





































Havells

Item Code Logic

Lighting	Havells	Application Type	Lamp Source	Product Version	No. Of Lamp	Lamp Wattage	Mounting Type ignitor Type	Ballast Type
L	H	C	C	N 1	3	3 6	1	1 1
<div> <div> <p>B = Ballast</p> <p>C = Commercial</p> <p>D = Domestic</p> <p>E = Emergency</p> <p>F = Flood Light</p> <p>G = Control</p> <p>I = Industrial</p> <p>R = Roadway</p> <p>S = Sources</p> <p>V = Vapour Proof</p> <p>W = Well Glass</p> <p>Y = Spare Parts</p> </div> <div> <p>B = Blended MV</p> <p>C = CFL</p> <p>F = Fluorescent</p> <p>G = HPMV</p> <p>H = Tungsten</p> <p>L = GLS</p> <p>M = Metal Halide</p> <p>S = Sodium Vapour</p> <p>T = T5 FTL</p> <p>W = Elliptical HID only</p> <p>Y = Tubular HID only</p> <p>Z = Both E/T HID</p> </div> <div> <p>A = MS white painted</p> <p>B = Specular finish Al.</p> <p>C = Specular finish Al.</p> <p>N = Non Category Louvre</p> <p>P = Polycarbonate Louvre</p> </div> <div> <p>1 = 1 Lamp</p> <p>2 = 2 Lamp</p> <p>3 = 3 Lamp</p> <p>4 = 4 Lamp</p> </div> <div> <p>CFL Lamps</p> <p>09 = 9W CFL</p> <p>11 = 11W CFL</p> <p>13 = 13W CFL</p> <p>18 = 18W CFL/FPL/FTL</p> <p>26 = 26W CFL</p> <p>36 = 36W FPL/FTL</p> <p>FTL / T5 Lamps</p> <p>02 = 20W FTL</p> <p>04 = 40W FTL</p> <p>14 = 14W T5 FTL</p> <p>21 = 21W T5 FTL</p> <p>28 = 28W T5 FTL</p> <p>54 = 54W T5 FTL</p> <p>HID Lamps</p> <p>70 = 70W SV/MH</p> <p>80 = 80W MV</p> <p>12 = 125W MV</p> <p>15 = 150W SV/MH</p> <p>25 = 250W MV/SV/MH</p> <p>40 = 400W MV/SV/MH</p> <p>60 = 600W SV</p> <p>10 = 1000W SV/MH</p> </div> <div> <p>For Commercial Fixture</p> <p>1 = Armstrong ceiling</p> <p>2 = Gypsum Board</p> <p>3 = Recess mounting</p> <p>4 = Surface mounting</p> <p>6 = Luxion ceiling</p> <p>7 = Pendant mounting</p> <p>For HID Luminaires</p> <p>A = Short distance Ignitor suitable for SV only</p> <p>B = Long distance Ignitor suitable for SV/MH</p> <p>C = Super Imposed Ignitor suitable for SV/MH</p> <p>D = Short distance Ignitor suitable for SV/MH</p> <p>For Fixture Fitted With Lamp</p> <p>3 = 2700K</p> <p>4 = 4000K</p> <p>5 = 5000K</p> <p>6 = 6500K</p> </div> <div> <p>FTL/ FPL OCB</p> <p>07 = 230V, 18/20W FTL/FPL OCB</p> <p>09 = 230V, 36/40W FTL/FPL OCB</p> <p>11 = 240V, 36/40W FTL/FPL OCB</p> <p>15 = 240V, 18/20W FTL/FPL OCB</p> <p>CFL OCB</p> <p>17 = 7/9/11W CFL OCB</p> <p>18 = 13W CFL OCB</p> <p>20 = 18W CFL OCB</p> <p>21 = 26W CFL OCB</p> <p>Electronic Ballasts</p> <p>26 = 1X36/40W FTL EB THD<33%</p> <p>27 = 2X36/40W FTL EB THD<33%</p> <p>32 = 1X28W T5 FTL EB THD<33%</p> <p>33 = 2X28W T5 FTL EB THD<33%</p> <p>28 = 1X36/40W FTL DB THD 10%</p> <p>29 = 2X36/40W FTL DB THD<10%</p> <p>50 = 1X28W T5 FTL DB THD<10%</p> <p>51 = 2X28W T5 FTL DB THD<10%</p> </div> </div>								
Specification Variables				Ordering Code				
Non Category louvres, Normal EM Ballast				LHCCN1336111				
Non Category louvres, 6.0W EM Ballast				LHCCN1336113				
L1 Category Louvres, 6.0W EM Ballast				LHCCB1336113				
L2 Category louvres, HF individual Ballast < 33%				LHCCC1336126				
L2 Category louvres, HF individual Ballast < 10%				LHCCC1336128				

