ADANI MUNDRA SOLAR PV LTD MSPL LIGHTING LAYOUT

Partner for Contact:

Order No.: Company: Customer No.:

Date: 21.10.2019

Operator: MADAN HEGDE



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GLASS STORAGE-1 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:1223

Surface	ρ [%]	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0
Workplane	1	205	121	222	0.588
Floor	20	203	124	219	0.610
Ceiling	70	41	34	51	0.835
Walls (4)	50	89	33	385	/

Workplane:

Height: 0.760 m

Grid: 128 x 128 Points

Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.425, Ceiling / Working Plane: 0.199.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	182	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0

Total: 1838436 Total: 1838200 18200.0

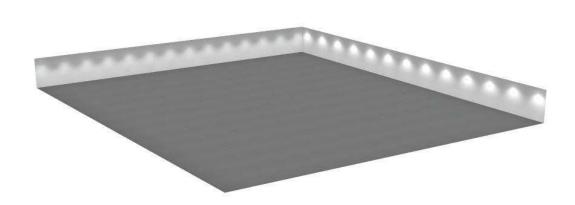
Specific connected load: 2.36 W/m² = 1.15 W/m²/100 lx (Ground area: 7696.38 m²)



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GLASS STORAGE-1 / 3D Rendering





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GLASS STORAGE-1 / Workplane / Value Chart (E)

95.23 m

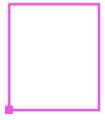
0.00

0.00 80.82 m

Values in Lux, Scale 1:745

Not all calculated values could be displayed.

Position of surface in room: Marked point: (80.698 m, 282.464 m, 0.760 m)



Grid: 128 x 128 Points

E_{av} [lx] 205 E_{min} [lx] 121 E_{max} [lx] 222

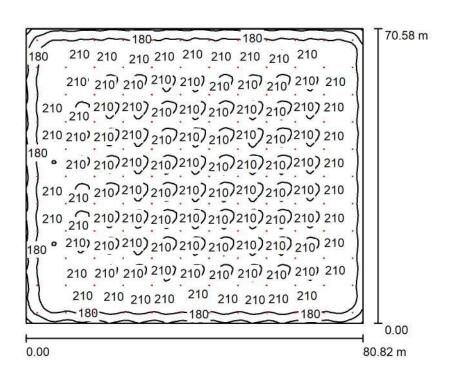
u0 0.588 E_{min} / E_{max} 0.544



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GLASS STORAGE-2 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80 Values in Lux, Scale 1:907

Surface	ρ [%]	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0
Workplane	1	200	109	222	0.544
Floor	20	199	112	218	0.565
Ceiling	70	39	30	42	0.770
Walls (4)	50	79	31	192	/

Workplane:

Height: 0.760 m

Grid: 128 x 128 Points

Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.397, Ceiling / Working Plane: 0.196.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	132	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0

Total: 1333371 Total: 1333200 13200.0

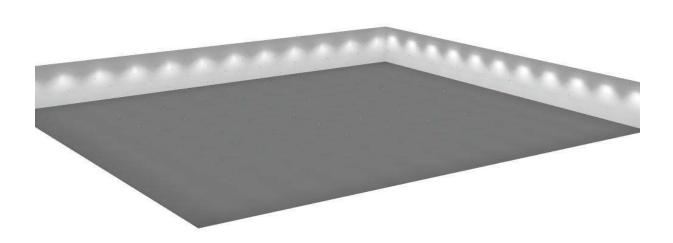
Specific connected load: 2.31 W/m² = 1.16 W/m²/100 lx (Ground area: 5704.18 m²)



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GLASS STORAGE-2 / 3D Rendering





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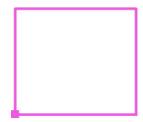
GLASS STORAGE-2 / Workplane / Value Chart (E)

