

TEMPERATURE PROFILE DATA

In the following Temperature Profile Data Charts, when a column is headed “Tested Lamp Envelope Surface Temperature in °C @ 40°C Maximum Ambient,” the data (in degrees Celsius) was obtained in a 40°C ambient under normal gravity conditions.

In the following Temperature Profile Data Charts, when a column is headed “Maximum Luminaire External Surface Temperature in °C,” the data (in degrees Celsius) was obtained under a dust blanket at 40°C ambient under normal gravity conditions.

In the following Temperature Profile Data Charts when a T code is used, this chart explains the temperature maximum (in degrees Celsius).

TEMPERATURE CODE

	IDENTIFICATION NUMBER	DEGREES C	IDENTIFICATION NUMBER	DEGREES C
MAXIMUM TEMPERATURE	T1	450	T3A	180
RANGE	T2	300	T3B	165
IDENTIFICATION NUMBER	T2A	280	T3C	160
	T2B	260	T4	135
	T2C	230	T4A	120
	T2D	215	T5	100
	T3	200	T6	85

POWR•GARD® H9 TEMPERATURE PROFILE DATA

OPTICAL CONFIGURATION



Data applies to Globe and Guard with or without Standard Dome or Angle Dome Reflector (Class I and II), Deep Dome (Class I only).

MOUNTINGS

Pendant	Angle Stanchion	Floodlight
Flexible Pendant		
Wall		
Ceiling		
Straight Stanchion		

CLASSIFICATIONS

Class I, Division 1	Class II, Division 1	Class I, Division 1	Class II, Division 1	Class I, Division 1
Groups C,D	Groups E,F,G	Groups C,D	Groups E,F,G	Groups C,D

+ Other OPTICAL CONFIGURATIONS listed

Lamp Wattage	Max Ambient °C	Temp Code	Temp Code	Temp Code	Temp Code	Temp Code
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HIGH PRESSURE SODIUM (HPS)

50	55	T5	T4	T5	T4	T4
70	55	T5	T4	T5	T4	T4
100	55	T5	T4	T5	T4	T4
150	55	T4A	T4	T4A	T4	T4
200	55	T3C	T3	T3C	N/A	T3C
250	55	T3C	T3	T3C	N/A	T3C
400	40	T3*	N/A	T3A*	N/A	T3A*

METAL HALIDE AND PULSE METAL HALIDE**

100	55	T4A	T4A	T4A	T4
250	55	T3C	N/A	T3C	T3B*
400	40	T3A	N/A	T3A	T3*

NOTE: *CAUTION: Operating temperatures exceed safe temperatures for some Group C materials. To prevent fire or explosion install only as intended.
**For PMH, cannot use with Deep Dome Reflector, contact factory for complete restrictions.

QUARTZ OPTION



Automatically switched quartz. Available only with lamp types and wattages shown below. Maximum ambient is 40°C. Limited to 150-watt quartz lamp. Cannot be used for Paint Spray area.

OPTICAL CONFIGURATION

Data applies to Globe and Guard with or without Standard Dome or Angle Dome Reflector (Class I and II), Deep Dome (Class I only).

MOUNTINGS

Pendant	Straight Stanchion
Flexible Pendant	Angle Stanchion
Wall	
Ceiling	
Straight Stanchion	

CLASSIFICATIONS

Class I, Division 1	Class II, Division 1
Groups C,D	Groups E,F,G

+ Other OPTICAL CONFIGURATIONS listed

Lamp Wattage	Max Ambient °C	Temp Code	Temp Code
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HIGH PRESSURE SODIUM (HPS)

50	40	T3C	T3C
70	40	T3C	T3C
100	40	T3C	T3C
150	40	T3C	T3C
200	N/A	N/A	N/A
250	N/A	N/A	N/A
400	N/A	N/A	N/A

METAL HALIDE

100	N/A	N/A	N/A
250	N/A	N/A	N/A
400	N/A	N/A	N/A

LIMITATIONS

H9 luminaires are UL Listed for Class I, Division 1, Group C (180°C max) and Group D (280°C max) luminaire surface temperature. H9 luminaires are not listed for Groups A and B.

