

# CASTOR BS120M FLUORESCENT (T5)



2' - 4'

WET/IP66  
Marine



Surface / Suspended  
Luminaire

**Application:** The CASTOR BS120MT5 marine linear fluorescent is designed to be durable and efficient. Marine Inside Drip certification ensures the integrity of this luminaire on marine vessels in an inside damp or wet location while in direct contact with dripping oil or water. Constructed of heavy duty 20 gauge steel and finished in a white powder coat. The BS120MT5 integrates a deep cavity bonded, anti-aging gasket. The impact resistant tempered safety glass is held in place by stainless steel latches. Available in 2ft and 4ft versions. Internal emergency back up is offered. The CASTOR BS120MT5 is ideal for galley, passenger decks and engine rooms.

Type: \_\_\_\_\_

Project: \_\_\_\_\_

## CONFIGURE:

a	b	c	d	e	f	g
MODEL	LENGTH	OPERATION	LAMPS	INPUT	REFLECTOR	OPTIONS
<b>BS120MT5</b> CASTOR BS120M T5 SERIES	<b>2</b> 2 foot <b>4</b> 4 foot	<b>HT</b> AC only <b>SA</b> AC & Emergency  <small>NOTE (1): (SA) available in 2x28 only; (SA) versions 1200 lumens                      NOTE (2): consult factory for 347V (SA)</small>	<b>214W</b> 2x14W T5 <b>228W</b> 2x28W T5	<b>120V</b> <b>277V</b> <b>120/277V</b> <b>347V</b>	<b>WD</b> wide distribution <b>ND</b> narrow distribution	<b>FP</b> inline fuse protection <b>PK</b> rigid pendant kit: 18", 24", 36" & 48" <b>AC</b> aviation cable: 50", 72", 100", 150" & 250" <b>CH</b> chain hang kit  <small>NOTE: (AC &amp; PK) length to be specified, i.e. PK24 or AC100</small>
<b>MODEL</b> a	<b>LENGTH</b> b	<b>OPERATION</b> c	<b>LAMPS</b> d	<b>INPUT</b> e	<b>REFLECTOR</b> f	<b>OPTIONS</b> g
BS120MT5						

**HOUSING:** Deep draw die formed 20 gauge steel with cavity bonded anti-aging gasket. White powder coat finish.

**REFLECTOR:** Direct mount dual parabolic high emission reflector. Direct mount reflector configuration supports all electrical components.

**DIFFUSER:** Impact resistant 4mm thick tempered glass, held in place with six (2 ft unit) or eight (4 ft

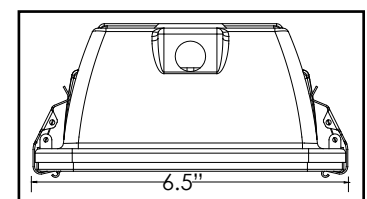
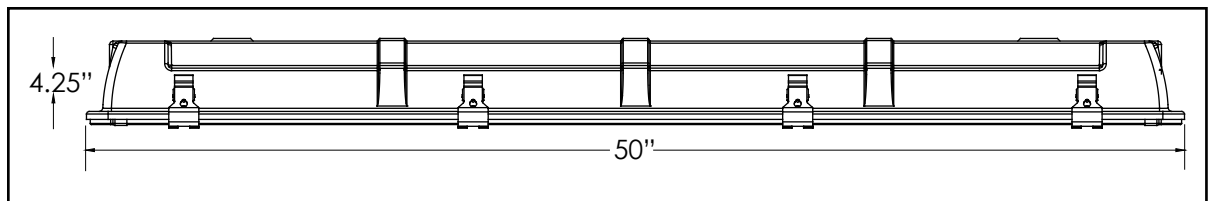
unit) stainless steel latches. Two (2) latches as capture clips.

**LAMP/SOCKET:** Four (4) T5 ratchet type sockets with Beghelli T5 adaptor extenders.

**MOUNTING:** Surface mount configuration as standard. Optional (AC) aviation cable, adjustable and (PK) pendant mounting are available. Required mounting height to be specified.