70.58 m 154 179 186 187 186 188 183 185 184 186 185 189 189 188 189 185 186 181 185 182 181 |170 203 201 213 203 213 202 211 205 208 208 205 212 203 213 202 212 202 208 204 199 h67 198 200 208 200 207 200 204 201 203 204 202 210 201 209 201 205 200 203 201 194 h73 201 205 212 205 212 206 211 206 211 207 209 212 207 213 206 212 206 210 202 202 |171 203 203 213 204 212 203 209 206 207 210 207 214 206 213 204 211 204 208 206 199 h70 196 203 206 204 207 204 207 204 207 205 207 207 205 207 204 207 203 206 203 199 h72 208 204 214 205 215 205 212 207 210 210 208 215 206 216 205 213 206 210 204 201 169 197 202 207 203 207 204 207 206 207 205 206 209 203 209 204 207 203 206 202 197 173 208 204 216 205 218 206 215 208 212 213 209 218 207 219 206 217 207 212 209 202 170 201 204 212 203 210 203 207 204 206 207 206 214 205 212 204 208 204 206 204 197 h72 200 206 211 206 211 206 210 207 210 208 209 211 208 212 206 211 206 211 202 202 171 204 204 213 205 213 205 211 206 209 211 208 215 207 214 206 212 206 209 207 200 h68 196 204 205 204 207 203 207 203 207 205 208 208 206 207 204 207 202 204 202 198 h73 205 205 216 206 216 206 214 207 212 212 209 216 208 217 206 216 207 212 207 202 h69 199 201 208 203 209 203 207 207 206 206 205 211 203 211 203 207 203 206 203 197 174 205 205 215 205 216 206 214 208 211 215 209 217 207 215 206 215 206 212 208 202 171 202 203 212 203 211 203 208 205 207 208 206 214 205 213 204 209 204 207 205 197 171 199 204 209 204 208 204 209 205 208 207 208 209 206 210 204 209 204 208 204 200 173 204 204 213 205 214 204 211 207 209 210 208 215 207 215 205 212 206 209 207 200 |169 196 201 205 202 206 202 206 203 205 204 205 206 204 207 203 206 202 206 202 197 h72 204 203 216 204 215 204 214 210 210 211 207 215 206 216 204 215 205 211 207 200 h68 199 201 208 201 208 201 205 202 204 205 205 211 203 210 202 206 202 204 202 195 170 201 202 215 203 212 204 209 205 209 212 206 211 204 213 203 210 204 209 204 200 h62 195 193 203 193 204 194 200 196 199 201 197 204 194 204 194 202 194 198 197 190 137 162 160 170 160 171 161 168 163 166 168 164 170 161 171 161 170 161 165 164 159 0.00 0.00 80.82 m

Values in Lux, Scale 1:578

Not all calculated values could be displayed.

Position of surface in room: Marked point: (80.698 m, 211.884 m, 0.760 m)



Grid: 128 x 128 Points

E_{av} [lx] 200 E_{min} [lx] 109 E_{max} [lx] 222

u0 0.544 E_{min} / E_{max} 0.489

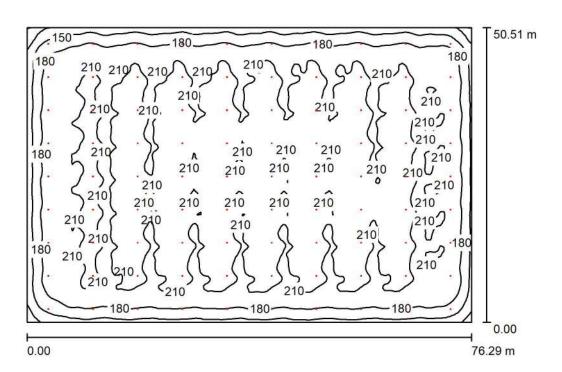


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RAW MATERIEAL / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:649

Surface	ρ [%]	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0
Workplane	1	200	89	223	0.445
Floor	20	198	94	224	0.475
Ceiling	70	38	27	42	0.694
Walls (4)	50	72	29	199	1

Workplane:

Height: 0.760 m

Grid: 128 x 128 Points

Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.356, Ceiling / Working Plane: 0.192.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Lumina	aire) [lm]	Φ (Lar	mps) [lm]	P [W]
1	90	Halonix 100W LED Bay Light CWL (1.000)		10101 10100		100.0	
			Total:	909117	Total:	909000	9000.0

