GMR ENLIGHTS

IES North America

VESTA T

The pictures shown are for illustrative purposes only. For shape, material and color specifications refer to internal descriptions.

Vesta T

Technical data

GMR ENLIGHTS

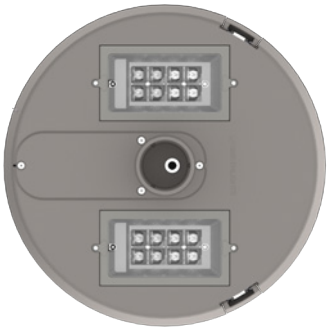
rev. 2026.02.01

Accessibility

Timeless
Tool-free openable fixture. Replaceable internal components without the need of tools.

Optical technology

Glassed
The refracting optical system consists of a single-chip LED, PMMA lenses with a 30-year warranty against UV exposure and yellowing due to aging, a high-purity (99.7%) aluminum reflector, and extra-clear tempered glass.

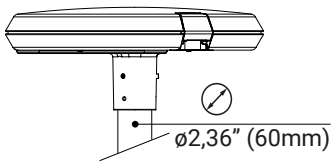


Scale: 1:10

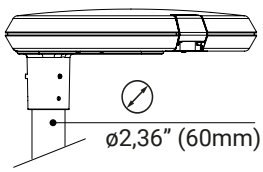
Max. weight	EPA (Wind Exposure)
13.2 lb (6.0 Kg)	Plan: 2ft² (0.19 m²)

Mounting Type

Centered Pole top
T1



Laterla Pole top
T2



Standard

Compliance: UL Standard 1598-CSA C22,2no.250.0.

Conformity | protection

Conformity

Salt spray test
ISO 9227
8.000 hr

Vibration test passed
IEC 60068-2-6

Protection class
Class I

Enclosure Ratings
WET LOCATION · IP 66 · 4 NEMA · IK 08
Meets NEMA 250 for Impact Protection

Photobiological safety
Exempt group IEC/TR62471

Design Features

Dark Sky Friendly · Optical flexibility · Low glare · RoHS Compliant

Specifications

Input voltage:	120-277V | 50/60Hz | tolerance +/-10%
Driver current:	350 mA | 525 mA |700 mA | 1050 mA (P_{max}= 53W)
Power Factor | THD:	≥0.95 | <10 % (At full load)
Rated life:	>100,000 hours, L90B10 at 77°F (25°C), 350mA
Operational temperature:	T_{min}= -40°F (-40°C) T_{max}= 131°F (55°C) |700 mA 122°F (50°C) |1050 mA
Storage temperature:	-40°F/+176°F (-40°C/+80°C)
Built-in surge protection:	Up to 10kV
Standard functions:	Constant Current | Virtual midnight

Construction

Housing construction:	Die cast aluminium | EN1706
Optical system:	PMMA lenses and aluminum reflector with 99.7% purity, anodized and polished.
Underside glass panel:	Black Screen-Printed Tempered Glass with transparent LED area | 4mm thickness
Gaskets:	Removable silicon
Cable gland:	Polyamide PA66 | M20 | Ø 0.55in (14mm) MAX
Fasteners:	Stainless Steel (AISI 304)
Housing finish:	GMR Light Grey | Custom colors on request

Led features

LED performance at 4000 K, 640 mA:	700 lm per LED | 181 lm/W | Tj = 77°F (25°C) ≤ 3 SDCM (MacAdam steps)
Color temperature:	3000 K & 4000 K with CRI 70 standard.