**POWER LINE/FEED:** 3-wire, solid type 18awg, pre-stripped 12" leads for quick in-field connection.

**EMERGENCY (SA):** Integral emergency ballast to operate one (1) lamp for a minimum duration of 90 minutes. Reflector mounted monitor indicator and test switch. (SA) for AC & emergency operation. The (SA) version is only available with either 120V or 277V inputs, (consult factory for 347V).



## CASTOR BS120



# CASTOR BS120M FLUORESCENT (T5HO)



2' - 4'

WET/IP66  
Marine



Surface / Suspended  
Luminaire

**Application:** The CASTOR BS120MT5HO marine linear fluorescent offers performance, efficiency and durability. Marine Inside Drip certification ensures the integrity of this luminaire on marine vessels in an inside damp or wet location while in direct contact with dripping oil or water. Constructed of heavy duty 20 gauge steel and finished in a white powder coat. The BS120MT5HO integrates a deep cavity bonded, anti-aging gasket. The impact resistant tempered safety glass is held in place by stainless steel latches. Available in 2ft and 4ft versions. Internal emergency back up is offered. The CASTOR BS120MT5HO is ideal for galley, passenger decks and engine rooms.

Type: \_\_\_\_\_

Project: \_\_\_\_\_

**CONFIGURE:**

a	MODEL	b	LENGTH	c	OPERATION	d	LAMPS	e	INPUT	f	REFLECTOR	g	OPTIONS
	<b>BS120MT5HO</b> CASTOR BS120M T5HO SERIES	2	2 foot	HT	AC only	224W	2x24W T5HO	120V		WD	wide distribution	FP	inline fuse protection
		4	4 foot	SA	AC & Emergency	254W	2x54W T5HO	277V		ND	narrow distribution	PK	rigid pendant kit: 18", 24", 36" & 48"
								120/277V				AC	aviation cable: 50", 72", 100", 150" & 250"
								347V				CH	chain hang kit
					NOTE (1): [SA] available in 2x54 only; [SA] versions 1300 lumens NOTE (2): consult factory for 347V [SA]								NOTE: (AC & PK) length to be specified, i.e. PK24 or AC100
	<b>MODEL</b>	<b>a</b>	<b>LENGTH</b>	<b>b</b>	<b>OPERATION</b>	<b>c</b>	<b>LAMPS</b>	<b>d</b>	<b>INPUT</b>	<b>e</b>	<b>REFLECTOR</b>	<b>f</b>	<b>OPTIONS</b>
	BS120MT5HO												

**HOUSING:** Deep draw die formed 20 gauge steel with cavity bonded anti-aging gasket. White powder coat finish.

**REFLECTOR:** Direct mount dual parabolic high emission reflector. Direct mount reflector configuration supports all electrical components.

**DIFFUSER:** Impact resistant 4mm thick tempered glass, held in place with six (2 ft unit) or eight (4 ft

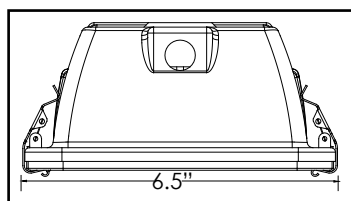
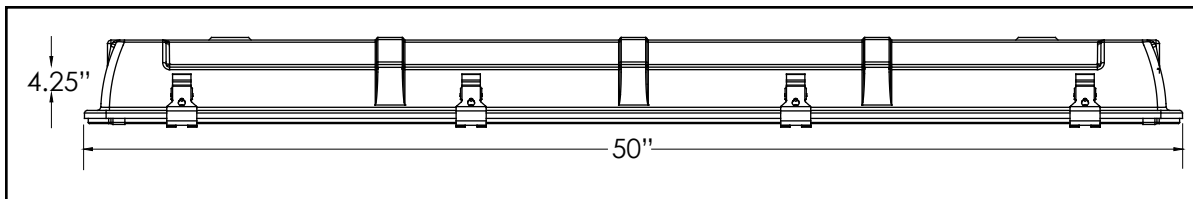
unit) stainless steel latches. Two (2) latches as cap-  
ture clips.

**LAMP/SOCKET:** Four (4) T5HO ratchet type sockets with  
Beggelli T5HO adaptor extenders.

**MOUNTING:** Surface mount configuration as stan-  
dard. Optional (AC) aviation cable, adjustable and  
(PK) pendant mounting are available. Required  
mounting height to be specified.

