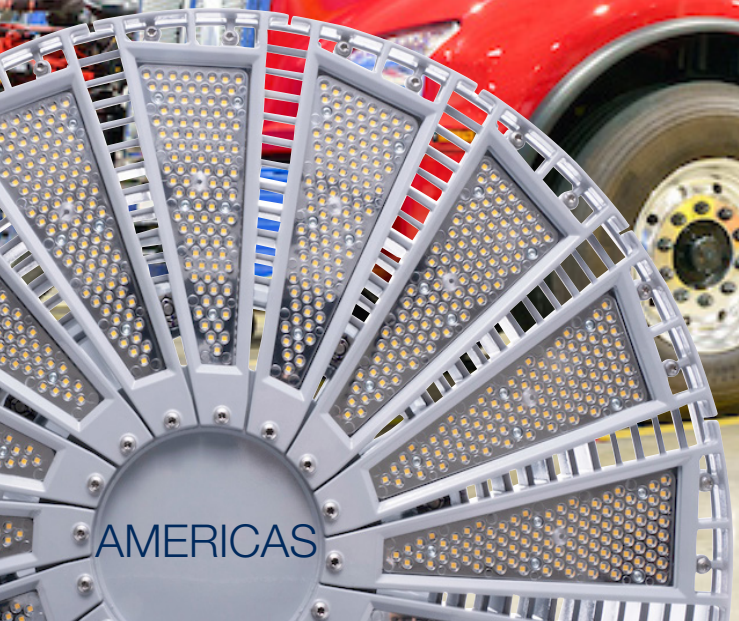
DIALIGHT INDUSTRIAL LED LIGHTING

For Automotive

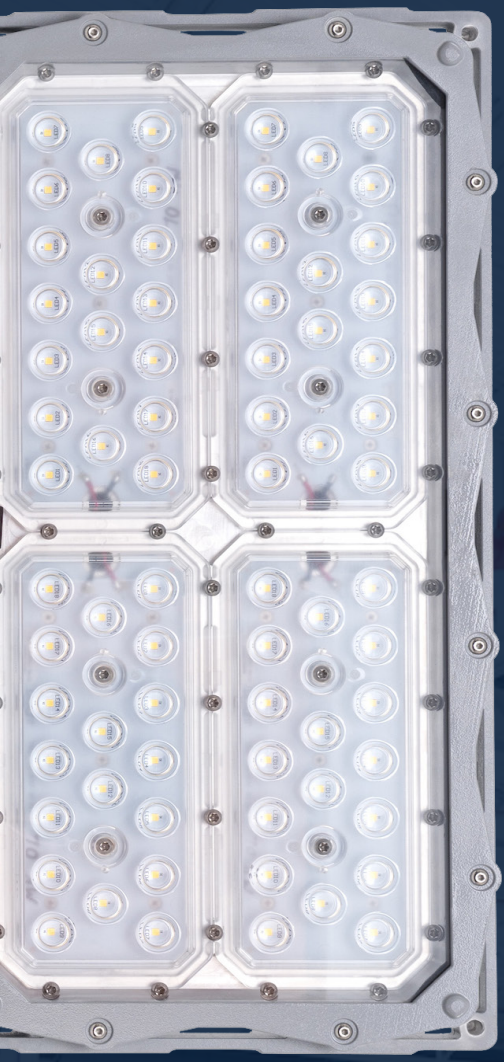




AMERICAS

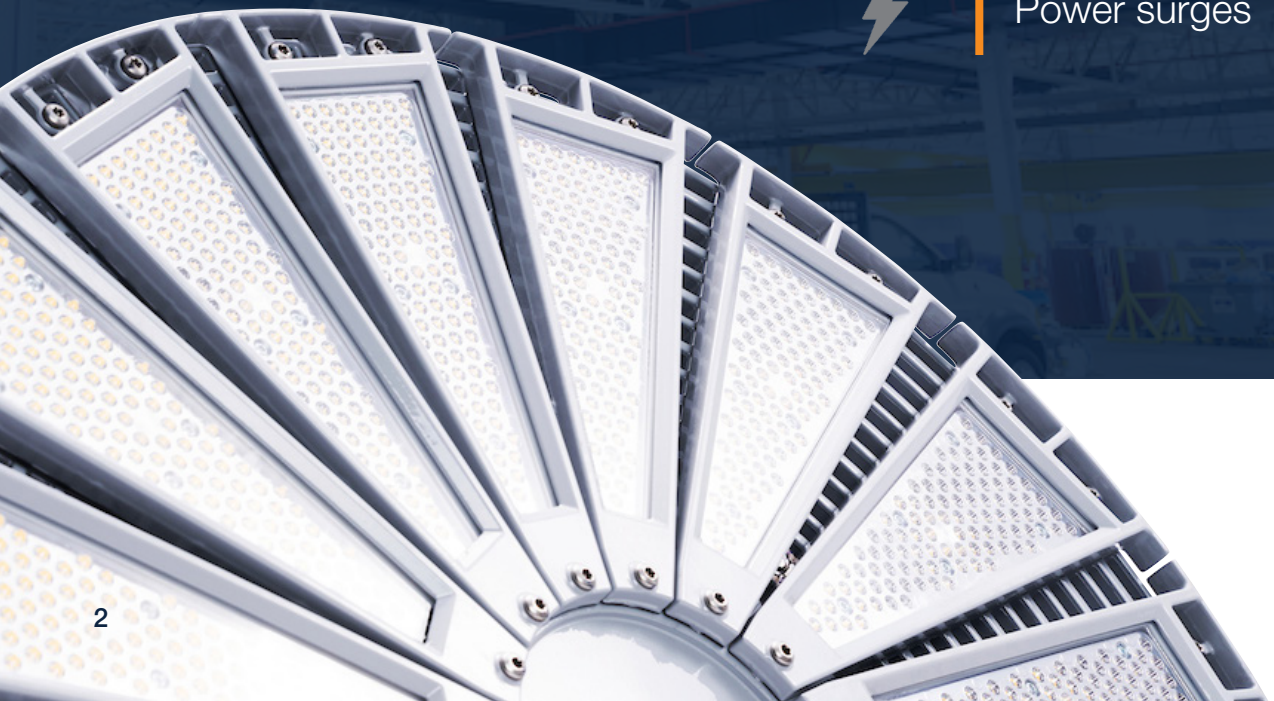
Dialight

WHY LIGHTING MATTERS in Automotive Applications



Lighting is of critical importance in Automotive facilities to maximize both safety and productivity. Automotive sites are notorious for harsh conditions that can contribute to premature fixture failure.

- Physical hazards and moving objects
- High heat and high vibration
- Chemical vapors, dust and debris
- Noisy, complex heavy machinery
- Power surges

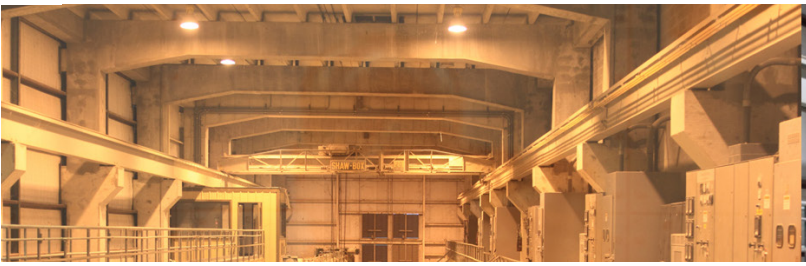


THE COST OF POOR LIGHTING in Manufacturing Applications

Poor illumination can contribute to tragic work site accidents and injuries in the Manufacturing sector. Between 2009-2018 the US Bureau of Labor statistics cited:

4,776,100 NON-FATAL INJURIES with **$167 BILLION** TOTAL COSTS

3,280 FATALITIES with **$ 3.4 MILLION** TOTAL COSTS





While significant strides have been made by organizations such as OSHA over the past few decades to improve safety, the Automotive industry inherently involve risks and hazards that demand high quality