To Choose from Commercial range mirror optic AS series 36W with multiple variables.

Guide to Symbols

	Wide Beam		Domestic Places
	Symmetric Wide Beam		Schools/ Public Building
	Symmetric Narrow Beam		Stadium
	Updown Lighter		Major Roads
	Assymmetric Wall Washer		Local Roads
	Small Office		Toll Areas
	Auditorium		Retro CFL
	Cini Hall		GLS
	Book Shop		MHDE Lamp
	Departmental Store		MHSET
	Factories		SON T
	Super Market		Elliptical Lamp
	Hotel/ Restaurants		G12
	Shipyards		CFL 4 Pin
	Parks		CFL 2 Pin
	Classical & Modern Building		FTL
	Market Places		Halogen Lamp

LED Lighting



LED Tunnel Tek L 56



Exclusive innovative tunnel light with 4 LED panels of 14x1W High brightness CREE LED chips.

Specification

Housing & Finish

Extruded aluminium housing in silver finish with elegantly designed heat sink for efficient heat dissipation.

Cover

High quality toughened glass.

Electronic driver

Powered by a separate electronic driver (SMPS based constant voltage supply) THD less than or equal to 33%.

Mounting

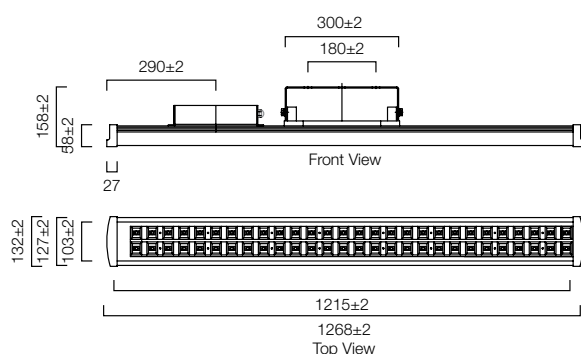
With the help of a flexible mounting bracket system provided as standard.

Benefits

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination
- Extraordinary long life of LED's (upto 50,000 burning hours) & long lasting LED driver (upto 35,000 burning hours) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI >75
- Significantly lower running cost as compared to conventional tunnel lighting systems

Applications

Road tunnel lighting
Railway tunnel lighting
Industrial tunnel lighting
Under pass lighting



All dimensions are in mm

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.°K	Lumen Output (lm)
LHTD01156674	56x1W LED 6K	240	0.320	≥0.90	6K	5300



LED Tunnel Tek S 56



Exclusive innovative tunnel light with 4 LED panels of 14x1W High brightness CREE LED chips.

Specification

Housing & Finish

Extruded aluminium housing in silver finish with elegantly designed heat sink for efficient heat dissipation.

Cover

High quality toughened glass.

Electronic driver

Powered by a separate electronic driver (SMPS based constant voltage supply) THD less than or equal to 33%.