Options

LED color temperature:	2200K, 2700K, and higher CRI options (e.g., CRI 80) available upon request, along with higher temperature options.
Additional surge protection device (SPD):	Rated for 20 kV / 10 kA, 8/20 µs waveform
Electrical disconnect:	Internal electrical disconnector that automatically interrupts power when the luminaire is opened for maintenance. Cross-section AWG14 to AWG6
Additional electrical equipment:	DALI2 | D4i
Control interface and sensor options:	NM (Nema Socket) | Photocell 10LX-60LX (NM)

Vesta T

Photometric Distribution

rev. 2026.02.01

Type I M

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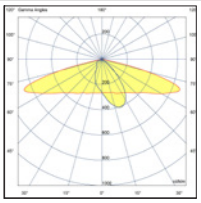
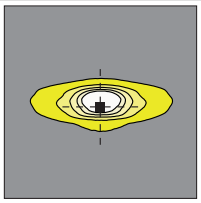
1M_002





Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
002	GL02		350	1417	1492	9	157	166	B1-U0-G1	B1-U0-G1
			525	2087	2197	13.5	155	163	B1-U0-G1	B1-U0-G1
			700	2729	2873	18.5	148	155	B1-U0-G1	B1-U0-G1
			1050	4000	4210	28	143	150	B1-U0-G1	B1-U0-G1
	GL04		350	2741	2885	17.5	157	165	B1-U0-G1	B1-U0-G1
			525	4029	4241	26.5	152	160	B1-U0-G1	B1-U0-G1
			700	5183	5455	34.5	150	158	B1-U0-G1	B2-U0-G2
			1050	7263	7645	53	137	144	B2-U0-G2	B2-U0-G2

Vesta T

Photometric Distribution

rev. 2026.02.01

Type II VS

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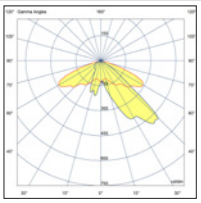
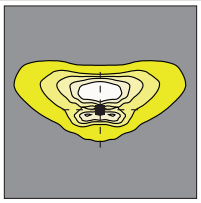
2VS_013





Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
013	GL02		350	1402	1476	9	156	164	B0-U0-G0	B0-U0-G0
			525	2065	2174	13.5	153	161	B0-U0-G0	B0-U0-G0
			700	2701	2843	18.5	146	154	B1-U0-G0	B1-U0-G0
			1050	3958	4167	28	141	149	B1-U0-G1	B1-U0-G1
	GL04		350	2712	2855	17.5	155	163	B1-U0-G0	B1-U0-G0
			525	3987	4197	26.5	150	158	B1-U0-G1	B1-U0-G1
			700	5129	5399	34.5	149	156	B1-U0-G1	B1-U0-G1
			1050	7188	7566	53	136	143	B1-U0-G1	B1-U0-G1

Vesta T

Photometric Distribution

GMR ENLIGHTS

rev. 2026.02.01

Type II S

The measured data for the lighting fixture is based on the standard configuration of GMR ENLIGHTS products (CRI 70) at an ambient temperature of 77°F (25°C). Other currents are available in 50mA steps, ranging from 200mA up to 1050mA, where applicable.

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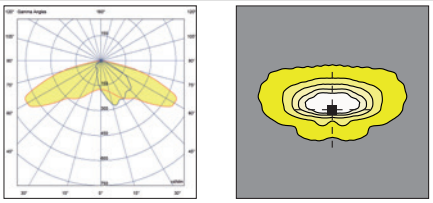
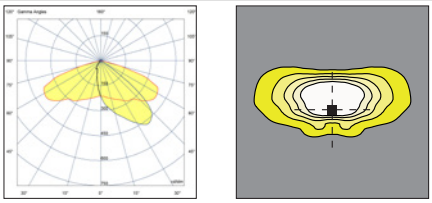
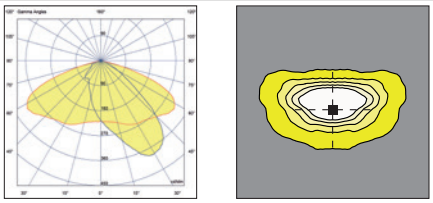
2S_003