lighting. When choosing a lighting partner for your facilities, care must be taken to ensure their products have proven to perform safely and reliably in your environments and offer a sustainable solution.



DIALIGHT SOLUTIONS for Automotive Applications

Dialight is the world leader in industrial LED lighting technology with millions of fixtures installed worldwide. We specialize in lighting products designed for the world's harshest industrial environments – enabling industrial customers to reduce their energy costs, maintenance costs, and carbon footprint while maximizing the safety and productivity of their employees and facility. From our signature High Bay line to our versatile Linear fixtures, Dialight offers a large selection of rugged products ideally suited for environments found within the Automotive Industry.



WHERE TO USE DIALIGHT PRODUCTS in Automotive Applications

INTERIOR

- WAREHOUSE & STORE ROOMS
- PROCESS & ASSEMBLY AREAS
- MACHINE & WELDING SHOPS
- SHIPPING & RECEIVING AREAS
- BOILER & ELECTRICAL ROOMS

EXTERIOR

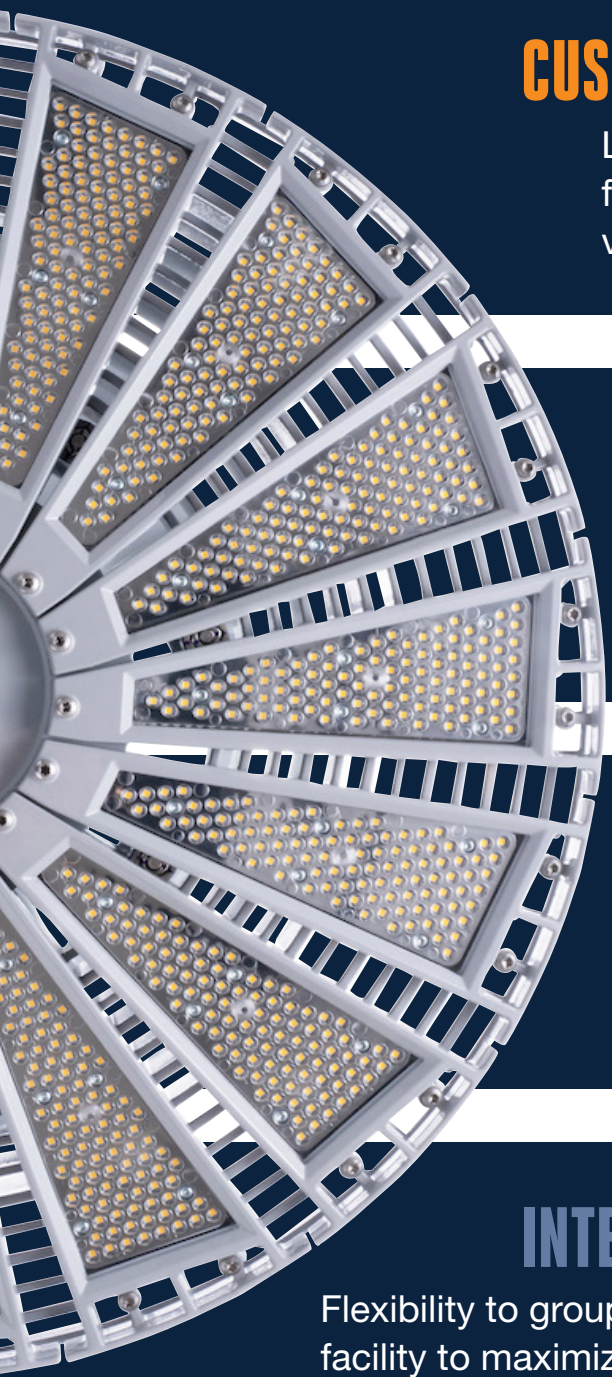
- FLOOD LIGHTING
- WALL PACK & CANOPY LIGHTING
- WALKWAY LIGHTING
- PARKING LOTS
- ROADWAY LIGHTING