WARNING—Do not use GE Multi-Vapor® II MXR175 lamps in explosion proof or hazardous duty fixtures because they have higher bulb temperatures than standard 175-watt metal halide lamps and may exceed the temperature rating of these fixture types.

H8 HAZARDOUS LOCATION INCANDESCENT LUMINAIRE

YOU MUST USE TEMPERATURE PROFILE DATA TO PROPERLY SELECT LUMINAIRE

UL844



TEMPERATURE PROFILE (25°C AMBIENT)
DATA APPLIES TO ALL MOUNTINGS

Classification	Group	Maximum Wattage			Temp Code
		No Reflector	Standard Reflector	Angle Reflector	
Class I, Division 1	C, D	300	300	300	T3C
Class I, Division 1, 2	D (Paint Spray)	75	N/A	N/A	T4A
Class II, Division 1	E, F	200	150	200	T3
Class II, Division 1	E, F, G	100	N/A	150	T3C
Class II, Division 2	G	100	N/A	150	T3C

NOTE: N/A=Not Applicable

FILTR•GARD™ H2 AND H2U TEMPERATURE PROFILE DATA

OPTICAL CONFIGURATION							
Large Globe and Guard (Type FG) (with or without Standard Dome or Angle Dome Reflector) 250 Watts Maximum							
MOUNTINGS							
All Mounting Arrangements		Usable with all H2 Mounting Arrangements except NOT FOR ANGLE STANCHION mounting unless following conditions are met: For Class II and Class III, Divisions 1 and 2, angle stanchion can be used with globes in combination with 50-, 70- and 100-watt High Pressure Sodium light source only. Temperature code is T3C except with deep dome (see data) with small or large globe. No other High Intensity Discharge (HID) light source can be used with angle stanchion and globe for this classification.					
CLASSIFICATIONS							
Class I, Division 2				Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; and Class III, Divisions 1, 2			
Groups A, B, C, D				Groups E, F		Group G	
Lamp Wattage	Max Ambient 40°C Temp Code	Max * Ambient 55°C Temp Code	Max * Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)							
50	T3A	T3	T3	160	T3C	160	T3C
70	T3A	T3	T3	160	T3C	160	T3C
100	T2D	T2C	T2C	160	T3C	160	T3C
150	T2A	T2	T2	200	T3	N/A	N/A
250	T1	N/A	N/A	N/A	N/A	N/A	N/A
METAL HALIDE & PULSE METAL HALIDE							
100	T2A	N/A	N/A	200	T3	N/A	N/A
175	T2A	N/A	N/A	200	T3	N/A	N/A
250	T1	N/A	N/A	N/A	N/A	N/A	N/A
400	N/A	N/A	N/A	N/A	N/A	N/A	N/A



+ Other OPTICAL CONFIGURATIONS listed

OPTICAL CONFIGURATION			
Large Globe and Guard (Type FG) (with Deep Dome Reflector) 250 Watts Maximum			
MOUNTINGS			
All Mounting Arrangements			
CLASSIFICATIONS			
Class I, Division 2		Class II, Division 1	
Groups A, B, C, D		Groups E, F	
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)			
50	T3C	200	T3
70	T3	200	T3
100	T2B	200	T3
150	T2B	200	T3
250	T1	N/A	N/A
METAL HALIDE & PULSE METAL HALIDE			
100	T2	N/A	N/A
175	T2	N/A	N/A
250	T1	N/A	N/A
400	N/A	N/A	N/A



+ Other OPTICAL CONFIGURATIONS listed

OPTICAL CONFIGURATION							
Small Globe and Guard (Type GG) (with or without Standard Dome or Angle Dome Reflector) 175 Watts Maximum							
MOUNTINGS							
All Mounting Arrangements		Usable with all H2 Mounting Arrangements except NOT FOR ANGLE STANCHION mounting unless following conditions are met: For Class II and Class III, Divisions 1 and 2, angle stanchion can be used with globes in combination with 50-, 70- and 100-watt High Pressure Sodium light source only. Temperature code is T3C except with deep dome (see data) with small or large globe. No other High Intensity Discharge (HID) light source can be used with angle stanchion and globe for this classification.					
CLASSIFICATIONS							
Class I, Division 2				Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; and Class III, Divisions 1, 2			
Groups A, B, C, D				Groups E, F		Group G	
Lamp Wattage	Max Ambient 40°C Temp Code	Max * Ambient 55°C Temp Code	Max * Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)							
50	T3A	T3	T3	160	T3C	160	T3C
70	T3A	T3	T3	160	T3C	160	T3C
100	T2B	T2C	T2C	160	T3C	160	T3C
150	T2A	T2	T2	200	T3	N/A	N/A
250	N/A	N/A	N/A	N/A	N/A	N/A	N/A
METAL HALIDE & PULSE METAL HALIDE							
100	T2	N/A	N/A	N/A	N/A	N/A	N/A
175	T2	N/A	N/A	N/A	N/A	N/A	N/A
250	N/A	N/A	N/A	N/A	N/A	N/A	N/A
400	N/A	N/A	N/A	N/A	N/A	N/A	N/A