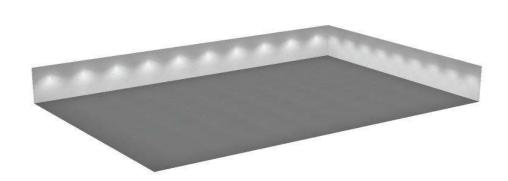
Specific connected load: 2.34 W/m² = 1.17 W/m²/100 lx (Ground area: 3853.06 m²)



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RAW MATERIEAL / 3D Rendering





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RAW MATERIEAL / Workplane / Value Chart (E)

50.51 m h32 162 172 174 173 179 175 183 173 183 170 183 170 179 171 177 173 174 177 171 165 159 188 203 201 205 206 208 209 205 210 200 210 198 211 199 208 201 206 202 203 192 160 195 205 209 209 213 213 215 210 216 206 217 206 213.206 210 208 208 210 206 198 |165 195 210 208 214 211 216 213 213 215 209 217 207 218 208 216 208 213 209 211 197 h62 196 207 210 212 215 215 217 212 217 209 216 208 213 207 212 209 210 211 208 198 166 196 211 209 216 213 217 214 215 217 210 218 208 219 209 217 210 215 210 213 198 162 196 208 210 213 215 216 218 213 219 210 216 209 213 207 212 209 212 211 210 199 166 196 211 209 216 213 218 215 216 217 210 218 208 219 210 217 210 215 210 213 198 162 195 208 209 214 215 217 219 214 219 211 215 209 214 208 213 208 212 211 210 199 167 197 211 210 216 214 218 216 216 218 214 219 208 220 210 218 211 215 211 213 198 162 195 208 210 214 215 217 219 214 219 211 215 209 213 207 212 207 212 210 211 199 167 197 211 210 215 214 218 216 215 218 210 220 208 220 210 218 211 214 211 212 199 162 194 208 209 213 214 216 218 214 216 210 214 208 213 206 212 207 211 209 210 199 166 197 209 209 213 213 216 215 214 218 208 220 207 220 209 217 211 213 210 210 199 160 193 207 207 212 213 214 216 213 215 209 213 206 212 205 210 205 210 208 209 198 164 196 207 208 210 211 212 213 210 215 205 217 204 217 208 214 209 210 209 207 197 152 180 194 190 198 195 200 197 198 199 195 199 192 199 191 198 190 197 191 195 181 125 147 155 155 158 157 158 159 157 161 155 163 154 163 157 162 157 158 158 156 147 0.00

0.00 76.29 m

Values in Lux, Scale 1:546

Not all calculated values could be displayed.

Position of surface in room: Marked point: (-146.700 m, 206.076 m, 0.760 m)



Grid: 128 x 128 Points

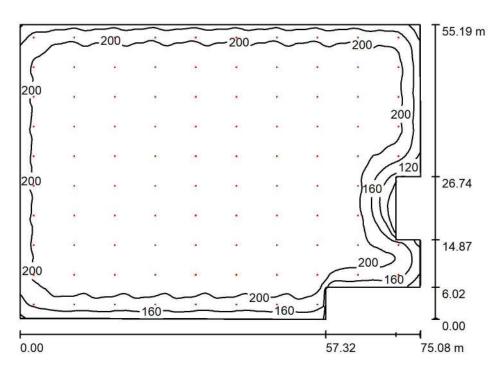
E_{av} [lx] 200 E_{min} [lx] 89 E_{max} [lx] 223 u0 0.445 E_{\min} / E_{\max} 0.400



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RAW MATERIEAL / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:709

Surface	ρ [%]	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0
Workplane	1	206	57	229	0.279
Floor	20	204	69	232	0.339
Ceiling	70	40	25	57	0.632
Walls (10)	50	76	27	1022	/

Workplane:

Height: 0.760 m

Grid: 128 x 128 Points

Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.358, Ceiling / Working Plane: 0.193.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Lumina	aire) [lm]	Φ (Lar	mps) [lm]	P [W]
1	96	Halonix 100W LED Bay Light CWL (1.000)	10101			10100	100.0
			Total:	969725	Total:	969600	9600.0

