

DOB-CH (DRIVER ON BOARD) Series

Product Description:

The **DOB-CH** (Driver on Board-Cobra Head) series utilizes innovative **Driver on Board** technology in a roadway luminaire. By providing the benefits of the latest in Driver technology, the DOB-CH has become one of the most efficient and reliable roadway luminaires in the market. The improved design eliminates some of the parts and much of the weight of traditional roadway luminaires making installation much easier. Less parts means less production cost, which results in better pricing and lower quotes. The DOB-CH Series is the better alternative for traditional roadway and area lighting, providing quick payback and improved performance.



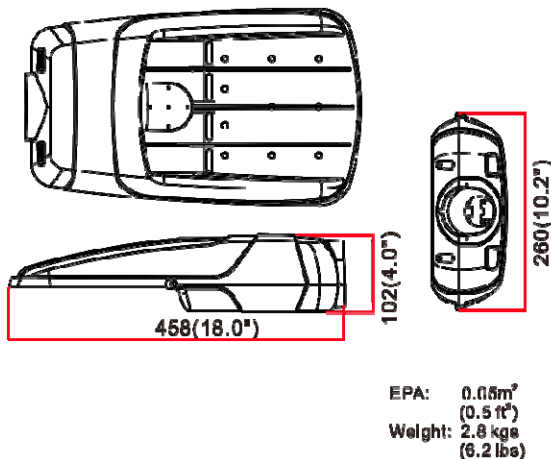
Specifications:

- **Operating Voltage:** 120V, 240V, 277V
- **Power Factor:** > 0.99 at full load
- **Total Harmonic Distortion:** < 15% at full load
- **CRI:** >70
- **CCT:** 2700K - 5700K
- **Surge Protection:** Integral 10kV surge suppression protection standard. Tested in accordance with ANSI C62.41.2
- **UL listed, suitable for wet locations**
- **Vibration:** Certified to ANSI C136.31-2001 3G vibration standards.
- **Finish:** An ultra-durable powder coat finish provides excellent resistance to corrosion, ultraviolet degradation and abrasion. Tested in accordance with ASTM Standard B 117 (3,000 hour salt fog spray test).
- **RoHS** compliant
- **Mounting:** Slipfitter (fits 1.66" or 2.38" O.D. tenon). Leveling adjustment in 5° increments.
- **Dimming:** 0-10V dimming capabilities, controls by others.
- **Warranty:** 5 year standard warranty on components (100,000 hours)
- **Operating Temperature:** -40°F ~ 140°F
- **LED Source:** SSC, IP66 rated.
- **Housing Material:** Die cast aluminum with tool-less entry, IP65 rated.

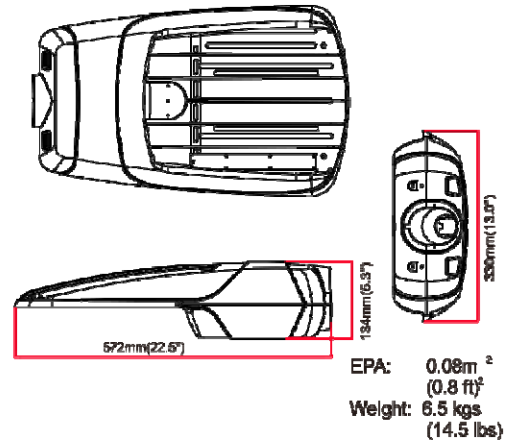


Dimensions:

25W ~ 100W



120W ~ 200W



Lumen Chart:

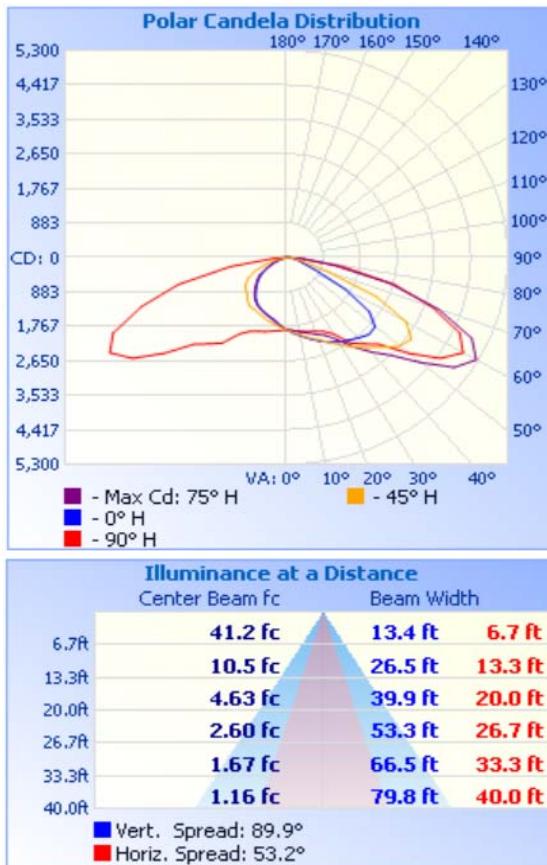
Model-Watts	Current	EPA	Beam Angle	2700K					3000K					3500K				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
DOB-CH-25W	75 mA	0.5 ft ²	T2	3,033	121	1	0	1	3,193	127	1	0	1	3,257	130	1	0	1
			T3	3,068	122	1	0	1	3,229	129	1	0	1	3,294	131	1	0	1
			T4	3,136	125	1	0	1	3,301	132	1	0	1	3,367	134	1	0	1
			T5	3,129	125	2	0	1	3,294	131	2	0	1	3,360	134	2	0	1
DOB-CH-50W	150 mA	0.5 ft ²	T2	5,635	112	2	0	2	5,647	112	2	0	2	5,761	115	2	0	2
			T3	5,426	108	1	0	1	5,711	114	1	0	1	5,825	116	1	0	1
			T4	5,534	110	2	0	2	5,826	116	2	0	2	5,942	118	2	0	2
			T5	5,534	110	3	0	1	5,826	116	3	0	1	5,942	118	3	0	1
DOB-CH-75W	120 mA	0.5 ft ²	T2	8,503	113	2	0	2	8,950	119	2	0	2	9,129	121	2	0	2
			T3	8,598	114	2	0	2	9,051	120	2	0	2	9,232	123	2	0	2
			T4	8,701	116	2	0	2	9,159	122	2	0	2	9,343	124	2	0	2
			T5	8,681	115	3	0	1	9,138	121	3	0	1	9,321	124	3	0	1
DOB-CH-100W	150 mA	0.5 ft ²	T2	9,927	99	3	0	3	10,450	104	3	0	3	10,658	106	3	0	3
			T3	10,038	100	2	0	2	10,507	105	2	0	2	10,778	107	2	0	2
			T4	10,264	102	2	0	2	10,804	108	2	0	2	11,020	110	2	0	2
			T5	10,240	102	3	0	1	10,779	107	3	0	1	10,995	109	3	0	1
DOB-CH-120W	100 mA	0.8 ft ²	T2	13,507	112	3	0	3	14,217	118	3	0	3	14,503	120	3	0	3
			T3	13,651	113	2	0	2	14,370	119	2	0	2	14,657	122	2	0	2
			T4	13,597	113	2	0	2	14,692	122	2	0	2	14,986	124	2	0	2
			T5	13,925	116	4	0	2	14,658	122	4	0	2	14,951	124	4	0	2
DOB-CH-150W	120 mA	0.8 ft ²	T2	15,836	105	3	0	3	16,668	111	3	0	3	17,003	113	3	0	3
			T3	16,004	106	2	0	2	16,847	112	2	0	2	17,184	114	2	0	2
			T4	16,364	109	2	0	2	17,225	114	2	0	2	17,570	117	2	0	2
			T5	16,326	108	4	0	2	17,185	114	4	0	2	17,529	116	4	0	2
DOB-CH-200W	150 mA	0.8 ft ²	T2	19,313	96	4	0	4	20,328	101	4	0	4	20,737	103	4	0	4
			T3	19,519	97	3	0	3	20,546	102	3	0	3	20,957	104	3	0	3
			T4	19,957	99	3	0	3	21,007	105	3	0	3	21,428	107	3	0	3
			T5	19,911	99	4	0	2	20,959	104	4	0	2	21,378	106	4	0	2