+ Other OPTICAL CONFIGURATIONS listed

OPTICAL CONFIGURATION			
Small Globe and Guard (Type GG) (with Deep Dome Reflector) 250 Watts Maximum			
MOUNTINGS			
All Mounting Arrangements			
CLASSIFICATIONS			
Class I, Division 2		Class II, Division 1	
Groups A, B, C, D		Groups E, F	
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)			
50	T3C	200	T3
70	T3	200	T3
100	T2B	200	T3
150	T2B	200	T3
250	N/A	N/A	N/A
METAL HALIDE & PULSE METAL HALIDE			
100	T2	N/A	N/A
175	T2	N/A	N/A
250	T1	N/A	N/A
400	N/A	N/A	N/A



+ Other OPTICAL CONFIGURATIONS listed

* Standard max Ambient Temp is 40°C — for 55°C or 65°C, contact factory.

FILTR•GARD™ H2 AND H2U TEMPERATURE PROFILE DATA – Continued

OPTICAL CONFIGURATION					
8-in. (203mm) Glass Refractor and Guard (Type V5G and V2G) 175W max					
MOUNTINGS					
All Mounting Arrangements					
CLASSIFICATIONS					
Class I, Division 2			Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; & Class III, Divisions 1, 2		
Groups A, B, C, D			Groups E, F, G		
Lamp Wattage	Max Ambient 40°C Temp Code	Max * Ambient 55°C Temp Code	Max * Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
50	T3B	T3A	T3	160	T3C
70	T3B	T3A	T3	160	T3C
100	T3	T2D	T2D	160	T3C
150	T2B	T2A	T2A	160	T3C
250	N/A	N/A	N/A	N/A	N/A
HIGH PRESSURE SODIUM (HPS)					
50	T3B	T3A	T3	160	T3C
70	T3B	T3A	T3	160	T3C
100	T3	T2D	T2D	160	T3C
150	T2B	T2A	T2A	160	T3C
250	N/A	N/A	N/A	N/A	N/A
METAL HALIDE & PULSE METAL HALIDE					
100	T2B	N/A	N/A	160	T3C
175	T2B	N/A	N/A	160	T3C
250	N/A	N/A	N/A	N/A	N/A
400	N/A	N/A	N/A	N/A	N/A


OPTICAL CONFIGURATION					
12-in. (305mm) Glass Refractor and Guard (Type R5G and R2G) 400W max					
MOUNTINGS					
All Mounting Arrangements					
CLASSIFICATIONS					
Class I, Division 2			Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; & Class III, Divisions 1, 2		
Groups A, B, C, D			Groups E, F, G		
Lamp Wattage	Max Ambient 40°C Temp Code	Max * Ambient 55°C Temp Code	Max * Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
50	T3B	T3A	T3	160	T3C
70	T3B	T3A	T3	160	T3C
100	T3	T2D	T2D	160	T3C
150	T2B	T2A	T2A	160	T3C
250	T1	N/A	N/A	160	T3C
400	T1	N/A	N/A	160	T3C
HIGH PRESSURE SODIUM (HPS)					
50	T3B	T3A	T3	160	T3C
70	T3B	T3A	T3	160	T3C
100	T3	T2D	T2D	160	T3C
150	T2B	T2A	T2A	160	T3C
250	T1	N/A	N/A	160	T3C
400	T1	N/A	N/A	160	T3C
METAL HALIDE & PULSE METAL HALIDE					
100	T2B	N/A	N/A	160	T3C
175	T2B	N/A	N/A	160	T3C
250	T2A	N/A	N/A	160	T3C
400	T2A	N/A	N/A	160	T3C