2S_011



2S_012



Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
003	GL02		350	1447	1523	9	161	169	B0-U0-G0	B0-U0-G0
			525	2131	2243	13.5	158	166	B1-U0-G1	B1-U0-G1
			700	2787	2933	18.5	151	159	B1-U0-G1	B1-U0-G1
			1050	4084	4299	28	146	154	B1-U0-G1	B1-U0-G1
	GL04		350	2799	2946	17.5	160	168	B1-U0-G1	B1-U0-G1
			525	4114	4330	26.5	155	163	B1-U0-G1	B1-U0-G1
			700	5292	5570	34.5	153	161	B1-U0-G1	B1-U0-G1
			1050	7416	7806	53	140	147	B2-U0-G1	B2-U0-G2
011	GL02		350	1402	1476	9	156	164	B0-U0-G0	B0-U0-G0
			525	2065	2174	13.5	153	161	B1-U0-G0	B1-U0-G0
			700	2701	2843	18.5	146	154	B1-U0-G1	B1-U0-G1
			1050	3958	4167	28	141	149	B1-U0-G1	B1-U0-G1
	GL04		350	2712	2855	17.5	155	163	B1-U0-G1	B1-U0-G1
			525	3987	4197	26.5	150	158	B1-U0-G1	B1-U0-G1
			700	5129	5399	34.5	149	156	B1-U0-G1	B1-U0-G1
			1050	7188	7566	53	136	143	B2-U0-G1	B2-U0-G1
012	GL02		350	1447	1523	9	161	169	B1-U0-G1	B1-U0-G1
			525	2131	2243	13.5	158	166	B1-U0-G1	B1-U0-G1
			700	2787	2933	18.5	151	159	B1-U0-G1	B1-U0-G1
			1050	4084	4299	28	146	154	B1-U0-G1	B1-U0-G1
	GL04		350	2799	2946	17.5	160	168	B1-U0-G1	B1-U0-G1
			525	4114	4330	26.5	155	163	B1-U0-G1	B1-U0-G1
			700	5292	5570	34.5	153	161	B1-U0-G1	B1-U0-G1
			1050	7416	7806	53	140	147	B2-U0-G2	B2-U0-G2

Vesta T

Photometric Distribution

rev. 2026.02.01

Type II M

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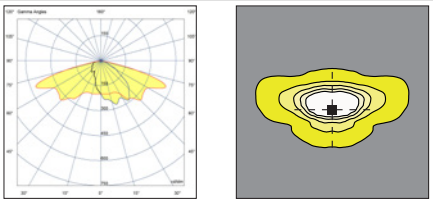
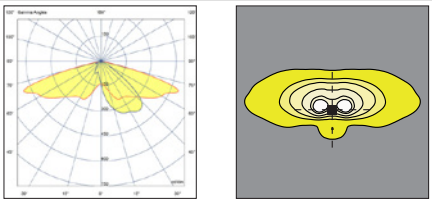
2M_006



2M_007



Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
006	GL02		350	1386	1459	9	154	162	B1-U0-G1	B1-U0-G1
			525	2041	2149	13.5	151	159	B1-U0-G1	B1-U0-G1
			700	2670	2810	18.5	144	152	B1-U0-G1	B1-U0-G1
			1050	3913	4119	28	140	147	B1-U0-G1	B1-U0-G1
	GL04		350	2681	2822	17.5	153	161	B1-U0-G1	B1-U0-G1
			525	3941	4149	26.5	149	157	B1-U0-G1	B1-U0-G1
			700	5070	5337	34.5	147	155	B1-U0-G1	B1-U0-G1
			1050	7105	7479	53	134	141	B2-U0-G2	B2-U0-G2
007	GL02		350	1386	1459	9	154	162	B0-U0-G0	B0-U0-G0
			525	2041	2149	13.5	151	159	B0-U0-G0	B0-U0-G0
			700	2670	2810	18.5	144	152	B1-U0-G1	B1-U0-G1
			1050	3913	4119	28	140	147	B1-U0-G1	B1-U0-G1
	GL04		350	2681	2822	17.5	153	161	B1-U0-G1	B1-U0-G1
			525	3941	4149	26.5	149	157	B1-U0-G1	B1-U0-G1
			700	5070	5337	34.5	147	155	B1-U0-G1	B1-U0-G1
			1050	7105	7479	53	134	141	B1-U0-G1	B1-U0-G1

