Name of Work :- Fabrication & installation of customized Lighting Fixtures of Sri Darbar Sahib - Amritsar

Estimated Cost :- 39,65,000/-

Earnest Money :- 79,300/-

_	Earnest Money :- 79,300/-				
	Fime Limit :- 60 Days				
r.No	Description	Qty	Units	Rate	Amount
t	Supply Installation, Testing & commissioning of linear LED fixture of customised lengths (in existing eak wood moulding). the fixture must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80,M79 standards and should be as per followings specifications:-	76	meters		
F	Length: customized as per site  Physical size Width: not greater then 10mm				
Ī	Height :- not greater then 10mm .uminance :- 600-800 lumens per meter				
(	Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
1	Maximum Power Not exceeding more than 10 watts / meter				
(	CCT :- 2700K CRI > 85				
_	Binning :- +/- 150K Max				
E	Beam Angle :- 60 degree (Asymmetric Beam )				
	R value > 780nm  JV value < 380				
	emperature rise in enclosed environment ( teakwood moulding) not greater than 20 degree centigrade ifetime: 50,000 hours @ L80				
	Analog Dimmable				
	Power Supplies For Above	8	nos		
_	Rated for minimum 120Watts each				
	Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2%				
Ī	P Rating: IP20 rated				
_	Protection class: Class II only				<u> </u>
	Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065				
Г	ifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
L	<u> </u>				
	Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c				
	Efficiency: Greater than 85%				
	nrush current : Ipeak = 20A / I²t = 0.08A²s				
e t	Supply Installation, Testing & commissioning of linear LED fixture of customized lengths (IP 67,UV protected, saltwater resistant, solvent resistant) must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards and should be as per followings specifications:  Length: 640mm	4	nos		
F	Physical size Width :- not greater then 25mm				
1	Height :- not greater then 25mm .uminance :- 1000-1200 lumens				
	Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
	Maximum power Not exceeding more then 20 watts				
(	CCT :- 2700K				
	Ra :- CRI > 85 Binning :- +/- 75K Max				
_	Beam Angle :- 60 degree				
	symmetric Beam				
_	R value > 780nm  JV value < 380				
_	Emperature rise not greater than 20 degrees centigrade				
[	Dimmable :- Non Dimmable				
	Power Supplies For Above	2	nos		
	Rated for minimum 50Watts each				
_	Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2%				
	P Rating: IP20 rated				
	Protection class: Class II only				
	Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065				1
	ifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
	Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm				
_	Power factor: > 0.5c				
	Efficiency : Greater than 85% nrush current : Ipeak = 20A / I²t = 0.08A²s				
	Supply Installation, Testing & commissioning of linear LED fixture of customised lengths, the fixture				
r	nust comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as per followings specifications :-	12	meters		