OPTICAL CONFIGURATION					
ALGLAS® finished Enclosed Reflector and Guard (Type EG) 400 Watt Max					
MOUNTINGS					
All Mounting Arrangements					
CLASSIFICATIONS					
Class I, Division 2			Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; & Class III, Divisions 1, 2		
Groups A, B, C, D			Groups E, F, G		
Lamp Wattage	Max Ambient 40°C Temp Code	Max * Ambient 55°C Temp Code	Max * Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code
50	T3B	T3A	T3	160	T3C
70	T3B	T3A	T3	160	T3C
100	T3	T2D	T2D	160	T3C
150	T2B	T2A	T2A	160	T3C
250	T1	N/A	N/A	160	T3C
400	T1	N/A	N/A	160	T3C
HIGH PRESSURE SODIUM (HPS)					
50	T3B	T3A	T3	160	T3C
70	T3B	T3A	T3	160	T3C
100	T3	T2D	T2D	160	T3C
150	T2B	T2A	T2A	160	T3C
250	T1	N/A	N/A	160	T3C
400	T1	N/A	N/A	160	T3C
METAL HALIDE & PULSE METAL HALIDE					
100	T2B	N/A	N/A	160	T3C
175	T2B	N/A	N/A	160	T3C
250	T2A	N/A	N/A	160	T3C
400	T2	N/A	N/A	160	T3C

* Standard max Ambient Temp is 40°C – for 55°C or 65°C, contact factory.

N/A = Not Applicable

FILTR•GARD™ H2 AND H2U TEMPERATURE PROFILE DATA — Continued

OPTICAL CONFIGURATIONS		OPTICAL CONFIGURATIONS	
	Acrylic or Polycarbonate 12-inch (305mm) Refractor Type V (A5G, L5G) and Type II (A2G, L2G)	Acrylic or Polycarbonate 12-inch (305mm) Refractor Type V (A5G, L5G) and Type II (A2G, L2G)	
	MOUNTINGS	MOUNTINGS	
	All Mounting Arrangements	All Mounting Arrangements	
	CLASSIFICATIONS	CLASSIFICATIONS	
	Class I, Division 2, Groups A, B, C, D	Class II, Division 2, Group G	
	GROUPS A, B, C, D	GROUP G	
Lamp Wattage	Max Amb 40°C Temp Code	Max Luminaire External Surface Temp °C	Max Amb 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)		HIGH PRESSURE SODIUM (HPS)	
50	T2C	120	T4A
70	T2C	120	T4A
100	T2C	120	T4A
150	T2C	N/A	N/A

OPTICAL CONFIGURATIONS
Acrylic or Polycarbonate 12-inch (305mm) Refractor Type V (A5G, L5G) and Type II (A2G, L2G)
MOUNTINGS
All Mounting Arrangements
CLASSIFICATIONS
Non-Hazardous Areas— UL1598 Suitable for Wet Locations
PARAMETERS FOR USE
In non-classified areas these refractors may be used with high intensity discharge (HID) lamps up to 150 watts maximum.

WARNING—Do not use GE Multi-Vapor® II MXR175 lamps in explosion proof or hazardous duty fixtures because they have higher bulb temperatures than standard 175-watt metal halide lamps and may exceed the temperature rating of these fixture types.


LIMITATIONS

Under the appropriate conditions, H2 and H2U luminaires may be used in a Class I, Division 2 location as follows:

H2 and H2U Filtr•Gard® luminaires are suitable for use when, under normal conditions, the maximum lamp temperature does not exceed the ignition temperature of

the gas or vapor present. H2 and H2U luminaires are UL Listed for Class I, Division 2 and comply with NEC Article 501-9(b)(2) as “tested and found incapable of igniting the gas or vapor if the ignition temperature is not exceeded”.