Model-Watts	LED Current	EPA	Beam Angle	4000K					5000K					5700K				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
DOB-CH-25W	75 mA	0.5 ft ²	T2	3,468	138	1	0	1	3,517	140	1	0	1	3,551	142	1	0	1
			T3	3,507	140	1	0	1	3,556	142	1	0	1	3,591	143	1	0	1
			T4	3,356	134	1	0	1	3,636	145	1	0	1	3,672	146	1	0	1
			T5	3,564	142	2	0	1	3,627	145	2	0	1	3,663	146	2	0	1
DOB-CH-50W	150 mA	0.5 ft ²	T2	6,134	122	2	0	2	6,220	124	2	0	2	6,281	125	2	0	2
			T3	6,204	124	1	0	1	6,290	125	1	0	1	6,352	127	1	0	1
			T4	5,936	118	2	0	2	6,416	128	2	0	2	6,479	129	2	0	2
			T5	6,304	126	3	0	1	6,416	128	3	0	1	6,479	129	3	0	1
DOB-CH-75W	120 mA	0.5 ft ²	T2	9,721	129	2	0	2	9,857	131	2	0	2	9,954	132	2	0	2
			T3	9,830	131	2	0	2	9,968	132	2	0	2	10,066	134	2	0	2
			T4	9,406	125	2	0	2	10,088	134	2	0	2	10,187	135	2	0	2
			T5	9,990	133	3	0	1	10,064	134	3	0	1	10,164	135	3	0	1
DOB-CH-100W	150 mA	0.5 ft ²	T2	11,348	113	3	0	3	11,508	115	3	0	3	11,621	116	3	0	3
			T3	11,478	114	2	0	2	11,638	116	2	0	2	11,752	117	2	0	2
			T4	10,982	109	2	0	2	11,899	118	2	0	2	12,016	120	2	0	2
			T5	11,662	116	3	0	1	11,871	118	3	0	1	11,988	119	3	0	1
DOB-CH-120W	100 mA	0.8 ft ²	T2	15,441	128	3	0	3	15,659	130	3	0	3	15,814	131	3	0	3
			T3	15,608	130	2	0	2	15,826	131	2	0	2	15,982	133	2	0	2
			T4	15,960	133	2	0	2	16,181	134	2	0	2	16,340	136	2	0	2
			T5	15,919	132	4	0	2	16,143	134	4	0	2	16,032	133	4	0	2
DOB-CH-150W	120 mA	0.8 ft ²	T2	18,103	120	3	0	3	18,358	122	3	0	3	18,540	123	3	0	3
			T3	18,298	121	2	0	2	18,554	123	2	0	2	18,737	124	2	0	2
			T4	18,713	124	2	0	2	18,971	126	2	0	2	19,158	127	2	0	2
			T5	18,664	124	4	0	2	18,297	121	4	0	2	19,113	127	4	0	2
DOB-CH-200W	150 mA	0.8 ft ²	T2	22,079	110	4	0	4	22,390	111	4	0	4	22,611	113	4	0	4
			T3	22,316	111	3	0	3	22,628	113	3	0	3	22,852	114	3	0	3
			T4	22,822	114	3	0	3	23,136	115	3	0	3	23,364	116	3	0	3
			T5	22,763	113	4	0	2	23,083	115	4	0	2	23,310	116	4	0	3

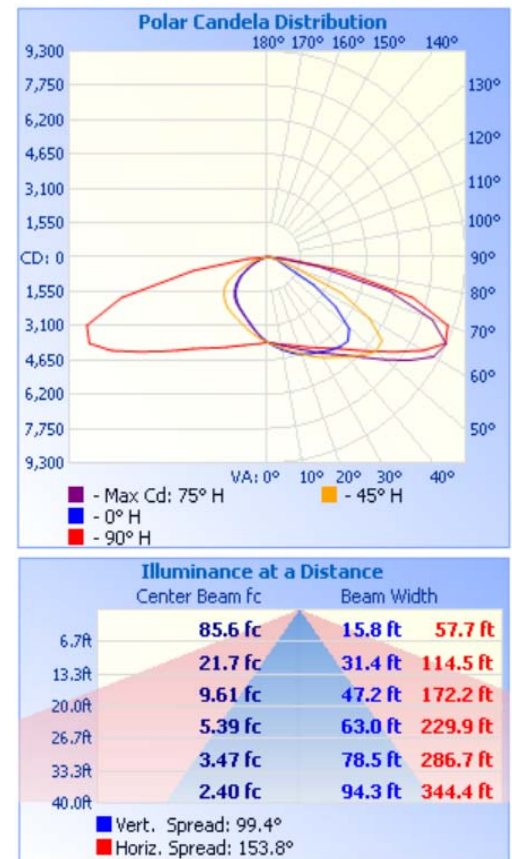
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is representative of the configuration shown above and actual performance may differ as a result of end user environment and application.

Photometrics:

DOB-CH-100W-30K-T2

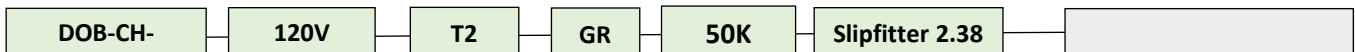


DOB-CH-200W-30K-T2



To view complete photometric reports or download IES files - please visit our website www.AllGreenLightingInc.com

Ordering Guide:



Wattage:

25W
50W
75W
100W
120W
150W
200W

Voltage:

120V
240V
277V

Beam Angle:

T2: Type II
T3: Type III
T4: Type IV
T5: Type V

Color:

GR: Grey
BL: Black
BR: Bronze

CCT:

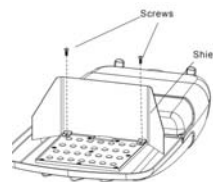
2700K
3000K
3500K
4000K
5000K
5700K

Mount:

Slipfitter 2.38" OD
or
Slipfitter 1.66" OD

Optional Accessories:

NPCR: No Photocontrol
3PCR: ANSI 3 Pin Photocontrol Receptacle
5PCR: ANSI 5 Pin Photocontrol Receptacle
7PCR: ANSI 7 Pin Photocontrol Receptacle
SC: Shorting Cap
10kV: 10kV SPD
20kV: 20kV SPD
DM: 0-10V dimming, controls by others
HSS: House Side Shield



Files, test reports, and certifications are available upon request:

(IES files, photometric layouts, LM-79 reports, TM-21 reports, LM-80 reports, ANSI C-136 3G Vibration, Test, ASTM B117 3,000 hour salt fog spray test, Ingress Protection certification, UL certifications, etc.)