**POWER LINE/FEED:** 3-wire, solid type 18awg, pre-  
stripped 12" leads for quick in-field connection.

**EMERGENCY (SA):** Integral emergency ballast to  
operate one (1) lamp for a minimum duration of  
90 minutes. Reflector mounted monitor indicator  
and test switch. (SA) for AC & emergency opera-  
tion. The (SA) version is only available with either  
120V or 277V inputs, (consult factory for 347V).



CASTOR BS120



# CASTOR BS120M FLUORESCENT (T8)



2' - 4'

WET/IP66  
Marine



Surface / Suspended  
Luminaire

**Application:** The CASTOR BS120MT8 marine linear fluorescent offers performance and reliability. Marine Inside Drip certification ensures the integrity of this luminaire on marine vessels in an inside damp or wet location while in direct contact with dripping oil or water. Constructed of heavy duty 20 gauge steel and finished in a white powder coat. The CASTOR BS120MT8 integrates a deep cavity bonded, anti-aging gasket. The impact resistant tempered safety glass is held in place by stainless steel latches. Available in 2ft and 4ft versions. Internal emergency back up is offered. The CASTOR BS120MT8 is ideal for galley, passenger decks and engine rooms.

Type: \_\_\_\_\_

Project: \_\_\_\_\_

## CONFIGURE:

a	MODEL	b	LENGTH	c	OPERATION	d	LAMPS	e	INPUT	f	REFLECTOR	g	OPTIONS
	<b>BS120MT8</b> CASTOR BS120M T8 SERIES	<b>2</b> 2 foot <b>4</b> 4 foot		<b>HT</b> AC only <b>SA</b> AC & Emergency		<b>217W</b> 2x17W T8 <b>232W</b> 2x32W T8		<b>120V</b> <b>277V</b> <b>120/277V</b> <b>347V</b>		<b>WD</b> wide distribution <b>ND</b> narrow distribution		<b>FP</b> inline fuse protection <b>PK</b> rigid pendant kit: 18", 24", 36" & 48" <b>AC</b> aviation cable: 50", 72", 100", 150" & 250" <b>CH</b> chain hang kit	
				NOTE (1): (SA) available in 2x32 only; (SA) versions 700 lumens NOTE (2): consult factory for 347V (SA)								NOTE: (AC & PK) length to be specified, i.e. PK24 or AC100	
	<b>MODEL</b> a	<b>LENGTH</b> b		<b>OPERATION</b> c		<b>LAMPS</b> d		<b>INPUT</b> e		<b>REFLECTOR</b> f		<b>OPTIONS</b> g	
	BS120MT8												

**HOUSING:** Deep draw die formed 20 gauge steel with cavity bonded anti-aging gasket. White powder coat finish.

**REFLECTOR:** Direct mount dual parabolic high emission reflector. Direct mount reflector configuration supports all electrical components.

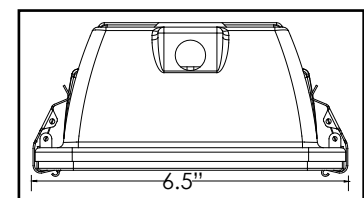
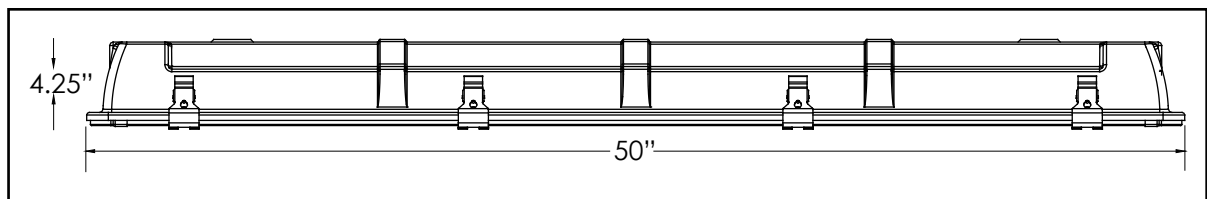
**DIFFUSER:** Impact resistant 4mm thick tempered glass, held in place with six (2 ft unit) or eight (4 ft unit) stainless steel latches. Two (2) latches as capture clips.

