

# Product Brief

## Intematix Commercial Lighting Module

The Intematix commercial lighting module is a simple and highly efficient plug and play solution that enables luminaire efficiencies of >130 lumens per Watt considering typical optical and driver efficiency losses. The module design supports end to end mounting, enabling unlimited lengths of white linear lighting. Capable of reliable operation at up to two times their nominal drive current, these modules are ideal for applications requiring extremely high lumen density and efficiency. Controlled to a 3 SDCM color tolerance these linear solutions deliver the color consistency necessary for successful luminaires and lighting installations.

Length options of 11, 22 and 44 inches reduce wiring and mounting operation steps and components, further reducing system costs. These modules are Zhaga compliant, enabling the use of off-the-shelf optic components. LM80 test data is available to accelerate the path toward DLC or Energy Star certification.

### Product Features

- Integrated modular solution
- High efficacy of up to 180 lm/W DC
- End to end mounting and daisy chain connectivity
- Reliable at 200% of rated drive current
- 3 SDCM Color consistency
- 11, 22 and 44 Inch length options
- 5 Year limited warranty

### Application Benefits

- Accelerates time to market
- Enables >130 lm/W luminaires
- Supports designs in which long continuous lines of light are required
- Delivers high lumen density
- Uniform consistent lighting
- Reduced wiring and mounting costs
- Design with confidence

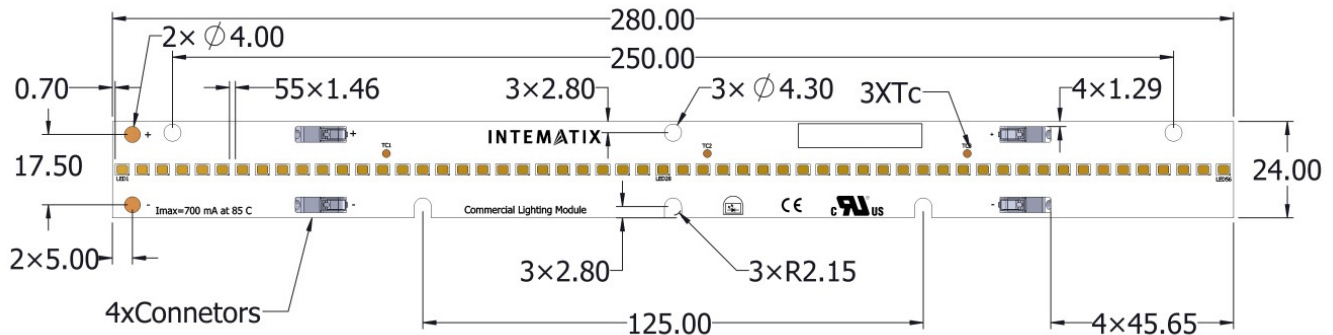


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## Optical and Performance Characteristics

Product	Length	Nominal CCT (K)	Min CRI	Typical LOP (lm)	Typical Efficacy (lm/W)	Rated Drive Current (mA)	Typical Forward Voltage (V)	Power (W)
ILM-CL01-830-1200-0280	11 Inch 280 mm	3000	80	1195	175	350	19.5	6.8
ILM-CL01-840-1200-0280		4000	80	1230	180			
ILM-CL01-850-1200-0280		5000	80	1230	180			
ILM-CL01-830-2400-0560	22 Inch 560 mm	3000	80	2390	175	700	19.5	13.7
ILM-CL01-840-2400-0560		4000	80	2460	180			
ILM-CL01-850-2400-0560		5000	80	2460	180			
ILM-CL01-830-4800-1120	44 Inch 1120 mm	3000	80	4780	175	700	39.0	27.3
ILM-CL01-840-4800-1120		4000	80	4920	180			
ILM-CL01-850-4800-1120		5000	80	4920	180			

## Electrical and Mechanical Interconnects



Product	Length	Width	Max Height
-0280	280mm / 11"	24mm 0.95"	6.1mm 0.24"
-0560	560mm / 22"		
-1120	1120mm / 44"		

### Notes:

- 1) Drawing example shown for -0280 product
- 2) Input wire cross section is 18-24 AWG with a terminal strip length of 7-9mm

Please contact a sales representative for additional product details.  
For more information contact [sales@intematix.com](mailto:sales@intematix.com).