See product portfolio pages for more detailed product and ordering information



TECHNOLOGY DIFFERENTIATION

When choosing an LED Lighting partner, consider how their products are engineered, constructed and tested prior to making your decision. Most Dialight products are engineered to a **10 year warranty** and were designed with harsh environments, such as Automotive applications, in mind.



CUSTOM POWER SUPPLIES

Long-life potted drivers with optimized thermal dissipation for protection against environmental contaminants and vibration related failures.

LOW MAINTENANCE MECHANICAL DESIGN

Sealed and optimized to reduce or eliminate the need for maintenance over the life of the fixture. Easy to install and retrofit to existing infrastructure.

LATEST LEDS AND ADVANCED OPTICS

Highly efficient, crisp, low-glare illumination. Lighting where you need it, not where you don't.

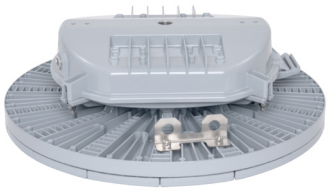
INTELLIGENT CONTROLS

Flexibility to group, dim and schedule lights around the unique needs of a facility to maximize energy savings. Plus, seamless integration with existing factory automation.

APPLICATION GUIDE for Automotive Sites

1 Vigilant® High Output High Bay - Low Profile

For non-hazardous high ceiling high bay applications typically 40 feet or above



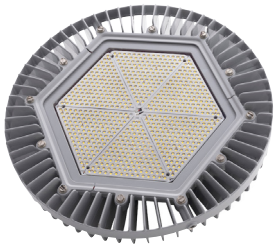
2 Vigilant® and SafeSite® Area Lights

For non-hazardous and hazardous lower ceiling indoor or outdoor process and stanchion mount applications*



3 Vigilant® and SafeSite® High Bay

For non-hazardous and hazardous indoor or outdoor high bay applications over 14 feet



4 Vigilant® and SafeSite® Low Bays

For non-hazardous and hazardous lower ceiling indoor or outdoor applications where wider light distribution is critical



5 ProSite Floodlight F1 Model

For non-hazardous and hazardous indoor or outdoor flood lighting applications; multiple beam patterns available



6 Vigilant®, SafeSite®, and DuroSite® LP/TC Linears

For non-hazardous and hazardous indoor or outdoor fluorescent strip/vaportite replacements, task or inspection lighting, electrical rooms, shops, and process areas. 4ft and 2ft versions available

