



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOSÃO

BR Ex nR II Tx

Características e aplicação:

Projektor com respiração restrita a alojamento para reator. Corpo, e tampa em alumínio fundido copper free (alta resistência mecânica e a corrosão). Refletor em vidro temperado resistente a choques térmicos e impacto, fixado a tampa. Junta de vedação de silicone. Soquete em porcelana reforçado.

A pedido fornecida com bornes para cabo 2,5mm² , permitindo continuidade do circuito elétrico.

Suporte de fixação "U" em ferro galvanizado a fogo. Entradas rosqueadas 3/4" (NPT ou BSP), M20 OU M25. Parafusos em aço inox 304.

Acabamento:

Eletrostático a pó em poliéster na cor cinza Munsell N6,5, outros sob. Consulta.

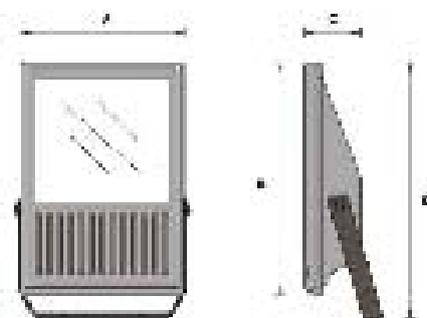
Instalação em área classificada e uso industrial tipo de proteção Não acendível Zona 2 e 22- Grupo IIA IIB ou IIC IP 66.

Indicadas para áreas onde haja risco de explosão: industriais químicas, petroquímicas, farmacêuticas, cabines de pinturas, entre outros.



DIMENSÕES EM MM

CÓDIGO	LAMPADA	POTENCIA	SOQUETE	TEMP.	PESO Kg	DIMENSÕES EM MM			
						A	B	C	D
TEXZNR16	MERCURIO	250W	E-40	T3	13,0	410	595	150	685
TEXZNR16	MERCURIO	400W	E-40	T2	13,0	410	595	150	685
TEXZNR16	SODIO	150W	E-40	T3	13,0	410	595	150	685
TEXZNR16	SODIO	250W	E-40	T3	13,0	410	595	150	685
TEXZNR16	SODIO	400W	E-40	T2	13,0	410	595	150	685
TEXZNR16	METALICO	150W	E-40	T3	13,0	410	595	150	685
TEXZNR16	METALICO	250W	E-40	T3	13,0	410	595	150	685
TEXZNR16	METALICO	400W	E-40	T2	13,0	410	595	150	685





PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOSÃO

BR Ex nR II Tx

- LÂMPADA ELIPSOIDAL VAPOR DE MERCÚRIO 125W
- LUXO DE 6.300 LUMENS

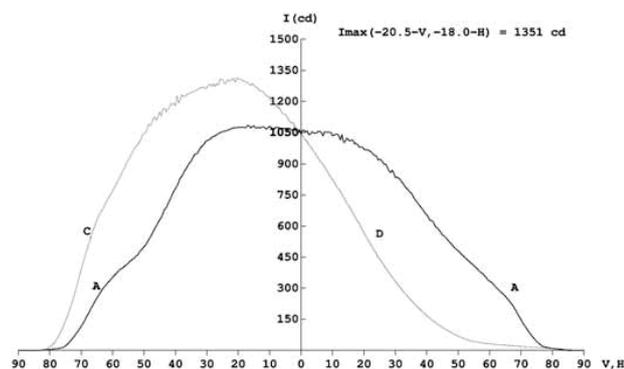
10% Beam Angle : 139;ã-H X 118;ã-V

TOTAL FLUX : 2596 lm

EFFICIENCY : 41.2%

AVAILABILITY FLUX : 2521 lm

AVAILABILITY : 40.0%



ISOCANDELA DIAGRAM (UNIT: cd)		AREA FLUX DIAGRAM (UNIT: lm)										ϕt	ϕa							
90		0.12	0.10	0.08	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.70	0.00							
80		0.44	0.41	0.35	0.26	0.16	0.09	0.04	0.00	0.00	0.00	3.37	0.00							
70		0.76	0.71	0.61	0.48	0.33	0.19	0.09	0.02	0.00	0.00	6.25	0.00							
60		1.38	1.28	1.11	0.89	0.66	0.42	0.18	0.05	0.00	0.00	11.7	0.00							
50	67.5	3.45	3.23	2.80	2.23	1.63	1.07	0.46	0.07	0.00	0.00	29.6	6.11							
40	203	7.42	7.02	6.06	4.66	3.25	2.07	0.96	0.13	0.01	0.01	64.2	57.2							
30	338	13.4	12.7	10.9	8.15	5.46	3.38	1.60	0.24	0.01	0.01	117	115							
20	473	21.0	19.8	16.7	12.4	8.10	4.89	2.33	0.36	0.01	0.01	180	178							
10	608	28.0	26.1	22.2	16.6	10.8	6.45	3.04	0.46	0.01	0.01	240	239							
0	743	34.2	32.4	27.7	20.5	13.2	7.73	3.55	0.51	0.01	0.01	289	288							
-10	878	38.4	36.7	31.7	23.3	14.8	8.54	3.77	0.49	0.01	0.01	324	323							
-20	1013	39.3	37.5	32.6	24.1	15.3	8.75	3.65	0.40	0.01	0.01	330	329							
-30	1158	37.7	36.2	31.6	23.3	14.9	8.45	3.09	0.27	0.01	0.01	314	313							
-40	1303	34.4	32.9	28.6	21.2	13.7	7.46	2.10	0.15	0.00	0.00	282	280							
-50	1448	27.9	26.4	22.7	17.2	11.2	5.18	0.97	0.08	0.00	0.00	224	222							
-60	1593	18.4	17.5	15.3	11.8	6.66	1.96	0.26	0.03	0.00	0.00	145	143							
-70	1738	5.04	4.90	4.34	3.11	1.21	0.23	0.05	0.01	0.00	0.00	36.6	27.3							
-80	1883	0.06	0.06	0.06	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.42	0.00							
-90																				
VERTICAL (DEG)		HORIZONTAL (DEG)																		
ϕt	0.04	2.07	22.9	63.7	125	213	279	306	313	311	296	256	190	121	66.9	26.1	3.27	0.08	2596	---
ϕa	0	0	18.1	59.6	121	208	274	301	307	305	290	250	185	117	62.4	21.60	2412	0	---	2521

