



DURA BAY LINEAR SERIES

Version 2.1
July 2017

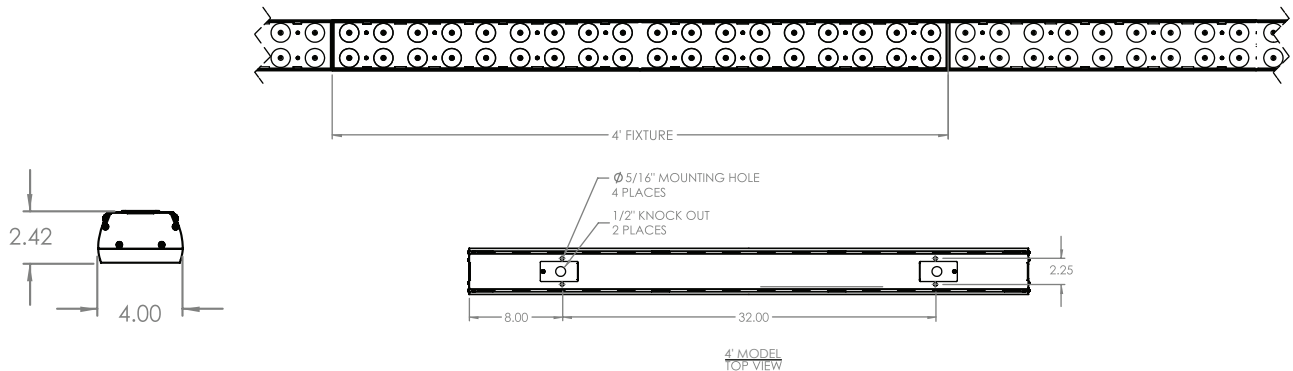




Dura Bay Linear Series provides a high-efficacy LED lighting fixture for low bay and high bay applications. This low-profile linear fixture provides 4' fixture length with both an energy saver and high efficiency wattage model for commercial and industrial lighting configurations from 4,500 to 9,000 lumens. Two optical options meet different mounting heights as well as vertical and horizontal foot-candle requirements. Built for superior light quality and performance, and unlimited end to end fixture run lengths, Dura Bay Linear Series is a solid choice for warehouses, tall aisles, stairwalls, manufacturing lines and retail applications.



DURA BAY LINEAR SERIES - STANDARD CONFIGURATIONS WITH 60° OR 120° OPTICS CONFIGURATIONS



FEATURES & SPECIFICATIONS

POWER AND CONTROL

- **POWER INPUT:** 120-277V, 347V (50/60Hz)
- **DIMMING:** 0-10V dimming standard
- **OCCUPANCY SENSORS:** Optional factory installed occupancy sensors are available. See accessories ordering information
- **EMERGENCY BATTERY BACK-UP:** For 120-277V fixtures only, optional factory installed battery back-ups are available. Back-ups installed on the side of the lighting module and provide 90 minutes of lighting.

LUMEN MAINTENANCE

- **L70 LIFE:** 90% lumen maintenance at 70,000 hours (77°F/ 25°C ambient); L70 predicted life is more than 200,000 hours

LISTING AND CERTIFICATIONS

- UL | cUL listed for safety (UL 1598)
- UL | cUL dry/damp location listed
- RoHS Compliant
- FCC Class B
- Lighting Facts (U.S. Department of Energy) Certified
- DesignLights™ Consortium Approved

FIXTURE

- **ENVIRONMENT:** Dry/Damp. For interior applications.
- **HEAT SINKS:** Extruded aluminum heat sinks provide superior thermal management, the power supply additionally leverages the heat sink for long life and enhanced performance.
- **WIRING ACCESS:** Removable cover with 1/2" NPT ready access hole. One captive screw to reinstall plate.
- **MOUNTING:** Cable and surface mount. Pendant mount contact factory.
- **Continuous Run Mounting Capabilities:** The DuraComm Linear is easily installed in continuous runs up to 80'. The linear run alignment kit must be purchased separately for proper installation and alignment. Contact factory for pricing and layout design.
- **LENSES:** Standard UV stable clear acrylic or optional clear/frosted poly carbonate for severe impact applications.
- **WARRANTY:** Limited 5-year warranty.
- **AMBIENT OPERATING TEMPERATURES:**
Cable and Pendant Mounted Fixtures -40° to 140°F (-40°C to 60°C).
Fixtures with Emergency Battery Back-ups and Surface Mounted Fixtures -31° to 122°F (-35° to 50°C)