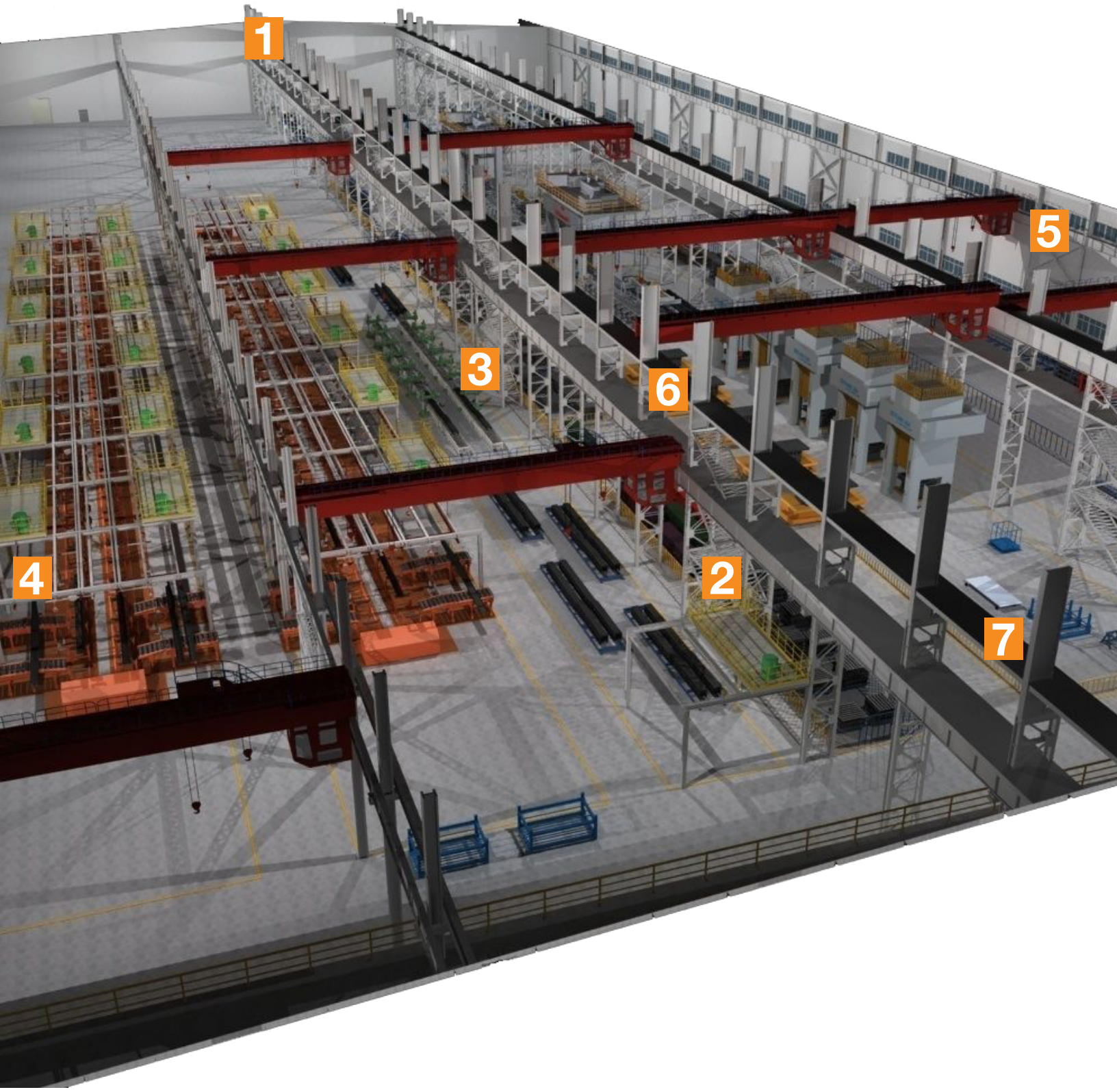


7 ProSite Floodlight F2 Model

For non-hazardous and hazardous indoor or outdoor high power flood applications (Typical 1,000 watt or better HID replacement)



*Ask about our retrofit adapters to save labor by retrofitting to existing HID infrastructure


1
5
3
6
4
2
7

CASE STUDY Miller Industries *Pennsylvania & Tennessee*

Miller Industries is the world's largest and well-known manufacturers of towing and recovery equipment, building all classes of innovative towing and recovery trucks, car haulers and related equipment. Just over five years ago, facility managers at the Hermitage plant grew frustrated with the constant maintenance and upkeep required of the antiquated lighting on the shop floor and began investigating options for an upgrade.

What began with a trial of just four Dialight 18,000 lumen Vigilant High Bay fixtures soon transformed into a complete corporate retrofit across all Miller Industries' facilities. With the completion of the project at Greeneville, Miller's US facilities are now 100% converted to Dialight's class-leading Vigilant industrial LED High Bay fixtures and are now fully realizing the benefits of higher quality, more sustainable and maintenance-free lighting.

At its Greeneville facility, Miller was embarking on a new business model: vertical integration of its supply chain. Previously, the company had focused on welding, assembly and painting of prefabricated components, installing outsourced wrecker and rollback equipment onto its truck chassis frames. Aiming to bring fabrication in-house, the company converted 60,000 square feet of its manufacturing facility to a fab shop, complete with high-tech equipment including laser lathes, press breaks, CNC and other modern machining tools.

With the project now complete, the company has realized an average of 15% energy savings per year after installing LED lighting. In addition, they estimate the maintenance team now has 60 more hours per year to devote to production-related work—time that was previously spent cleaning off fixtures and bulb and transformer replacement. In addition, they noted the improvement in visibility at the Greeneville facility has been an outstanding benefit for employees.

- Miller Industries, global towing and recovery equipment manufacturer
- Retrofit across 3 U.S. facilities
- 1,750 Vigilant High Bays installed, a mix of 18K and 19K lumen products
- Estimated energy savings: 15% per year
- Estimated maintenance time savings: 60 hours per year



CASE STUDY Gas Monkey Garage *Dallas, Texas*

Gas Monkey Garage is arguably America's most recognized hot rod shop and is under the watchful eye of millions of TV viewers each week. In addition to the demand for visual clarity, GMG has zero room for downtime in its incredibly tight production schedules. The crew cannot afford to stop work and move cars and other equipment around in order to maintain lighting in the facility. Time is money, and time spent changing lightbulbs is wasted money. Looking for a cutting-edge lighting technology that would meet GMG's stringent standards for quality and performance—and live up to its demand for maintenance-free equipment, Rawlings and GMG turned to Dialight, the world leader in high-performance, industrial LED lighting for new fixtures in its workshop, "man cave", merchandise warehouse, paint booth and exterior areas. "We know a thing or two about industrial grade performance and design," Rawlings said. "When we saw the Dialight fixtures, that was it. The rugged design, performance and longevity of these fixtures sold us, and we've been blown away by just how much better we can see now versus the fluorescent fixtures we used to have."