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOSAO

BR Ex nR II Tx

- LAMPADA ELIPSOIDAL VAPOR DE MERCURIO 250W
- FLUXO DE 13.000 LUMENS

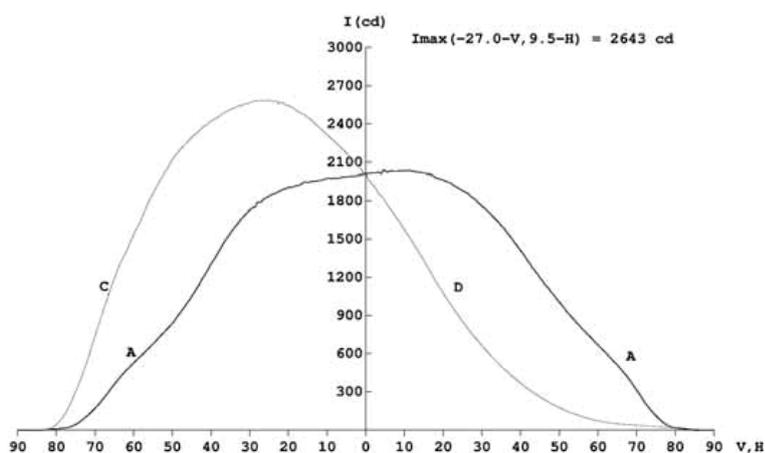
10% Beam Angle : 138;ã-H X 122;ã-V

TOTAL FLUX : 5075 lm

EFFICIENCY : 39.0%

AVAILABILITY FLUX : 4921 lm

AVAILABILITY : 37.9%



VERTICAL (DEG)	ISOCANDELA DIAGRAM (UNIT: cd)										AREA FLUX DIAGRAM (UNIT: lm)										φ t	φ a																																																																																																																																																																																							
	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	0.22			0.21	0.15	0.09	0.04	0.02	0.01	0.00	0.00	1.34	0.00	0.87	0.82	0.70	0.51	0.32	0.18	0.07	0.01	0.00	6.62	0.00	1.58	1.50	1.30	1.02	0.72	0.42	0.19	0.05	0.00	13.1	0.00	3.60	3.41	3.00	2.40	1.79	1.14	0.49	0.09	0.00	30.8	0.00	8.09	7.72	6.81	5.45	3.99	2.58	1.17	0.18	0.01	69.7	26.1	15.5	14.9	13.1	10.3	7.21	4.53	2.17	0.35	0.01	133	122	26.2	25.2	22.2	17.2	11.6	7.05	3.33	0.59	0.02	224	219	40.6	39.1	34.4	26.7	17.5	10.2	4.68	0.85	0.02	340	337	66.0	63.7	55.9	43.0	27.9	15.7	7.09	1.20	0.02	548	546	74.8	72.3	63.8	48.6	31.0	17.2	7.70	1.18	0.02	618	616	79.0	76.7	67.7	51.5	32.7	18.1	7.67	1.01	0.02	647	645	77.0	75.2	66.5	50.1	31.9	17.8	6.76	0.71	0.01	625	622	70.4	68.9	61.0	45.8	29.4	15.9	4.88	0.39	0.01	563	560	56.9	55.7	49.2	37.3	24.1	11.6	2.49	0.17	0.00	447	444	36.1	35.4	31.7	24.7	14.7	4.94	0.72	0.06	0.00	278	273	10.3	10.4	9.45	7.10	3.20	0.70	0.11	0.01	0.00	74.5	56.7	0.15	0.16	0.15	0.09	0.04	0.02	0.01	0.00
	HORIZONTAL (DEG)																																																																																																																																																																																																												
φ t	0.07	3.64	35.9	108	220	376	509	579	610	622	604	533	408	262	141	55.6	7.94	0.16	5075	---	0	0	23.9	98.7	210	366	499	568	598	610	593	523	398	252	132	46.6	1.00	0	---	4921																																																																																																																																																																					

