KAL12		5000	9510	136	> 80	NARROW FLOOD	28.9	> 55,000 HRS	2176
DRCHTHO3KAL12	90W	3000	11298	126	> 80	NARROW FLOOD	29.1	> 55,000 HRS	2016
DRCHTHO4KAL12		4000	12162	135	> 80	NARROW FLOOD	29.1	> 55,000 HRS	2160
DRCHTHO5KAL12		5000	12230	136	> 80	NARROW FLOOD	28.9	> 55,000 HRS	2176

■ **WARRANTY:** 5 year warranty, see website for full warranty details