i	,				
	Physical size Width :- not greater then 10mm				
	Height :- not greater then 20mm				
	Luminance:- 600-800 lumens per meter				
	Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
3	Maximum power Not exceeding more then 10 watts /meter				
	CCT :- 2700K				
	Ra :- CRI > 85 Binning :- +/- 75K Max				
	Beam Angle :- 10 degree				
	optics :- Grazing /Asymmetric				
	IR value > 780nm				
	UV value < 380				
	Temperature rise not greater than 20 degrees centigrade				
	Lifetime: 50,000 hours @ L80				
	Dimmable :- Analog Dimmable				
	Power Supplies For Above	3	nos		
	**				
	Rated for minimum 50Watts each				
	Out voltage: Constant voltage, 24 V DC				
	Out voltage tolerance: +/- 2%				
	IP Rating: IP20 rated				
	Protection class: Class II only				
	Overload & short circuit protection: mandatory			1	
3.A	Safety standard: EN 61347-1, SELV equivalent according to EN 60065			<u> </u>	
	Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation			1	
	Down footor: > 0 Fo			<u> </u>	
	Power factor : > 0.5c Efficiency : Greater than 85%			1	
	Inrush current : Ipeak = 20A / I²t = 0.08A²s				
<del>                                     </del>	Supply Installation, Testing & commissioning of a customize LED Fixture, the shape & size of the				
	fixture is as per drawing no.GT0201. The fixture is to be installed on top of the fan as shown in GT0202				
	& optics of the fixture is to be so designed to avoid stroboscopic effect in the environment, and				
	illustration of this is shown in drawing no GT0203. The fixture shall be IP40 & shall be in Golden Finish	18	nos		
	and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards and should be				
	as per followings specifications :-				
	Physical size As per GT0201				
	Luminance :- 1200-1500 lumens				
١,	Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
4	Not exceeding 16-18 watts				
	CCT :- 2700K				
	CCT :- 2700K Ra :- CRI > 85				
	Ra :- CRI > 85 Binning :- +/- 75K Max				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80	18	nos		
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable Power Supplies For Above	18	nos		
	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each	18	nos		
	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:-Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC	18	nos		
	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2%	18	nos		
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated	18	nos		
	Ra:- CRI > 85 Binning:- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only	18	nos		
	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory	18	nos		
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065	18	nos		
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory	18	nos		
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4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:-Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Greater than 85%	18	nos		
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above  Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Greater than 85% Inrush current: Ipeak = 20A / I²t = 0.08A²s	18	nos		
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:-Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Greater than 85%	18	nos		
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4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:-Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Greater than 85% Inrush current:   peak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing	18	nos		
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Greater than 85% Inrush current: Ipeak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in				
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380  Temperature rise not greater than 20 degrees centigrade  Lifetime: 50,000 hours @ L80  Dimmable:- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each  Out voltage: Constant voltage, 24 V DC  Out voltage tolerance: +/- 2%  IP Rating: IP20 rated  Protection class: Class II only  Overload & short circuit protection: mandatory  Safety standard: EN 61347-1, SELV equivalent according to EN 60065  Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor: > 0.5c  Efficiency: Greater than 85%  Inrush current: Ipeak = 20A / I²t = 0.08A²s  Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC				
4.A	Ra:-CRI > 85 Binning:- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380  Temperature rise not greater than 20 degrees centigrade  Lifetime: 50,000 hours @ L80  Dimmable:- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each  Out voltage: Constant voltage, 24 V DC  Out voltage tolerance: +/- 2%  IP Rating: IP20 rated  Protection class: Class II only  Overload & short circuit protection: mandatory  Safety standard: EN 61347-1, SELV equivalent according to EN 60065  Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor: > 0.5c  Efficiency: Greater than 85%  Inrush current: Ipeak = 20A / I²t = 0.08A²s  Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards as per Given detail Drawing and following specifications				
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each  Out voltage: Constant voltage, 24 V DC  Out voltage tolerance: +/- 2%  IP Rating: IP20 rated  Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065  Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor: > 0.5c  Efficiency: Greater than 85%  Inrush current: Ipeak = 20A / I²t = 0.08A²s  Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards as per Given detail Drawing and following				
4.A	Ra:-CRI > 85 Binning: +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable: Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Greater than 85% Inrush current: Ipeak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications Physical size As per GT0204				
4.A	Ra:-CRI > 85 Binning:-+/-75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203 IR value > 780nm UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable:- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage: Constant voltage, 24 V DC Out voltage tolerance:+/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor:> 0.5c Efficiency: Greater than 85% Inrush current: Ipeak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards as per Given detail Drawing and following snecifications Physical size As per GT0204 Luminance:- as suggested in GT0205				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor :> 0.5c Efficiency : Greater than 85% Inrush current : Ipeak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards as per Given detail Drawing and following specifications.  Physical size  As per GT0204  Luminance :- as suggested in GT0205 Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
4.A	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2%  IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor : > 0.5c Efficiency: Greater than 85% Inrush current: Ipeak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards as per Given detail Drawing and following specifications.  Physical size  As per GT0204  Luminance: as suggested in GT0205 Operating voltage: 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> ) Not exceeding 16-18 watts				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380  Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each  Out voltage: Constant voltage, 24 V DC  Out voltage tolerance: +/- 2%  IP Rating: IP20 rated  Protection class: Class II only  Overload & short circuit protection: mandatory  Safety standard: EN 61347-1, SELV equivalent according to EN 60065  Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor : > 0.5c  Efficiency: Greater than 85%  Inrush current: Ipeak = 20A / IPt = 0.08APs  Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.  Physical size As per GT0204  Luminance: as suggested in GT0205  Operating voltage: -24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )  Not exceeding 16-18 watts  CCT:-2700K				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380 Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable Power Supplies For Above Rated for minimum 20Watts each Out voltage: Constant voltage, 24 V DC Out voltage: Constant voltage, 24 V DC Ut voltage tolerance: +/- 2% IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor :> 0.5c Efficiency: Greater than 85% Inrush current: Ipeak = 20A / I²t = 0.08A²s Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no. GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards as per Given detail Drawing and following specifications Physical size				
	Ra :- CRI > 85 Binning :- +/- 75K Max Beam Angle & optics as per the lighting distribution suggested in GT0203  IR value > 780nm  UV value < 380  Temperature rise not greater than 20 degrees centigrade Lifetime: 50,000 hours @ L80 Dimmable :- Non Dimmable  Power Supplies For Above  Rated for minimum 20Watts each  Out voltage: Constant voltage, 24 V DC  Out voltage tolerance: +/- 2%  IP Rating: IP20 rated  Protection class: Class II only  Overload & short circuit protection: mandatory  Safety standard: EN 61347-1, SELV equivalent according to EN 60065  Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation  Power factor : > 0.5c  Efficiency: Greater than 85%  Inrush current: Ipeak = 20A / IPt = 0.08APs  Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.  Physical size As per GT0204  Luminance: as suggested in GT0205  Operating voltage: -24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )  Not exceeding 16-18 watts  CCT:-2700K				