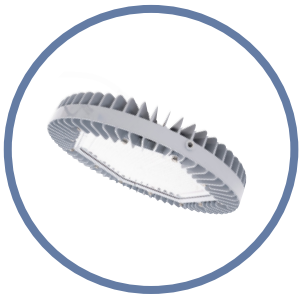
Inside the main shop, GMG replaced all of its 8-foot, two-lamp T12 and 4-foot, four- and six-lamp T8 fluorescents with 152 of Dialight's DuroSite 4-foot Linear fixtures. The new fixtures provide the crystal-clear clarity and brightness the mechanics and fabricators need for precision work in a safe environment. In it's new "man cave" and outdoor lounge area, the team chose Dialight's 26,500-lumen Vigilant High Bay fixtures to replace the 4-foot, four- and six-lamp T8 fluorescents, and another 44 DuroSite Linears went into its expanded merchandise building. Outside, GMG installed a combination of 5 new Dual Vigilant Flood Lights and DuroSite single floods, along with 8 new 40-watt Vigilant Area Lights to replace it's antiquated 250-watt HID wall packs. While the primary goal in outdoor illumination was to improve exterior aesthetics, presence and security, the energy savings from the new high-efficiency Dialight fixtures is an added bonus. "Upgrading to Dialight LED High Bay and Linear fixtures meant we were actually able to use fewer fixtures, saving money on top of significant energy savings from the superior efficiency of these fixtures," Rawlings said. "Plus, these lights will last for the long haul without any maintenance. I can't say that for fluorescents."

- Upgraded to 152 Dialight's DuroSite 4-foot Linear fixtures, 26,500-lumen Vigilant High Bay fixtures, 44 DuroSite Linears, 5 Dual Vigilant Flood Lights and DuroSite single floods and 8 new 40-watt Vigilant Area Lights



For more case study information please visit www.dialight.com.

PRODUCT PORTFOLIO High Bays



VIGILANT® HIGH BAY

For use in non-hazardous indoor and outdoor high bay and occasionally flood lighting applications. Replaces up to 400 watt traditional HID fixtures.

Ideally suited for:

- PROCESS & ASSEMBLY AREAS
- BOILER & ELECTRICAL ROOMS
- SHIPPING & RECEIVING AREAS

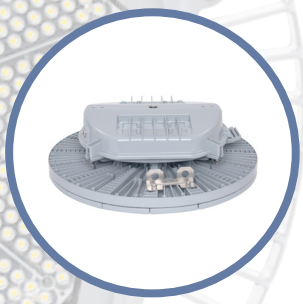


SAFESITE® HIGH BAY

For use in hazardous classified high bay applications where chemical vapors or explosive dusts are present. See technical spec sheet for applicable certifications.

Ideally suited for:

- PROCESS AREAS
- CHEMICAL STORAGE



VIGILANT® HIGH OUTPUT HIGH BAY- LOW PROFILE

For use in high output or high ceiling non-hazardous indoor and outdoor high bay applications. Replaces up to 1,500 watt traditional HID fixtures with mounting heights up to 100'.

Ideally suited for:

- PROCESS & ASSEMBLY AREAS
- WAREHOUSE & STORE ROOMS



VIGILANT® LOW BAY

For use in indoor and outdoor lower mounting height high bay applications where wider light distribution is required. Replaces up to 250+ watt traditional HID fixtures.

Ideally suited for:

- UTILITIES/BOILER AREAS
- BASEMENTS
- PROCESS AREAS



SAFESITE® LOW BAY

For use in lower mounting height hazardous high bay applications where chemical vapors or explosive dusts are present. See technical spec sheet for applicable certifications.

Ideally suited for:

- PROCESS AREAS
- CHEMICAL STORAGE

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable.It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

PRODUCT PORTFOLIO High Bays

Part Number	Certification	Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution
Vigilant® High Bay							
HEU7MC2ENNWNGN	UL 1598, CSA	27,500	185	149	5000K (cool white)	Glass - Clear	Medium
HEULMC2ENNWNGN	UL 1598, CSA	27,000	185	146	5000K (cool white)	Polycarbonate Dome - Diffused	Medium
HEU7MC2CNNWNGN	UL 1598, CSA	19,800	130	152	5000K (cool white)	Glass - Clear	Medium
HEULMC2CNNWNGN	UL 1598, CSA	19,400	130	149	5000K (cool white)	Polycarbonate Dome - Diffused	Medium
HEU7MC2BNNWNGN	UL 1598, CSA	14,900	100	149	5000K (cool white)	Glass - Clear	Medium
HEU7MC2ANNWNGN	UL 1598, CSA	11,600	80	145	5000K (cool white)	Glass - Clear	Medium
Vigilant® Low Bay							
LEULUC29NNWNGN	UL 1598, CSA	9,000	80	113	5000K (cool white)	Polycarbonate Dome - Diffused	Ultra Wide
LEULUC26NNWNGN	UL 1598, CSA	6,000	56	107	5000K (cool white)	Polycarbonate Dome - Diffused	Ultra Wide
Vigilant® Low Profile High Output High Bay							
H7U7NC2RDNNNGN	UL 1598, CSA	70,500	485	145	5000K (cool white)	Glass	Narrow
H7U7NC2NDNNNGN	UL 1598, CSA	61,200	418	146	5000K (cool white)	Glass	Narrow
H7U7MC2KDNNNGN	UL 1598, CSA	46,000	300	153	5000K (cool white)	Glass	Medium

For Hazardous Location part numbers please refer to Product Specification Sheet.