TOTAL HARMONIC DISTORTION

120V	6.5%
277V	11.9%
347V	10.3%

POWER FACTOR

120V	0.997
277V	0.952
347V	0.988

Commercial Industrial LED Solutions

Dura Bay Linear Series - Low/High Bay

SPECIFICATION SHEET

VERSION 2.1

ORDERING EXAMPLE:

DBL-4-5K-120-CA-120-60-CRM-10V-OCCN-CORDN-EMBN

DBL					
SERIES	CONFIGURATION	COLOR TEMP	DISTRIBUTION	LENS	VOLTAGE
DBL Dura Bay Linear Series	4 4' fixture	35K 3500 Kelvin 4K 4000 Kelvin 5K 5000 Kelvin	60 60 Degree Optics 120 120 Degree Optics	CA Clear acrylic lens (Standard) CP Clear polycarbonate lens DP Diffused polycarbonate lens	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V
WATTAGE	MOUNTING	10V DIMMING	OCC SENSORS	CORD & PLUG	BATTERY BACK-UP
40 4' (See fixture performance) 60 4' (See fixture performance) <small>Note - The 60W(4') deliver the same fixture performance per foot. The 40W(4') should be utilized independent of the 25W & 60W</small>	CRM Fixture is cable-ready (*Ordered & Packaged Separately) MBR Kit includes bracket for surface mounting. Attaches to fixture frame for surface mounting. (*Ordered & Packaged Separately) PEN Contact Factory (*Ordered & Packaged Separately)	10V 0-10V Interface (Standard)	OCCN No OCC Sensor OCC20¹ 20' Mounting Heights OCC40¹ 40' Mounting Heights OCCDIM20¹ 20' Mounting Heights OCCDIM40¹ 40' Mounting Heights <small>Note - Dimmable OCC only available for 120-277V and require OCCDIMPROG for setup (See Accessories)</small>	CORDN No cord. No plug C6W¹ 6ft cord, 15A, no plug C15W¹ 15ft cord, 15A, no plug C515¹ 6ft cord, 15A, straight plug 120V (5-15P) CL515¹ 6ft cord, 15A, locking plug 120V (L5-15P) CL715¹ 6ft cord, 15A, locking plug 277V (L7-15P) CL720¹ 6ft cord, 20A, locking plug 277V (L7-20P) CL2420¹ 6ft cord, 20A, locking plug 347V (L24-20P) CL820¹ 6ft cord, 20A, locking plug 480V (L8-20P)	EMBN No emergency battery back-up EMB¹ Contact factory for pricing <small>Note - EMB only available for 120-277V</small>

¹=Non-Standard selection or optional accessory. See price list for details.

OPTIONAL ACCESSORIES: Ordered & Packaged Separately

Type	Part Number	Description
WIRELESS PROGRAMMER FOR DIMMABLE OCCUPANCY SENSOR(S)	OCCDIMPROG	Handheld wireless programmer required to setup 120-277V dimmable occupancy sensor(s).
CABLE KIT	CABLEKIT	kit includes 10ft Grip Rite aircraft cable and "Y" toggle hook (one pair).
CABLE KIT	SAFETYCABLE	Kit includes 5 ft Grip Rite aircraft cable with single toggle hook.
Surface Mount Kit	MBR	Surface mount bracket kit shipped separate.
Linear Run Alignment Kit	ALIGN	Mounting kit for fixture to fixture alignment.