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	Optics :- As suggested in GT0205				
	IR value > 780nm				
	UV value < 380				
	Temperature rise not greater than 20 degrees centigrade				
	Lifetime: 50,000 hours @ L80				
	Dimmable :- Analog Dimmable				
	Power Supplies For Above	40			
	rower Supplies For Above	12	nos		
	Rated for minimum 120Watts each				
	Out voltage: Constant voltage, 24 V DC				
	Out voltage: oblistant voltage, 24 v Bo				
	IP Rating: IP20 rated				
	Protection class: Class II only				
	Overload & short circuit protection: mandatory				
	Safety standard: EN 61347-1, SELV equivalent according to EN 60065				
	Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
	Power factor : > 0.5c				
	Efficiency: Greater than 85%				
	Inrush current: Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s				
	Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with				
	downward lighting component. The shape & the size of the fixture is as per drawing GT0206. The	40			
	suggested optics of the fixture are shown in drawing no.GT0207. The fixture shall be in golden finish to	18	nos		
	match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN				
	62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications				
	Physical size As per GT0206				
	, in your size he per circles				
	Luminance :-1200-1400 lumens				
	operating voltage: - 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
6	, , , , , , , , , , , , , , , , , , , ,				
	Wattage :- 16-18 watts				
	CCT :- 2700K				
	Ra :- CRI > 85				
	Binning :- +/- 75K (single Bin )				
	Beam Angle :- Asymmetric Beam				
	Optics :- As per GT0207				
	IR value > 780nm				
	UV value < 380				
	Temperature rise not greater than 20 degrees centigrade				
	Lifetime: 50,000 hours @ L80				
	Dimmable :- Analog Dimmable				
	Power Supplies For Above	18	nos		
	Rated for minimum 20Watts each				
	Out voltage: Constant voltage, 24 V DC				
	Out voltage tolerance: +/- 2%				
	IP Rating: IP20 rated				
	Protection class: Class II only				
	Overload & short circuit protection: mandatory				
6.A	Safety standard: EN 61347-1, SELV equivalent according to EN 60065				
0.71	Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
	Power factor : > 0.5c				
	Efficiency : Greater than 85%			1	
	Inrush current : Ipeak = 20A / I²t = 0.08A²s				
	Total			1	
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