

Specification for 400W Industrial Highbay Luminaire and lamp

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Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	Supply of High Performance, Integral, Industrial, High Bay, open version Luminaire with control gear box, reflector and lamp as specified below:			
1.0	Luminaire Suitability	Suitable for operation with 400 Watts High Pressure Sodium Vapour lamp		
1.1	Housing	Made out of die cast aluminium and powder coated in black		
1.2	Reflector construction	Parabolic, anodized and electrochemically brightened and made of aluminium		
1.3	Reflector suitability	Reflector suitable for wide beam application		
1.4	Input Power supply	240V, 1 phase, 50 Hz.. A.C		
1.5	Control Gear	Control gear shall comprise of Copper wound ballast, power factor improvement capacitor, mains connector and electronic ignitor		
1.6	Safety chain	Safety chain to be provided in the fitting		
1.7	Access for Maintenance	Access to gear compartment shall be provided to facilitate easy maintenance, replacement and connection		
1.8	Dimensional details and net weight	Vendor to specify		
1.9	Nominal Power factor, mains current	Vendor to specify		
1.10	Technical cataalogue/ drawing	Vendor to furnish with the offer		

Specification for 250W Industrial Highbay Luminaire and lamp

Specification for 250W Industrial Highbay Luminaire and lamp				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	Supply of High Performance, Integral, Industrial, High Bay, open version Luminaire with control gear box, reflector and lamp as specified below:			
1.0	Luminaire Suitability	Suitable for operation with 250 Watts High Pressure Sodium Vapour lamp		
1.1	Housing	Made out of die cast aluminium and powder coated in black		
1.2	Reflector construction	Parabolic, anodized and electrochemically brightened and made of aluminium		
1.3	Reflector suitability	Reflector suitable for wide beam application		
1.4	Input Power supply	240V, 1 phase, 50 Hz.. A.C		
1.5	Control Gear	Control gear shall comprise of Copper wound ballast, power factor improvement capacitor, mains connector and electronic ignitor		
1.6	Safety chain	Safety chain to be provided in the fitting		
1.7	Access for Maintenance	Access to gear compartment shall be provided to facilitate easy maintenance, replacement and connection		
1.8	Dimensional details and net weight	Vendor to specify		
1.9	Nominal Power factor, mains current	Vendor to specify		
1.10	Technical catalogue/ drawing	Vendor to furnish with the offer		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
2.0	Specification for lamp	High Pressure sodium vapour 250 Watts, elliptical version, suitable for 240V, 50Hz, 1 phase supply with screw cap		
3.0	Make of the luminaire/ lamp	Reputed Make		
3.1	Type no. /Make	Vendor to specify		
4.0	Conformance to IS or IEC standard	Vendor to specify		
5.0	Scope of supply	Quantity		
5.1	250W High Bay luminaire as specified above	500 nos.		
5.2	250W HPSV lamp as specified above	500 nos.		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
2.0	Specification for lamp	High Pressure sodium vapour 400 Watts, elliptical version, suitable for 240V, 50Hz, 1 phase supply with screw cap		
3.0	Make of the luminaire/ lamp	Reputed Make		
3.1	Type no. /Make	Vendor to specify		
4.0	Conformance to IS or IEC standard	Vendor to specify		
5.0	Scope of supply	Quantity		
5.1	400W High Bay luminaire as specified above	100 nos.		
5.2	400W HPSV lamp as specified above	100 nos.		

Specification for 150W Road Lighting Luminaire and lamp				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	Supply of Integral, Road Lighting Luminaire with control gear box, reflector and lamp as specified below:			
1.0	Luminaire Suitability	Suitable for operation with 150 Watts High Pressure Sodium Vapour lamp		
1.1	Housing	Made out of die cast aluminum and out side powder coated in gray colour. Provided with High quality felt gasket impregnated with insecticide and water replant chemical along the periphery.		
1.2	Reflector construction	High purity aluminum reflector electro chemically brightened and anodized.		
1.3	Input Power supply	240V, 1 phase, 50 Hz. A.C		
1.4	Control Gear	Control gear shall comprise of Copper wound ballast, power factor improvement capacitor, mains connector and electronic ignitor on a easily detachable gear plate.		
1.5	Protection	Conformance to IP54 Protection for lamp and gear compartment.		
1.6	Provision for Installation	Pole entry through U clamps suitable for pole diameter of max. 60mm.		