OPTION—AUTOMATICALLY SWITCHED QUARTZ*

OPTICAL CONFIGURATIONS		OPTICAL CONFIGURATIONS	
	8-inch (203mm) glass refractor (V5G and V2G)	12-inch (305mm) glass refractor and guard (R5G and R2G)	
	MOUNTINGS	MOUNTINGS	
	All mountings except low profile	All mountings except low profile	
	CLASSIFICATIONS	CLASSIFICATIONS	
	Class II, Division 1, Groups E, F, G Class II, Division 2, Group G Class III	Class II, Division 1, Groups E, F, G Class II, Division 2, Group G Class III	
	GROUPS E, F, G	GROUPS E, F, G	
Lamp Wattage	Max Amb °C	Maximum Luminaire External Surface Temperature in °C	Temp Code
HIGH PRESSURE SODIUM (HPS)		HIGH PRESSURE SODIUM (HPS)	
50	40	160	T3C
70	40	160	T3C
100	40	160	T3C
150	N/A	N/A	N/A
250	N/A	N/A	N/A
400	N/A	N/A	N/A
METAL HALIDE & PULSE METAL HALIDE		METAL HALIDE & PULSE METAL HALIDE	
175	N/A	N/A	N/A
250	N/A	N/A	N/A
400	N/A	N/A	N/A

CLASSIFICATIONS
Non-Hazardous Areas—UL1598 Listed Suitable for Wet Locations
OPTICAL CONFIGURATIONS
 Small Globe with Guard H2000-GG Large Globe with Guard H2000-FG
 Small Refractor with Guard H2000-V5G, H2000-V2G Large Refractor with Guard H2000-R5G, H2000-R2G
 Industrial Reflector with Guard H2000-EG
MOUNTINGS
All mountings except low profile
PARAMETERS FOR USE


1. Small Globe with Guard H2000-GG can be used up to 175 watts HID
2. Large Globe with Guard H2000-FG can be used up to 250 watts HID
3. Small Refractors (8-inch)(203mm) with Guard H2000-V5G and H2000-V2G can be used up to 175 watts HID
4. Large Refractor (12-inch)(305mm) with Guard H2000-R5G and H2000-R2G, and Industrial Reflector with Guard H2000-EG can be used up to 400 watts HID


*LIMITATIONS—AUTOMATICALLY SWITCHED QUARTZ

1. 40°C Maximum Ambient
2. Cannot use low profile mounting
3. 150 watt maximum quartz with HID wattage 50–250
4. 250 watt maximum quartz with HID wattage 400
5. With automatically switched quartz, some ballast types are not available depending on voltages, wattages and lamp type. We will use the ballast type available. If a certain type of ballast is requested by the customer, check the factory as we may not have that type available for automatically switched quartz.

N/A = Not Applicable

MINI•GARD™ TEMPERATURE PROFILE DATA

OPTICAL CONFIGURATION									
Small Globe and Guard (Type GG) (with or without Standard Dome, Angle Dome or Deep Dome Reflector)									
 <p>+ Other OPTICAL CONFIGURATIONS listed</p>	MOUNTINGS								
	All Mounting Arrangements								
	CLASSIFICATIONS								
Class I, Division 2 (Tested Lamp Envelope Surface Temperature)			Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; and Class III				SIMULTANEOUS PRESENCE		
Groups A, B, C, D			Groups E, F		Group G		Class I, Division 2 (Tested Lamp Envelope Surface Temperature)		Class II, Division 1 or Class II, Division 2
Lamp Wattage	Max Ambient 40°C Temp Code		Max Ambient 55°C Temp Code	Max Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code	Max Ambient 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)									
50	T2C	T2C	T2C	165	T3B	165	T3B	T2	Groups E,F,G Groups E,F,G Groups E,F,G Groups E,F
70	T2C	T2C	T2C	165	T3B	165	T3B	T2	
100	T2A	T2A	T2A	165	T3B	165	T3B	T2	
150	T1	T1	N/A	200	T3	N/A	N/A	T1	
METAL HALIDE									
70	T2B	T2B	T2B	160	T3C	160	T3C	T2A	Groups E,F,G Groups E,F,G
100	T2B	T2B	N/A	160	T3C	160	T3C	T2A	