**LAMP/SOCKET:** Four (4) T8 ratchet type sockets.

**MOUNTING:** Surface mount configuration as standard. Optional (AC) aviation cable, adjustable and (PK) pendant mounting are available. Required mounting height to be specified.

**POWER LINE/FEED:** 3-wire, solid type 18awg, pre-stripped 12" leads for quick in-field connection.

**EMERGENCY (SA):** Integral emergency ballast to operate one (1) lamp for a minimum duration of 90 minutes. Reflector mounted monitor indicator and test switch. (SA) for AC & emergency operation. The (SA) version is only available with either 120V or 277V inputs, (consult factory for 347V).



## CASTOR BS120





**CASTOR + PHOTOMETRICS**

**PHOTOMETRIC DATA:**

Configuration: **BS120MT5HO-4-HT-254W-120/277V-WD-AC**

Initial Lamp Lumens: 4450

Luminaire Efficiency: 73.7%

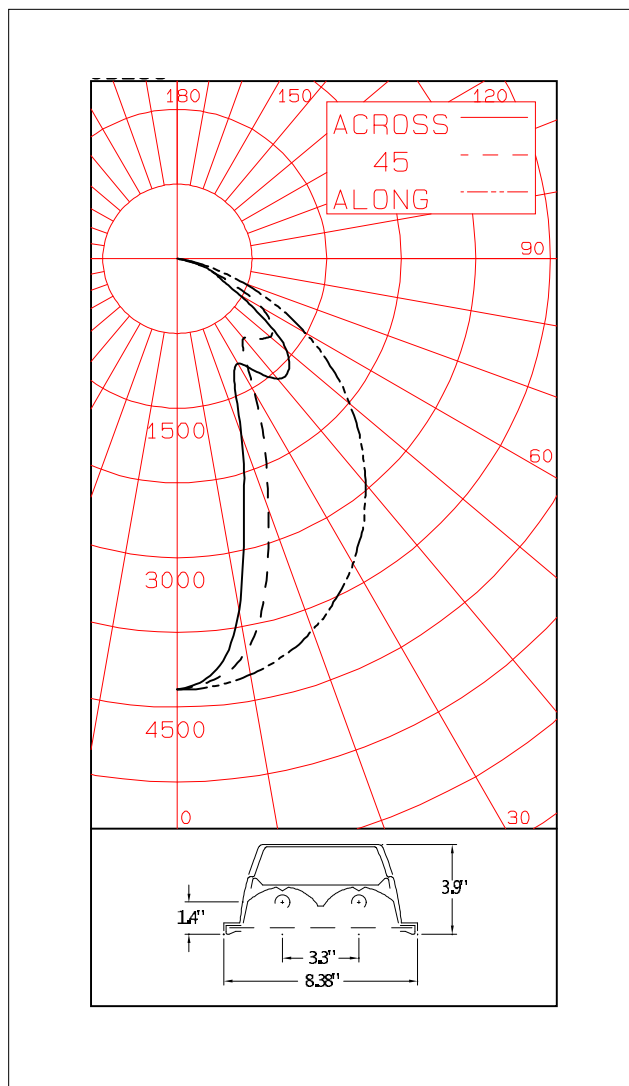
**CANDLE POWER SUMMARY**

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	4323	4323	4323	4323	4323	401
5	4305	4276	4239	4197	4172	401
10	4236	4151	3998	3738	3579	401
15	4124	3961	3420	2818	2587	942
20	3967	3649	2677	2100	1886	942
25	3765	3224	2081	1495	1352	1077
30	3535	2689	1550	1222	1214	1077
35	3266	2161	1177	1254	1386	1091
40	2951	1693	1039	1439	1574	1091
45	2615	1281	1143	1518	1582	1156
50	2254	896	1217	1433	1431	1156
55	1876	666	1160	1175	1074	995
60	1484	602	974	786	722	995
65	1079	585	641	501	483	632
70	708	470	355	363	375	632
75	375	264	224	220	203	255
80	121	60	75	19	9	255
85	0	4	0	0	0	10
90	0	0	0	0	0	0

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	2420	27.19	36.90
0-40	3511	39.45	53.53
0-60	5661	63.61	86.32
0-90	6559	73.70	100.00
40-90	3047	34.25	46.47
60-90	897	10.08	13.68
90-180	0	.00	.00
0-180	6559	73.70	100.00

**LUMINANCE SUMMARY**

Angle°	ALONG	45	ACROSS
45°	16883	7406	10251
55°	14937	9271	8584
65°	11658	6950	5237
75°	6620	3954	3594
85°	0	0	0



Please visit [www.beghelliLUCE.com](http://www.beghelliLUCE.com) to download additional photometry pdfs and IES files.