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
1.7	Access for Maintenance	Access to gear compartment shall be provided to facilitate easy maintenance, replacement and connection		
1.8	Dimensional details and net weight	Vendor to specify		
1.9	Nominal Power factor, mains current	Vendor to specify		
1.10	Technical cataalogue/ drawing	Vendor to furnish with the offer		
2.0	Specification for lamp	High Pressure sodium vapour 150 Watts, elliptical version, suitable for 240V, 50Hz, 1 phase supply with screw cap		
3.0	Make of the luminaire/ lamp	Reputed make		
3.1	Type no./Make	Vendor to specify		
4.0	Conformance to IS or IEC standard	Vendor to specify		
5.0	Scope of supply	Quantity		
5.1	150W Road light luminaire as specified above	25 nos.		
5.2	150W HPSV lamp as specified above	25 nos.		

Specification for 1x36W Fluorescent Luminaire and lamp				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	Supply of General Purpose batten type 1x36W Fluorescent lamp fitting suitable for surface mounting on the wall or ceiling with lamp as specified below:			
1.0	Luminaire Suitability	Suitable for operation with 1x36 Watts TL 'D' fluorescent lamp		
1.1	Housing	The Channel made out of MS CRCA sheet steel, powder coated gray and cover plate with MS CRCA powder coated with white colour and fully wired upto the terminal.		
1.2	Ballast	Fitting shall be provided with High Frequency electronic ballast		
1.3	Input Power supply	240V, 1 phase, 50 Hz. A.C		
1.4	Dimensional details and net weight	Vendor to specify		
1.5	Nominal Power factor, mains current	Vendor to specify		
1.6	Technical cataalogue/ drawing	Vendor to furnish with the offer		
2.0	Specification for lamp	36 Watts, TL'D' Fluorescent lamp suitable for operation on 240V, 1 phase a.c. supply.		
3.0	Make of the luminaire/ lamp	Reputed make		
3.1	Type No./Make	Vendor to specify		
4.0	Conformance to IS or IEC standard	Vendor to specify		
5.0	Scope of supply	Quantity		
5.1	1X36W batten type luminaire as specified above	40 nos.		
5.2	36W Fluorescent lamp as specified above	40 nos.		

Specification for 2x28W Fluorescent Luminaire and lamp				
Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
	Supply of General Purpose batten type 2x28W Fluorescent lamp fitting suitable for surface mounting on the wall or ceiling with lamp as specified below:			
1.0	Luminaire Suitability	Suitable for operation with 2x28 Watts T5 fluorescent lamp		
1.1	Housing	The Channel made out of MS CRCA sheet steel, powder coated gray and cover plate with MS CRCA powder coated with white colour and fully wired upto the terminal.		
1.2	Ballast	Fitting shall be provided with High Frequency electronic ballast suitable for T5 lamps		
1.3	Input Power supply	240V, 1 phase, 50 Hz. A.C		
1.4	Dimensional details and net weight	Vendor to specify		
1.5	Nominal Power factor, mains current	Vendor to specify		
1.60	Technical cataalogue/ drawing	Vendor to furnish with the offer		
2.0	Specification for lamp	28 Watts, T5 Fluorescent lamp suitable for operation on 240V, 1 phase, a.c. supply.		
3.0	Make of the luminaire/ lamp	Reputed make		
3.1	Type No./Make	Vendor to specify		
4.0	Conformance to IS or IEC standard	Vendor to specify		
5.0	Scope of supply	Quantity		
5.1	2X28W batten type luminaire as specified above	170 nos.		
5.2	28W, T5 Fluorescent lamp as specified above	340 nos.		