OPTICAL CONFIGURATION									
8-in. (203mm) Glass Refractor and Guard (Type V5G and V2G)									
	MOUNTINGS								
	All Mounting Arrangements								
	CLASSIFICATIONS								
Class I, Division 2 (Tested Lamp Envelope Surface Temperature)			Class II, Division 1, Groups E, F, G; Class II, Division 2, Group G; & Class III, Divisions 1, 2				SIMULTANEOUS PRESENCE		
Groups A, B, C, D			Groups E, F, G		Groups A, B, C, D		Groups		
Lamp Wattage	Max Ambient 40°C Temp Code		Max Ambient 55°C Temp Code	Max Ambient 65°C Temp Code	Maximum Luminaire External Surface Temp (°C)	Max Ambient 40°C Temp Code	Max Ambient 40°C Temp Code	Max Ambient 40°C Temp Code	Max Ambient 40°C Temp Code
HIGH PRESSURE SODIUM (HPS)									
50	T2D	T2D	T2C	135	T4	T2	Groups E,F,G Groups E,F,G Groups E,F,G Groups E,F,G		
70	T2D	T2D	T2C	135	T4	T2			
100	T2A	T2A	T2A	135	T4	T2			
150	T2	T2	N/A	135	T4	T1			
METAL HALIDE									
70	T2C	T2C	T2C	160	T3C	T2A	Groups E,F,G Groups E,F,G		
100	T2B	T2B	N/A	160	T3C	T2A			

N/A = Not available

LIMITATIONS

Under the appropriate conditions, MGH and MGHU Mini•Gard luminaires may be used in a Class I, Division 2 location as follows:

Mini•Gard luminaires are suitable for use when, under normal conditions, the maximum lamp temperature


does not exceed the ignition temperature of the gas or vapor present. Mini•Gard luminaires are UL Listed for Class I, Division 2 and comply with NEC Article 501-9(b) (2) as "tested and found incapable of igniting the gas or vapor if the ignition temperature is not exceeded".

WARNING—Do not use GE Multi-Vapor® II MXR175 lamps in explosion proof or hazardous duty fixtures because they have higher bulb temperatures than standard 175-watt metal halide lamps and may exceed the temperature rating of these fixture types.

MINI•GARD TEMPERATURE PROFILE DATA — Continued

OPTION—AUTOMATICALLY SWITCHED QUARTZ*

Available for Class II, Division 1 and 2 and Class III Only




OPTICAL CONFIGURATIONS			
8-inch (203mm) glass refractor (V5G and V2G)			
MOUNTINGS			
All mountings			
CLASSIFICATIONS			
Class II, Division 1, Groups E, F, G Class II, Division 2, Group G Class III			
GROUPS E, F, G			
Lamp Wattage	Max Amb °C	Maximum Luminaire External Surface Temperature in °C	Temp Code
HIGH PRESSURE SODIUM (HPS)			
50	40	160	T3C
70	40	160	T3C
100	40	160	T3C
150	40	160	T3C

* LIMITATIONS—AUTOMATICALLY SWITCHED QUARTZ

- 40°C Maximum Ambient
- With automatically switched quartz, some ballast types are not available depending on voltages, wattages and lamp type. We will use the ballast type available. If a certain type of ballast is requested by the customer, check the factory as we may not have that type available for automatically switched quartz. (Use one 100 watt single-ended DC [Double Contact] bayonet base lamp.)

MINI•GARD FLUORESCENT TEMPERATURE PROFILE DATA



OPTICAL CONFIGURATIONS				
Large globe and guard (type FG) with or without standard dome, angle dome, or deep dome.				
MOUNTINGS				
All mounting arrangements				
CLASSIFICATIONS			SIMULTANEOUS PRESENCE	
Class I, Division 2, Groups A,B,C,D (Tested Lamp Envelope Surface Temp)			Class II, Divisions 1 and 2, Groups E, F, G	
Class I, Division 2, Groups A,B,C,D (Tested Lamp Envelope Surface Temp)			Class II, Divisions 1 and 2, Groups E, F, G	
GROUPS A,B,C,D		GROUPS E,F,G		
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Luminaire External Surface Temperature (°C)	Ambient 40°C Temperature Code	Maximum Maximum Ambient 40°C Temperature Code
FLUORESCENT				
13	T2D	85	T6	T2D
26	T2D	85	T6	T2D
52	T2D	85	T6	T2D

TEMPERATURE CODE

	IDENTIFICATION NUMBER	DEGREES C	IDENTIFICATION NUMBER	DEGREES C
MAXIMUM TEMPERATURE RANGE IDENTIFICATION NUMBER	T1	450	T3A	180
	T2	300	T3B	165
	T2A	280	T3C	160
	T2B	260	T4	135
	T2C	230	T4A	120
	T2D	215	T5	100
	T3	200	T6	85