Dialight Vigilant® and Reliant™ Hgh Bay fixtures are available with IntelliLED® wireless controls for even greater energy savings. For more information, please visit our website at www.dialight.com.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable.It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

*Occupancy Sensor models available, see Product Specification Sheet

PRODUCT PORTFOLIO Area Lights



VIGILANT® AREA LIGHT

This extremely versatile fixture series can be used in non-hazardous indoor and outdoor applications. Designed for ease of installation, this product line features quick install retrofit kits that support legacy HID fixtures from GE, Crouse, Appleton, Killark and others. See technical spec sheet for more information and additional accessories.

Ideally suited for:

- CONVEYORS
- PROCESS AREAS
- GENERAL AREAS
- TUNNELS & NARROW SPACES



SAFESITE® AREA LIGHT

For use in hazardous classified applications where chemical vapors or explosive dusts are present. Designed for ease of installation, this product line features quick install retrofit kits that support many legacy HID fixture brands. See technical spec sheet for hazardous certifications and more information on additional accessories.

Ideally suited for:

- PROCESS AREAS
- TANK FARMS
- CHEMICAL STORAGE

Part Number	Certification	Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution
Vigilant® Area Light							
ALU7BC29NNWNGN	UL 1598, CSA	9,000	66	136	5000K (cool white)	Glass	360°
ALU5BC29NNWNGN	UL 1598, CSA	8,300	66	126	5000K (cool white)	Polycarbonate Diffused	360°
ALU7BC27NNWNGN	UL 1598, CSA	7,300	52	140	5000K (cool white)	Glass	360°
ALU5BC27NNWNGN	UL 1598, CSA	6,700	52	129	5000K (cool white)	Polycarbonate Diffused	360°
ALU7BC26NNWNGN	UL 1598, CSA	5,700	40	143	5000K (cool white)	Glass	360°
ALU5BC26NNWNGN	UL 1598, CSA	5,300	40	133	5000K (cool white)	Polycarbonate Diffused	360°

For Hazardous Location part numbers please refer to Product Specification Sheet.

For more details on product specifications, and our full suite of retrofit adapters, please visit www.dialight.com.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable.It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

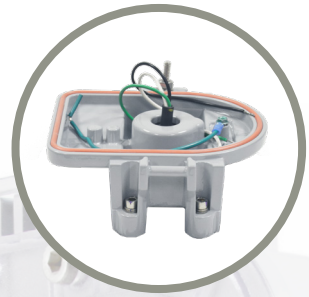
PRODUCT PORTFOLIO Area Light Accessories

With a wide variety of brackets and retrofit kits available, Dialight's versatile Area Light can easily meet the needs of virtually any industrial application, while saving time and money on installation.



AREA LIGHT RETROFIT KITS

Dialight's Area Light series is available with quick install retrofit kits to the following products: Eaton's Crouse-Hinds – Champ®, GE Lighting Solutions – Filtr-Gard™, Holophane Petrolux® II, III, Thomas & Betts Hazlux®, Appleton® Mercmaster III , Appleton® Mercmaster II, and Killark® Certilite® & Certilite® V



AREA LIGHT MOUNTING ACCESSORIES

The Area Light has always been extremely versatile and now with our new Universal Mounting Adapter (HZXUMA), it provides even greater flexibility by allowing you to modify stock you have on-hand to configure based on your needs. All available in Class I, Div. 2, Class II, and Class III certified options.

Eaton's Crouse-Hinds – Champ® Retrofit Kit - HZXTHCH

Pendant	Ceiling	Wall	Stanchion	Quad Mount
APM2	CM2	TWM2	JM5	QM25
APM3	CM3	TWM3	PM5	
HPM2				

Appleton® Mercmaster II Retrofit Kit - HZXTHM2

Pendant	Ceiling	Wall	Stanchion
LPA-75	LPC-75	LPWB-75	LPS-125
LPA-100	LPC-100	LPWB-100	LPS-150

Thomas & Betts Hazlux® Retrofit Kit - HZXTHTB

Pendant	Pendant Cone	Flexible Pendant	Ceiling	Wall
3P	3F	3C	3W	5S
4P	4F		4W	6S
				5J, 6J

Wall	25° Angle Stanchion	25° Angle Stanchion	Straight Stanchion	Straight Stanchion
VB2-VIB	VS4	VS4-VIB	VL4	VL4-VIB
VB3-VIB	VS5	VS5-VIB	VL5	VL5-VIB

Holophane® Petrolux II, III Retrofit Kit - HZXTHP3

Pendant	Universal	Stanchion	Ceiling	Wall
PD	UN	SA	CD	WL
GH		ST	CE	W
P		A	B, C, D	

Appleton® Mercmaster III Retrofit Kit - HZXTHAP

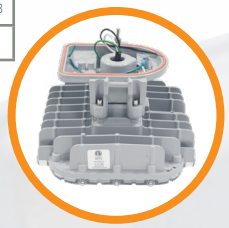
Pendant	Ceiling	Wall	Stanchion
KPA- 75, 100	KPC-75	KPWB-75	KPS-125
KPAF-75, 100	KPC-100	KPWB-100	KPS-150
KPCH-75, 100			KPST-125
			KPST-150