**PHOTOMETRIC DATA:**

**Configuration:** **BS120MT8-4-HT-232W-120/277-WD-AC**  
**Initial Lamp Lumens:** 2950  
**Luminaire Efficiency:** 71.1%

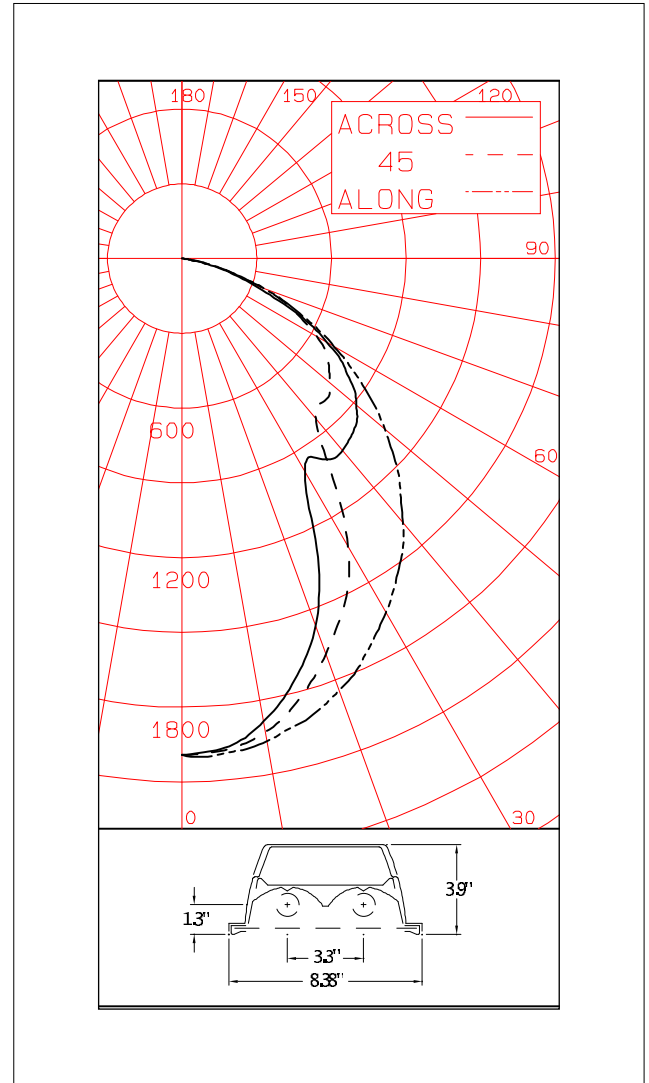
**CANDLE POWER SUMMARY**

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	1993	1993	1993	1993	1993	
5	1991	1978	1980	1982	1970	190
10	1966	1953	1929	1903	1886	190
15	1918	1896	1826	1771	1749	513
20	1845	1792	1689	1617	1570	513
25	1749	1679	1538	1371	1284	694
30	1640	1542	1331	1042	986	694
35	1518	1394	1042	933	983	727
40	1381	1227	837	972	1003	727
45	1232	1033	808	963	976	744
50	1063	790	777	884	914	744
55	888	559	717	796	811	655
60	708	459	625	667	673	655
65	523	389	497	506	491	465
70	347	296	345	315	301	465
75	186	193	181	176	173	193
80	61	67	72	50	48	193
85	0	7	0	0	1	15
90	0	0	0	0	0	

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1397	23.69	33.31
0-40	2124	36.00	50.62
0-60	3523	59.72	83.97
0-90	4195	71.12	100.00
40-90	2073	35.11	49.38
60-90	672	11.40	16.03
90-180	0	.00	.00
0-180	4195	71.12	100.00

**LUMINANCE SUMMARY**

Angle°	ALONG	45	ACROSS
45°	7956	5236	6325
55°	7066	5730	6481
65°	5654	5386	5326
75°	3278	3203	3069
85°	0	0	62



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