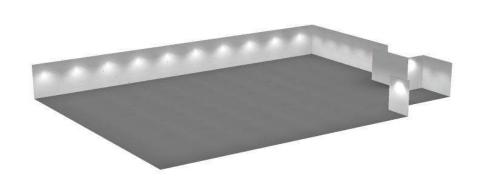
Specific connected load: 2.41 W/m² = 1.17 W/m²/100 lx (Ground area: 3975.23 m²)



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RAW MATERIEAL / 3D Rendering

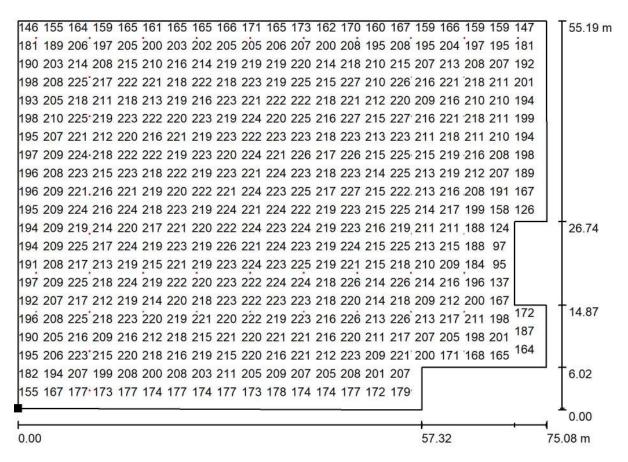




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RAW MATERIEAL / Workplane / Value Chart (E)



Values in Lux, Scale 1:537

Not all calculated values could be displayed.

Position of surface in room: Marked point: (-148.431 m, 320.958 m, 0.760 m)



Grid: 128 x 128 Points

 $E_{av}[lx]$ E_{min} [lx] $E_{max}[lx]$ E_{min} / E_{max} u0 206 0.279

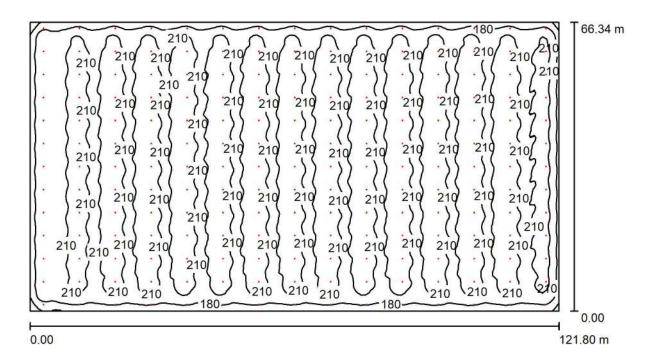
0.250



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MODULE LINE BAY-1 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:871

Surface	ρ [%]	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0
Workplane	1	209	127	229	0.607
Floor	20	207	126	223	0.606
Ceiling	70	41	35	57	0.843
Walls (4)	50	89	34	544	1

Workplane:

Height: 0.760 m

Grid: 128 x 128 Points

Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.421, Ceiling / Working Plane: 0.198.

Luminaire Parts List

No. Pieces Designation (Correction Factor) Φ (Luminaire) [lm] Φ (Lamps) [lm] P [W] 1 195 Halonix 100W LED Bay Light CWL (1.000) 10101 10100 100.0

Total: 1969753 Total: 1969500 19500.0

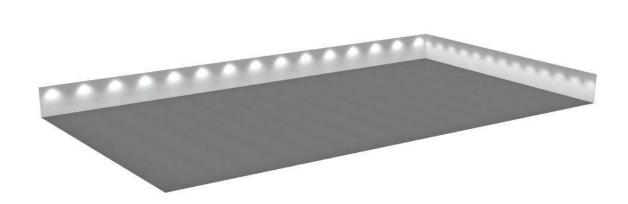
Specific connected load: 2.41 W/m² = 1.15 W/m²/100 lx (Ground area: 8080.21 m²)



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MODULE LINE BAY-1 / 3D Rendering