GE Lighting Solutions – Filtr-Gard™ Retrofit Kit - HZXTHGE

Pendant	Ceiling	Wall	Stanchion	Quad Mount
3P	3F	3C	3W	5S
4P	4F		4W	6S
				5J, 6J

Killark® Certilite® & Certilite® V Retrofit Kit - HZXTHKL

Pendant	Ceiling	Wall	Stanchion
VMA2B & VMA-2	VMX2B & VMX-2	VMB2B & VMB-2	VMD4B
VMA3B & VMA-3	VMX3B & VMX-3	VMB3B & VMB-3	VMD5B
VMC2B & VMC-2	VMX6B, 7B, 8B, 9B		VMS5B
VMC3B & VMC-3			
VMF2B, 3B			



UMA Area Light
ALx-xxxx-xxUx-xxN

+



Stanchion 45°
HZXS45



Wall 45°
HZXW45



Wall 0°
HZXW01



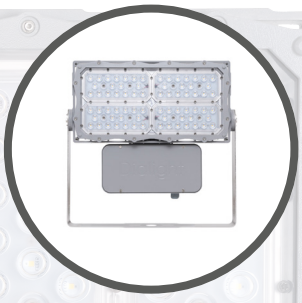
Conveyor
HZXCV34



Ceiling
HZXFM

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable.It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

PRODUCT PORTFOLIO Floodlights



PROSITE FLOODLIGHT F1 MODEL

Flood light family designed to replace 250 – 1000W HID units in industrial and hazardous certified areas where chemical vapors or explosive dusts are present. See technical spec sheet for certification information and further details on lumen output options, accessories and optical patterns.s.

Ideally suited for:

- GENERAL FLOOD LIGHTING
- LOADING / UNLOADING AREASS
- ROADWAYS / PARKING AREAS



PROSITE FLOODLIGHT F2 MODEL

Flood light family designed to replace 250 – 1000W HID units in industrial and hazardous certified areas where chemical vapors or explosive dusts are present. See technical spec sheet for certification information and further details on lumen output options, accessories and optical patterns.

Ideally suited for:

- GENERAL FLOOD LIGHTING
- LOADING / UNLOADING AREAS
- ROADWAY / PARKING AREAS

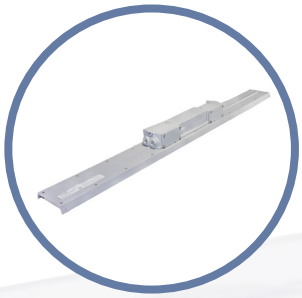
Part Number	Certification	Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution
F1 ProSite Floodlight							
F1UN6B2BDENVGN	UL1598/A / CSA	13,200	81	163	5000k (cool white)	Integrated PC	NEMA 6
F1UN6B2CDENVGN	UL1598/A / CSA	19,100	124	154	5000k (cool white)	Integrated PC	NEMA 6
F1UN6B2EDENVGN	UL1598/A / CSA	25,000	175	143	5000k (cool white)	Integrated PC	NEMA 6
F2 ProSite Floodlight							
F2UN6B8LDENVGN	UL1598/A / CSA	51,000	346	147	5000k (cool white)	Integrated PC	NEMA 6
F2UN6B8NDENVGN	UL1598/A / CSA	65,000	484	134	5000k (cool white)	Integrated PC	NEMA 6

For Hazardous Location part numbers please refer to Product Specification Sheet.

For more details on product specifications, please visit www.dialight.com.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable.It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

PRODUCT PORTFOLIO Linear Lights

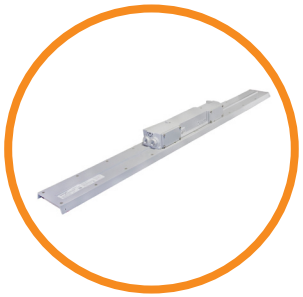


VIGILANT® LP/TC LINEAR

Now featuring Dialight's exclusive 10 year warranty. Available in 2ft and 4ft varieties. For use in indoor and outdoor non-hazardous linear and occasionally flood lighting applications. For top conduit model, please see website.

Ideally suited for:

- TASK LIGHTING
- PROCESS & INSPECTION AREAS
- MAINTENANCE AREAS
- STORAGE & GENERAL AREAS



SAFESITE® LP/TC LINEAR

Now featuring Dialight's exclusive 10 year warranty. Available in 2ft and 4ft varieties. For use in indoor and outdoor hazardous certified linear and occasionally flood lighting applications where chemical vapors or explosive dusts are present. CID1 linear available in a different series. Refer to Dialight website for more information and top conduit model.

