

litrite

the art of illumination



aspick green

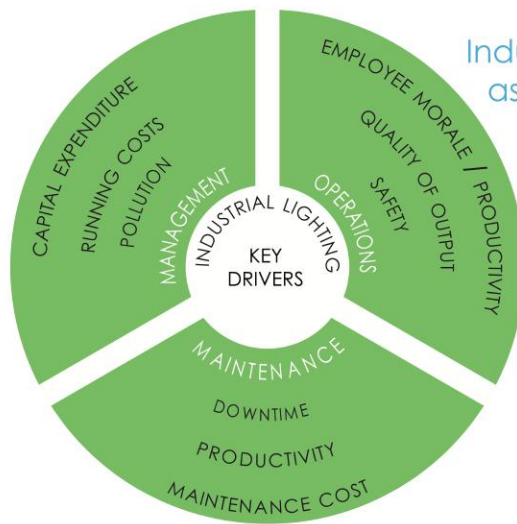
MODULAR LED LUMINAIRES



Industrial lighting is not just illumination. Luminaires need to comply with mandated standards for safety, energy usage and harmonic levels. They should align with the varying needs of the tasks and occupants without losing efficiency and economy. They should promote workplace safety, be easy to maintain and operate in extreme conditions.

We understand your lighting needs - our flagship Aspick Engineering has a 40 year legacy of not only running a manufacturing unit but working with industrial customers in the chemical, petro-chemical, food-processing, pharma, paper-pulp, ceramic and other engineering industries, nuclear & space programs. We have closely worked with industries in India, South Africa, Denmark, Germany, USA, Australia and New Zealand. When it comes to industrial lighting we and our many customers have faced the same challenges you have.

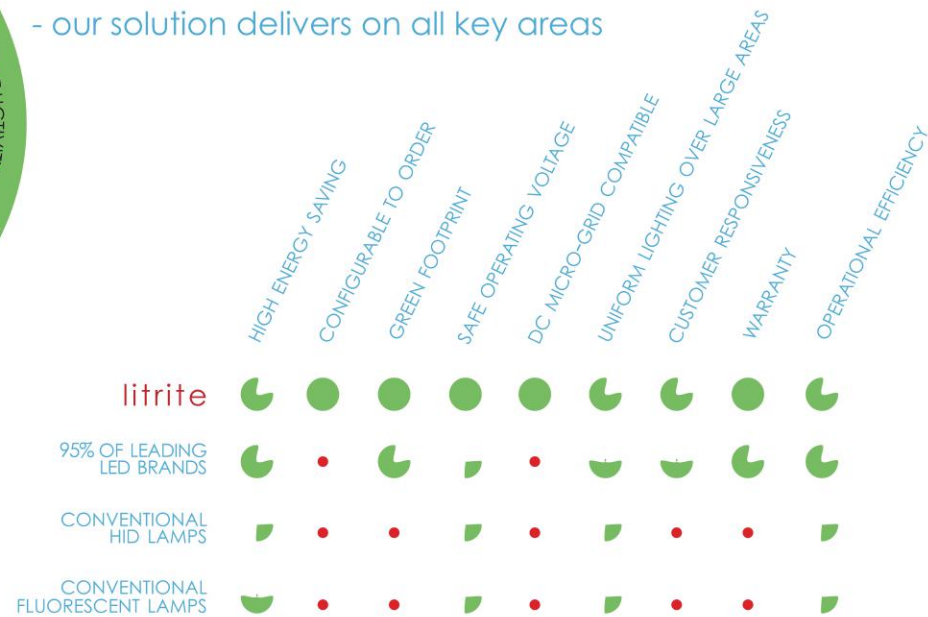
We know industrial lighting. We can help you run a cost effective, safe, highly productive green facility.



Industrial lighting demands are complex and touch many aspects of your business

- our solution delivers on all key areas

Conventional lighting is a slow bleeding drain on your resources and the environment.



95% of LED luminaires are not designed ground-up - they neither leverage the positive aspects of this new technology nor design around its inherent limitations.