Mounting

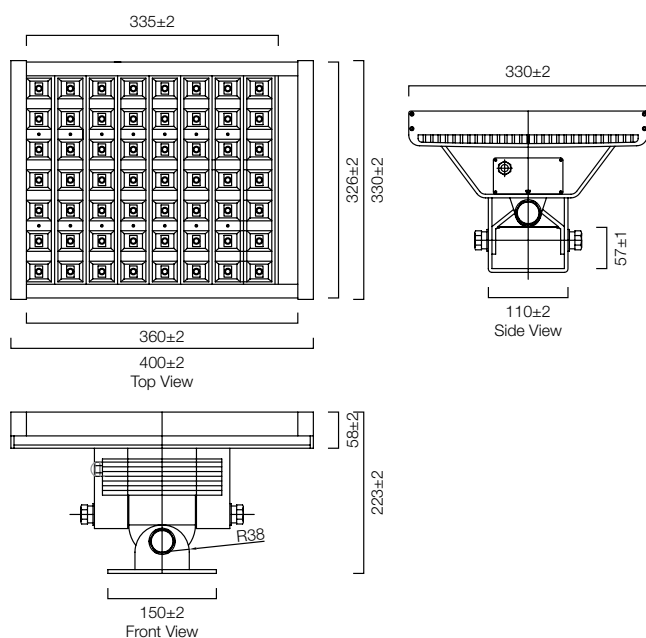
With the help of a flexible bidirectional mounting bracket system provided as standard.

Benefits

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination
- Extraordinary long life of LED's (upto 50,000 burning hours) & long lasting LED driver (upto 35,000 burning hours) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI >75
- Significantly lower running cost as compared to conventional tunnel lighting systems

Applications

Road tunnel lighting
Railway tunnel lighting
Industrial tunnel lighting
Under pass lighting



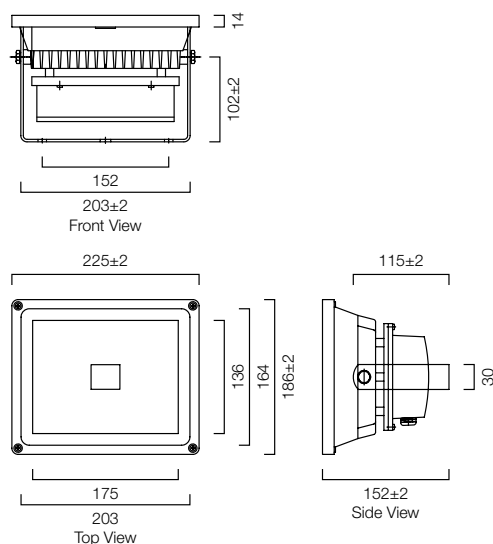
All dimensions are in mm

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.°K	Lumen Output (lm)
LHTD02156674	56x1W LED 6K	240	0.320	≥0.90	6K	5300



LED
Lighting

Jeta 30 LED



All dimensions are in mm

Exclusive innovative flood light with 30W high power LED as light source.

Specification

Housing & Finish

Die cast aluminium housing in grey finish with elegantly designed extruded aluminium heat sink for efficient heat dissipation.

Cover

High quality toughened glass.

Optics

Reflector made up of high purity matt finish anodized aluminium sheet.

Electronic driver

Powered by an in built electronic driver (SMPS based constant voltage supply) THD less than or equal to 33%.

Mounting

Wall or surface mounting using bracket.

Benefits

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even
- Extraordinary long life of LED's (upto 50,000 burning hours) & long lasting LED driver (upto 35,000 burning hours) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI >75
- Significantly lower running cost as compared to conventional tunnel lighting systems

Applications

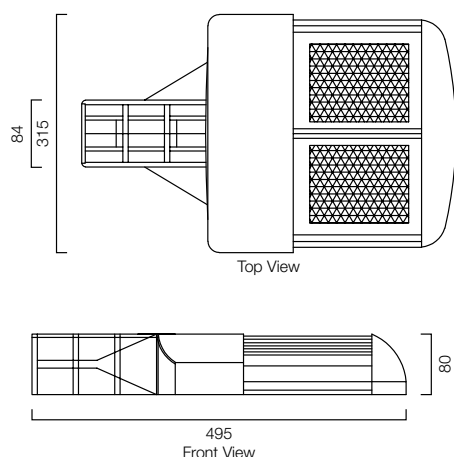
Sign boards
Building & monuments
Bill board
Shop board

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.°K	Lumen Output (lm)
LHFD01130674	1x30W LED 6K	240	0.140	≥0.95	6K	2850



LED
Lighting

Endura City Liner S60



Environmental friendly long life Versatile pressure die-cast and extruded aluminium roadway luminaire with 2 panel of 30x1W high power LED of CREE as light source.