Ideally suited for:

- PROCESS AREAS
- MAINTENANCE AREAS
- CHEMICAL STORAGE

Part Number	Certification	Fixture Lumens	Wattage	lm/W	CCT	Lens	Beam Distribution
SafeSite® Linear							
LSC3C4D3GEX	UL 1598, CSA	3,600	34	106	5000K (cool white)	Clear Tempered Glass Lens	Medium
LSC3C4M3GEX	UL 1598, CSA	7,250	68	106	5000K (cool white)	Clear Tempered Glass Lens	Medium
Vigilant® Linear							
LKU4MC27DNNNGN	UL 1598, CSA	7,250	52	139	5000K (cool white)	Clear Polycarbonate	Medium
LKU5MC27DNNNGN	UL 1598, CSA	6,550	52	126	5000K (cool white)	Diffused Polycarbonate	Medium
LJU4MC25DNNNGN	UL 1598, CSA	4,750	37	128	5000K (cool white)	Clear Polycarbonate	Medium
LJU5MC25DNNNGN	UL 1598, CSA	4,450	37	120	5000K (cool white)	Diffused Polycarbonate	Medium
DuroSite® Linear							
LPM3C4M2P	UL 1598, CSA	7,900	60	132	5000K (cool white)	Clear Polycarbonate	Medium
LPM3C4H2W	UL 1598, CSA	7,100	60	118	5000K (cool white)	Diffused Polycarbonate	Medium
LPM3C4D2P	UL 1598, CSA	3,850	29	133	5000K (cool white)	Clear Polycarbonate	Medium
LPM3C4B2W	UL 1598, CSA	3,500	29	121	5000K (cool white)	Diffused Polycarbonate	Medium

For Hazardous Location part numbers please refer to Product Specification Sheet.

For more details on product specifications, please visit www.dialight.com.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable.It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

HAZARDOUS LOCATIONS RATINGS

Fixed and portable fixtures for installation and use in hazardous (classified) locations Class I, Divisions 1 and 2, Groups A, B, C, and D; Class II, Division 1, Groups E, F, and G; Class II, Division 2, Groups F and G; and Class III, Divisions 1 and 2, in accordance with the National Electrical Code, NFPA 70

Classes

The classes define the general nature of hazardous material in the surrounding atmosphere.

Class	Hazardous Material in Surrounding Atmosphere
Class I	Hazardous due to the presence of flammable gases or vapors in the air in quantities to produce explosive or ignitible mixtures
Class II	Hazardous due to the presence of combustible and/or conductive dusts
Class III	Hazardous due to the presence of easily ignitible fibers and flyings, such as wood chips, cotton, flax and nylon. Group classifications are not applied to this class

Divisions

The division defines the likelihood of hazardous substances being present in ignitible concentrations in the surrounding atmosphere.

Division	Presence of Hazardous Material
Division 1	The hazard exists during normal operating conditions
Division 2	The hazard is present only due to accidental system breakdowns or abnormal operations

Groups

The group(s) are determined by the specific hazardous materials which may be present.

Group	Hazardous Material in Surrounding Atmosphere
Class I Groups	
Group A	Acetylene
Group B	Hydrogen, fuel and combustible process gases containing more than 30% hydrogen by volume or gases of equivalent hazard such as butadiene, ethylene oxide, propylene oxide and acrolein
Group C	Carbon monoxide, methyl ether, hydrogen sulfide, methylacetylene, cyclopropane, ethyl and ethylene or gases of equivalent hazard
Group D	Gasoline, acetone, ammonia, benzene, butane, cyclopropane, ethanol, hexane, methanol, methane, vinyl chloride, natural gas, naphtha, propane or gases of equivalent hazard
Class II Groups	
Group E	Combustible metal dusts, including aluminum, magnesium and their commercial alloys or other combustible dusts whose particle size, abrasiveness and conductivity present similar hazards in connection with electrical equipment
Group F	Carbonaceous dusts that have more than 8 percent total entrapped volatiles or that have been sensitized by other materials so that they present an explosion hazard. Coal, carbon black, charcoal, and coke dusts are examples of carbonaceous dusts
Group G	Flour dust, grain dust, flour, starch, sugar, wood, plastic and chemicals

Reference
2020 NEC Code

North American HQ
1501 Route 34 South
Farmingdale, NJ 07727
Tel: 732-919-3119
Fax: 732-751-5778
info@dialight.com

WARNING / DISCLAIMERS:
Installation & secondary retention. The use of this product without proper installation (including secondary retention / netting) and periodic inspections, could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) as applicable. Dialight products are intended for ultimate purchase, installation and operation by knowledgeable persons trained in the functional assessment, installation, use and maintenance of such products and all customers (including but not limited to end customers) are responsible for assessing the suitability of Dialight products for any given installation requirement. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting as appropriate) and in compliance with all applicable laws and regulations.
Product specifications & warranties. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. All values and performance data herein are design or typical values when measured under laboratory conditions. The information herein is subject to change without notice. The products / software detailed herein are subject to applicable warranties and terms and conditions of use/purchase. Unless agreed otherwise in writing by an authorized representative of Dialight, Dialight does not represent that its products are fit for any particular purpose and accepts no liability for the installation and/or unauthorised use of its products. When ordering, refer to *www.dialight.com* for current versions of: (a) relevant product documentation (including relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranties. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at *www.dialight.com* as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document and information provided at *www.dialight.com*, the latter shall prevail.
Exclusion of liability. To the extent permissible under the relevant law, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products. Whilst Dialight has used its reasonable endeavours to ensure the completeness and accuracy of information herein, Dialight does not assume any liability for damages resulting from use of this information or for any third-party representations made in relation to Dialight products.