PRECISION PARAGON
EFFICIENCY, ECONOMY, SUSTAINABILITY.

www.P-2.com

(714) 386-5550 CA
(715) 381-2971 WI
(352) 692-5900 FL

GCR – Recessed Gas Canopy T5HO

Retail Lighting Fashions Constantly Evolve, Fuel Retail is No Different.

- Energy efficient, dark sky compliant, cost effective lighting solutions never go out of style.
- Replace MH400 and PS320 with 3-Lamp T5HO.
- How? We put the light where you need it.

Fuel Retailers Want

- High Color Rendering
- No Color Shift
- Excellent Uniformity
- 90%+ Lumen Maintenance
- Low Energy and Maintenance Costs

Applications

- C-Store Fuel Centers
- Big Box Retail Fuel Centers
- Truck Stops
- Any Outdoor Canopy

Don't Guess

- Thermal curves and photometric information are on file give you the RLO information required to properly model your system.
- Years of proven success in outdoor linear fluorescent applications.

Why P2? It's Simple, Our Experience.

- We've excelled at skillfully deploying the most energy efficient light sources and luminaire technology since 1992.
- In 2007, based on customer demand for a viable option to HID in retail fuel centers, we developed the industry's first recessed T5HO luminaire that is tailored to recess into standard interlocking steel canopy panels.

GCR – Energy Efficient Gas Canopy Luminaire

Application

GCR – 1x4 – 3L – T5HO – UL – MN – PSH – ST – EA – PPC – C4 – SHP – 24T

GCR	1x4	3L	T5HO	UL	MN	PSH	ST	EA	PPC	C4	SHP	24T
Model	Fixt Size	Lamp Qty	Lamp Type	Voltage	Ballast Factor	Ballast Starting	Ballast Grade	Reflector	Body Finish	Other	Other	Other

Fixture Series
GCR Recessed

Fixture Size
1X4 = 1x4 Nominal

Lamp Qty
2L = 2 Lamp
3L = 3 Lamp

Lamp Type
T5HO = Linear T5HO Lamps

Voltage
UH = Universal 347-480
UL = Universal 120-277

Ballast Factor (2)
MN = Nuetral Power (.97 - 1.04)

Ballast Starting
PS = Programmed Start
PSH = Program Start Hi-Lo

Ballast Grade
ST = Standard Grade

Reflector Material
EA = Enhanced Aluminum 93-94%
MM = Micro Matte 91-93%
WA = White Aluminum Reflector 90-91%

Body/Flange Finish
PPC = Post Production Powdercoat White
BB = Black
RAL = RALxxxx (RAL Specification)

Primary Wiring
C4 = 4' Cord, Liquid Tight Connector, Top Center
NKO= None, No KO, to be field drilled
CKO = Top Center KO for field install
EKO = End KO for field install

Other
24T = 24" Cable Tethers
SHP = Standard Hardware Pack

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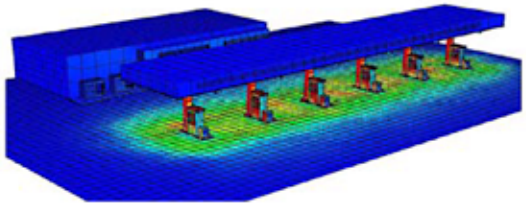
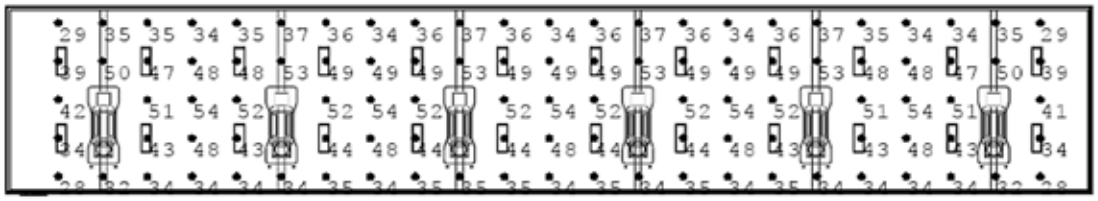
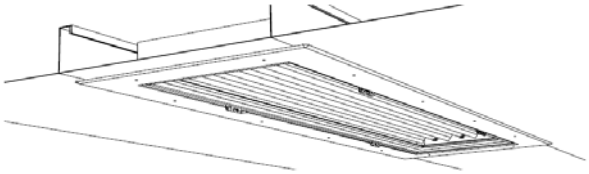
GCR – Recessed Gas Canopy T5HO

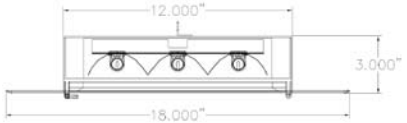
Actual one-for-one replacement
- 17’ mounting height, 6 pump islands, 24 fixtures.
- Average Maintained FC MH400 = 21.
- Average Initial FC 3LT5HO = 42
- Average Maintained FC 3LT5HO =38
- Excellent Uniformity







Engineered and UL Listed to recess into standard fuel center canopies.



Existing Systems

HID System	Lamp Qty & Type		Initial Lamp Lumens	Lumen Maintenance	EOL(1) Lumens per Lamps	Total Fixture Lumens	Ballast Factor	EOL(1) Lumens Per Fixt	S/P (2) Ratio	Net (3) EOL Lumens	Fixt Input Watts	Net (4) EOL LPW
MH250	1	Std MH250	20,500	58%	11,890	11,890	1.00	11,890	1.49	16,228	295	55
MH320PS	1	PS MH320	31,700	62%	19,654	19,654	1.00	19,654	1.49	26,825	368	73
MH400	1	Std MH400	38,000	58%	22,040	22,040	1.00	22,040	1.49	30,081	458	66
HPS400	1	Std HPS400	50,000	70%	35,000	35,000	1.00	35,000	0.62	24,106	464	52

Re-Lighting Option

T5HO System	Lamp Qty & Type		Initial Lamp Lumens	Lumen Maintenance	EOL(1) Lumens per Lamps	Total Fixture Lumens	Ballast Factor	EOL(1) Lumens Per Fixt	S/P (2) Ratio	Net (3) EOL Lumens	Fixt Input Watts	Net (4) EOL LPW
2L-T5HO	2	FP54T5HO	5,000	93%	4,650	9,300	1.00	9,300	1.62	13,549	117	116
3L-T5HO	3	FP54T5HO	5,000	93%	4,650	13,950	1.00	13,950	1.62	20,323	176	115

(1) EOL = End of Life (2) S/P Ratio = Scotopic to Photopic Lumens (3) Net EOL Lumens = EOL Lumens Per Fixture x (S/P).78 [.78 exponent]
(4) LPW = Efficacy, Lumens per Watt, based on (3) Net EOL Lumens = EOL Lumens Per Fixture x (S/P).78 [.78 exponent]

General Notes
- Lamp/ballast system values shown are a general reference intended to supply a quick comparison of several common lamp/ballast systems, the associated energy consumption, and net lumen output.
- Values shown are based on T5HO lamps operating at 35c ambient. Consult the GCR or GCS Relative Light Output curve from -30f to +150f ambient when designing your system.
- There are many operating variables that affect system output, in addition to rating variances from brand to brand.
- In addition to those shown there are a wide variety of systems to choose from, each with distinct features and cost points.
- Please consult the lamp/ballast manufacturer’s catalogs for the detailed information required to model your system.
- Lumen maintenance percentages shown are at EOL (End of Life).