PERMA•GARD, POWERFLOOD AND FOOD-PRO TEMPERATURE PROFILE DATA

PERMA•GARD

OPTICAL CONFIGURATION		
Low Bay Refractor, 15-inch (381mm) (LB5)		
MOUNTINGS		
Rigid Conduit, Vertical Suspension		
CLASSIFICATIONS		
Class I, Division 2		
GROUPS A,B,C,D		
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Ambient 55°C Temperature Code
50	T2C	N/A
70	T2C	N/A
100	T2C	N/A
150	T2C	N/A
HIGH PRESSURE SODIUM (HPS)		

PERMA•GARD

OPTICAL CONFIGURATION		
Angled Low Bay Refractor, 15-inch (381mm) (ALB5)		
MOUNTINGS		
Rigid Conduit, Vertical Suspension		
CLASSIFICATIONS		
Class I, Division 2		
GROUPS A,B,C,D		
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Ambient 55°C Temperature Code
50	T2C	N/A
70	T2C	N/A
100	T2C	N/A
150	T2C	N/A
HIGH PRESSURE SODIUM (HPS)		

PERMA•GARD

OPTICAL CONFIGURATION	
Globe with/without guard (GN, GG) and/or external reflector (DR5, AR5); Low Bay refractor, 15-inch (381mm) (LB5); Low Bay refractor, 22-inch (559mm) (TA2); Angled Low Bay refractor, 15-inch (381mm) (ALB5)	
MOUNTINGS	
Rigid Conduit, Vertical Suspension	
CLASSIFICATIONS	
UL1598 listed; UL1598, Suitable for Wet Locations; UL1598, Outdoor Salt Water	
Lamp Wattage	Maximum Ambient 55°C Temperature Code
50	150 Watts Maximum
70	150 Watts Maximum
100	150 Watts Maximum
150	150 Watts Maximum
HIGH PRESSURE SODIUM (HPS)	

PERMA•GARD

OPTICAL CONFIGURATION		
Small Globe (GN) NOTE: Temperature ratings the same for globe with/without guard and/or external reflector		
MOUNTINGS		
Rigid Conduit, Vertical Suspension		
CLASSIFICATIONS		
Class I, Division 2		
GROUPS A,B,C,D		
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Ambient 55°C Temperature Code
50	T3A	N/A
70	T3	N/A
100	T2C	N/A
150	T2A	N/A
HIGH PRESSURE SODIUM (HPS)		

PERMA•GARD

OPTICAL CONFIGURATION		
Low Bay Refractor, 22-inch (559mm) (TA2)		
MOUNTINGS		
Rigid Conduit, Vertical Suspension		
CLASSIFICATIONS		
Class I, Division 2		
GROUPS A,B,C,D		
Lamp Wattage	Maximum Ambient 40°C Temperature Code	Maximum Ambient 55°C Temperature Code
50	T2C	N/A
70	T2C	N/A
100	T2C	N/A
150	T2C	N/A
HIGH PRESSURE SODIUM (HPS)		

P-154 POWERFLOOD FLOODLIGHT (For Hazardous Locations)

OPTICAL CONFIGURATION		
Optical assembly with heat and shock resistant tempered glass		
CLASSIFICATIONS		
Class I, Division 2		
Lamp Wattage	Ambient 25°C Lamp °C	Temp Code
70	276	T2A
100	276	T2A
150	276	T2A
200	329	T1
250	329	T1
400	450	T1
HIGH PRESSURE SODIUM (HPS)		

FOOD-PRO™ II

OPTICAL CONFIGURATION			
Enclosed Acrylic or Enclosed Polycarbonate			
MOUNTINGS			
All mountings			
CLASSIFICATIONS			
Class II, Division 2, Groups F, G Class III			
GROUPS F, G			
Lamp Wattage	Max Amb °C	Maximum Luminaire External Surface Temperature in °C	Temp Code
HIGH PRESSURE SODIUM (HPS)			
400	40	120	T4A
PULSE METAL HALIDE			
250	40	120	T4A
320	40	120	T4A
400	40	120	T4A