Vesta T

Photometric Distribution

rev. 2026.02.01

Type III VS

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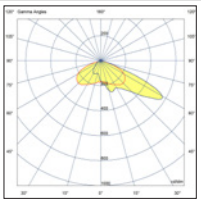
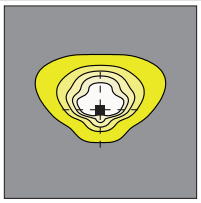
3VS_008





Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
008	GL02		350	1417	1492	9	157	166	B0-U0-G0	B0-U0-G0
			525	2087	2197	13.5	155	163	B1-U0-G0	B1-U0-G0
			700	2729	2873	18.5	148	155	B1-U0-G1	B1-U0-G1
			1050	4000	4210	28	143	150	B1-U0-G1	B1-U0-G1
	GL04		350	2741	2885	17.5	157	165	B1-U0-G1	B1-U0-G1
			525	4029	4241	26.5	152	160	B1-U0-G1	B1-U0-G1
			700	5183	5455	34.5	150	158	B1-U0-G1	B1-U0-G1
			1050	7263	7645	53	137	144	B1-U0-G2	B1-U0-G2

Vesta T

Photometric Distribution

rev. 2026.02.01

Type III S

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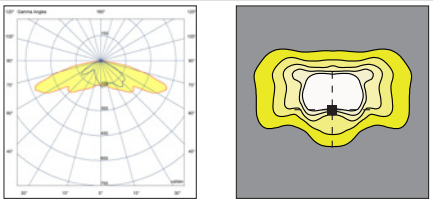
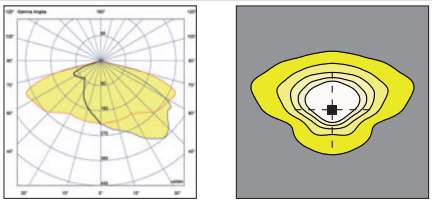
3S_005



3S_010



Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
005	GL02		350	1402	1476	9	156	164	B1-U0-G1	B1-U0-G1
			525	2065	2174	13.5	153	161	B1-U0-G1	B1-U0-G1
			700	2701	2843	18.5	146	154	B1-U0-G1	B1-U0-G1
			1050	3958	4167	28	141	149	B2-U0-G2	B2-U0-G2
	GL04		350	2712	2855	17.5	155	163	B1-U0-G1	B1-U0-G1
			525	3987	4197	26.5	150	158	B2-U0-G2	B2-U0-G2
			700	5129	5399	34.5	149	156	B2-U0-G2	B2-U0-G2
			1050	7188	7566	53	136	143	B3-U0-G3	B3-U0-G3
010	GL02		350	1402	1476	9	156	164	B0-U0-G0	B1-U0-G1
			525	2065	2174	13.5	153	161	B1-U0-G1	B1-U0-G1
			700	2701	2843	18.5	146	154	B1-U0-G1	B1-U0-G1
			1050	3958	4167	28	141	149	B1-U0-G1	B1-U0-G1
	GL04		350	2712	2855	17.5	155	163	B1-U0-G1	B1-U0-G1
			525	3987	4197	26.5	150	158	B1-U0-G1	B1-U0-G1
			700	5129	5399	34.5	149	156	B1-U0-G1	B1-U0-G1
			1050	7188	7566	53	136	143	B2-U0-G2	B2-U0-G2

Vesta T

Photometric Distribution

rev. 2026.02.01

Type III M

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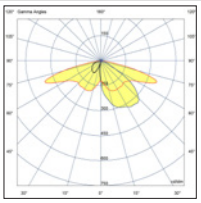
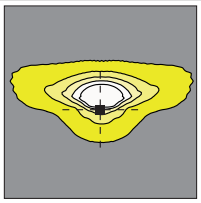
3M_004





Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
004	GL02		350	1432	1507	9	159	167	B0-U0-G1	B0-U0-G1
			525	2109	2220	13.5	156	164	B1-U0-G1	B1-U0-G1
			700	2757	2903	18.5	149	157	B1-U0-G1	B1-U0-G1
			1050	4041	4254	28	144	152	B1-U0-G1	B1-U0-G1
	GL04		350	2769	2915	17.5	158	167	B1-U0-G1	B1-U0-G1
			525	4071	4285	26.5	154	162	B1-U0-G1	B1-U0-G1
			700	5236	5512	34.5	152	160	B1-U0-G1	B1-U0-G1
			1050	7339	7725	53	138	146	B1-U0-G2	B1-U0-G2

Vesta T

Photometric Distribution

rev. 2026.02.01

Type IV S

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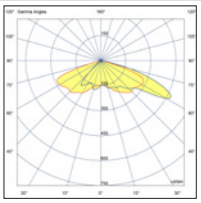
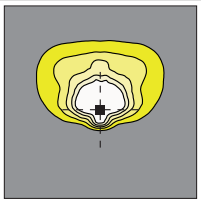
Feature availability may vary based on product configuration. Upon request, additional color temperature options beyond the standard 3000K and 4000K listed in the table, as well as alternative CRI selections, are available.

4S_009





Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
009	GL02		350	1417	1492	9	157	166	B0-U0-G1	B0-U0-G1
			525	2087	2197	13.5	155	163	B1-U0-G1	B1-U0-G1
			700	2729	2873	18.5	148	155	B1-U0-G1	B1-U0-G1
			1050	4000	4210	28	143	150	B1-U0-G1	B1-U0-G1
	GL04		350	2741	2885	17.5	157	165	B1-U0-G1	B1-U0-G1
			525	4029	4241	26.5	152	160	B1-U0-G1	B1-U0-G1
			700	5183	5455	34.5	150	158	B1-U0-G2	B1-U0-G2
			1050	7263	7645	53	137	144	B2-U0-G2	B2-U0-G2

Vesta T

Photometric Distribution

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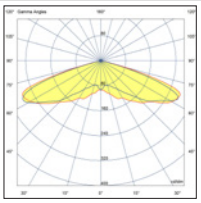
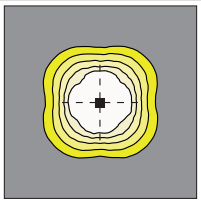
Type V S

The measured data for the lighting fixture is based on the standard configuration of GMR ENLIGHTS products (CRI 70) at an ambient temperature of 77°F (25°C). Other currents are available in 50mA steps, ranging from 200mA up to 1050mA, where applicable.

Feature availability may vary based on product configuration. Upon request, additional color temperature options beyond the standard 3000K and 4000K listed in the table, as well as alternative CRI selections, are available.

5S_016





Optic	LED Module		Driver Current [mA]	Lumen Output [lm]		Wattage [W]	Efficacy [lm/W]		B.U.G. Rating	
				3000 K	4000 K		3000 K	4000 K	3000 K	4000 K
016	GL02		350	1417	1492	9	157	166	B1-U0-G0	B1-U0-G0
			525	2087	2197	13.5	155	163	B2-U0-G0	B2-U0-G0
			700	2729	2873	18.5	148	155	B2-U0-G1	B2-U0-G1
			1050	4000	4210	28	143	150	B2-U0-G1	B3-U0-G1
	GL04		350	2741	2885	17.5	157	165	B2-U0-G1	B2-U0-G1
			525	4029	4241	26.5	152	160	B2-U0-G1	B3-U0-G1
			700	5183	5455	34.5	150	158	B3-U0-G1	B3-U0-G1
			1050	7263	7645	53	137	144	B3-U0-G1	B3-U0-G2

Vesta T

Ordering guide

GMR ENLIGHTS

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Example: L-VST_GL04_730_04S_E0350_1FS_S