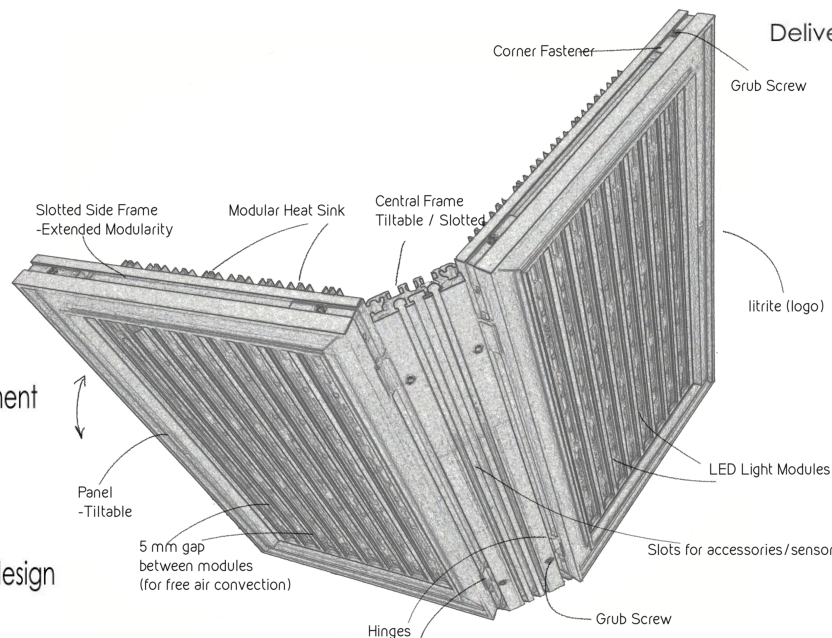
- LED Power Density**
- Avoid indiscriminate use of cheap high power LEDs
 - End use should dictate choice of power density
 - Power Density → Thermal design dependency

- Directionality**
- Secondary optics reduce lumen efficiency
 - Generic reflectors usually unnecessary
 - End use should dictate optic design
 - High power LEDs increase glare

- Heat (life - lumen maintenance)**
- Optimized heat removal
 - High quality thermal components
 - Driven at optimal current

- System Reliability**
- Current limiting design
 - Driver service life ~ LED life
 - High grade capacitors
 - Surge immunity, OVP

- Safety**
- Safe Low Voltage design
 - Isolated Class 2 supply



Delivers the highest lumen / kg of material used as compared to any other luminaire.

Can run on DC micro-grids, the future of locally generated power.

- Safe Low Voltage (<60VDC) on Class 2 isolated driver.
- Safe to touch under dry conditions.
- Easy to install and maintain.

Configure to Order
'Watt' you want, not 'watts' available

Longer Life
Runs cooler, maintains lumens longer

Uniform Illumination
Allows flexibility in deployment

modular

safe

future ready

green

faster payback

Getting the most from your lighting means more money you can invest in your business.

Contrary to popular belief Edison did not invent the light bulb.....he just made it better.

Like Edison, we too know no limits.

The result : a radically better luminaire.

There is more to lighting than meets the eye

"There is a better way to do it.
Find it."
-Thomas Alva Edison

litrite is a result of unshackling solid state lighting design from conventional thinking. A completely re-imagined LED lighting system that is founded on a minimalist design philosophy that leverages to the maximum the advantages LED technology offers, while obviating its limitations.

litrite
designed and built in India





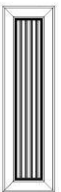

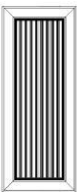

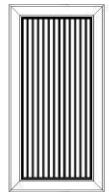

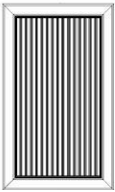

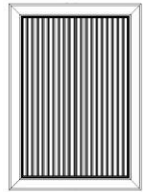

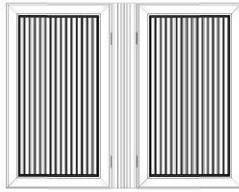

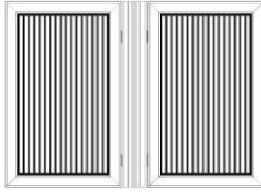

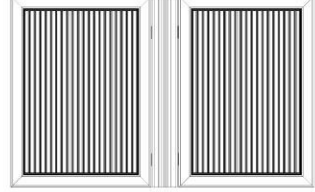

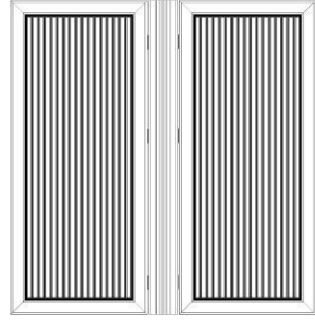
deliver

good design solves problems minimally utilizing as few elements as possible. but for great design one must understand the problem, in its entirety. one must probe: why does it need to be solved? for whom? how is it being done now and why that way!