FIXTURE PERFORMANCE

4' 120 Degree Light Distribution + 3500 Kelvin LED Color + Clear Lens 40W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-35K-120-CA-120-40	46	5,549	123	82	10

4' 60 Degree Light Distribution + 4000 Kelvin LED Color + Clear Lens 40W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-4K-60-CA-120-40	46	5,014	108	73	10

4' 60 Degree Light Distribution + 5000 Kelvin LED Color + Clear Lens 40W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-5K-60-CA-120-40	46	5,164	112	73	10

4' 120 Degree Light Distribution + 4000 Kelvin LED Color + Clear Lens 40W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-4K-120-CA-120-40	46	6,734	146	73	10

4' 120 Degree Light Distribution + 5000 Kelvin LED Color + Clear Lens 40W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-5K-120-CA-120-40	46	6,936	150	73	10

4' 60 Degree Light Distribution + 4000 Kelvin LED Color + Clear Lens 60W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-4K-60-CA-120-60	67	6,828	102	73	10

4' 60 Degree Light Distribution + 5000 Kelvin LED Color + Clear Lens 60W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-5K-60-CA-120-60	67	7,033	105	73	10

4' 120 Degree Light Distribution + 4000 Kelvin LED Color + Clear Lens 60W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-4K-120-CA-120-60	67	9,078	136	73	10

4' 120 Degree Light Distribution + 5000 Kelvin LED Color + Clear Lens 60W

Configuration	Wattage	Lumens	Efficacy	CRI	Weight (lbs)
DBL-4-5K-120-CA-120-60	67	9,359	140	73	10

4' LINEAR 60° CLEAR ACRYLIC LENS, 5000K 60W

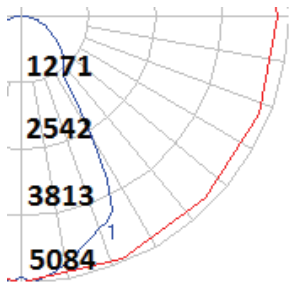
DESCRIPTIVE INFORMATION (From Photometric File)

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 [TESTLAB] INTERTEK
 [ISSUE DATE]
 [MANUFAC] DURACOMM
 [LUMCAT] DBL-4-5K-60-CA-120-60
 [LUMINAIRE] High Bay Luminaire
 [LAMP]LED
 [TOTALLUMINAIRELUMENS] 7,033

FIXTURE CHARACTERISTICS

Fixture Lumen Output: 7,033 lms
 Total Fixture Wattage: 67W
 Fixture Efficacy Rating: 105
 Spacing Criterion (0-180): 1.30
 Spacing Criterion (90-270): 1.30
 Spacing Criterion (Diagonal): 1.38

CANDELA PLOT



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0° - 30°	3,437	25%
0° - 40°	4,470	66%
0° - 60°	6,021	88%
0° - 90°	6,828	100%
0° - 180°	6,828	100%

CANDELA DISTRIBUTION ARRAY

	0°	45°	90°
0°	3,103	3,103	3,103
10°	3,060	3,046	3,065
20°	2,921	2,922	2,941
30°	2,698	2,671	2,712
40°	2,284	2,292	2,270
50°	1,816	1,798	1,813
60°	991	1,007	892
70°	146	144	140
80°	54	52	51
90°	0	0	0

COEFFICIENTS OF UTILIZATION

RC	80				70				50				30				10				0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88		
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76	76		
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58		
5	80	69	60	54	78	67	60	54	65	59	54	64	58	53	62	57	52	50	50		
6	74	62	54	48	72	61	53	48	59	52	47	58	52	47	56	51	46	45	45		
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40	40		
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35	35		
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32	32		
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29	29		

RCR=Room Cavity Ratio RC=Effective Ceiling Cavity Reflectance RW=Wall Reflectance
 Effective Floor Cavity Reflectance-20%

4' LINEAR 120° CLEAR ACRYLIC LENS, 5000K 40W

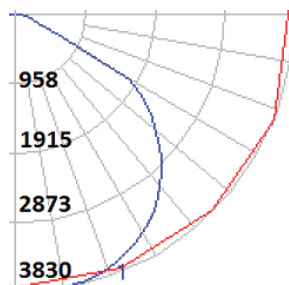
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 [TESTLAB] INTERTEK
 [ISSUE DATE]
 [MANUFAC] DURACOMM
 [LUMCAT] DBL-4-5K-120-CA-120-40
 [LUMINAIRE] High Bay Luminaire
 [LAMP]LED
 [TOTALLUMINAIRELUMENS] 6,936