Specification

Housing

Pressure die-cast aluminium alloy LM24 for housing gear and extruded aluminium lamp housing (heat sink) for better heat transmission.

Lamp

High efficiency long life CREE LED chip in modules of 30W each (6x5 array) with Ra>75 and lumen efficacy of >95 lum/watt.

Finish

Epoxy powder coated siemens grey after phosphochromate treatment.

Optics

Spread - (Beam angle along the driveway) - 120°

Throw - (Beam angle across the driveway) - 60°

Beam pattern - Asymmetrical batwing

Control gear

In built electronic driver with APFC & THD >15%.

Mounting & Maintenance

Suitable for pole mounting with bracket arm OD of 50mm (max).

Recommended mounting height with suitable inground reinforcement is 5-6 mtr.

Applications

City road lighting

Shopping centers perimeter lighting

City lighting renovation/ up gradation project

Prestigious/ heritage area outdoor lighting

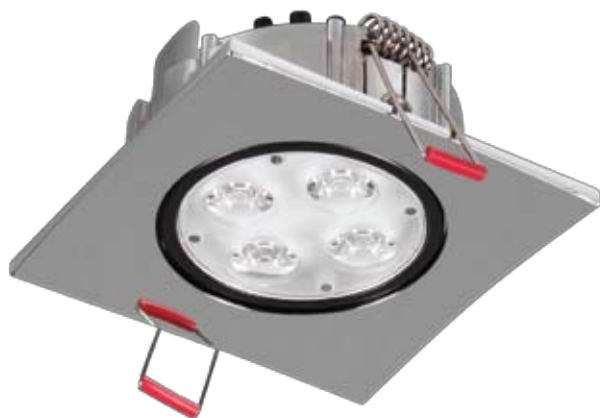
All dimensions are in mm

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.°K	Lumen Output (lm)
LHRD01230674	30x2x1W LED	240	0.330	≥0.90	6K	5700



LED
Lighting

Endura Lite SQ Swivel



Premium range soft optics, LED grid fixture suitable for armstrong/ gypsum board/ POP ceiling.

Specification

Housing & Finish

Cast Al. fitting plate in frosted silver finish in square profile, complete with extruded Al. heat sink for efficient heat dissipation.

Optics

High quality polycarbonate lense with 25° spread for comfortable lighting.

Electronic driver

Powered by a separate electronic driver (SMPS based constant current supply) with provision for Leading Edge dimming.

Benefits

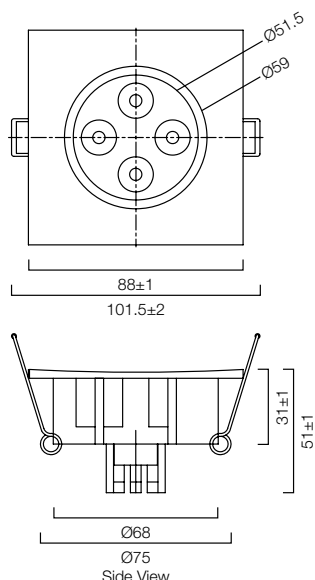
- High efficacy & lower power consumption
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI > 75

Mounting

Fixing into false ceiling by means of 2 nos. SS springs/ clips provided as per instructions.