	Family	LED Module	CRI	Color Temoperature CCT	Optic	Options	Driver Current*	Protection Class	Mounting Type	Electrical Disconnect	Finish
L	**VSA** VESTA A	**GL02** Glassed 8 LED	**7** CRI 70	**22** 2200K	**01S** TYPE I	**A** ON/OFF - No communication interface	**0350** 350mA	**1** CL1	**A** Suspended	**S** NO Disconnector	**S** Standard
	VSB VESTA B	**GL04** Glassed 16 LED	**8** CRI 80	**27** 2700K	**01M** TYPE I	**M** Intelligent dimming with integrated VM Virtual Midnight on the driver	**0525** 525mA	**3** CL1 + SPD	**B** Lateral	**Z** Disconnector	**C** Custom
	VSC VESTA C	**GL06** Glassed 24 LED		**30** 3000K	**02S** TYPE II	**B** Dimming through 1-10V interface	**0700** 700mA		**C** Wyre system		
	VST VESTA T	**GL08** Glassed 32 LED		**40** 4000K	**02M** TYPE II	**N** Provision with NEMA Socket ON/OFF (Power Interruption)	**1050** 1050mA		**E** Pole-TOP Fixing Ø2.36''		
		GL10 Glassed 40 LED			**2VS** TYPE III	**E** Provision with NEMA Socket with 1/10V (1-10V Dimming)			**F** Pole-TOP Fixing Ø3''		
					3M TYPE III	**H** Provision with NEMA Socket with 1/10V (1-10V Dimming) and VM Enabling					
					03S TYPE IV						
					3VS TYPE III						
					04S TYPE IV						
					05S TYPE V						

*Other currents are available in 50mA steps, ranging from 200mA up to 1050mA, where applicable.

Functions

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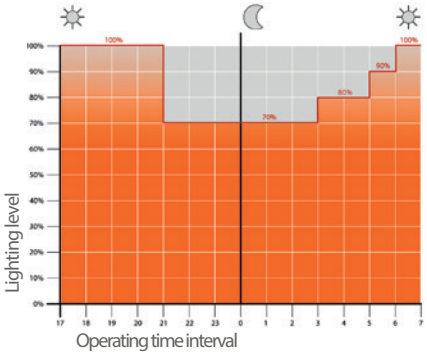
Standard functionality

CONSTANT CURRENT
During production, the fixture is pre-set with a fixed constant current selected from the standard settings listed in the tables on page 3. Upon request, it is also possible to configure a custom current, in 50mA steps, ranging from 200mA to 1050mA where applicable

VIRTUAL MIDNIGHT | AUTOMATIC DIMMING
The driver is programmed to automatically dim the light output according to the time. As required by regulations, the maximum output is set during initial hours and towards the end of the light fixture's operating time interval. During these hours there is statistically more traffic. The light output is then dimmed during the central hours of the operating time interval. This management is achievable through a self-learning process of the device, that establishes the centre point of the time interval. This moment is called "virtual midnight" and it is the point that the dimming profile refers to in order to know when to reduce the light output. We can manage up to 8hrs of programming that evolve around the virtual midnight and up to 5 steps of dimming. This way the light output will adjust automatically, adapting throughout the year to the duration of the nighttime, by referring to the pre-set parameters based on the centre point of the operating time interval.

Example of 4-step adjustment with virtual midnight



On request functionality

NEMA | Nema Socket (7 PIN)
The Nema Socket is a 7 PIN connector/socket with IP66 rating, that is fitted on the fixture to make it interfaceable with various ANSI C136 compliant devices and remote-control gear.
These devices can be installed during or after installation of the light fixtures. The NEMA socket can provide power interruption and is interfaceable with DALI buses and/or 1-10V dimming. It is compatible with point-to-point node connection, and twilight sensors ect.

PHOTOCONTROL SENSOR
The product can be equipped with a photocontrol sensor, which is installed directly on the luminaire. This sensor automatically controls the lighting based on ambient light levels, ensuring energy-efficient operation. The installation should consider the height and surroundings for optimal performance.

7 Pin Nema Socket 7 (A) and IP66 shorting cap (B)

A

B

Contacts

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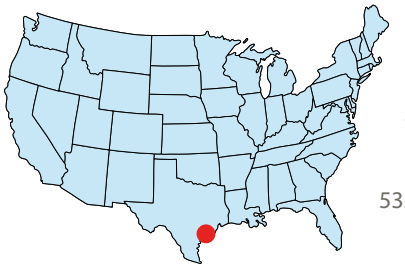

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