

Model TPHD

KEY FEATURES

- Tool-free, easy maintenance
- High efficiency (>130 lm/W)
- Samsung LED (LM80)
- Replaces a set of conventional 1x36W, 2X36W, 1x54W, 2x54W fluorescent tubes with tri-proof casing
- 90-305Vac: Wide input voltage range that protects lamps against voltage fluctuations
- 4 kV surge protection: Protection against transient voltage
- Polycarbonate housing (diffuser and body). Stainless steel clips (SS201)
- Optional emergency battery pack
- Operating temperature as low as -40°C for cold storage applications
- >>50,000 hours design life
- Ideal for food processing facility, tunnel, ships
- Designed to pass NSF



SAMSUNG

SPECIFICATIONS¹

MODELS	TPHD-360	TPHD-720
Rated Power	36W	72W
LED	SAMSUNG	
Color Temperature (CCT)	3000K, 4000K, 5000K, 5700K, 6500K (Standard Model)	
CRI	> 80 Ra	
Luminous Flux	4,800 Lumens	9,600 Lumens
Luminous Efficacy	> 130 Lumens/W	
Input Voltage	100-305 Vac, 50/60 Hz	
Power Factor	> 0.95	
Power Supply Efficiency	> 94%	
Surge Protection	4 kV	
Total Harmonic Distorsion (THD)	<8%	
Dimming	Non-Dimmable (Optional 0-10V Dimming)	
Emergency Backup	Optional Emergency Battery Pack	
Beam Angle	130 Degrees	
Design Life	>> 50,000 Hours	
Work Temperature	- 40 ~ 40°C	
Material	Polycarbonate (Diffuser and Body). Stainless Steel 201 Clips, EPDM (Gasket)	
Ingress Protection	IP66	
Product Size	L650 x W130 x H108 mm	L1250 x W130 x H108 mm

1. Product specifications are subject to changes without notice

CONE LUX DIAGRAM

	CENTER BEAM LUX	BEAM WIDTH	
1.6 M	405 LUX	4.23 M	7.17 M
3.3 M	101 LUX	8.45 M	14.35 M
5.0 M	45.0 LUX	13.67 M	21.50 M
6.6 M	25.3 LUX	16.9 M	28.67 M
8.3 M	16.2 LUX	21.13 M	35.84 M
10.0 M	11.3 LUX	25.35 M	43.02 M

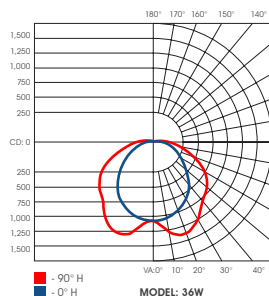
■ BEAM SPREAD: 103.5°

■ HORIZONTAL SPREAD: 130.1°

Photometric test results of only 36W is presented.

Test results of other wattage are available upon request.

POLAR DIAGRAM



PRODUCT DIMENSION (Unit: mm)

TPHD	36W	72W
L x W x H	650 x 130 x 108	1250 x 130 x 108

ORDERING INFORMATION: e.g., TPHD-72065N-12

MODEL		WATTAGE		CCT		DIMMING		LENGTH	
TPHD	"DUX" TRI-PROOF (IP66) LIGHT	360	36W	30	3000K	N	NON-DIMMABLE	06	650mm (2ft)
		720	72W	40	4000K	D	DIMMABLE	12	1250mm (4ft)
				50	5000K				
				57	5700K				
				65	6500K				