application

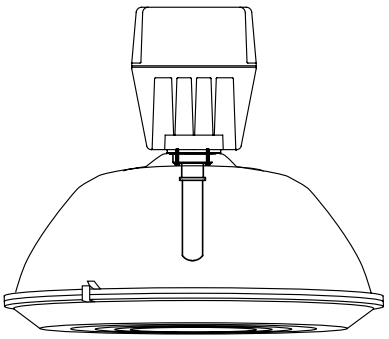
- An energy efficient solution for low bay applications.

construction and features

- 3/4" threaded cast aluminum nut and hub for easy, positive mounting.
- Heavy wall, two piece die cast aluminum housing with white polyester powder finish.
- Precision spun heavy gauge aluminum reflector coated inside and out with highly reflective (90-92%) white polyester powder finish.
- One piece injection molded 100% virgin acrylic lens hinged and latched to the reflector for ease of installation and maintenance.
- Large wiring access with captive retainer screw.

electrical

- UL 1598 Listed suitable for damp location and 50°C ambient for 315W, 55°C ambient for 210W.
- Philips Electronic Ballast.
- "O" Rated Philips Master Color Elite CDM Lamp with 90 CRI.



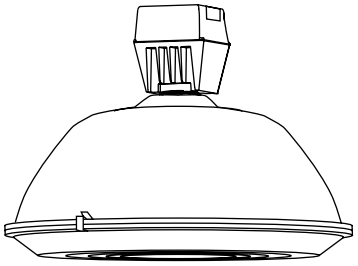
LB-11045

rev. 1, 8/1/2011

Low Bay

LBC

210-315 watt Pulse Start Ceramic Metal Halide



Specifier's Reference

Project
Type
Model No.
Comments

Green Choice: LBC210P2T-WEB-ADV-OR LR28

LBC | Wattage | P | Voltage | – WEB-ADV | – OR | Options (add as suffix) | Optical Assembly

Family
LBC

Wattage
210 – 210
315 – 315

Lamp Source
P – Pulse Start Ceramic Metal Halide

Voltage
12 – 120
2T – 208/240/277
34 – 347
48 – 480

Ballast Options
WEB-ADV – Electronic Ballast

Options (add as suffix)
CUL – UL Listing to meet CSA standards
Q – Quartz Standby
QTD – Quartz Time Delay
WDF – Wired Double Fuse[45]
WSF – Wired Single Fuse[46]
OR – Exclusionary Socket Required

Optical Assembly
LR28 – Acrylic Lens 28"
LR28P – Polycarbonate Lens 28"

energy data

"2T" Input Watts
210 Watts–229 Watts
315 Watts–343 Watts

Note: For 120V add 15 Watts. For 347V and 480V add 10 Watts.

Accessories (Order Separately)

CH – Cover Half for Power Hook (use with PB)
PB – Power Box for Power Hook (use with CH)
HP12 – Hook, Cord-Plug Assembly 120V
HP25 – Hook-Cord-Plug Assembly 208-240V
HP27 – Hook-Cord-Plug Assembly 277V
HP48 – Hook, Cord-Plug Assembly 480V
HMR – Suspension Hook Male
LMR – Suspension Loop Male
SCB3 – Ballast Retainer Chain 3'
SCR2 – Safety Chain Reflector 2'

(Refer to Section 18000 for additional accessories.)

Footnotes

[45]Use with 208, 240 and 480 volt.
[46]Use with 120, 277, and 347 volt.

General Notes

All accessories are field installed.
All options factory installed.

Warning

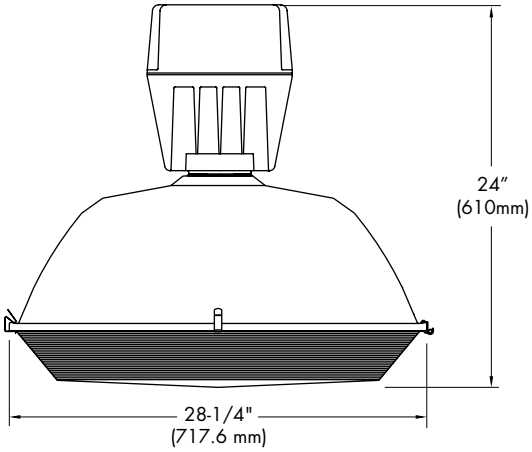
Refer to and follow the lamp manufacturer's warnings and instructions.

PHILIPS
Day-Brite

LB-11045 rev. 1, 8/1/2011

LBC

dimensions



photometry

210-315 watt Pulse Start Ceramic Metal Halide

Efficiency – 81.3% **LER – 85.6** **TER – 64**

Catalog No.	LBC315P2T-LR28
Test No.	29179
Wide Spread S/MH	1.8
Lamp Type	315WCMH
Lumens/Lamp	37800
Ballast Factor	1.0
Input Watts	344

Comparative yearly lighting energy cost per 1000 lumens – **$3.75** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Candlepower

Angle	Avg. Candela
0	6244
5	6017
15	5815
25	6076
35	6669
45	7686
55	6683
65	3703
75	1906
85	930
95	600
105	321
115	261
125	251
135	18
145	7
155	7
165	8
175	8

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
(0-30)	5047	13.9	17.1
(0-40)	9277	25.6	31.5
(0-60)	21098	58.3	71.7
(0-90)	27929	77.2	94.9
(90-120)	1273	3.5	4.3
(90-130)	1476	4.1	5.0
(90-150)	1506	4.2	5.1
(90-180)	1512	4.2	5.1
(0-180)	29441	81.3	100.0

Average Luminance

Angle	End	45°	Cross
45	22879	22782	22480
55	22938	22252	22901
65	15213	15454	15317
75	10301	10693	10538
85	7863	8105	8174

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceil	80				70				50			30			10		
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	96	96	96	96	93	93	93	93	88	88	88	83	83	83	79	79	79
1	86	82	78	75	84	80	76	73	76	73	70	72	69	67	68	66	64
2	78	71	65	59	75	69	63	58	65	60	56	62	58	54	59	55	53
3	70	61	54	48	68	59	53	47	56	51	46	54	49	45	51	47	43
4	64	53	46	40	62	52	45	39	49	43	38	47	42	37	45	40	36
5	58	47	39	33	56	46	38	33	44	37	32	41	36	31	39	35	31
6	53	42	34	28	51	41	33	28	39	32	27	37	31	27	35	30	26
7	49	37	30	24	47	36	29	24	35	28	24	33	28	23	32	27	23
8	45	34	26	21	44	33	26	21	31	25	21	30	24	20	29	24	20
9	42	31	24	19	41	30	23	19	29	23	18	27	22	18	26	21	18
10	39	28	21	17	38	27	21	17	26	20	16	25	20	16	24	19	16

776 South Green Street • Tupelo, MS 38804
p. 800.234.1890 • f. 662.841.5501 • www.daybrite.com
Canadian Division
189 Bullock Drive • Markham, Ontario L3P 1W4
p. 905.294.9570 • f. 905.294.9811

Contact Factory for Additional Configurations.
Specifications are subject to change without notice.
Consult website for latest version of this spec sheet.

Hg

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org