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOSÃO

BR Ex nR II Tx

- LÂMPADA ELIPSOIDAL VAPOR DE MERCÚRIO 400W
- FLUXO DE 13.000 LUMENS

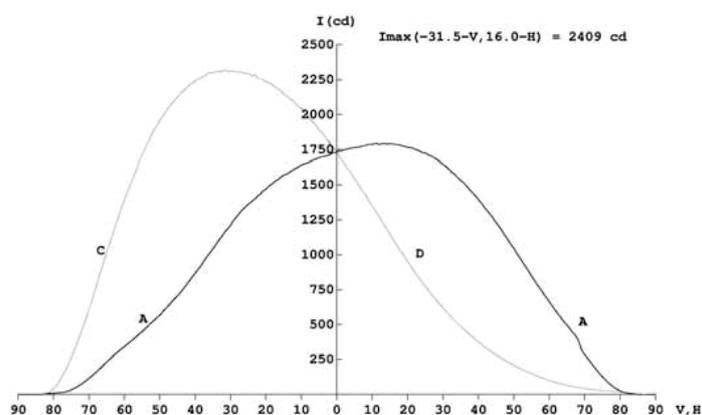
10% Beam Angle : 135;ã-H X 125;ã-V

TOTAL FLUX : 4447 lm

EFFICIENCY : 34.2%

AVAILABILITY FLUX : 4293 lm

AVAILABILITY : 33.0%



VERTICAL (DEG)	ISOCANDELA DIAGRAM (UNIT: cd)										AREA FLUX DIAGRAM (UNIT: lm)										φ t	φ a	
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90				
90											0.21	0.21	0.16	0.09	0.04	0.01	0.01	0.00	0.00	1.27	0.00		
80											0.88	0.86	0.76	0.56	0.36	0.20	0.07	0.01	0.00	6.64	0.00		
70											2.09	2.03	1.82	1.47	1.04	0.62	0.26	0.04	0.00	17.2	0.00		
60											4.61	4.47	4.01	3.26	2.41	1.52	0.69	0.12	0.00	39.2	0.00		
50											8.85	8.61	7.79	6.36	4.65	2.97	1.38	0.26	0.01	75.8	44.7		
40											15.2	15.0	13.7	11.2	7.97	4.92	2.33	0.46	0.01	129	121		
30											24.1	23.9	21.8	17.8	12.6	7.49	3.45	0.70	0.01	202	197		
20											35.5	35.1	31.8	25.8	18.1	10.5	4.72	0.94	0.02	290	287		
10											47.7	46.8	42.3	34.2	23.8	13.6	5.94	1.13	0.02	384	381		
0											58.1	57.1	51.6	41.6	28.8	16.2	6.91	1.25	0.02	467	464		
-10											66.2	64.9	58.7	47.3	32.5	18.1	7.46	1.27	0.02	528	525		
-20											70.7	69.5	62.9	50.5	34.5	19.0	7.46	1.13	0.02	559	557		
-30											70.7	69.8	63.5	50.8	34.5	18.7	6.78	0.87	0.01	553	551		
-40											65.5	64.9	59.2	47.5	31.8	16.7	5.16	0.55	0.01	504	501		
-50											52.7	52.3	48.1	38.5	25.4	12.2	3.01	0.24	0.00	397	394		
-60											31.3	30.9	28.2	22.6	14.4	5.68	1.07	0.07	0.00	231	225		
-70											8.88	8.92	8.22	6.45	3.56	1.07	0.14	0.01	0.00	62.7	44.5		
-80											0.14	0.16	0.15	0.12	0.06	0.02	0.01	0.00	0.00	1.01	0.00		
-90																							