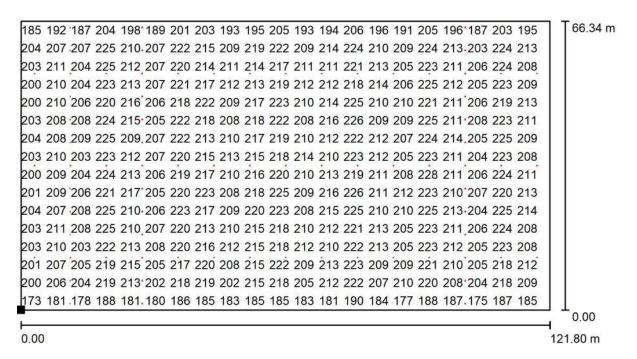




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MODULE LINE BAY-1 / Workplane / Value Chart (E)



Values in Lux, Scale 1:871

Not all calculated values could be displayed.

Position of surface in room: Marked point:

(-52.547 m, 222.043 m, 0.760 m)

Grid: 128 x 128 Points

E_{av} [lx]

E_{min} [lx] 127 E_{max} [lx] 229

u0 0.607 E_{\min} / E_{\max} 0.554

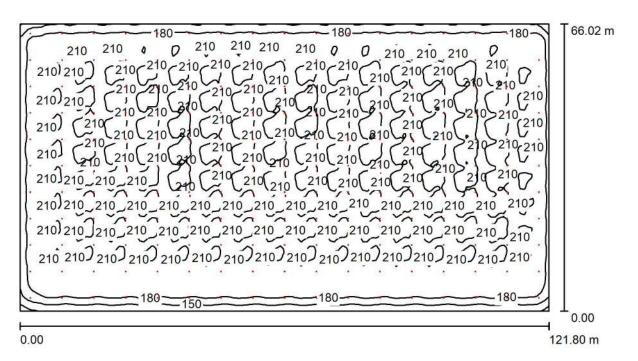


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MODULE LINE BAY-2 / Summary



Height of Room: 7.500 m, Mounting Height: 7.500 m, Light loss factor: 0.80

Values in Lux, Scale 1:871

Surface	ρ [%]	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0
Workplane	1	203	108	220	0.533
Floor	20	201	111	218	0.550
Ceiling	70	40	28	47	0.718
Walls (4)	50	80	31	226	1

Workplane:

Height: 0.760 m

Grid: 128 x 128 Points

Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.392, Ceiling / Working Plane: 0.196.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	187	Halonix 100W LED Bay Light CWL (1.000)	10101	10100	100.0

Total: 1888943 Total: 1888700 18700.0

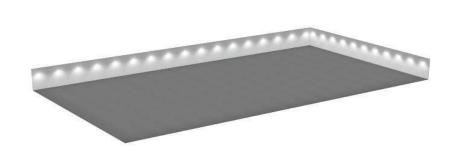
Specific connected load: 2.33 W/m² = 1.15 W/m²/100 lx (Ground area: 8041.62 m²)



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MODULE LINE BAY-2 / 3D Rendering

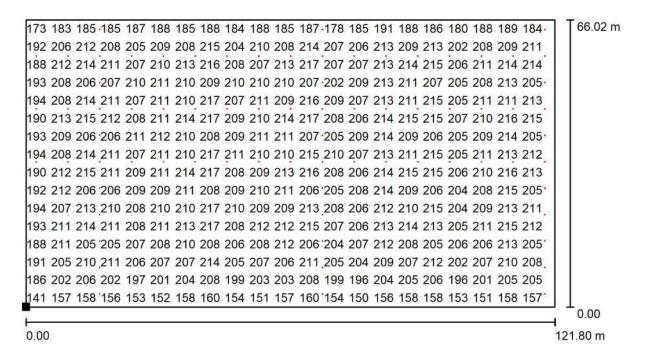




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MODULE LINE BAY-2 / Workplane / Value Chart (E)



Values in Lux, Scale 1:871

Not all calculated values could be displayed.

Position of surface in room: Marked point: (-52.547 m, 294.097 m, 0.760 m)



Grid: 128 x 128 Points

E_{av} [lx] 203

E_{min} [lx] 108 E_{max} [lx] 220

u0 0.533 E_{min} / E_{max} 0.492