great design challenges the designer to apply creative thought, break dogma, dissect assumptions and reach deep into the heart of the problem.

design

Mechanical:	
Housing	Custom Aluminum Extrusion
Number of Modules	Depends on luminaire model
Luminaire Weight	Depends on luminaire model
Mounting	Tiltable Frame (other custom options available)
Driver Location	External (can be located near or remote)
Cabling	2 core Teflon
Dust Cover	Optional

Model	TL15	TL30	TL45	BL60	BL75	HL100	HL120	HL150	SL 240	<div></div> <div>CUSTOM BUILD</div> <div>'WATT' YOU WANT</div> <div>(If you can imagine it, we can build it)</div>	
	<div><div>45 mm</div><div>300 mm</div></div>	 	 	 	 	 	 	 	 		575 mm
	Type	Task	Task	Task	LowBay	LowBay	MidBay	MidBay	HiBay		HiBay
	Power (W)	15	35	45	55	75	100	120	150		240
	Panel Dim.(mm)	300 x 148	300 x 182	300 x 216	300 x 250	300 x 284	300 x 233	300 x 250	300 x 284		575 x 284
No of Panels	1	1	1	1	1	2	2	2	2L		
Modules/Panel	2	4	6	8	10	7	8	10	8		
Beam Angle (longitudinal)	120 degrees / Optional Cut Off Reflector (available on request)										
Beam Angle (lateral)	Option A: 120 degrees - Wide Beam (for Open Plans) / Option B: 70 degrees - Narrow Beam (for Open Plans & Aisle Lighting)										
Cover	Polycarbonate Sheet - Option A: Clear / Option B: Diffuser / Option C: Glare Reducer PolyUrethane Potting - Option A: Clear / Option B: Diffuse Acrylic Coating - Clear										
Panel Tilt						+ / - 85 deg					
Ingress Rating	LED Panel: IP50, IP63, IP64, IP65 and IP66 based on application/requirement Driver: IP42, IP65, IP67 based on application/requirement										
Luminaire Tilt	+ / - 90 deg										
Mounting	Wall / Ceiling / False Ceiling / Hook / Eye Bolt / Bracket / Y- Wire Rope Hook / Threaded Rod / Custom										
Intelligence	Ambient Light: Daylight Sensing Occupancy: Microwave / Radar based 360 degree Motion Sensing										



Multinational Food Processing Equipment Manufacturer * CHENNAI - INDIA

A world leader in manufacturing food processing, seasoning, conveying, packaging and inspection equipment systems, they pioneer technology that improves food production efficiency, reduces the environmental impact of processing and cuts the cost-per-pound of finished product. For their first greenfield operations in India covering over 10000 sq meters of factory space this global leader turned to our flagship Aspick, a trusted partner associated with them for years, knowing well that our decades of experience with industrial customers would make for a credible partner to design and build for them an environment friendly illumination system.

Solution: After studying the requirement of safety, lighting uniformity and illuminance level for the new facility, our proposal based on a precisely modeled lighting simulation of the plant was a comprehensive multi luminaire solution with a lighting load 15-20% lower than other leading LED brands. This saving could be executed primarily due to our modular design that provided the flexibility of deploying the exact (and not the next higher) wattage to match each of the different spaces that had to be illuminated within the plant.

Execution: December 2016

Result: A solution that delivered on its 'configurability' promise to provide precise, uniform and 'useful' lumens to the over 10000 sq.m. space, reducing their running costs considerably. The team in the new plant now enjoys a well-lit, green work environment that they can be proud of every day and a future ready illumination system that will deliver on its promise for years to come.

* more case studies at www.litrite.com

litrite
modular led luminaires
'watt' you want



GET 'WATT'
YOU WANT



BIS
CERTIFIED



2-5 YR
WARRANTY



CLASS III
SAFETY



SELV
< 54 VDC



aspick green

aspick green tech private limited
d5 industrial estate, guindy, chennai 600 032, india

+91 44 2250 1399 / 2250 1849

sales@aspick-led.com

www.litrite.com