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOÇÃO

BR Ex nR II Tx

- LÂMPADA TUBULAR VAPOR DE SÓDIO 150W
- FLUXO DE 15.000 LUMENS

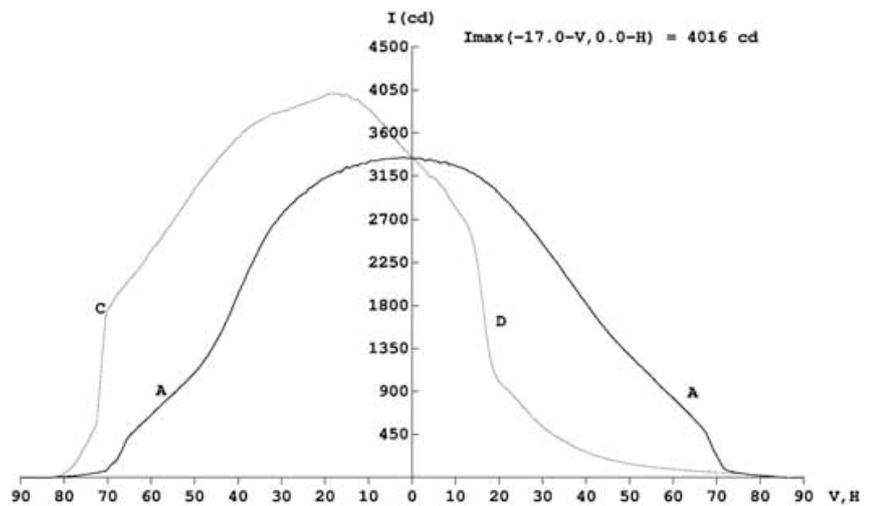
10% Beam Angle : 134;ã-H X 109;ã-V

TOTAL FLUX : 6887 lm

EFFICIENCY : 45.9%

AVAILABILITY FLUX : 6632 lm

AVAILABILITY : 44.2%



VERTICAL (DEG)	ISOCANDELA DIAGRAM (UNIT: cd)										AREA FLUX DIAGRAM (UNIT: lm)										φ t	φ a									
	90	80	70	60	50	40	30	20	10	0	0.33	0.29	0.20	0.11	0.05	0.02	0.01	0.00	0.00	1.89			0.00								
80											1.22	1.14	0.94	0.67	0.41	0.22	0.08	0.01	0.00	8.96	0.00										
70											2.08	1.94	1.64	1.26	0.84	0.46	0.21	0.05	0.00	16.4	0.00										
60											3.40	3.13	2.62	2.00	1.42	0.81	0.36	0.10	0.00	26.9	0.00										
50											201	5.97	5.46	4.45	3.25	2.22	1.34	0.57	0.16	0.01	45.6	0.00									
40											11.6	10.4	8.12	5.47	3.43	2.11	0.91	0.22	0.01	84.7	22.2										
30											602	23.0	20.5	15.5	10.2	5.80	2.81	1.17	0.29	0.02	169	141									
20											1004	61.5	56.6	46.4	34.2	20.2	14.2	4.01	0.39	0.02	469	462									
10											1406	93.0	86.1	70.9	51.3	32.4	17.9	6.63	0.52	0.02	718	714									
0											3012	108	99.4	80.8	56.5	34.5	19.2	7.98	0.59	0.02	822	819									
-10											4016	119	110	89.8	61.9	36.7	20.0	8.04	0.56	0.02	897	895									
-20											118	110	90.1	62.7	37.6	20.4	7.53	0.47	0.02	892	889										
-30											3614	113	106	87.6	60.8	36.7	19.9	6.21	0.38	0.01	848	845									
-40											3213	100	95.2	79.6	55.4	33.9	17.9	5.61	0.27	0.01	751	747									
-50											2811	81.3	76.4	63.8	45.6	28.5	12.1	1.33	0.16	0.00	601	597									
-60											2410	62.0	57.3	48.0	34.8	18.0	3.22	0.46	0.06	0.00	441	435									
-70											2008	14.9	14.0	11.6	6.98	1.65	0.37	0.11	0.01	0.00	92.6	63.7									
-80											1606	0.16	0.17	0.16	0.10	0.04	0.02	0.01	0.00	0.00	1.07	0.00									
-90											0.16	0.17	0.16	0.10	0.04	0.02	0.01	0.00	0.00	0.00	1.07	0.00									
											HORIZONTAL (DEG)																				
											0.07	2.43	31.5	120	260	506	728	855	914	918	854	702	493	294	156	49.7	4.26	0.17	6887	---	
											φ a	0	0	17.4	108	245	489	708	834	891	895	831	680	474	279	145	35.7	0	0	---	6632