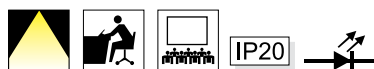
Applications

BPO
Meeting room
Corporate offices
Modern hospitals
Modern work spaces
Software development centers



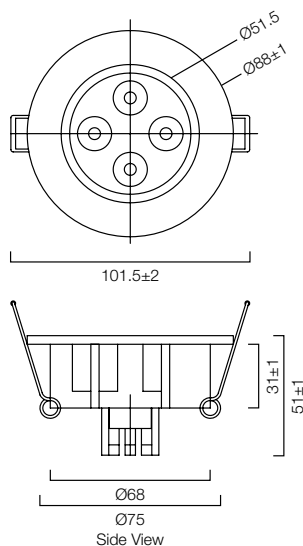
Cutout size : Ø80 mm
All dimensions are in mm

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.°K
LHOD02403374	4x3W LED 3K	240	0.090	≥0.55	3K
LHOD02403674	4x3W LED 6K	240	0.090	≥0.55	6K



LED
Lighting

Endura Lite RD Swivel



Cutout size : Ø80 mm
All dimensions are in mm

Premium range soft optics, LED grid fixture suitable for gypsum board/ POP ceiling.

Specification

Housing & Finish

Cast Al. fitting plate in frosted silver finish in round profile, complete with extruded Al. heat sink for efficient heat dissipation.

Optics

High quality polycarbonate lense with 25° spread for comfortable lighting.

Electronic driver

Powered by a separate electronic driver (SMPS based constant current supply) with provision for Leading Edge dimming.

Benefits

- High efficacy & lower power consumption
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI of upto 75

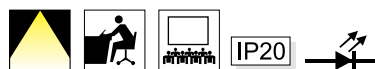
Mounting

Fixing into false ceiling by means of 2 nos. SS springs/ clips provided as per instructions.

Applications

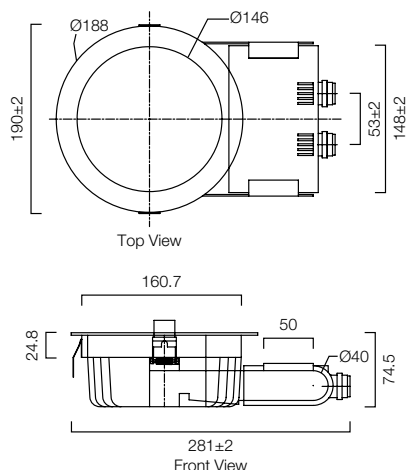
BPO
Meeting room
Corporate offices
Modern hospitals
Modern work spaces
Software development centers

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.*K
LHOD01403374	4x3W LED 3K	240	0.090	≥0.55	3K
LHOD01403674	4x3W LED 6K	240	0.090	≥0.55	6K



LED
Lighting

Endura DL 16W



Cutout size : 178 mm
All dimensions are in mm

Ultra bright compact dimmable downlighter with 16x1W high brightness CREE LED chips, Ideally suited for high ceiling areas to give glare free light.

Specification

Housing & Finish

MS powder coated white after phosphochromate treatment
Off – white finish with elegantly designed extruded Aluminium heat sink for efficient heat dissipation.

Diffuser

High quality polycarbonate diffuser in milky white finish for glare free uniform light distribution.

Electronic driver

Powered by a separate electronic driver (SMPS based constant current supply) with provision for Leading Edge dimming. THD≤15%.

Benefits

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even in high ceiling areas
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI > 75

Mounting

Fixing into false ceiling by means of 2 nos. SS springs/ clips provided as per instructions.

Applications

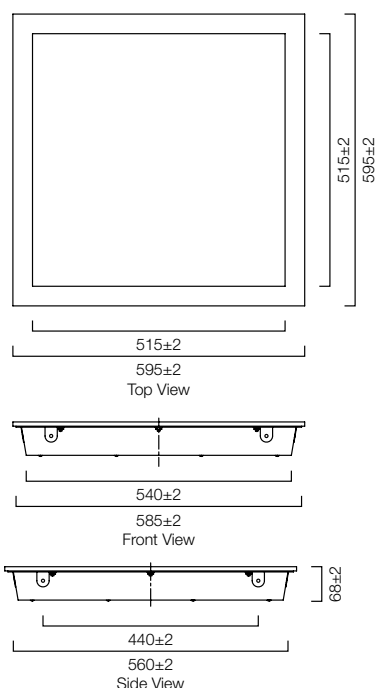
Shopping malls
Restaurants
Hotel lobbies / Waiting areas
Modern gyms / Spa
Corporate offices