FIXTURE CHARACTERISTICS

Fixture Lumen Output: 6,936 lms
 Total Fixture Wattage: 46W
 Fixture Efficacy Rating: 150
 Spacing Criterion (0-180): 1.02
 Spacing Criterion (90-270): 1.04
 Spacing Criterion (Diagonal): 0.94

CANDELA PLOT



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0° - 30°	2,915	49%
0° - 40°	3,893	65%
0° - 60°	5,256	88%
0° - 90°	6,936	100%
0° - 180°	6,936	100%

CANDELA DISTRIBUTION ARRAY

	0°	45°	90°
0°	4,150	4,150	4,150
10°	4,084	3,982	4,002
20°	3,698	3,678	3,703
30°	2,347	2,329	2,404
40°	1,112	1,124	1,117
50°	823	815	822
60°	560	557	565
70°	334	338	336
80°	134	134	135
90°	0	0	0

COEFFICIENTS OF UTILIZATION

RC	80				70				50				30				10				0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88		
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77		
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68		
4	89	79	72	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61	61		
5	83	72	64	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55		
6	78	66	59	53	76	66	58	53	64	57	53	62	57	52	61	56	52	50	50		
7	73	61	54	49	72	61	54	48	59	53	48	58	52	48	57	51	48	46	46		
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	53	48	44	42	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39	39		
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36	36		

RCR=Room Cavity Ratio RC=Effective Ceiling Cavity Reflectance RW=Wall Reflectance
 Effective Floor Cavity Reflectance-20%

4' LINEAR 120° CLEAR ACRYLIC LENS, 5000K 60W

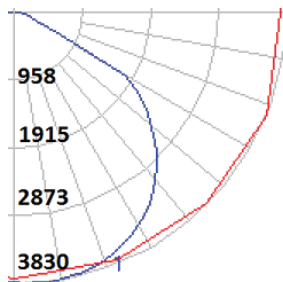
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 [TESTLAB] INTERTEK
 [ISSUE DATE]
 [MANUFAC] DURACOMM
 [LUMCAT] DBL-4-5K-120-CA-120-60
 [LUMINAIRE] High Bay Luminaire
 [LAMP]LED
 [TOTALLUMINAIRELUMENS] 9,359

FIXTURE CHARACTERISTICS

Fixture Lumen Output: 9,359 lms
 Total Fixture Wattage: 67W
 Fixture Efficacy Rating: 140
 Spacing Criterion (0-180): 1.04
 Spacing Criterion (90-270): 1.06
 Spacing Criterion (Diagonal): 0.92

CANDELA PLOT



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0° - 30°	3,034	48%
0° - 40°	4,040	64%
0° - 60°	5,509	88%
0° - 90°	9,359	100%
0° - 180°	9,359	100%

CANDELA DISTRIBUTION ARRAY

	0°	45°	90°
0°	4,201	4,201	4,201
10°	4,084	4,059	4,067
20°	3,823	3,784	3,795
30°	2,405	2,287	2,518
40°	1,190	1,188	1,190
50°	876	885	877
60°	601	606	595
70°	352	358	341
80°	124	136	129
90°	0	0	0

COEFFICIENTS OF UTILIZATION

RC	RW	80				70				50				30				10				0
		70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	0
0		119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100		
1		111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2		103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			
3		95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			
4		89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61			
5		83	72	64	59	81	71	64	59	69	63	58	67	62	57	65	61	57	55			
6		78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50			
7		73	61	54	48	72	61	53	48	59	53	48	58	52	48	57	51	47	46			
8		69	57	50	45	67	56	49	44	55	49	44	54	48	44	53	48	44	42			
9		65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10		62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	41	38	36			

RCR=Room Cavity Ratio RC=Effective Ceiling Cavity Reflectance RW=Wall Reflectance
 Effective Floor Cavity Reflectance-20%



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