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOÇÃO

BR Ex nR II Tx

- LÂMPADA TUBULAR VAPOR DE SÓDIO 400W
- FLUXO DE 48.000 LUMENS

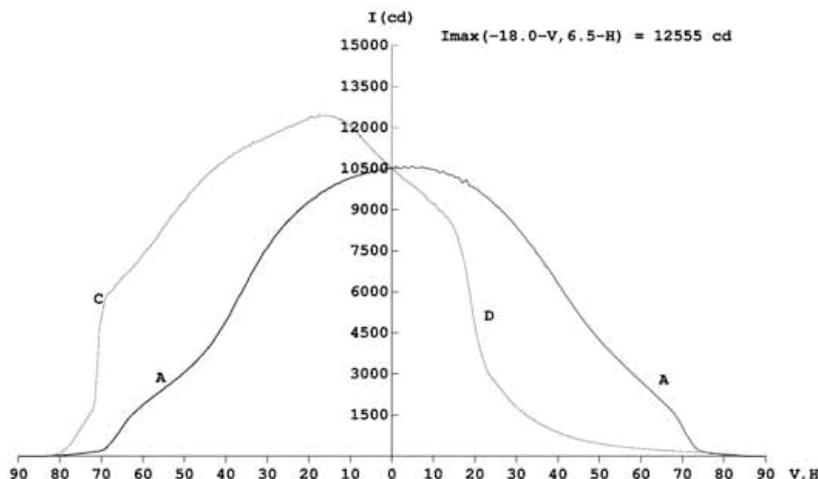
10% Beam Angle : 133;ã-H X 110;ã-V

TOTAL FLUX : 21774 lm

EFFICIENCY : 45.4%

AVAILABILITY FLUX : 20991 lm

AVAILABILITY : 43.7%



ISOCANDELA DIAGRAM (UNIT:cd)		AREA FLUX DIAGRAM (UNIT:lm)										φ t	φ a							
90		1.10	1.01	0.75	0.42	0.19	0.06	0.02	0.01	0.00	6.35	0.00								
80		4.02	3.84	3.26	2.33	1.41	0.74	0.27	0.02	0.00	29.3	0.00								
70		6.70	6.36	5.47	4.22	2.82	1.52	0.68	0.16	0.00	52.4	0.00								
60		10.8	10.2	8.71	6.66	4.64	2.65	1.13	0.33	0.01	85.2	0.00								
50		628	19.3	18.2	15.3	11.2	7.41	4.35	1.82	0.49	0.02	146	0.00							
40		38.8	36.1	29.4	20.2	12.0	7.24	3.58	0.69	0.04	278	89.7								
30		1883	86.4	80.5	66.9	46.6	27.5	20.5	8.63	1.00	0.05	639	565							
20		1119	236	221	185	135	78.4	47.1	16.9	1.61	0.06	1768	1754							
10		9416	299	281	237	175	108	58.5	23.6	2.39	0.07	2258	2248							
0		342	321	270	197	119	63.9	27.4	2.81	0.07	2558	2549								
-10		375	355	299	216	128	67.7	28.4	2.61	0.06	2785	2775								
-20		366	351	300	219	132	70.0	27.3	1.97	0.05	2735	2725								
-30		11299	346	337	291	214	130	68.6	23.7	1.30	0.04	2586	2575							
-40		10044	312	305	266	195	120	62.9	15.7	0.88	0.02	2321	2309							
-50		8788	255	246	213	158	100	47.7	6.25	0.51	0.01	1879	1864							
-60		7533	195	185	158	117	67.9	16.7	1.59	0.20	0.00	1381	1362							
-70		6277	41.4	40.2	35.6	24.5	7.60	1.43	0.34	0.03	0.00	264	175							
-80		5022	0.45	0.48	0.44	0.30	0.14	0.05	0.02	0.01	0.00	3.01	0.00							
-90		4433																		
HORIZONTAL (DEG)																				
φ t	0.24	7.24	82.9	323	687	1358	2133	2644	2882	2936	2798	2387	1742	1048	542	187	17.0	0.52	21774	---
φ a	0	0	34.7	285	646	1306	2071	2576	2813	2866	2731	2322	1683	1001	507	148	0	0	---	20991

