



HE



"Spot Max HE" from a highly energy efficient "Spot Max" family has now received a major upgrade, a significant improvement of system efficacy that reaches 70 - 90 lm/W. The extremely low power consumption of this new solution results in significant energy saving compared with traditional CFL, CDM, and Halogen downlights.

Applied with latest Philips LED module, with simple and perfect appearance, environmental friendly. It delivers an extremely high energy efficient, low maintenance ratio, consistent light output, high lumen output with over Ra 85, and brilliant light quality.

"Spot Max HE" offers different dimensions, beam angles, and options for more flexibility to the architects and designers.

Energy saving

Applied with Philips LED module. Spot Max HE helps you save on your energy bills by providing up to 60% energy saving comparing to conventional halogen and compact fluorescent tube. Perfect replacement for 50W halogen or 2 x 18w / 2 x 26w / 2 x 32 CFL downlight.

Low maintenance ratio

50,000 hours life time with 70% lumen maintenance (B50L70), making it a true "fit & forget" solution. Thanks to the Philips approved Ominus aluminum passive / active heatsink.

Light Quality

Features the latest LED remote phosphor technology, delivery consistent light output, stable color temperature performance and high color rendering (Ra > 85). UV and IR free

Cool light beam

Providing extra savings on the air-conditioning, reducing the loading of air conditioner to achieve more energy savings.

Application

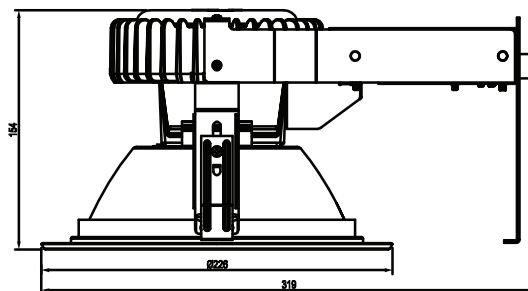
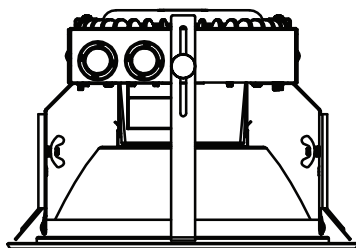
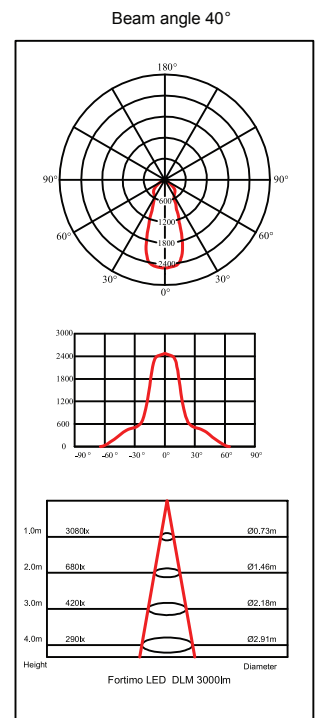
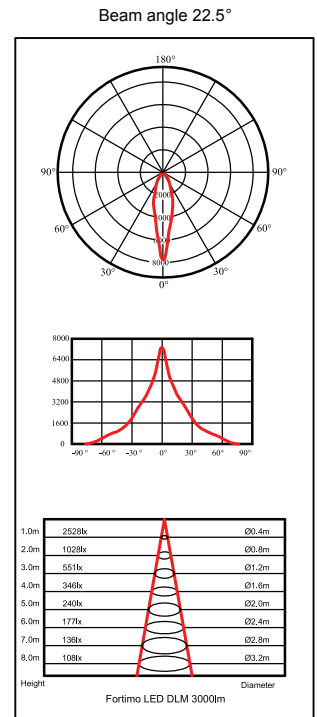
Perfect replacement for Halogen / CFL Downlight applied in the high ceiling area.

- Public Area - Lobby
- Office
- Hospital and cruise ships
- Corridors, Services area, and Restaurant
- Retail shop lighting
- High ceiling area - Artium

Specifications

Model Number	HE-811				HE-820				HE-830			
Light Source	DLM				DLM				DLM			
Lumen Output	1100lm				2000lm				3000lm			
CRI	>80	>75	>80	>75	>80	>75	>80	>75	>80	>75	>80	>75
Color Temp	3000	3500	4000	5000	3000	3500	4000	5000	3000	3500	4000	5000
Power consumption	16W	15W	14W	13W	27W	25W	24W	22W	45W	43W	41W	38W
System efficacy	69	73	79	85	74	80	83	91	67	70	73	79
Power factor	> 0.90				> 0.90				> 0.90			
Voltage	110-240V				110-240V				110-240V			
Driver	Remote				Remote				Remote			
Cut out	190mm				190mm				190mm			
Material	Fixation: Steel Reflector: Aluminum Heatsink: Aluminum Front rim: Aluminum				Fixation: Steel Reflector: Aluminum Heatsink: Aluminum Front rim: Aluminum				Fixation: Steel Reflector: Aluminum Heatsink: Aluminum Front rim: Aluminum			
Installation	Spring fasteners				Spring fasteners				Spring fasteners			
Operating Temperature	-20C < Ta < 40C				-20C < Ta < 40C				-20C < Ta < 40C			
Ambient temperature for max. performance	25C				25C				25C			
Lifetime	50k hours (70% lumen maintenance at Ta = 25C)				50k hours (70% lumen maintenance at Ta = 25C)				50k hours (70% lumen maintenance at Ta = 25C)			
Dimming	Dali / Training Edge				Dali / Training Edge				Dali / Training Edge			
Reflective Ratio	>90				>90				>90			

Certificate EN 60598, EN 55015:2006-12 ; A12007-05, EN 61547: 1995-09 ; A12000-08, EN 61547: 1995-10; A1 2000-12, IEC 61000-3-2 ; 2005-11, EN 61000-3-2;2006-04, IEC 61000-3-3;1994-12 A1 2005-08, EN 61000-3-3;1995-01, IEC 62031:2008 LED module for general lighting-Safety specifications, IEC 62471 Photo-biological safety, IEC 62384:2006 DC / AC applied electronic control gear for LED module performance, ROHS



Remarks: Philips Warranty 3 years.