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.*K	Lumen Output (lm)
LHOD05016374	16W LED 3K	240	0.070	≥0.98	3K	650
LHOD05016674	16W LED 6K	240	0.070	≥0.98	6K	650



LED
Lighting

Endura Flat Panel



Cutout size : 580 x 580
All dimensions are in mm

Ultra modern 48w recess mounting luminaire with 4x12W LED panels each comprising of 121 high brightness SMD CREE LED chips. Suitable for POP / Gypsum Board ceiling.

Specification

Housing & Finish

MS powder coated white after phosphochromate treatment.

Diffuser

High quality polycarbonate diffuser for glare free uniform light distribution.

Electronic driver

Powered by a separate electronic driver (SMPS based constant current supply) with THD <15%.

Benefits

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even in high ceiling areas
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI > 75

Mounting

Knock out provision for suspension through Ø19mm conduit for traditional mounting.

Applications

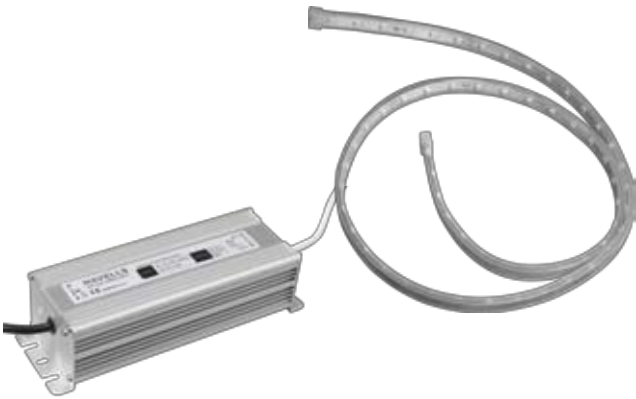
Airport lounges
Corporate offices
Banks & ATM outlets
Software development centers
Modern work spaces
Hospital premises

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.*K	Lumen Output (lm)
LHCD01048374	48W LED 3K	240	0.265	≥0.95	3K	2000
LHCD01048674	48W LED 6K	240	0.265	≥0.95	6K	1900



LED
Lighting

Endura Lite LED Flexi Strip 5M



Flexible LED strip use 300 nos. CREE high brightness SMD LED as the light source.

Specification

Housing

Silicon Tube: 5000mm x 10.8mm x 4.8mm, transparent

PCB: FPC, Dual layers, white solder mask. 505mm x 8mm x 0.2mm

End cap: silicon materials

Cable: Dual wires: red and black color

Clips provided for mounting the strip

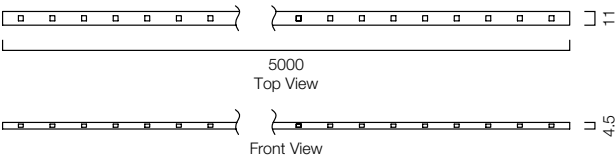
Benefits

- Low profile
- Shape for different requirements
- Light weight
- Longevity Lifespan
- Rugged Durability
- Safety input voltage for LED module
- No mercury and other hazardous materials
- RoHS compliant
- Good cosmetic
- Cut each unit(6pc LEDs)
- CEapproved
- Color available: Cool Day Light, Natural Day Light

* To be used with seperate replaceable HF electronic driver.

Applications

- Cove lighting
- Airport lounges
- Banks & ATM outlets
- Boundary decoration
- Modern work spaces
- Software development centres



All dimensions are in mm

Ordering Code	Lamp Type	Nominal Voltage (V)	Mains Current (A)	Power Factor*	Colour Temp.*K
LHKD01005374	24W LED 3K	240	0.350	≥0.55	3K
LHKD01005674	24W LED 6K	240	0.350	≥0.55	6K