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOSÃO

BR Ex nR II Tx

- LÂMPADA TUBULAR VAPOR DE METÁLICO 150W
- FLUXO DE 14.000 LUMENS

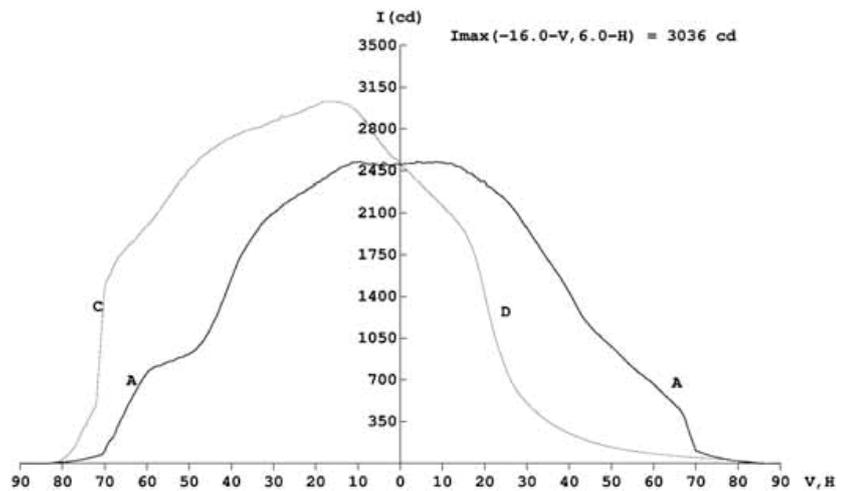
10% Beam Angle : 135;ã-H X 113;ã-V

TOTAL FLUX : 5803 lm

EFFICIENCY : 41.5%

AVAILABILITY FLUX : 5611 lm

AVAILABILITY : 40.1%



ISOCANDELA DIAGRAM (UNIT: cd)		AREA FLUX DIAGRAM (UNIT: lm)												φ t	φ a						
90		0.30	0.26	0.18	0.10	0.05	0.02	0.01	0.00	0.00	0.00	1.73	0.00								
80		1.13	1.06	0.87	0.61	0.37	0.20	0.07	0.01	0.00	8.43	0.00									
70		1.95	1.82	1.54	1.18	0.78	0.43	0.20	0.05	0.00	15.7	0.00									
60		3.22	2.97	2.50	1.91	1.34	0.76	0.34	0.10	0.00	25.9	0.00									
50		5.70	5.27	4.34	3.17	2.16	1.29	0.54	0.15	0.01	44.5	0.00									
40	152	11.1	10.2	8.14	5.52	3.59	2.20	1.19	0.21	0.01	84.1	42.7									
30	455	26.4	24.9	20.3	14.0	9.43	5.81	2.93	0.29	0.02	208	197									
20	759	57.7	54.5	46.0	33.1	19.9	11.7	4.80	0.37	0.02	458	455									
10	1169	70.7	67.4	56.8	40.7	24.5	13.9	5.80	0.45	0.02	564	562									
0	1366	81.6	77.3	64.8	45.4	26.7	15.2	6.51	0.50	0.02	642	640									
-10	1670	90.8	86.8	72.9	50.8	29.6	16.7	6.90	0.51	0.02	713	711									
-20	1973	89.3	86.7	74.3	53.4	32.3	18.2	6.66	0.46	0.02	714	712									
-30	2277	85.8	84.3	73.7	53.4	33.0	18.8	5.59	0.37	0.01	689	687									
-40	2732	79.8	77.8	67.5	49.1	31.8	17.8	5.08	0.26	0.01	633	630									
-50	2429	67.5	64.5	55.6	41.9	28.2	11.5	1.14	0.15	0.00	526	522									
-60	2125	54.2	51.7	44.6	33.6	17.2	2.64	0.43	0.06	0.00	401	396									
-70	1821	11.6	11.1	9.20	5.41	1.20	0.34	0.09	0.01	0.00	75.3	56.0									
-80	1518	0.13	0.13	0.12	0.07	0.03	0.01	0.01	0.00	0.00	0.88	0.00									
-90	304																				
		HORIZONTAL (DEG)																			
φ t		0.08	2.68	37.2	122	232	443	604	695	733	739	709	604	434	262	138	46.3	3.94	0.16	5803	---
φ a		0	0	26.8	113	222	431	588	678	716	722	692	587	419	251	128	36.0	0	0	---	5611

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.



