

application

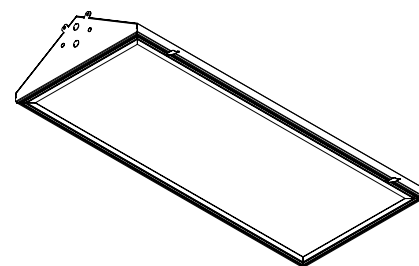
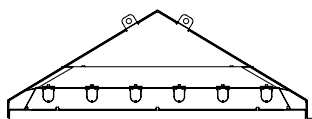
- An efficient alternative for use in food processing and wet and dusty industrial applications.

construction & features

- Polycarbonate lens, enclosed and gasketed with extruded aluminum door frame with stainless steel latches.
- Specular aluminum reflectors maximize luminaire efficiency and control light distribution.
- Welded steel housing with white polyester powder finish. Painted after fabrication
- IP66 Rated.
- NSF Certified.
- Class II, Division 2, Group G, T4 (Ambient range: 20°C to 30°C)

electrical

- Listed by ETL to meet UL 1598 for Wet Location and 55°C Ambient.
- Advance Electronic Ballast.

**Specifier's Reference**

Project

Type

Model No.

Comments

Green Choice: NHB 654HO-UNV-1/42-EB**energy data**

Lamp Watts	Ballast Type	Input Watts
49	1/4-EB	216
	2/2-EB	216
	1/42-EB	324

NHB	54HO				
Family	Lamp Type/Wattage		Ballast		
NHB – Fluorescent High Bay	54HO – 54WT5HO (46")		1/4-EB – One 4 lamp Electronic Ballast		
			2/2-EB – Two 2 lamp Electronic Ballasts		
			1/42-EB – One 4 lamp and one 2 lamp Electronic Ballast		
Lamp Quantity		Voltage		Options	
4		UNV (105 -305 V)		WC – Wired Cord	
6		347		WP9 – Wire 9' Cord and Plug Assembly (Specify Voltage)	
		480		MD360 – Motion Detector Controls All Lamps	
				MD360/2 – Motion Detector Controls 2 Lamps	
				MD360/4 – Motion Detector Controls 4 Lamps	
				LPPTL841/HO/EA/ALTO49W – T5HO 49 Watt Lamp Installed	
				LPPTL841/HO/EA/A/ALTO49W – T5HO 49 Watt Amalgam High Temp Lamp Installed	
				LPPTL841/HO/EA/ALTO/TG49W – T5HO 49 Watt Lamp Tuff Guard Installed	

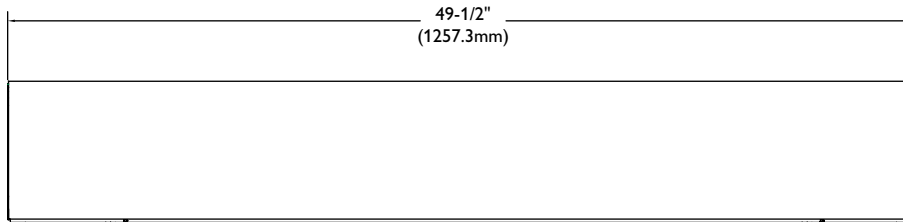
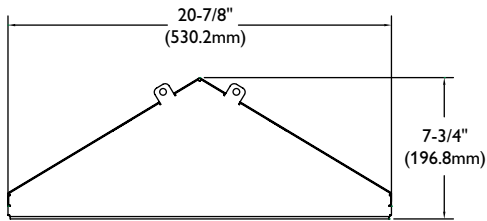
Accessories (Order Separately)

FBF/FBE-GRIP 10 – 2ea Grip Cable 10' and 2ea V Brackets

General Notes

All options factory installed.
All accessories are field installed.

dimensions



photometry

T5/HO Fluorescent

Efficiency – 74.6%

LER – 67.0

TER – 35.0

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH		0	9163	9163	9163	0-30	6236	23.6	31.7	45	13775	11407	10593
Lamp Type		5	9270	8933	8775	0-40	9952	37.7	50.5	55	12147	9523	8679
Lumens/Lamp		10	9126	8419	8042	0-60	16568	62.8	84.1	65	9487	7207	8609
Ballast Factor		15	8897	7737	7303	0-90	19691	74.6	100.0	75	5449	6228	6555
Input Watts		20	8598	7079	6776					85	1302	1651	1185
		25	8177	6531	6457								
		30	7671	6073	6143								
		35	7125	5641	5796								
		40	6462	5225	5223								
		45	5753	4764	4424								
		50	4958	4087	3723								
		55	4115	3226	2940								
		60	3244	2517	2408								
		65	2368	1799	2149								
		70	1530	1368	1642								
		75	833	952	1002								
		80	317	432	422								
		85	67	85	61								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.58** 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.

T5/HO Fluorescent

Efficiency – 83.9%

LER – 73.1

TER – 38.3

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH		0	6598	6598	6598	0-30	4575	26.0	31.0	45	9899	8744	8246
Lamp Type		5	6669	6453	6402	0-40	7361	41.8	49.9	55	8758	7430	6718
Lumens/Lamp		10	6569	6109	5855	0-60	12379	70.3	83.9	65	6851	5493	6839
Ballast Factor		15	6409	5641	5428	0-90	14762	83.9	100.0	75	3827	4906	4932
Input Watts		20	6182	5241	5044					85	913	1030	583
		25	5890	4836	4786								
		30	5550	4484	4668								
		35	5134	4217	4461								
		40	4654	3957	4102								
		45	4134	3652	3444								
		50	3576	3180	2889								
		55	2967	2517	2276								
		60	2338	1940	1895								
		65	1710	1371	1707								
		70	1110	1077	1288								
		75	585	750	754								
		80	229	311	291								
		85	47	53	30								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.29** based on 3000 hrs. and \$.08 pwr KWH.

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Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008