PROJETOR LONGO ALCANCE - TPREXN16

À PROVA DE EXPLOSAO

BR Ex nR II Tx

- LAMPADA TUBULAR VAPOR DE METALICO 250W
- FLUXO DE 20.000 LUMENS

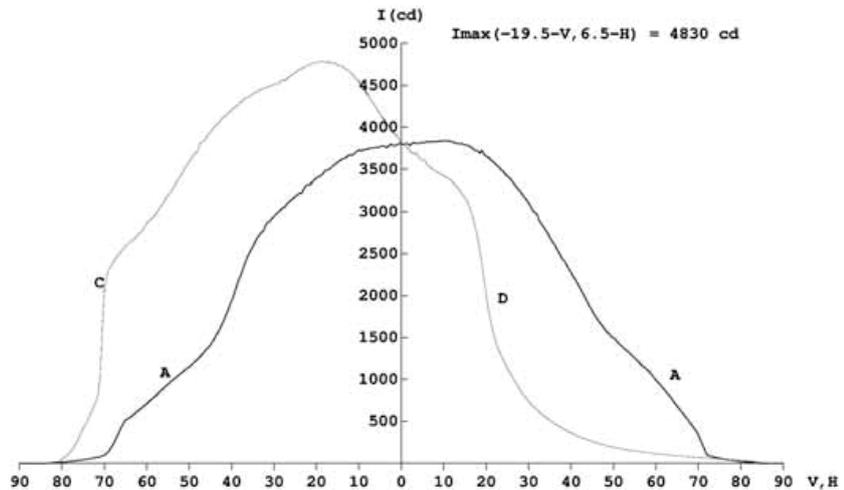
10% Beam Angle : 134;ã-H X 112;ã-V

TOTAL FLUX : 8531 lm

EFFICIENCY : 42.7%

AVAILABILITY FLUX : 8228 lm

AVAILABILITY : 41.1%



ISOCANDELA DIAGRAM (UNIT: cd)		AREA FLUX DIAGRAM (UNIT: lm)										Φ t	Φ a
90		0.45	0.41	0.29	0.15	0.07	0.02	0.01	0.00	0.00	0.00	2.61	0.00
80		1.66	1.57	1.29	0.89	0.53	0.28	0.10	0.01	0.00	12.1	0.00	
70		2.79	2.63	2.24	1.69	1.09	0.58	0.26	0.06	0.00	21.9	0.00	
60		4.56	4.28	3.62	2.75	1.90	1.04	0.44	0.12	0.00	36.0	0.00	
50		8.21	7.73	6.47	4.69	3.10	1.78	0.74	0.19	0.01	62.3	0.00	
40	241	16.3	15.4	12.6	8.55	5.27	3.17	1.93	0.27	0.01	120	51.0	
30	724	36.9	36.0	31.1	21.8	14.3	8.85	4.64	0.37	0.02	282	258	
20	1207	91.3	87.5	74.8	53.7	31.8	18.5	7.29	0.53	0.02	684	677	
10	1722	109	104	88.6	64.1	38.7	21.6	8.63	0.72	0.02	837	832	
0	2656	126	120	102	73.5	43.3	23.9	9.81	0.82	0.02	954	951	
-10	3139	143	136	117	84.4	49.5	26.9	10.7	0.75	0.02	1081	1078	
-20	3622	142	137	119	87.4	52.6	28.7	10.5	0.58	0.02	1091	1088	
-30	4347	135	132	116	84.6	50.9	28.3	9.14	0.46	0.01	1033	1030	
-40	3864	121	119	104	76.1	47.5	26.1	5.82	0.32	0.01	919	915	
-50	3381	98.1	95.0	83.3	62.1	40.4	19.0	1.79	0.18	0.00	734	729	
-60	2898	77.8	74.4	65.4	49.2	27.7	5.05	0.54	0.07	0.00	558	552	
-70	2415	15.8	15.6	13.9	9.19	2.08	0.44	0.11	0.01	0.00	103	68.0	
-80	1932	0.16	0.18	0.17	0.10	0.04	0.01	0.01	0.00	0.00	1.11	0.00	
-90	483												

Direito reservado a Telbra de mudar a qualquer momento as informações dos produtos, bem como acrescentar e/ou tirar produtos da linha.

